

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\  
 Data File : VN058285.D  
 Acq On : 23 Sep 2019 12:34  
 Operator : JC/SP  
 Sample : VN0923WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0923WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 9/25/2019 12:47:37 AM

Quant Time: Sep 24 03:12:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091819W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 19 09:27:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.65  | 168  | 437036   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 760113   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 689095   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 323120   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.01   | 65  | 330983   | 54.38 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.76% |      |
| 35) Dibromofluoromethane  | 7.58   | 113 | 238173   | 51.54 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.08% |      |
| 50) Toluene-d8            | 10.09  | 98  | 923380   | 51.29 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.58% |      |
| 62) 4-Bromofluorobenzene  | 12.41  | 95  | 325888   | 48.73 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.46%  |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 64627   | 18.001  | ug/l | 97     |
| 3) Chloromethane              | 2.04 | 50  | 56480   | 19.785  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.17 | 62  | 61486   | 19.770  | ug/l | 99     |
| 5) Bromomethane               | 2.55 | 94  | 33544   | 21.360  | ug/l | 97     |
| 6) Chloroethane               | 2.69 | 64  | 41375   | 20.304  | ug/l | 93     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 94467   | 19.278  | ug/l | 95     |
| 8) Diethyl Ether              | 3.39 | 74  | 42529   | 18.941  | ug/l | 93     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 70134   | 19.850  | ug/l | 98     |
| 10) Methyl Iodide             | 3.93 | 142 | 54372   | 18.366  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.76 | 59  | 84561   | 116.786 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.72 | 96  | 54154   | 19.984  | ug/l | 98     |
| 13) Acrolein                  | 3.59 | 56  | 19297   | 179.834 | ug/l | 96     |
| 14) Allyl chloride            | 4.30 | 41  | 107691  | 18.627  | ug/l | 97     |
| 15) Acrylonitrile             | 4.97 | 53  | 219299  | 113.678 | ug/l | 99     |
| 16) Acetone                   | 3.80 | 43  | 191376  | 92.623  | ug/l | 97     |
| 17) Carbon Disulfide          | 4.04 | 76  | 67619   | 18.090  | ug/l | 99     |
| 18) Methyl Acetate            | 4.31 | 43  | 118482  | 21.792  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 5.02 | 73  | 277384  | 20.816  | ug/l | 99     |
| 20) Methylene Chloride        | 4.53 | 84  | 78272   | 21.511  | ug/l | 96     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 58100   | 19.641  | ug/l | 97     |
| 22) Diisopropyl ether         | 5.93 | 45  | 301172  | 20.508  | ug/l | 95     |
| 23) Vinyl Acetate             | 5.88 | 43  | 1082753 | 107.749 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 5.83 | 63  | 159224  | 20.314  | ug/l | 100    |
| 25) 2-Butanone                | 6.82 | 43  | 306496  | 108.882 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.81 | 77  | 118437  | 17.811  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.81 | 96  | 87565   | 19.758  | ug/l | 98     |
| 28) Bromochloromethane        | 7.18 | 49  | 83768   | 22.592  | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.19 | 42  | 188330  | 108.615 | ug/l | 100    |
| 30) Chloroform                | 7.36 | 83  | 171065  | 20.276  | ug/l | 100    |
| 31) Cyclohexane               | 7.64 | 56  | 105511  | 19.345  | ug/l | # 96   |
| 32) 1,1,1-Trichloroethane     | 7.56 | 97  | 132547  | 20.637  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 7.78 | 75  | 97564   | 17.799  | ug/l | 100    |
| 37) Ethyl Acetate             | 6.91 | 43  | 122889  | 21.603  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.76 | 117 | 102521  | 18.606  | ug/l | 96     |

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 Operator : JC/SP  
 Sample : VN0923WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0923WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 9/25/2019 12:47:37 AM

Quant Time: Sep 24 03:12:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091819W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 19 09:27:53 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.07  | 83   | 96473    | 18.248  | ug/l   | 99       |
| 40) Benzene                    | 8.03  | 78   | 318981   | 19.052  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.16  | 41   | 60200    | 21.535  | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.11  | 62   | 138758   | 19.751  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.15  | 43   | 207012   | 19.485  | ug/l   | 99       |
| 44) Trichloroethene            | 8.82  | 130  | 78968    | 19.274  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.11  | 63   | 100307   | 20.062  | ug/l   | 98       |
| 46) Dibromomethane             | 9.20  | 93   | 60707    | 19.970  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.40  | 83   | 127833   | 20.073  | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.19  | 41   | 98233    | 20.364  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.19  | 88   | 35367    | 446.565 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 663423   | 117.564 | ug/l   | 99       |
| 52) Toluene                    | 10.15 | 92   | 204550   | 19.494  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 123085   | 18.868  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.83  | 75   | 139625   | 19.386  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 97359    | 20.909  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 136272   | 20.283  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 162812   | 20.339  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 347483   | 108.583 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 475994   | 113.574 | ug/l   | 98       |
| 60) Dibromochloromethane       | 10.90 | 129  | 91223    | 20.364  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 86727    | 20.098  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 60256    | 17.938  | ug/l   | 95       |
| 65) Chlorobenzene              | 11.43 | 112  | 230938   | 19.053  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 89292    | 20.317  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 405181   | 19.509  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 289909   | 37.063  | ug/l   | 95       |
| 69) o-Xylene                   | 11.95 | 106  | 149139   | 19.390  | ug/l   | 98       |
| 70) Styrene                    | 11.97 | 104  | 256775   | 19.376  | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 57378    | 19.938  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.26 | 105  | 421739   | 20.852  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 184799   | 21.841  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 150285   | 22.189  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.56 | 75   | 120988m  | 20.922  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 99667    | 19.591  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.60 | 91   | 487891   | 21.228  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 292813   | 20.386  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.74 | 105  | 354873   | 20.749  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 32332    | 20.496  | ug/l   | 89       |
| 82) 4-Chlorotoluene            | 12.78 | 91   | 303211   | 20.082  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.00 | 119  | 316044   | 20.721  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.05 | 105  | 361253   | 21.225  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.18 | 105  | 418701   | 20.993  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.30 | 119  | 367949   | 20.752  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.29 | 146  | 187419   | 20.169  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.37 | 146  | 185726   | 19.578  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 328083   | 19.517  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.88 | 117  | 58007    | 20.426  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 190214   | 20.407  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.28 | 75   | 25954    | 21.285  | ug/l   | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\  
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Acq On : 23 Sep 2019 12:34  
Operator : JC/SP  
Sample : VN0923WBSD01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0923WBSD01

Manual Integrations  
APPROVED

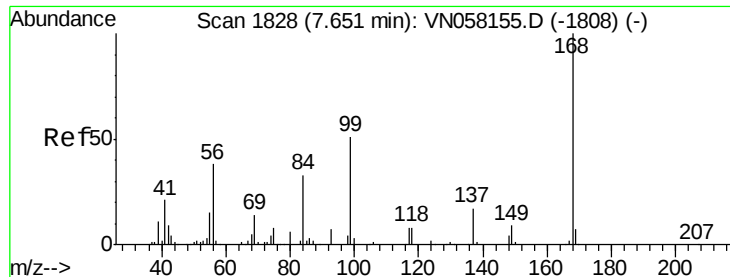
MMDadoda  
9/25/2019 12:47:37 AM

Quant Time: Sep 24 03:12:47 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091819W.M  
Quant Title : SW846 8260  
QLast Update : Thu Sep 19 09:27:53 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.92 | 180  | 110970   | 18.633 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.02 | 225  | 52117    | 18.106 | ug/l  | 97       |
| 95) Naphthalene            | 15.14 | 128  | 314708   | 20.390 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.30 | 180  | 104333   | 18.535 | ug/l  | 98       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA\_N

ClientSampleId :

VN0923WBSD01

Tot Ion:168 Resp: 437036

Ion Ratio Lower Upper

168 100

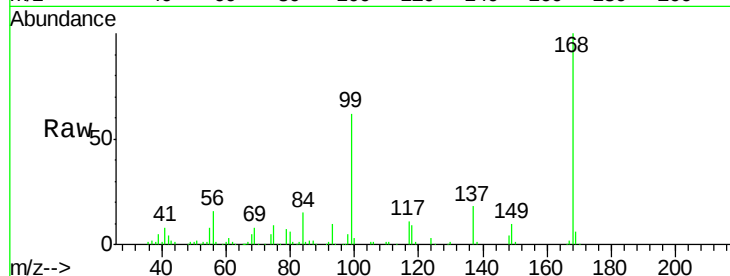
99 62.0 47.4 71.2

Manual Integrations

APPROVED

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9/25/2019 12:47:37 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

150000

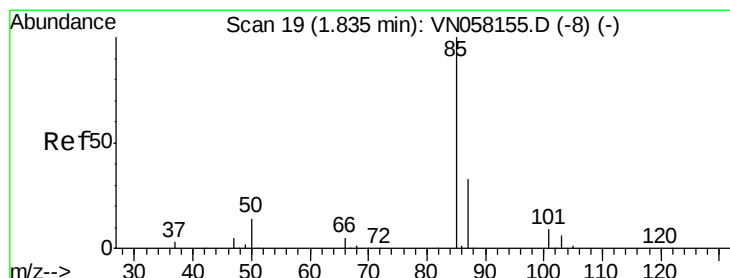
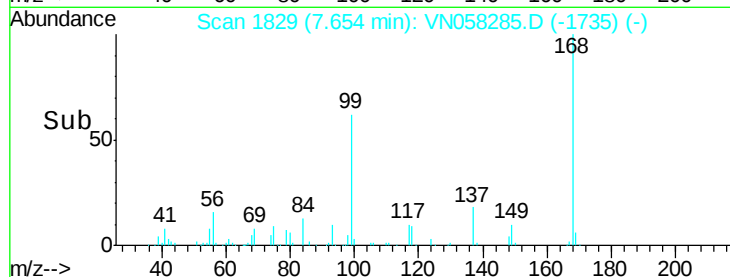
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.001 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058285.D

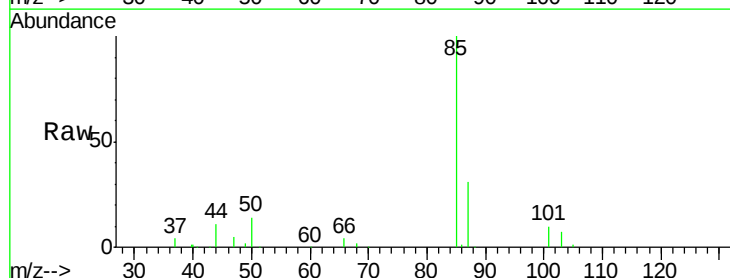
Acq: 23 Sep 2019 12:34

Tgt Ion: 85 Resp: 64627

Ion Ratio Lower Upper

85 100

87 30.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

50000

40000

30000

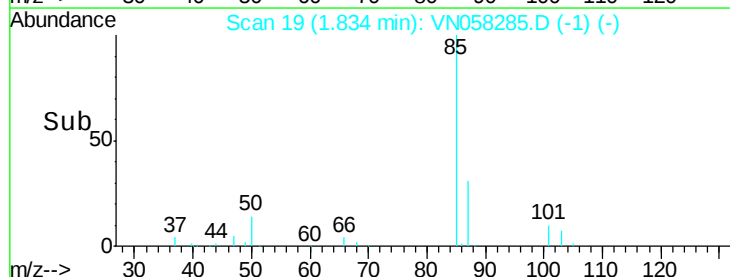
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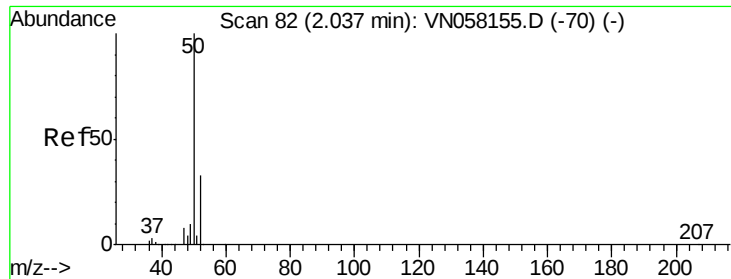
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0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 19.785 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA\_N

ClientSampleId :

VN0923WBSD01

Tot Ion: 50 Resp: 56480

Ion Ratio Lower Upper

50 100

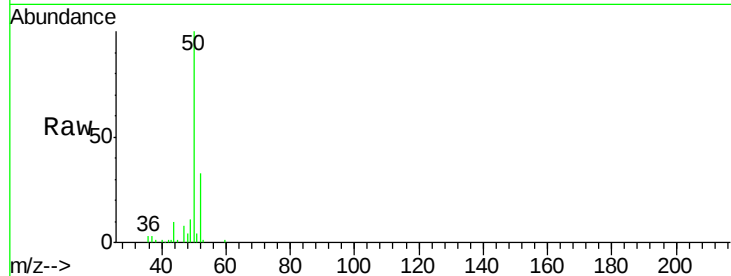
52 33.4 26.3 39.5

Manual Integrations

APPROVED

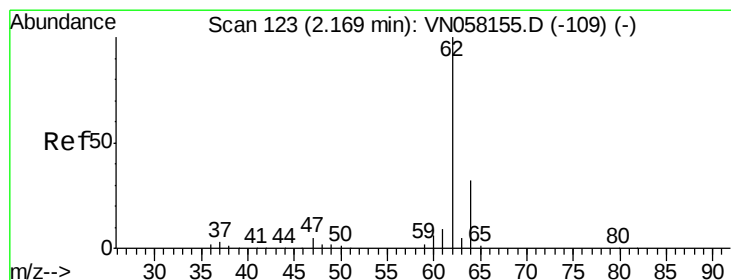
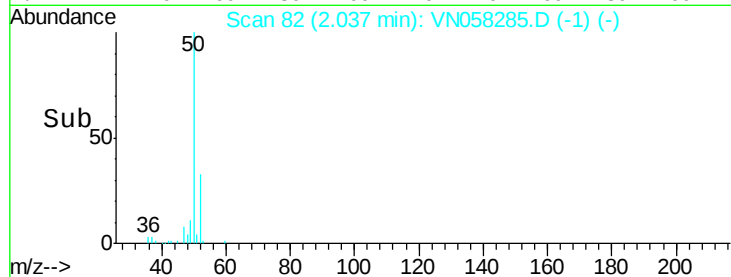
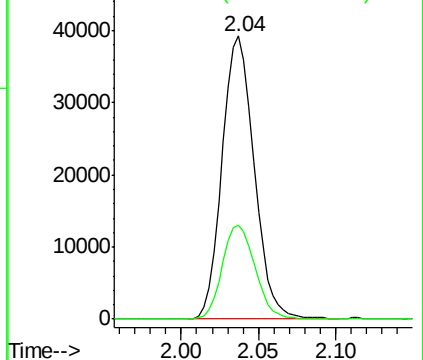
MMDadoda

9/25/2019 12:47:37 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.770 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058285.D

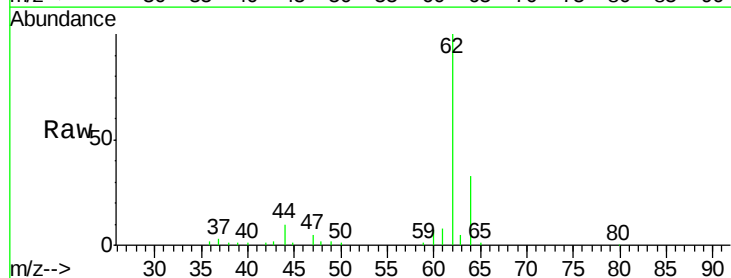
Acq: 23 Sep 2019 12:34

Tgt Ion: 62 Resp: 61486

Ion Ratio Lower Upper

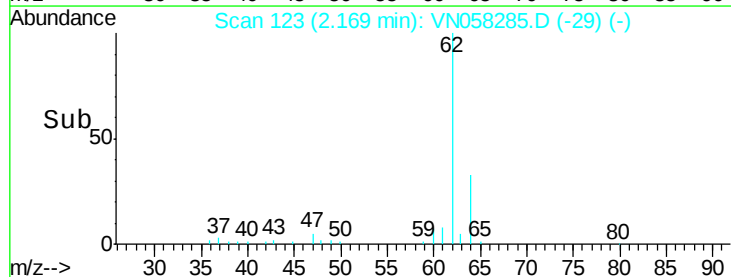
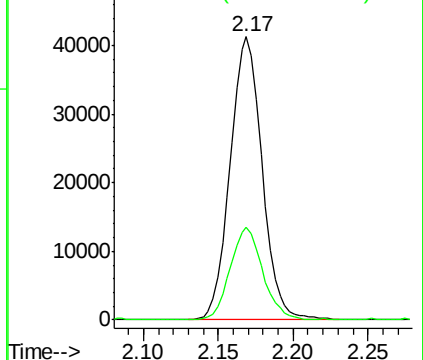
62 100

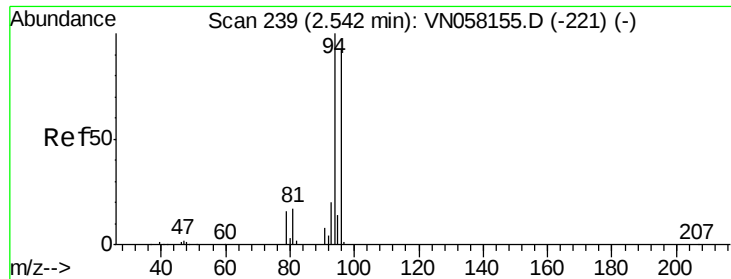
64 32.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 21.360 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA\_N

ClientSampleId :

VN0923WBSD01

Tot Ion: 94 Resp: 33544

Ion Ratio Lower Upper

94 100

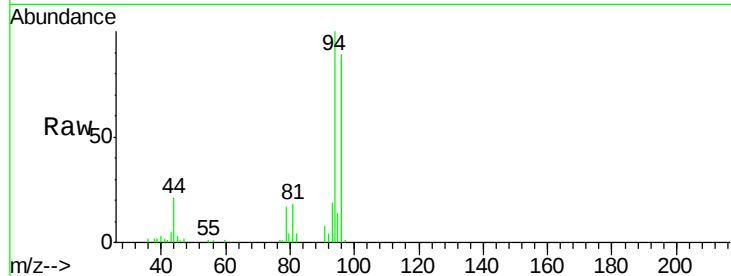
96 88.9 73.3 109.9

Manual Integrations

APPROVED

MMDadoda

9/25/2019 12:47:37 AM



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC

2.55

20000

15000

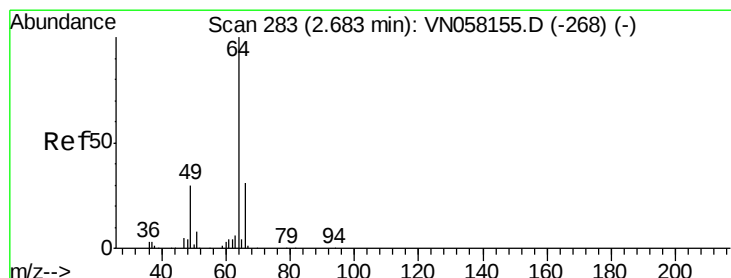
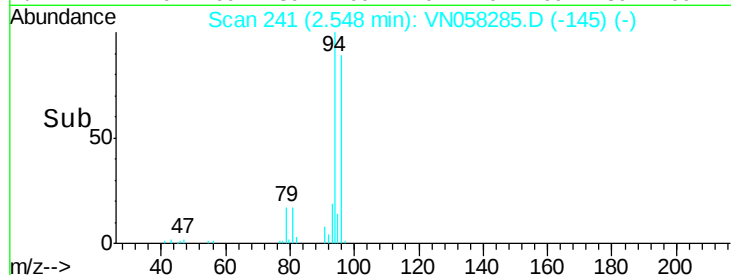
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5000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 20.304 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058285.D

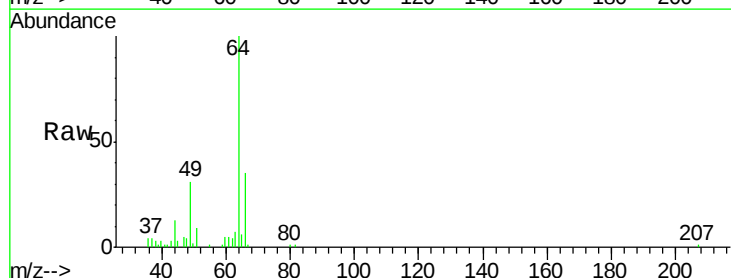
Acq: 23 Sep 2019 12:34

Tgt Ion: 64 Resp: 41375

Ion Ratio Lower Upper

64 100

66 34.6 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC

2.69

20000

15000

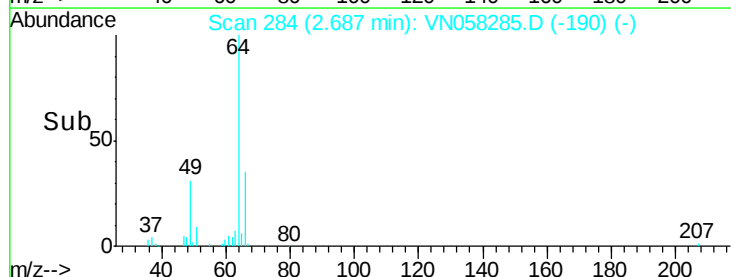
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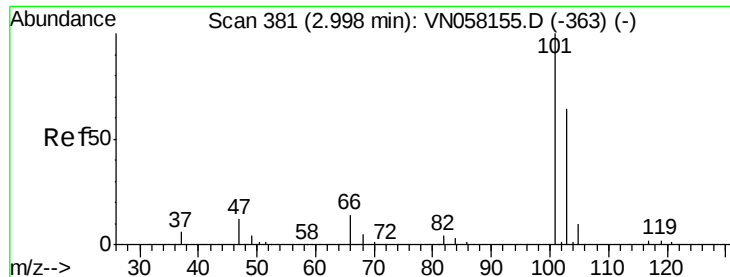
5000

0

Time-->

2.60 2.65 2.70 2.75 2.80





#7

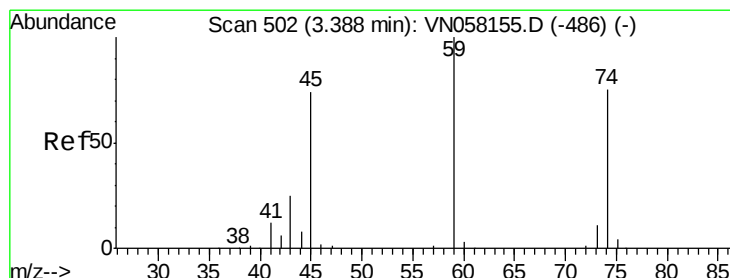
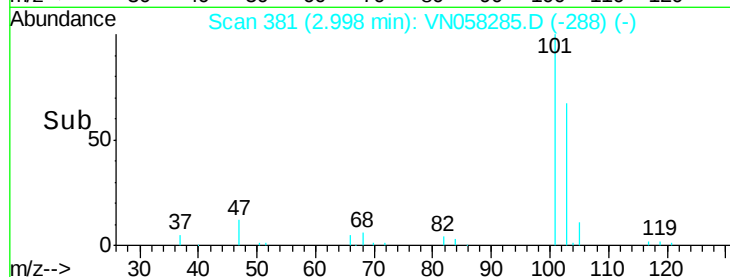
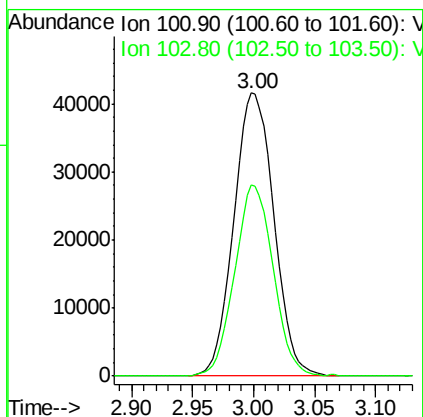
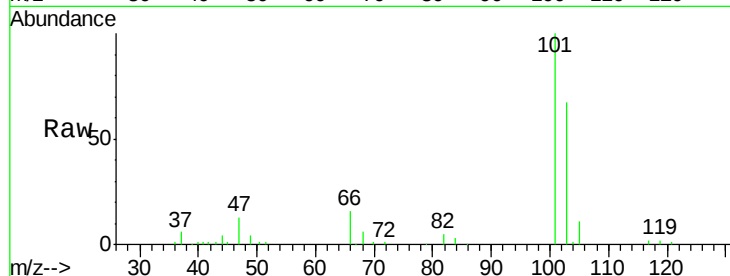
Trichlorofluoromethane  
Concen: 19.278 ug/l  
RT: 3.00 min Scan# 381  
Delta R.T. -0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0923WBSD01

| Tot Ion   | 101  | Resp  | 94467 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 101       | 100  |       |       |
| 103       | 67.4 | 51.0  | 76.6  |

Manual Integrations  
APPROVED

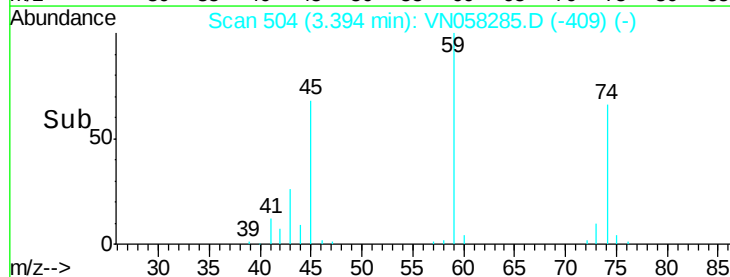
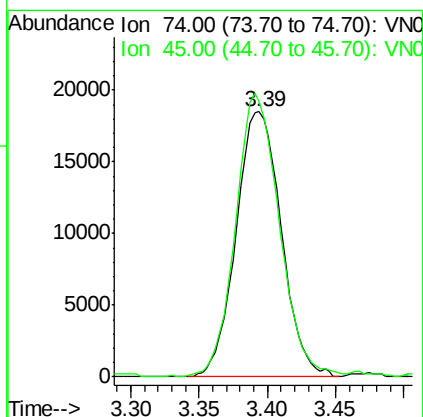
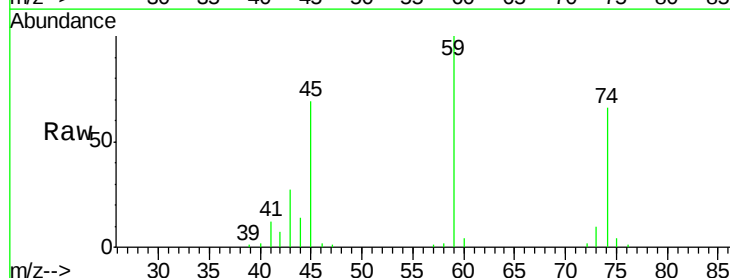
MMDadoda  
9/25/2019 12:47:37 AM

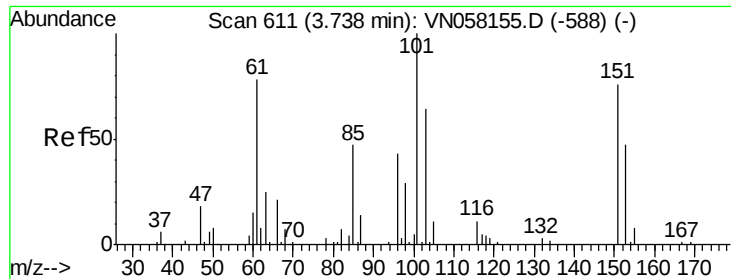


#8

Diethyl Ether  
Concen: 18.941 ug/l  
RT: 3.39 min Scan# 504  
Delta R.T. 0.01 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

| Tgt Ion   | 74    | Resp  | 42529 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 74        | 100   |       |       |
| 45        | 104.0 | 48.5  | 145.5 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.850 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA\_N

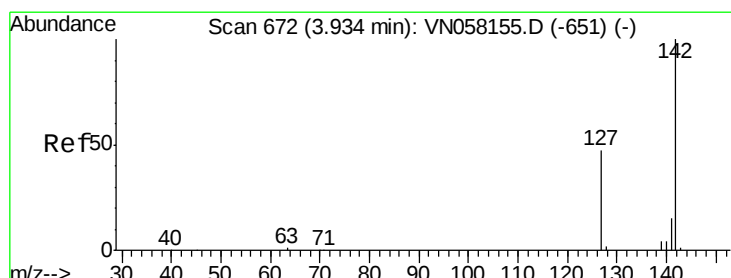
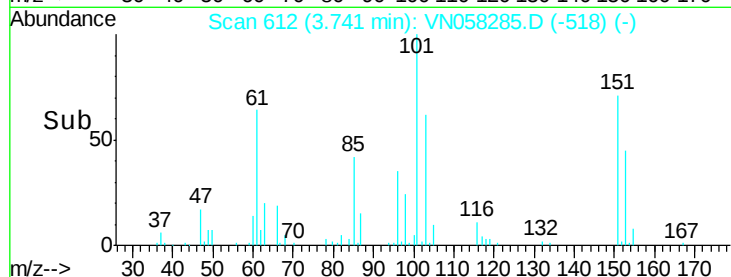
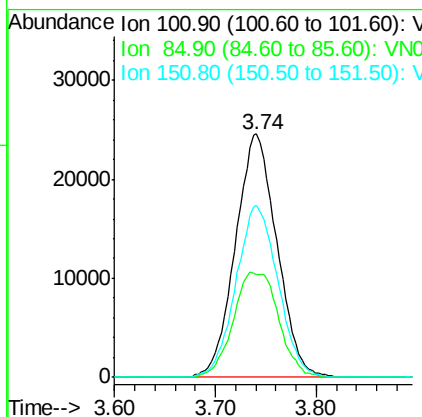
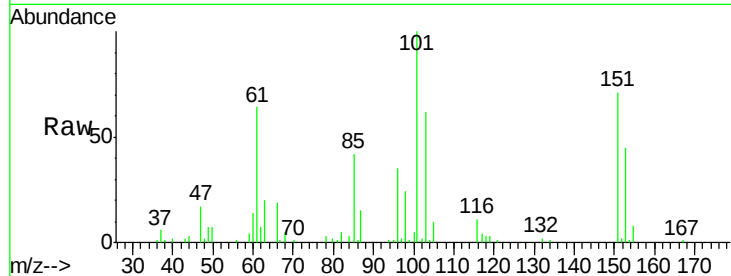
ClientSampleId :

VN0923WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 70134 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 47.2  | 37.3  | 55.9  |
| 151       | 71.8  | 59.6  | 89.4  |

Manual Integrations  
APPROVED

MMDadoda  
9/25/2019 12:47:37 AM



#10

Methyl Iodide

Concen: 18.366 ug/l

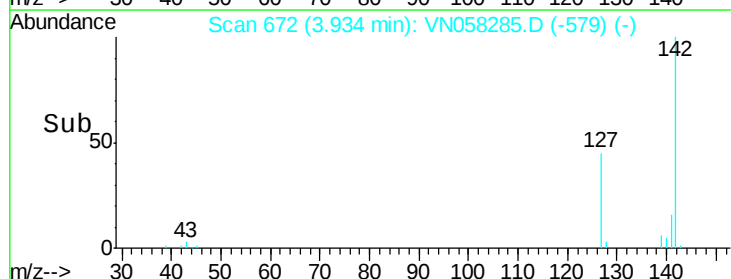
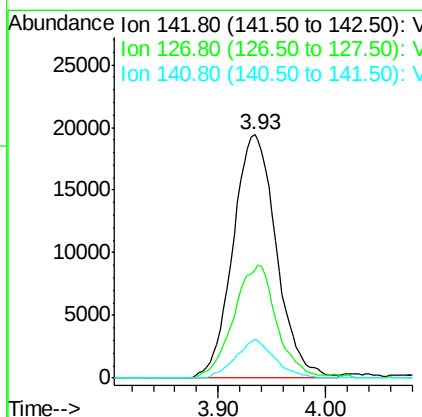
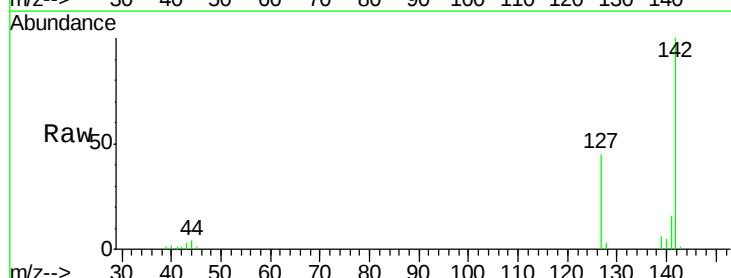
RT: 3.93 min Scan# 672

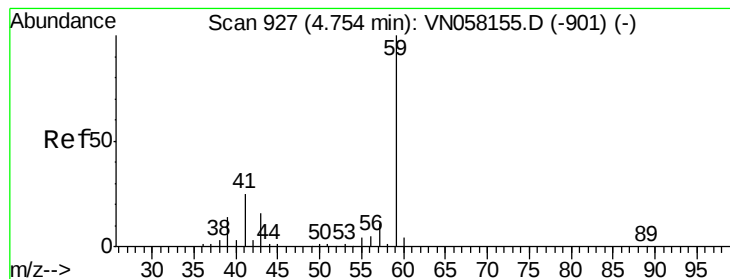
Delta R.T. -0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 54372 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 45.8  | 37.5  | 56.3  |
| 141       | 14.3  | 11.4  | 17.2  |





#11

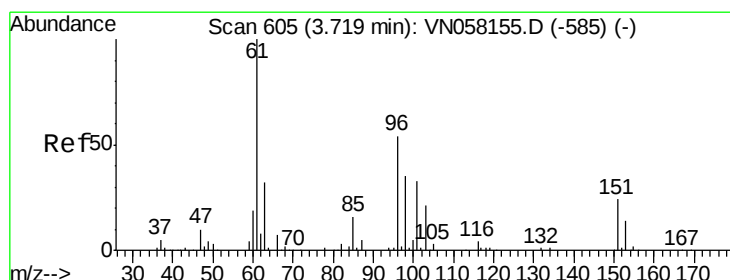
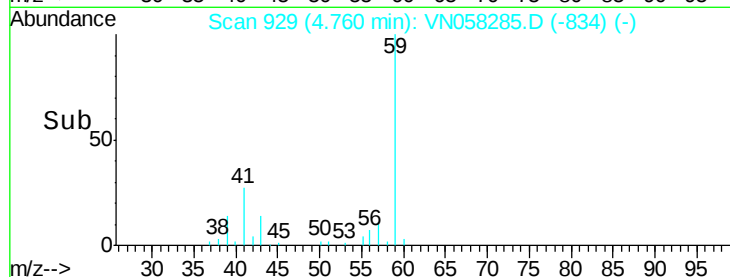
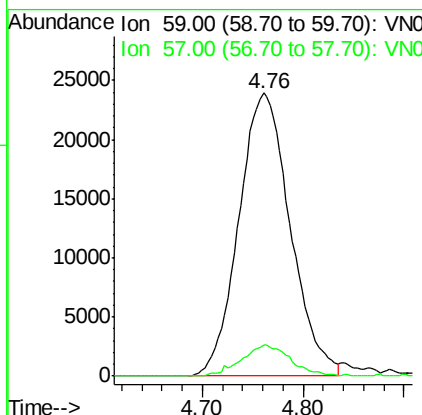
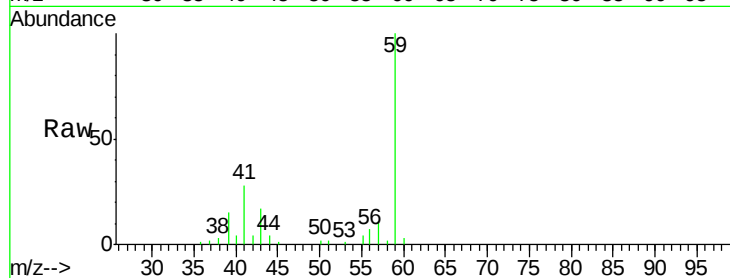
Tert butyl alcohol  
Concen: 116.786 ug/l  
RT: 4.76 min Scan# 929  
Delta R.T. 0.01 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0923WBSD01

| Tot Ion   | 59.00 | Resp  | 84561 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 59        | 100   |       |       |
| 57        | 10.5  | 8.6   | 13.0  |

Manual Integrations  
APPROVED

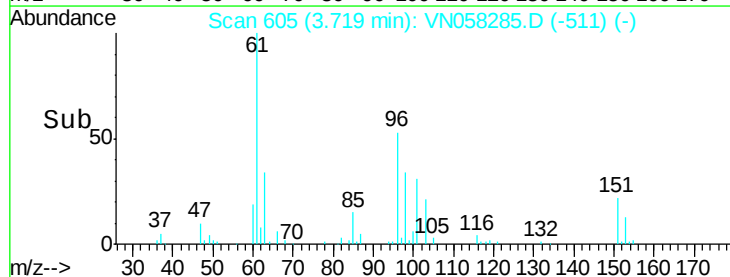
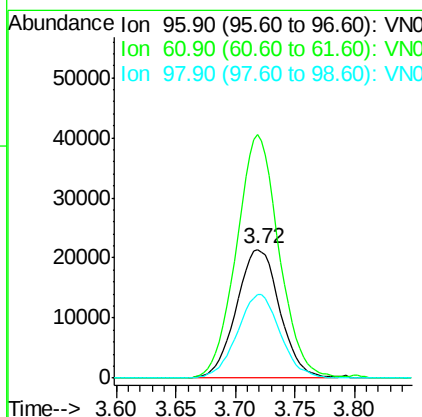
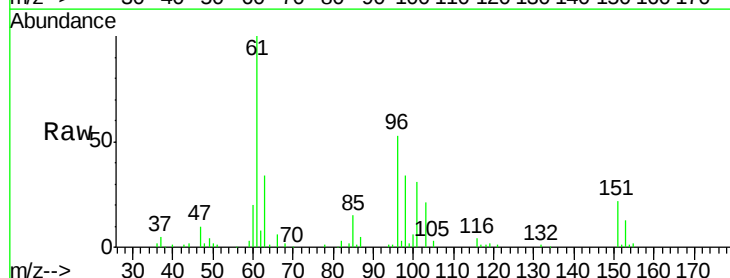
MMDadoda  
9/25/2019 12:47:37 AM

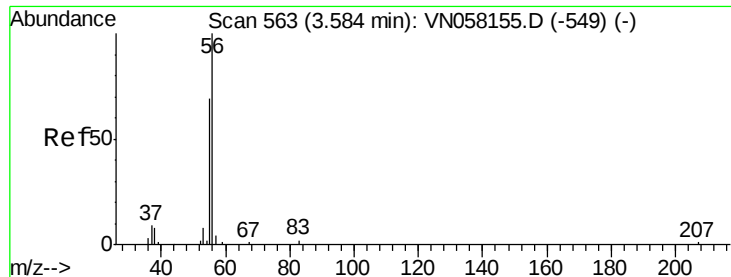


#12

1,1-Dichloroethene  
Concen: 19.984 ug/l  
RT: 3.72 min Scan# 605  
Delta R.T. 0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

| Tgt Ion   | 96    | Resp  | 54154 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 96        | 100   |       |       |
| 61        | 189.6 | 149.5 | 224.3 |
| 98        | 64.9  | 52.4  | 78.6  |





#13

Acrolein

Concen: 179.834 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.01 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA\_N

ClientSampleId :

VN0923WBSD01

Tot Ion: 56 Resp: 19297

Ion Ratio Lower Upper

56 100

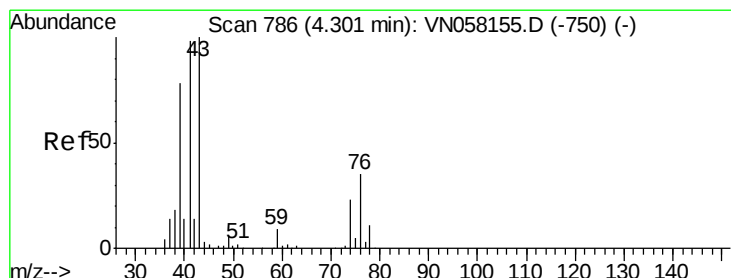
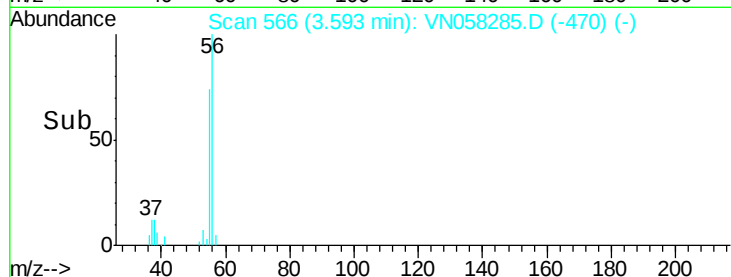
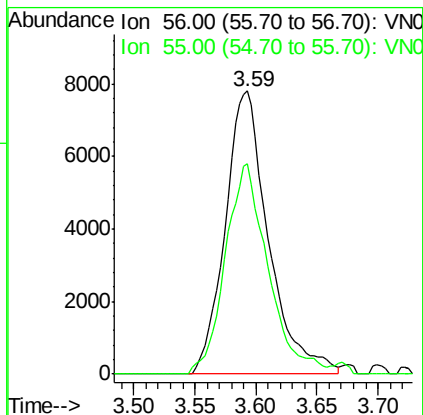
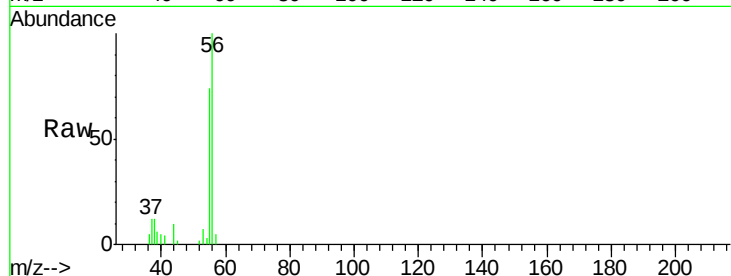
55 73.1 56.1 84.1

Manual Integrations

APPROVED

MMDadoda

9/25/2019 12:47:37 AM



#14

Allyl chloride

Concen: 18.627 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

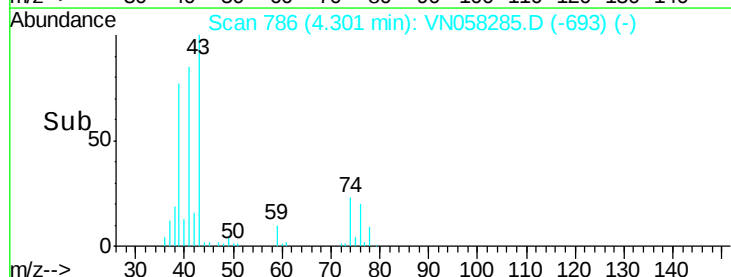
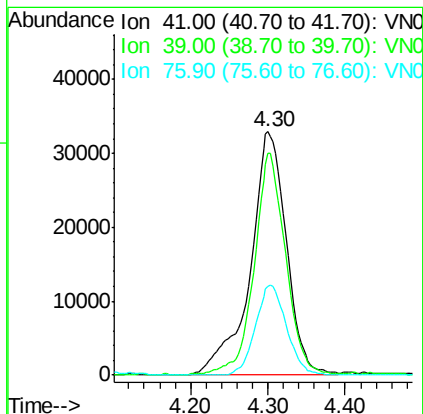
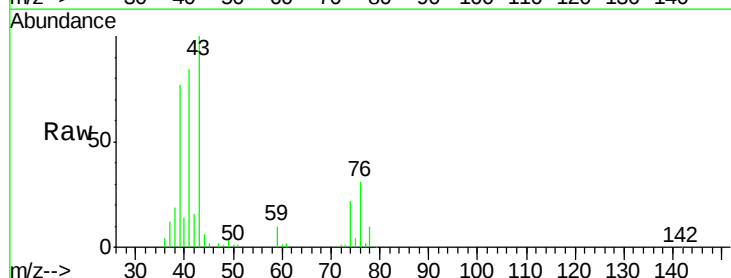
Tgt Ion: 41 Resp: 107691

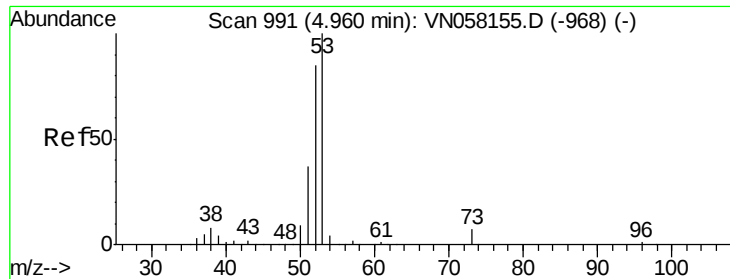
Ion Ratio Lower Upper

41 100

39 77.8 59.1 88.7

76 31.6 25.1 37.7





#15

Acrylonitrile

Concen: 113.678 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.01 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA\_N

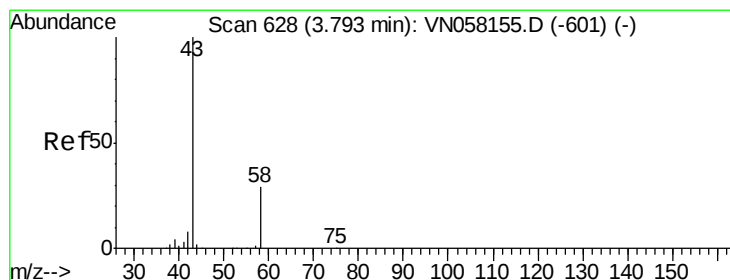
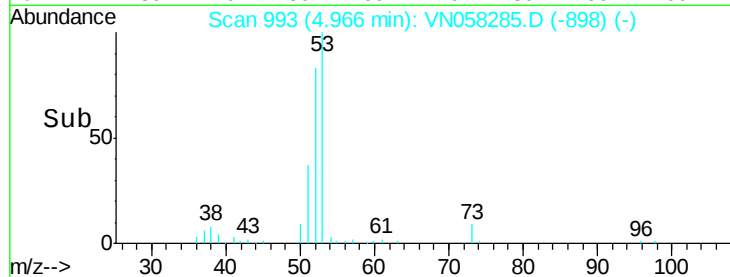
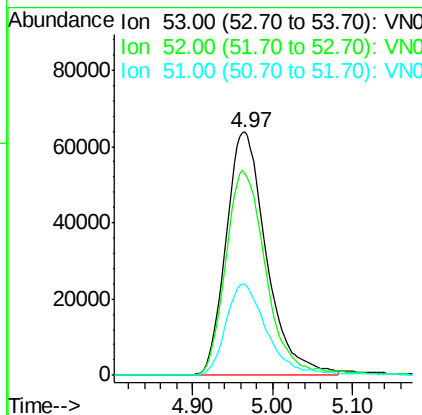
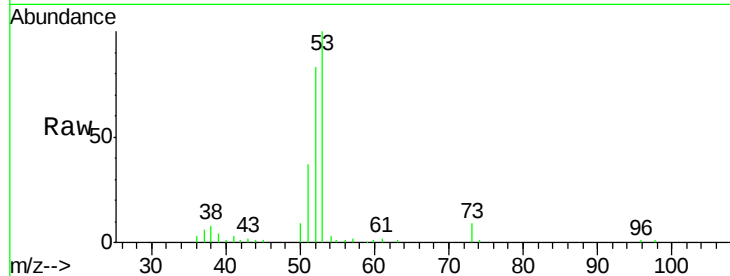
ClientSampleId :

VN0923WBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 219299 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.1  | 66.6  | 100.0  |
| 51       | 38.1  | 29.7  | 44.5   |

Manual Integrations  
APPROVED

MMDadoda  
9/25/2019 12:47:37 AM



#16

Acetone

Concen: 92.623 ug/l

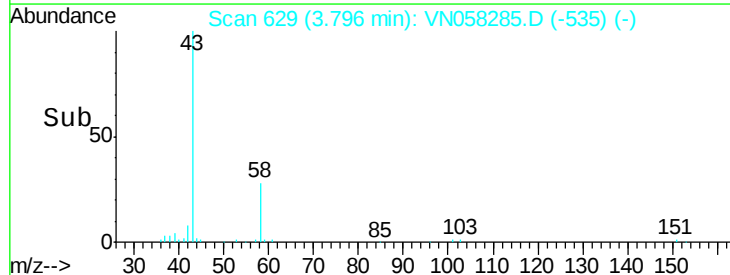
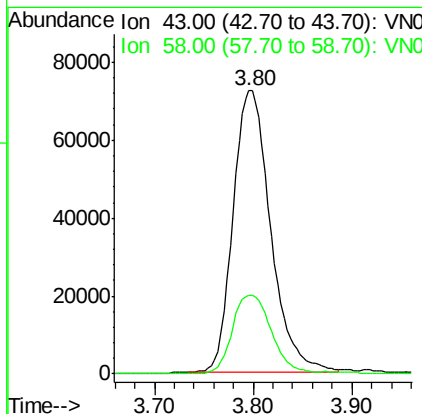
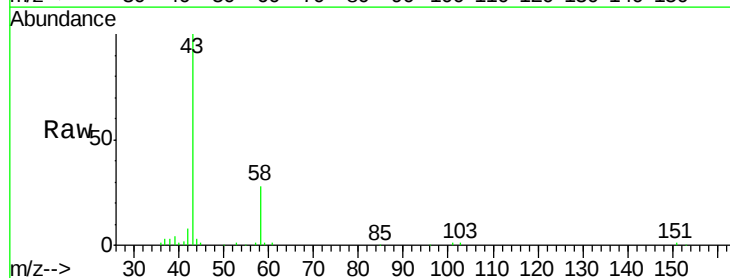
RT: 3.80 min Scan# 629

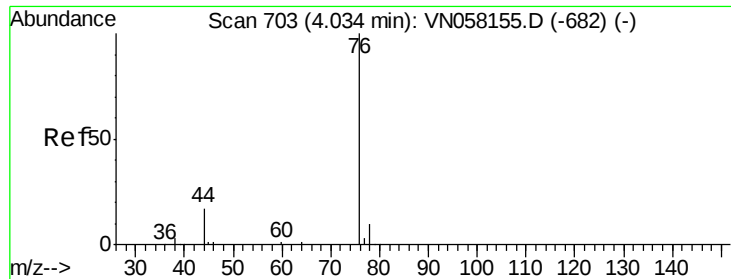
Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 191376 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 27.9  | 23.4  | 35.2   |





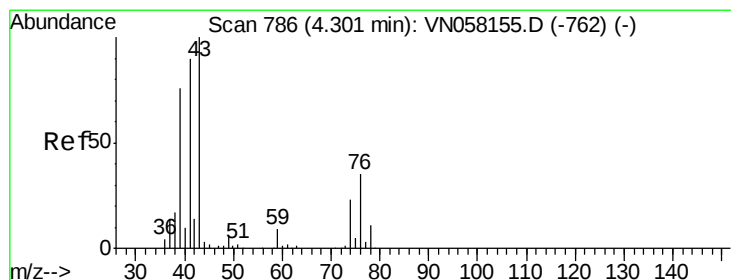
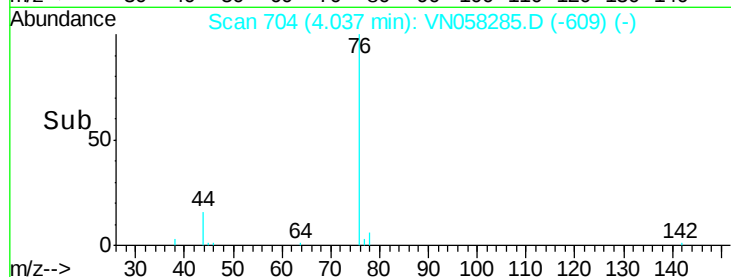
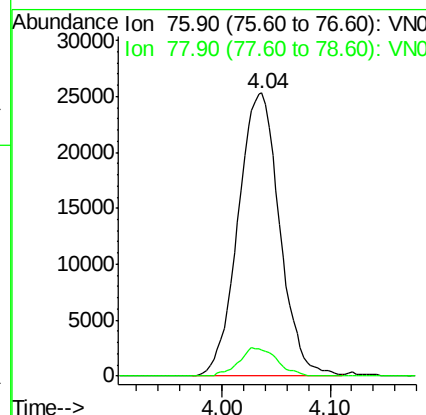
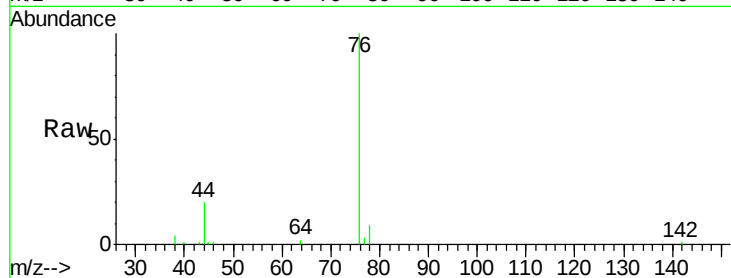
#17  
Carbon Disulfide  
Concen: 18.090 ug/l  
RT: 4.04 min Scan# 704  
Delta R.T. 0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0923WBSD01

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 76      | 76  | 100   |       |       |
| 78      | 78  | 9.2   | 7.7   | 11.5  |

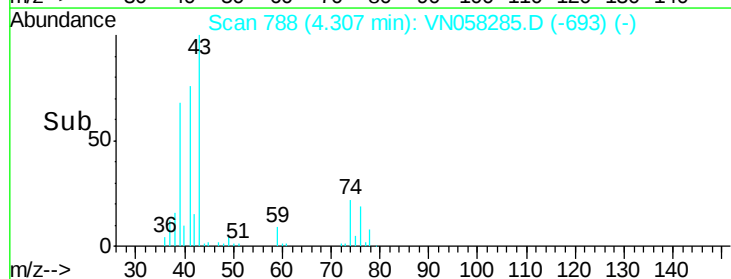
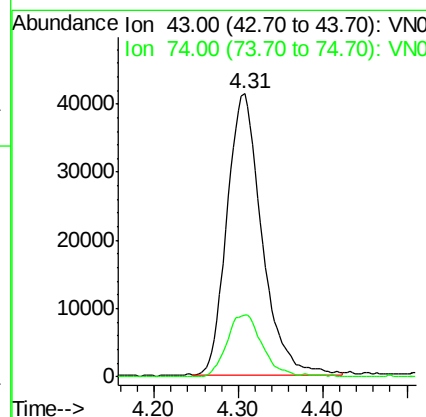
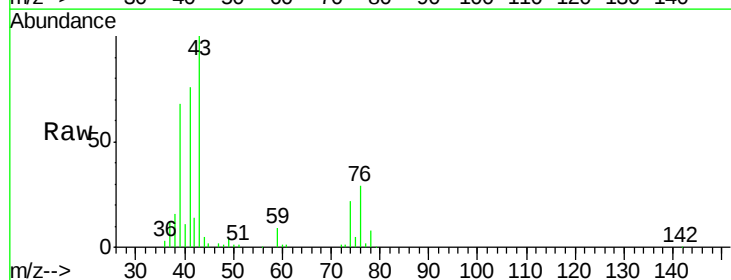
Manual Integrations  
APPROVED

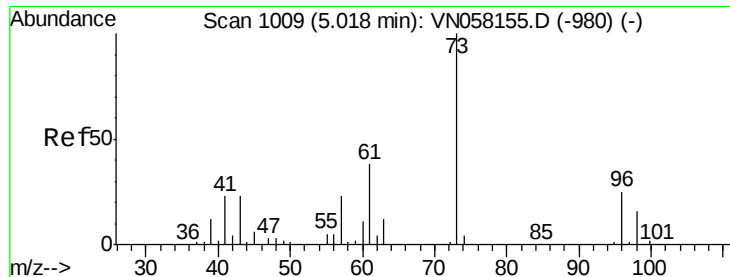
MMDadoda  
9/25/2019 12:47:37 AM



#18  
Methyl Acetate  
Concen: 21.792 ug/l  
RT: 4.31 min Scan# 788  
Delta R.T. 0.01 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 43      | 43  | 100   |       |       |
| 74      | 74  | 22.3  | 18.0  | 27.0  |





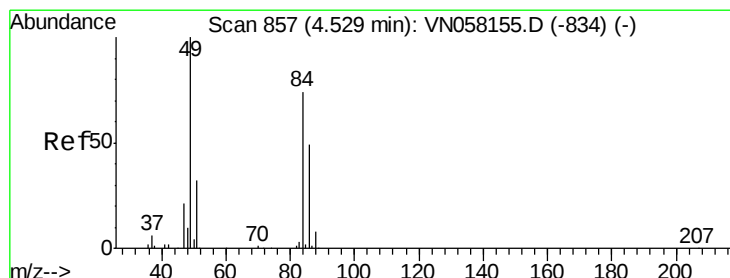
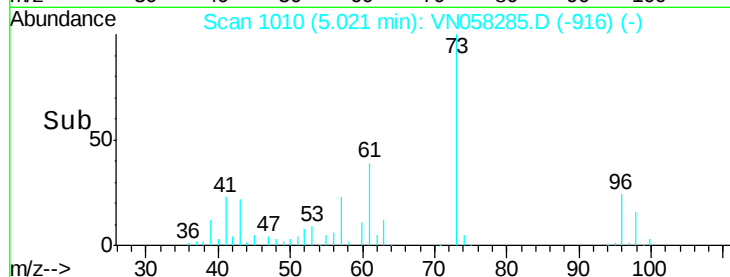
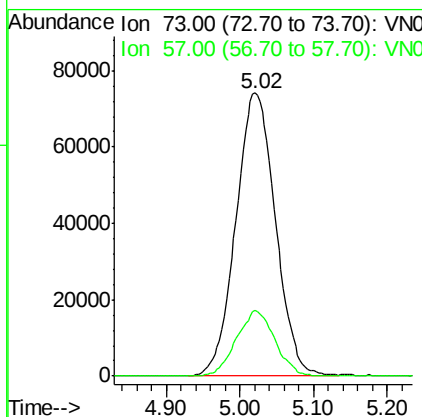
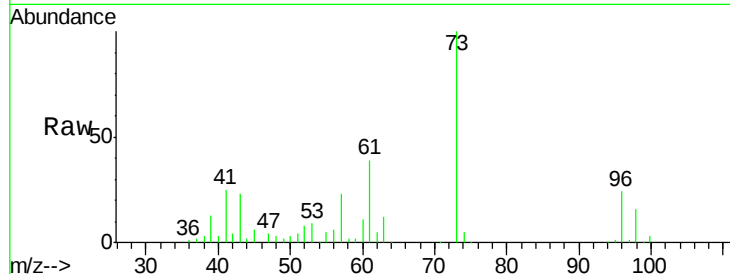
#19  
Methvl tert-butvl Ether  
Concen: 20.816 ug/l  
RT: 5.02 min Scan# 1010  
Delta R.T. 0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0923WBSD01

Tot Ion: 73 Resp: 277384  
Ion Ratio Lower Upper  
73 100  
57 23.3 18.1 27.1

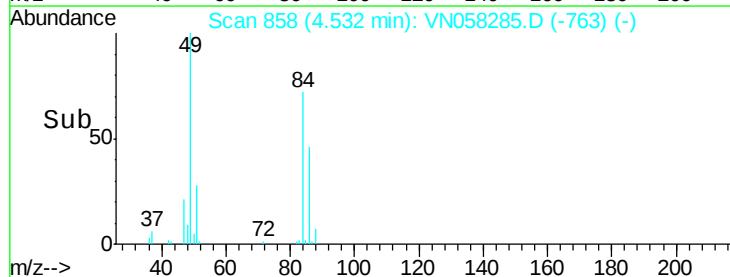
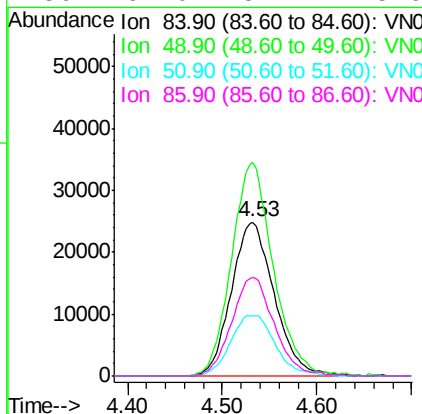
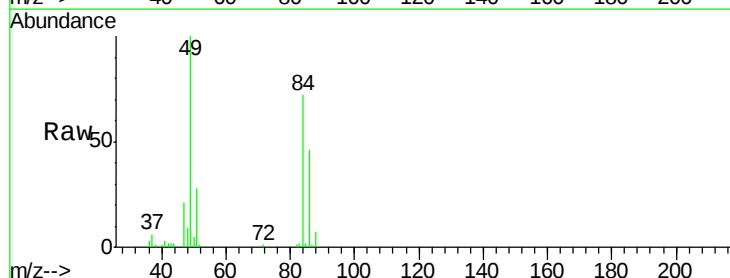
Manual Integrations  
APPROVED

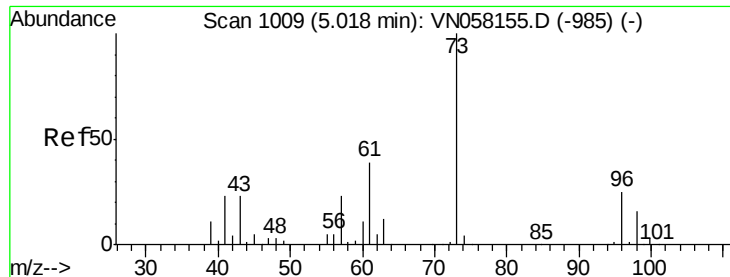
MMDadoda  
9/25/2019 12:47:37 AM



#20  
Methylene Chloride  
Concen: 21.511 ug/l  
RT: 4.53 min Scan# 858  
Delta R.T. 0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

Tgt Ion: 84 Resp: 78272  
Ion Ratio Lower Upper  
84 100  
49 138.9 107.5 161.3  
51 38.8 33.9 50.9  
86 64.0 52.4 78.6





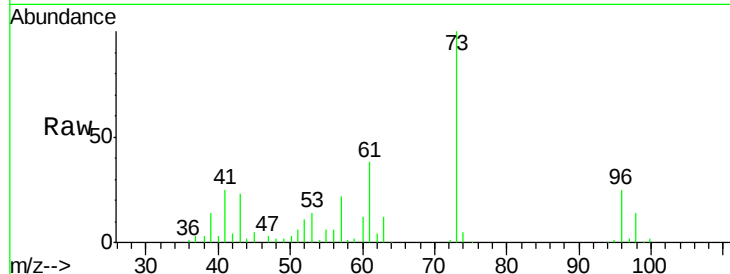
#21  
trans-1,2-Dichloroethene  
Concen: 19.641 ug/l  
RT: 5.01 min Scan# 1008  
Delta R.T. -0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0923WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 154.3 | 122.2 | 183.4 |
| 98      | 56.5  | 49.9  | 74.9  |

Manual Integrations  
APPROVED

MMDadoda  
9/25/2019 12:47:37 AM

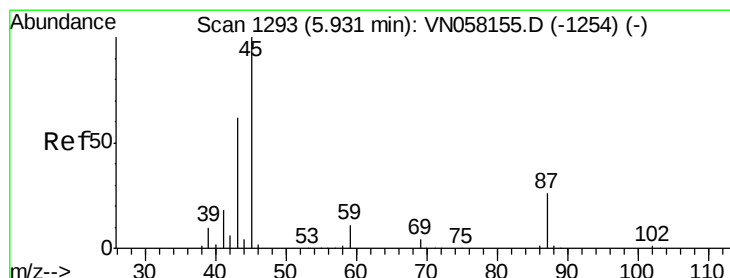
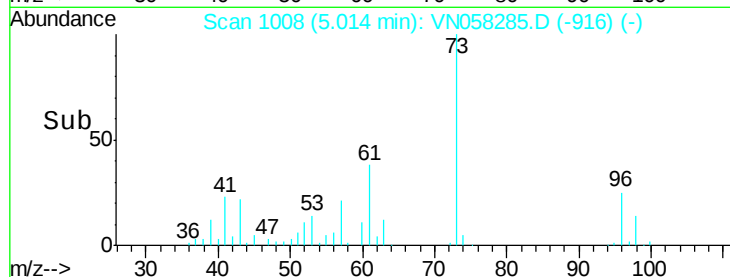
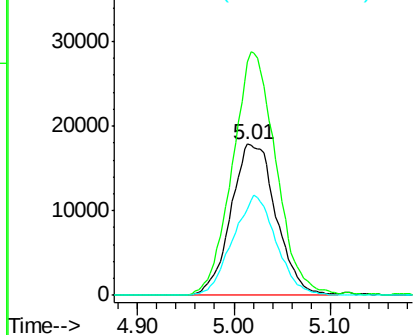


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22  
Diisopropyl ether  
Concen: 20.508 ug/l  
RT: 5.93 min Scan# 1293  
Delta R.T. -0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 67.7  | 49.7  | 74.5  |
| 87      | 26.7  | 20.7  | 31.1  |
| 59      | 10.8  | 9.1   | 13.7  |

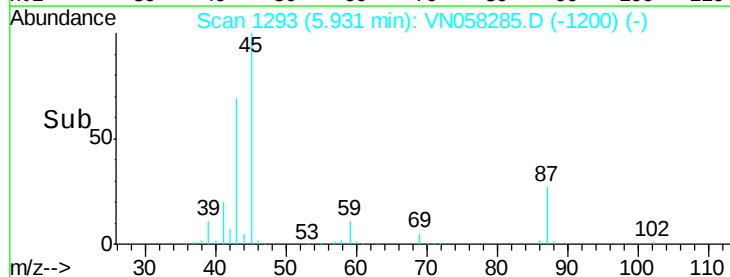
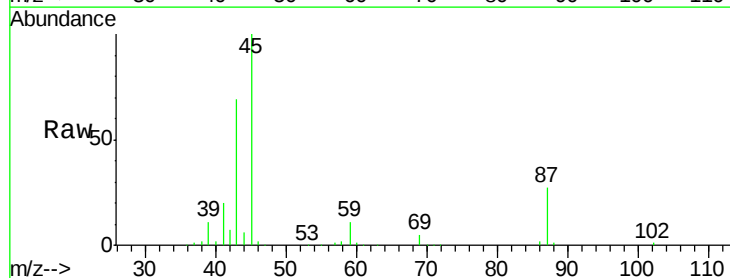
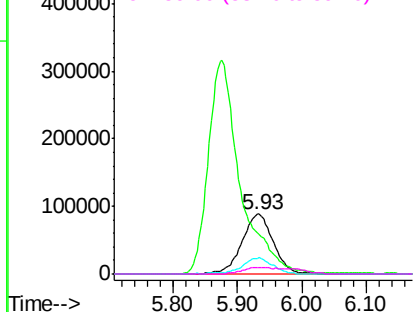
Abundance

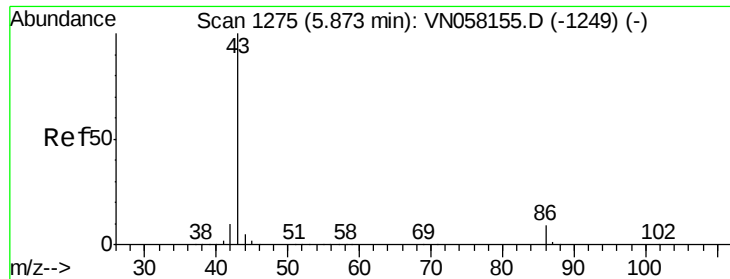
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 107.749 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA\_N

ClientSampleID :

VN0923WBSD01

Tot Ion: 43 Resp: 1082753

Ion Ratio Lower Upper

43 100

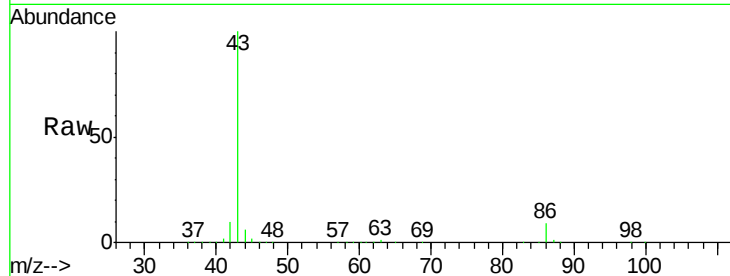
86 9.2 7.4 11.2

Manual Integrations

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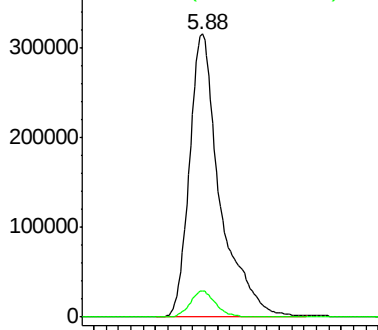
MMDadoda

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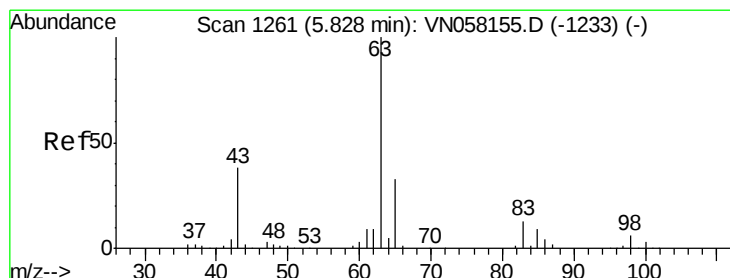
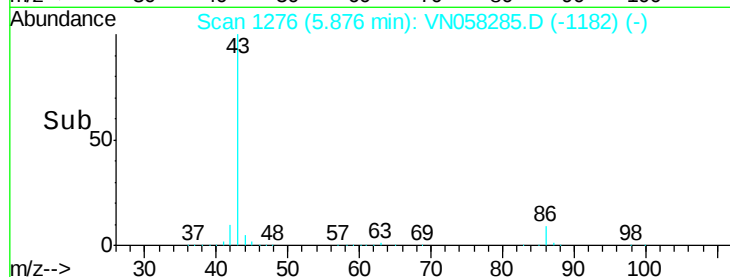


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 20.314 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

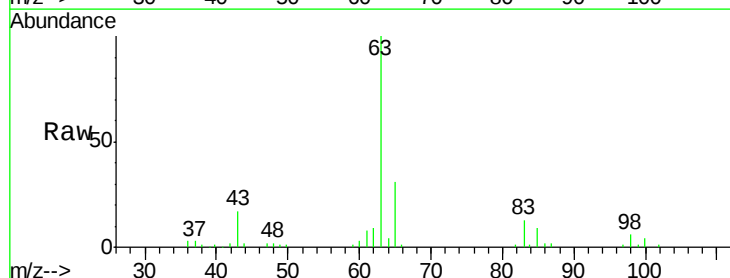
Tgt Ion: 63 Resp: 159224

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

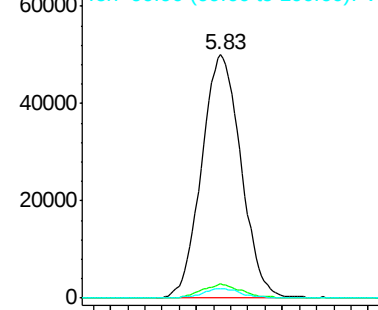
100 3.8 1.8 5.3



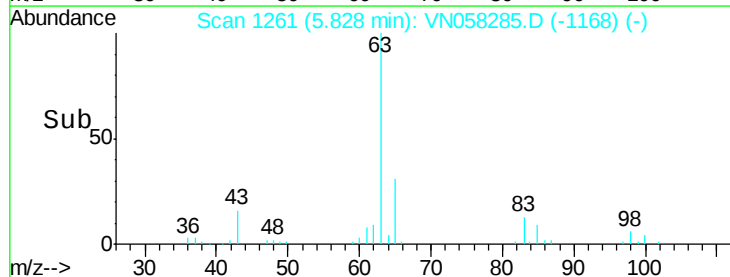
Abundance Ion 62.90 (62.60 to 63.60): VN0

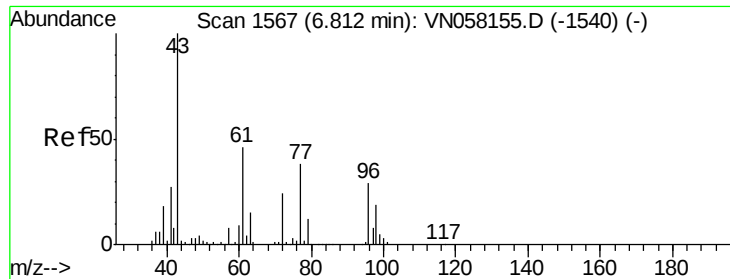
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 108.882 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA\_N

ClientSampleId :

VN0923WBSD01

Tot Ion: 43 Resp: 306496

Ion Ratio Lower Upper

43 100

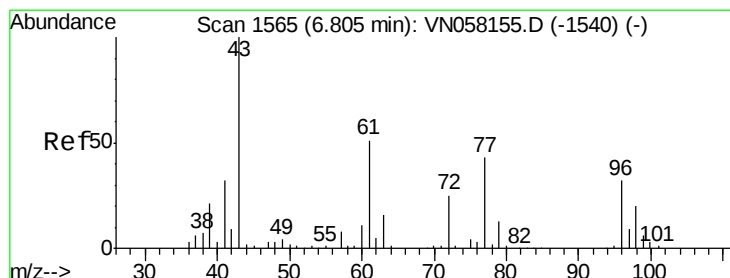
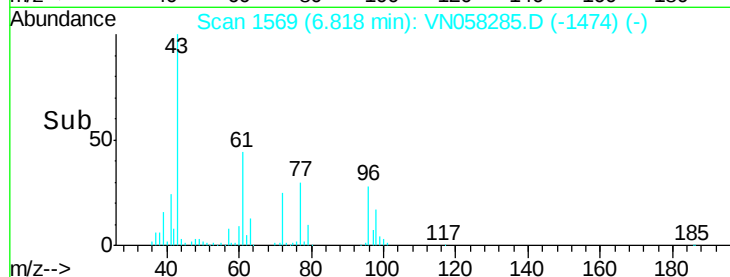
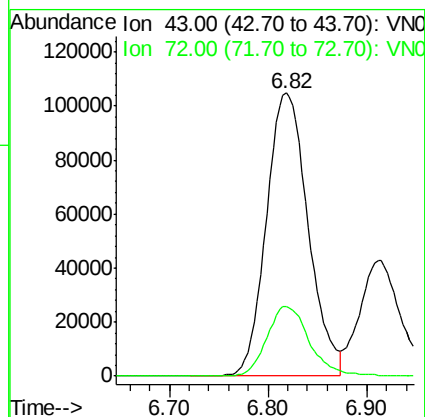
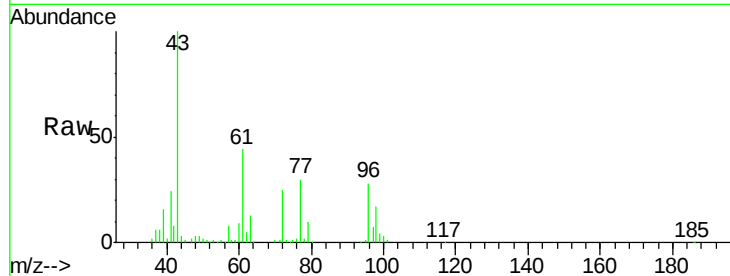
72 24.8 19.5 29.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.811 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058285.D

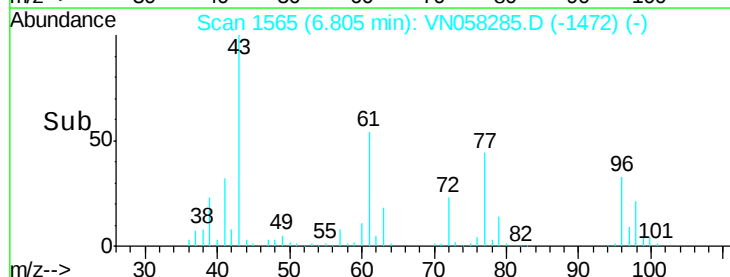
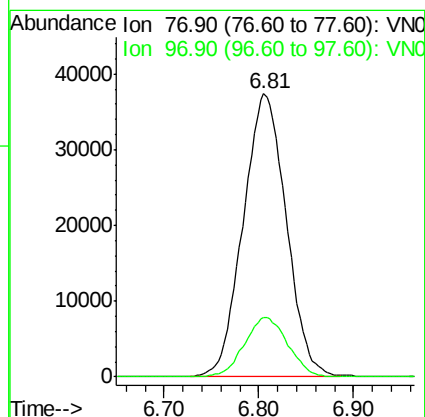
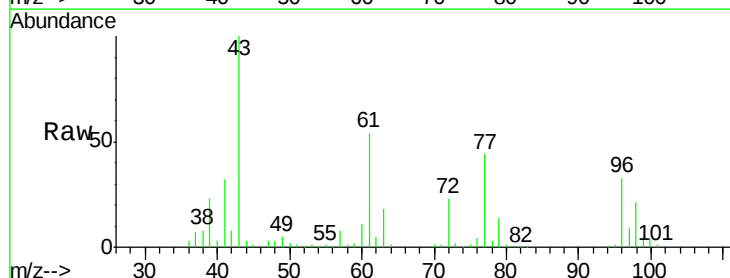
Acq: 23 Sep 2019 12:34

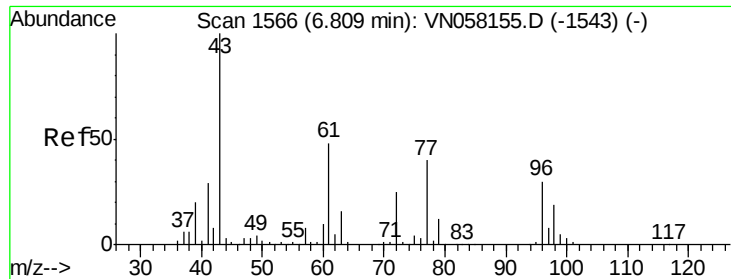
Tgt Ion: 77 Resp: 118437

Ion Ratio Lower Upper

77 100

97 21.0 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 19.758 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA\_N

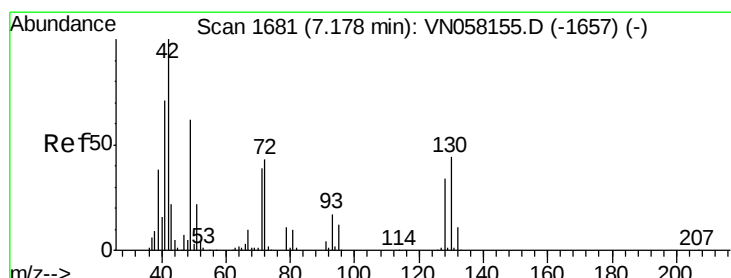
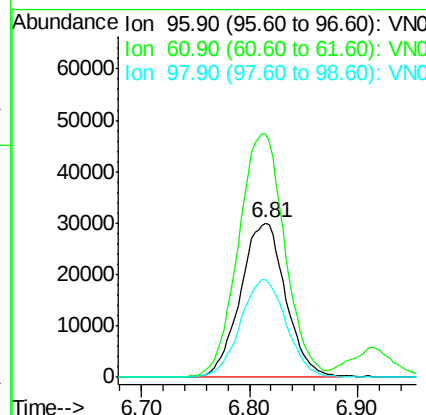
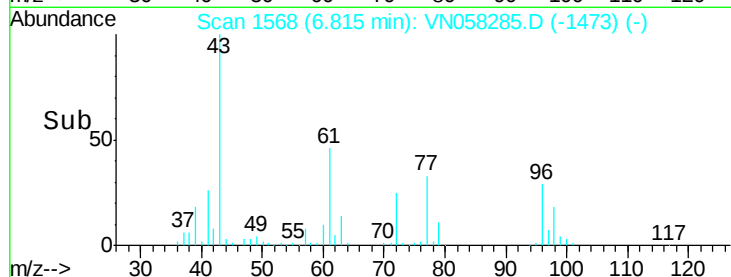
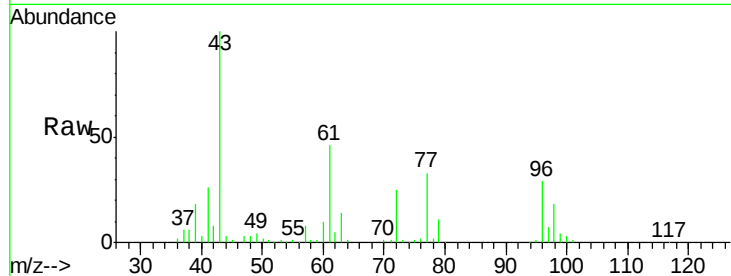
ClientSampleId :

VN0923WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 87565 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 162.3 | 0.0   | 319.0 |
| 98       | 64.4  | 0.0   | 126.6 |

Manual Integrations  
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#28

Bromochloromethane

Concen: 22.592 ug/l

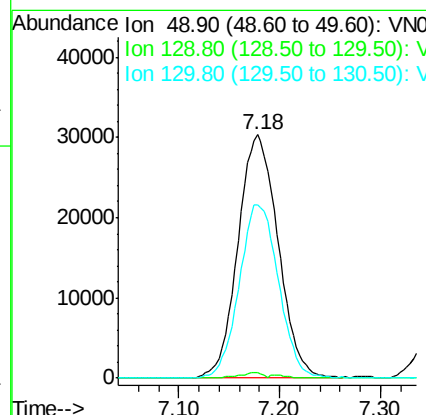
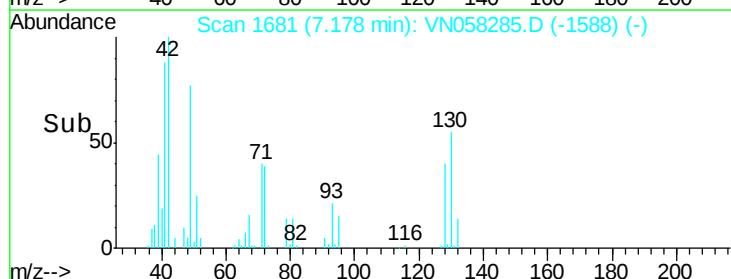
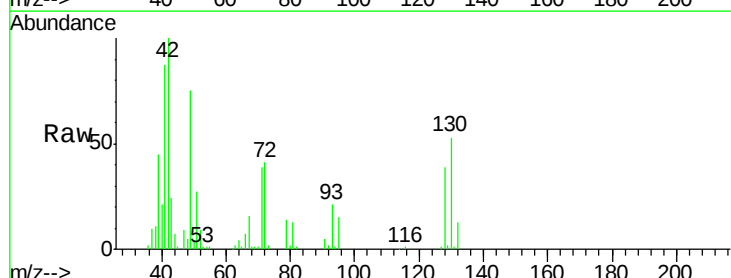
RT: 7.18 min Scan# 1681

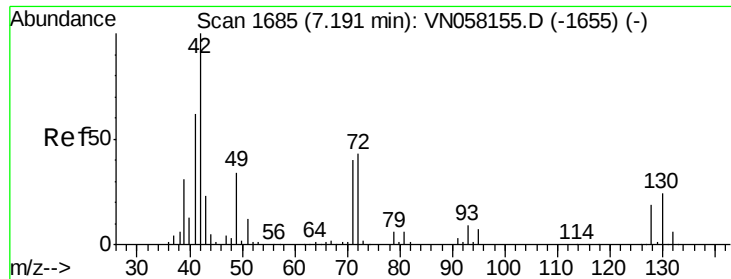
Delta R.T. -0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 83768 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 1.3   | 0.0   | 1.8   |
| 130      | 70.0  | 55.4  | 83.2  |





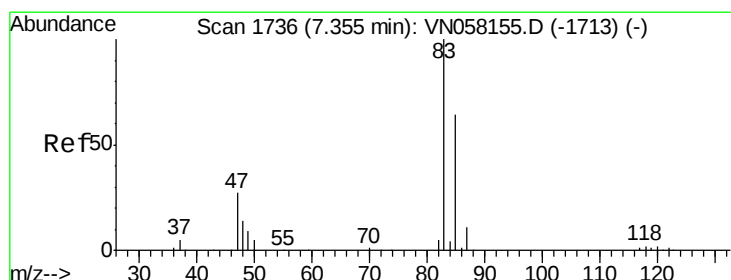
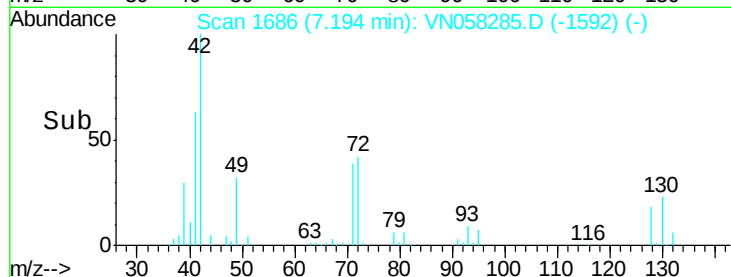
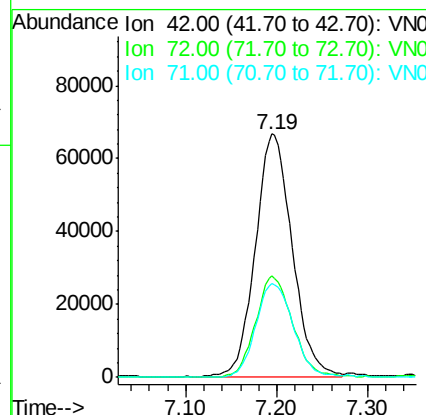
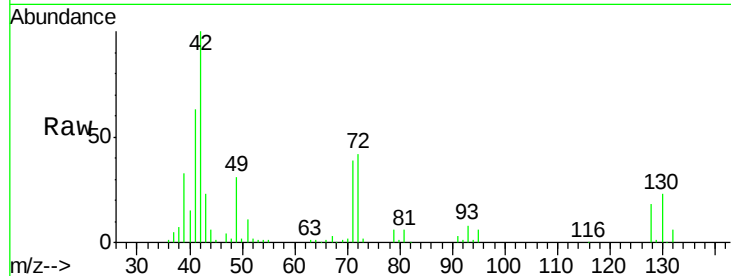
#29  
Tetrahydrofuran  
Concen: 108.615 ug/l  
RT: 7.19 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0923WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 41.8  | 33.8  | 50.6  |
| 71      | 39.2  | 31.4  | 47.0  |

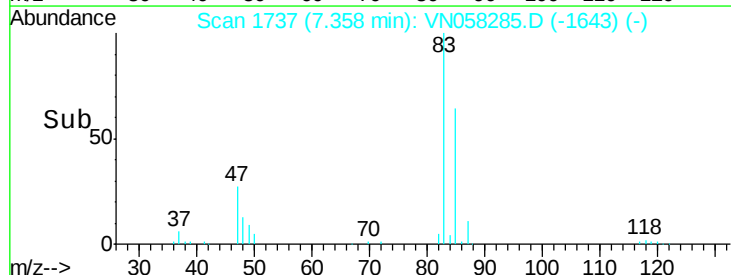
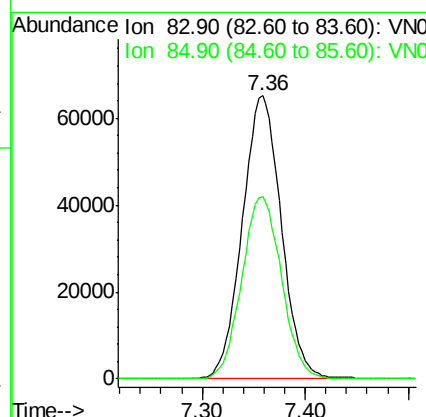
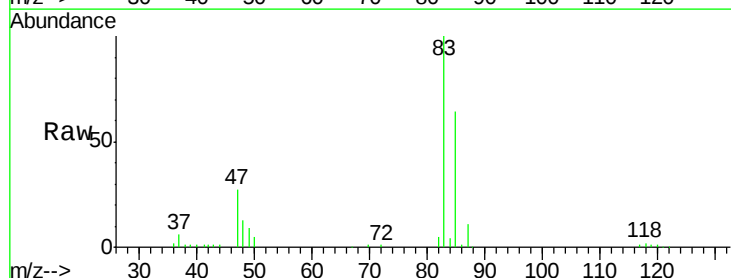
Manual Integrations  
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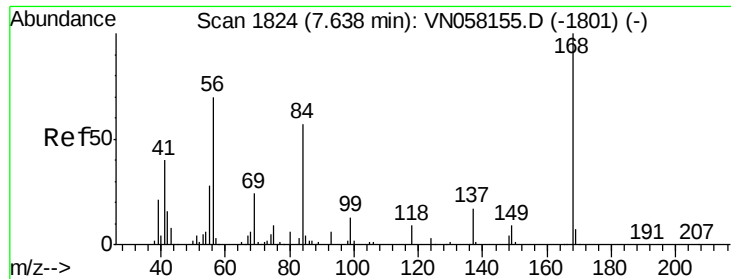
MMDadoda  
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#30  
Chloroform  
Concen: 20.276 ug/l  
RT: 7.36 min Scan# 1737  
Delta R.T. 0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.3  | 51.4  | 77.2  |





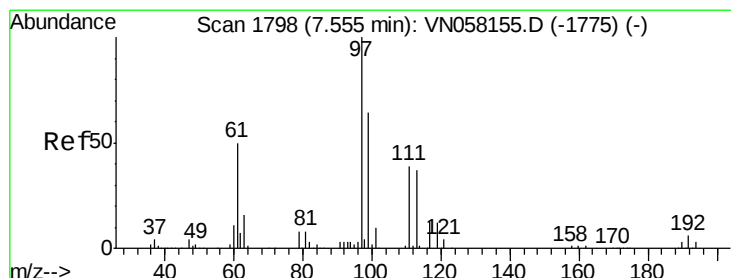
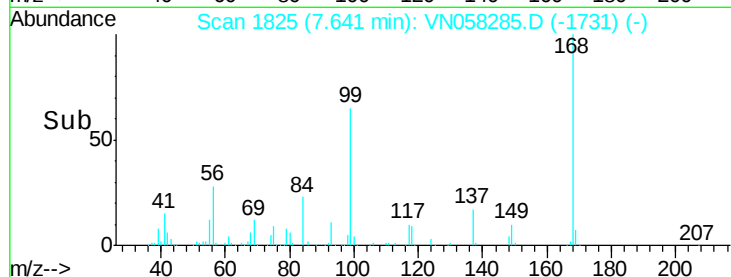
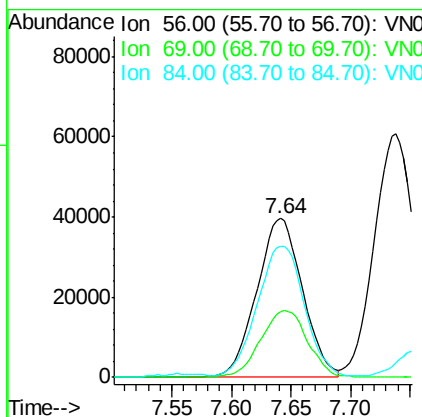
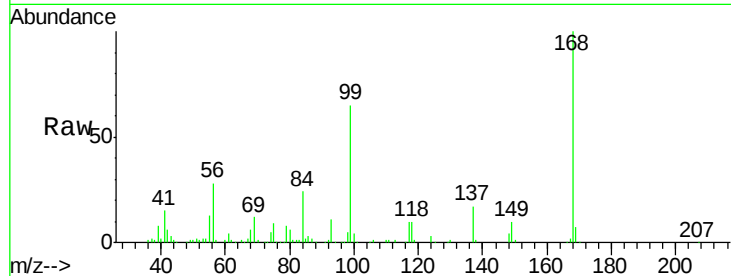
#31  
Cyclohexane  
Concen: 19.345 ug/l  
RT: 7.64 min Scan# 1825  
Delta R.T. 0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0923WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 41.5  | 27.3  | 40.9# |
| 84      | 80.7  | 65.0  | 97.4  |

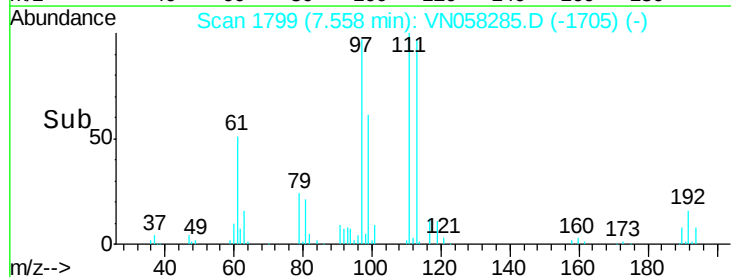
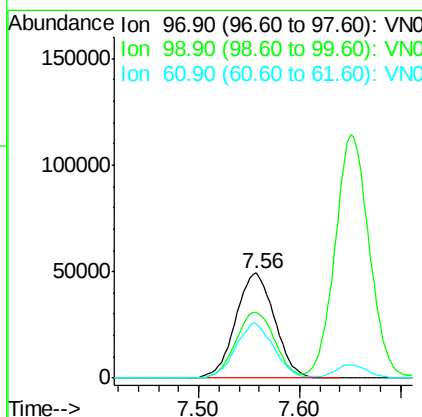
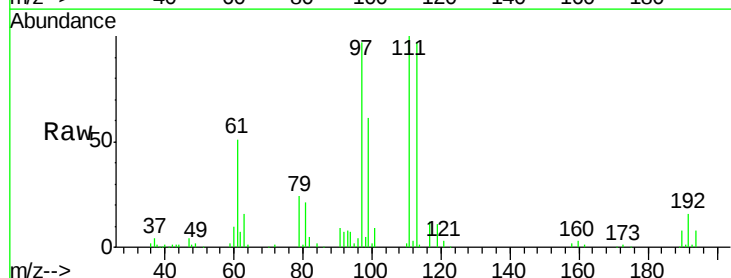
Manual Integrations  
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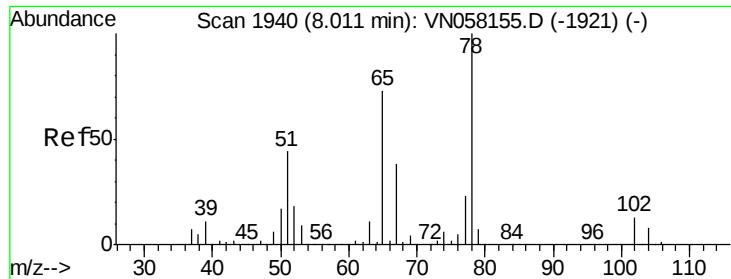
MMDadoda  
9/25/2019 12:47:37 AM



#32  
1,1,1-Trichloroethane  
Concen: 20.637 ug/l  
RT: 7.56 min Scan# 1799  
Delta R.T. 0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 62.8  | 50.9  | 76.3  |
| 61      | 51.0  | 39.2  | 58.8  |





#33

1,2-Dichloroethane-d4

Concen: 54.375 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA\_N

ClientSampleId :

VN0923WBSD01

Tot Ion: 65 Resp: 330983

Ion Ratio Lower Upper

65 100

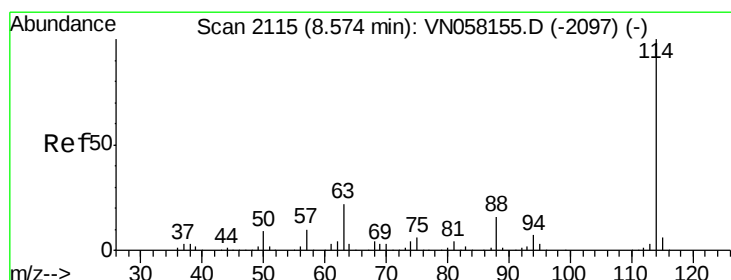
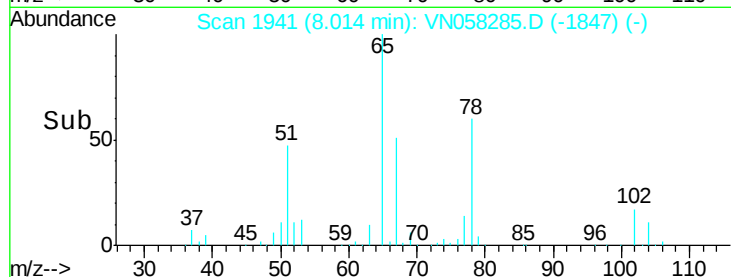
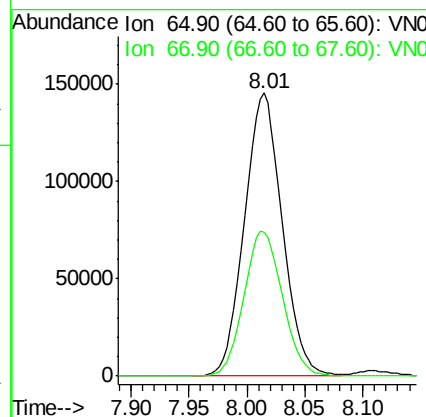
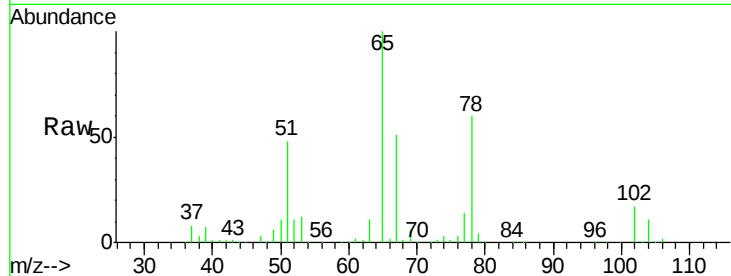
67 52.0 0.0 103.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

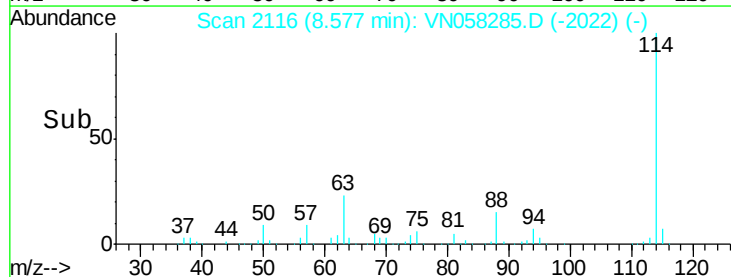
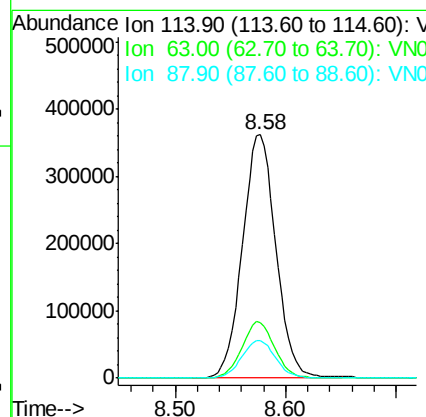
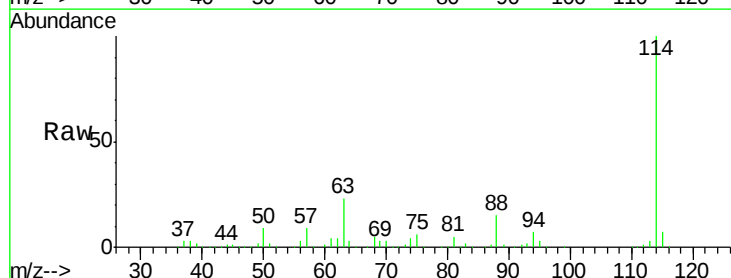
Tgt Ion: 114 Resp: 760113

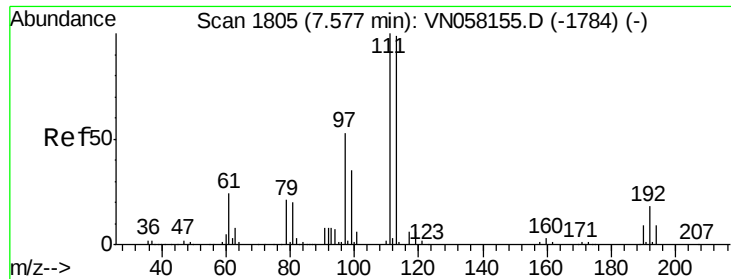
Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.2

88 15.3 0.0 31.6





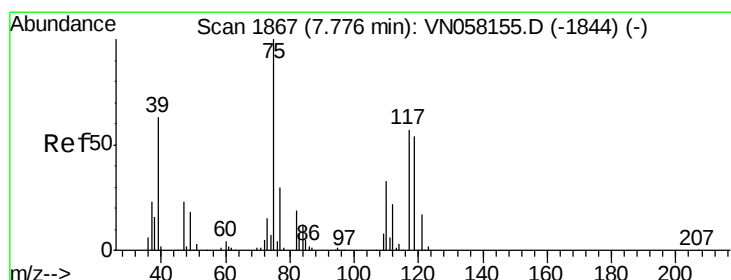
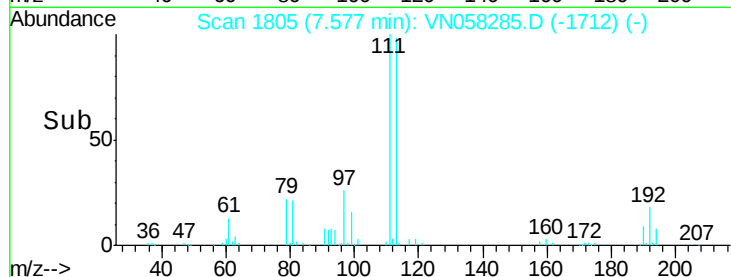
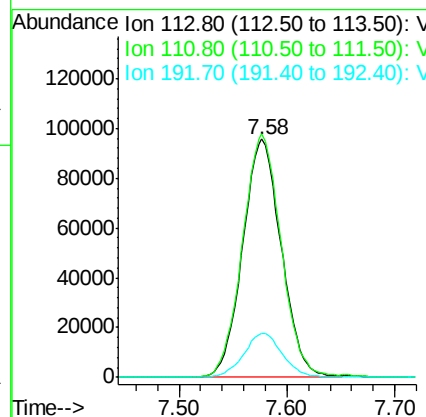
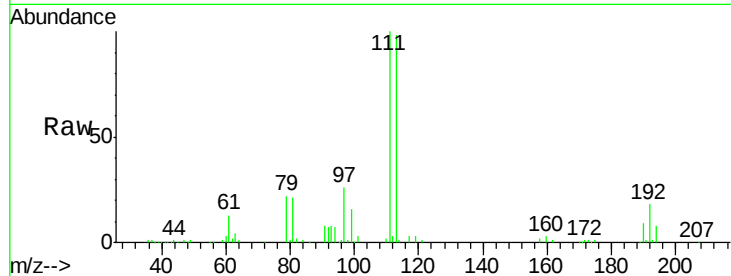
#35  
 Dibromofluoromethane  
 Concen: 51.543 ug/l  
 RT: 7.58 min Scan# 1805  
 Delta R.T. -0.00 min  
 Lab File: VN058285.D  
 Acq: 23 Sep 2019 12:34

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0923WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 238173 |       |       |
| 111     | 102.4 | 81.8   | 122.6 |       |
| 192     | 18.4  | 14.5   | 21.7  |       |

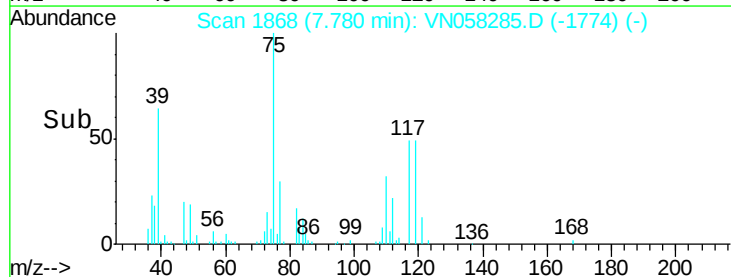
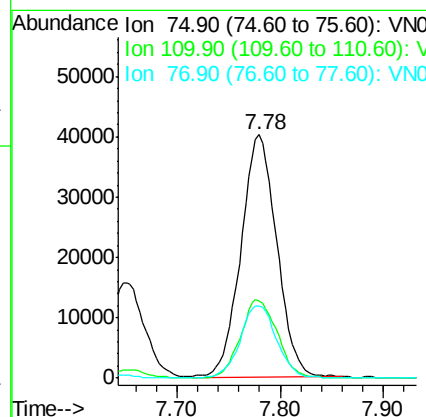
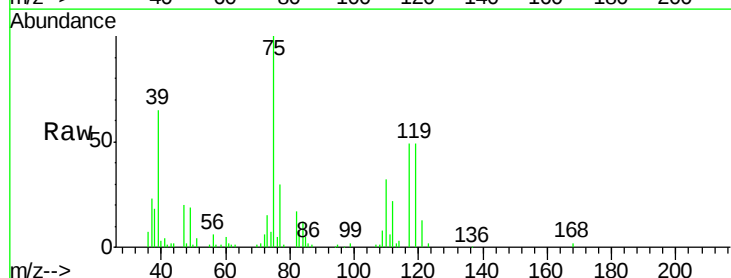
Manual Integrations  
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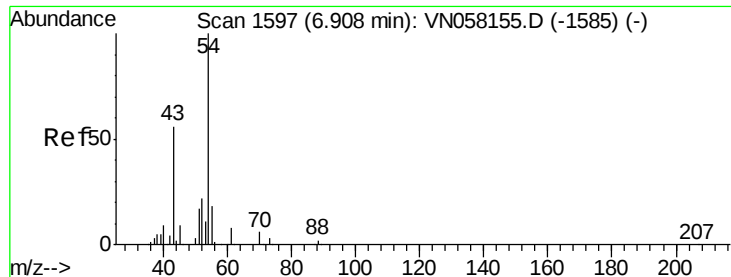
MMDadoda  
 9/25/2019 12:47:37 AM



#36  
 1,1-Dichloropropene  
 Concen: 17.799 ug/l  
 RT: 7.78 min Scan# 1868  
 Delta R.T. 0.00 min  
 Lab File: VN058285.D  
 Acq: 23 Sep 2019 12:34

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 97564 |       |       |
| 110     | 33.0  | 16.6  | 49.7  |       |
| 77      | 30.6  | 24.3  | 36.5  |       |





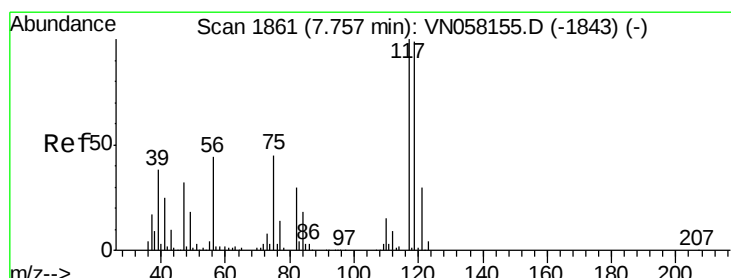
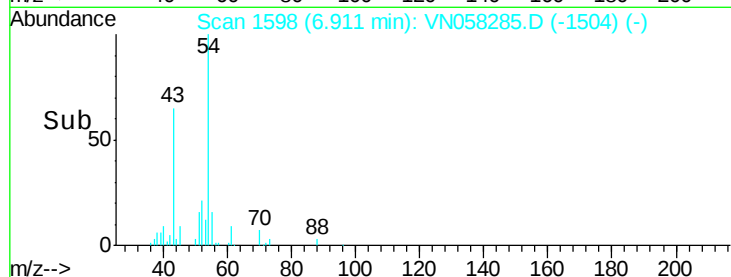
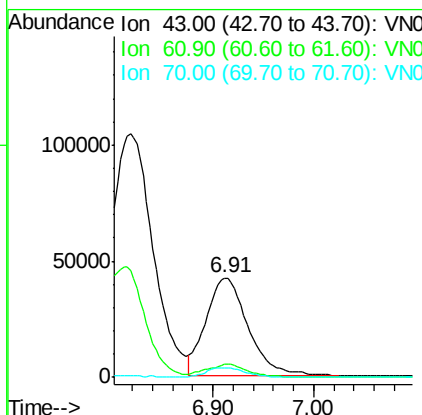
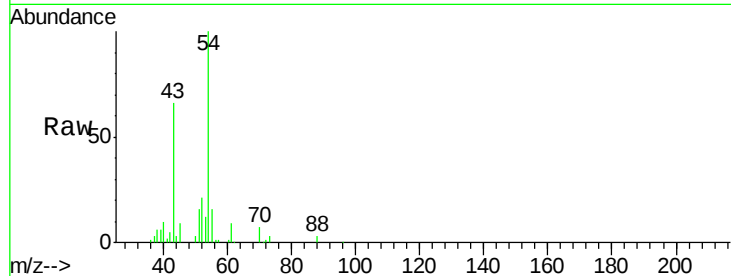
#37  
Ethyl Acetate  
Concen: 21.603 ug/l  
RT: 6.91 min Scan# 1598  
Delta R.T. 0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0923WBSD01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 43      | 100   |      |       |       |
| 61      | 12.6  | 10.7 | 16.1  |       |
| 70      | 9.4   | 7.6  | 11.4  |       |

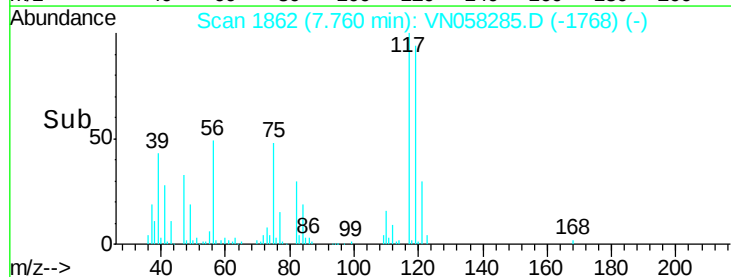
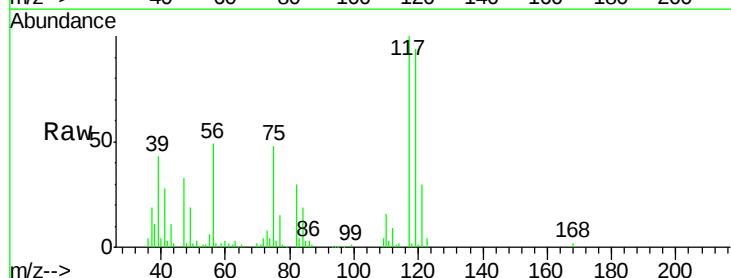
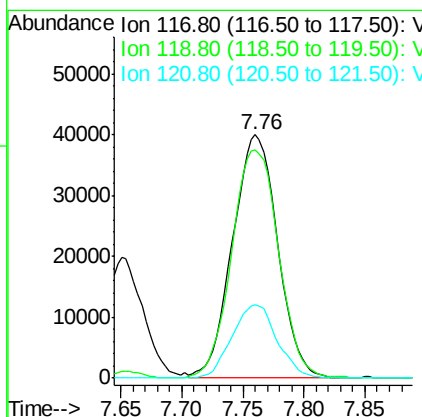
Manual Integrations  
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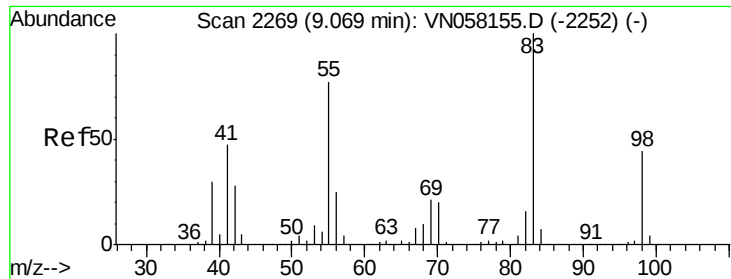
MMDadoda  
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#38  
Carbon Tetrachloride  
Concen: 18.606 ug/l  
RT: 7.76 min Scan# 1862  
Delta R.T. 0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 93.1  | 78.6 | 117.8 |       |
| 121     | 30.2  | 24.1 | 36.1  |       |





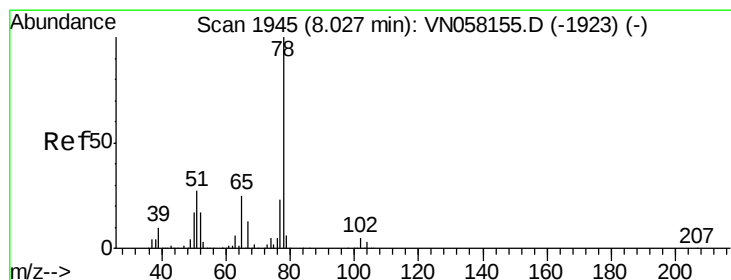
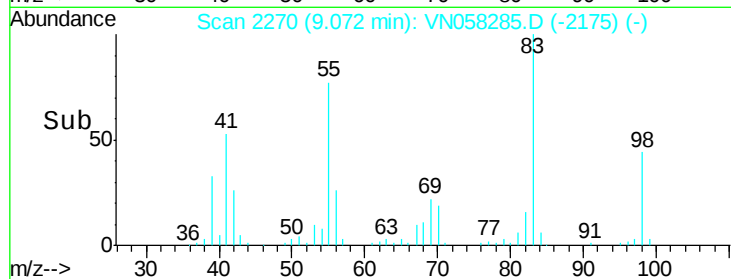
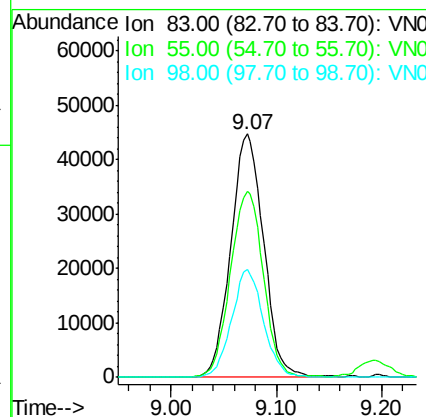
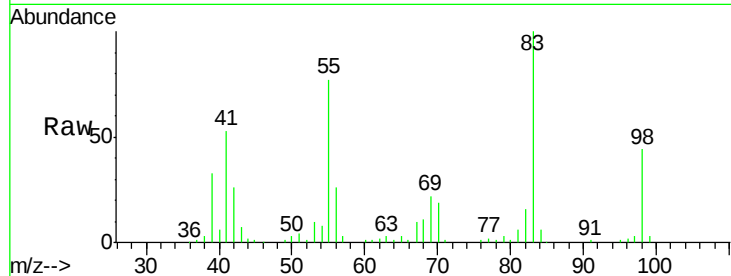
#39  
Methvlcvclohexane  
Concen: 18.248 ug/l  
RT: 9.07 min Scan# 2270  
Delta R.T. 0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0923WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 76.3  | 61.9  | 92.9  |
| 98      | 44.2  | 35.4  | 53.2  |

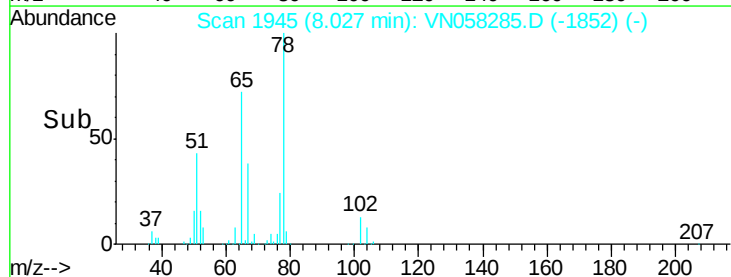
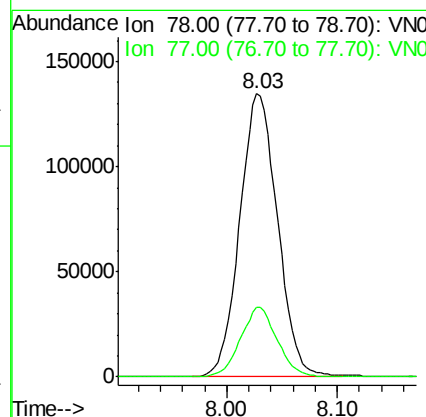
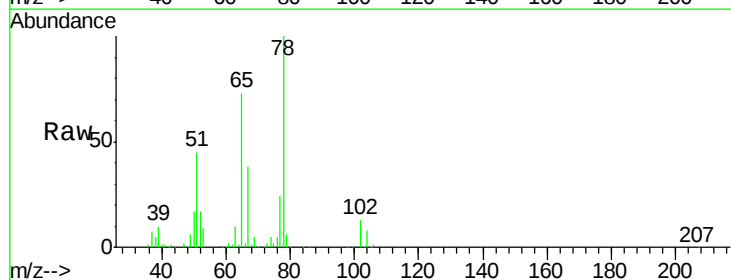
Manual Integrations  
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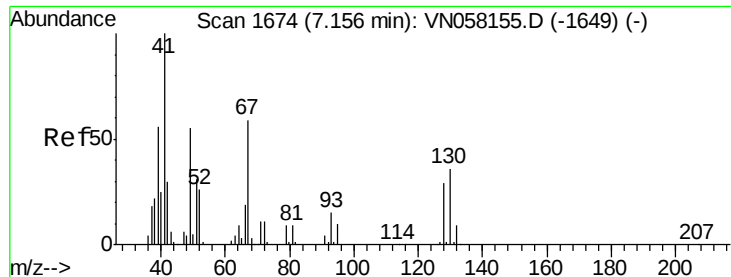
MMDadoda  
9/25/2019 12:47:37 AM



#40  
Benzene  
Concen: 19.052 ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. -0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.4  | 18.8  | 28.2  |





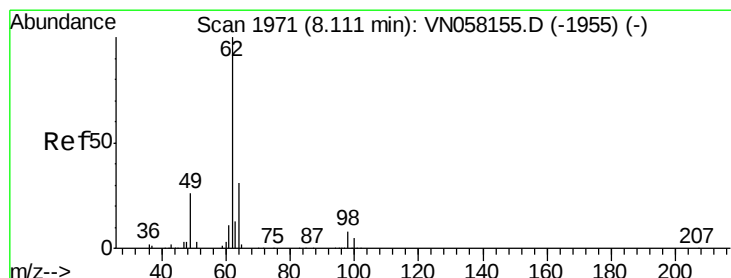
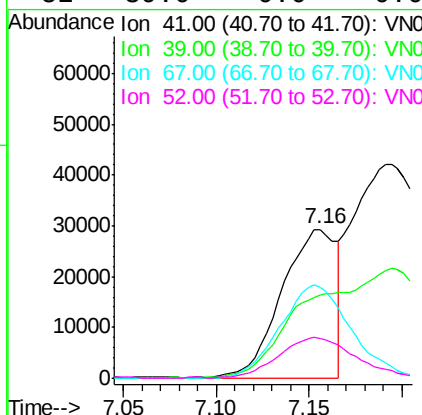
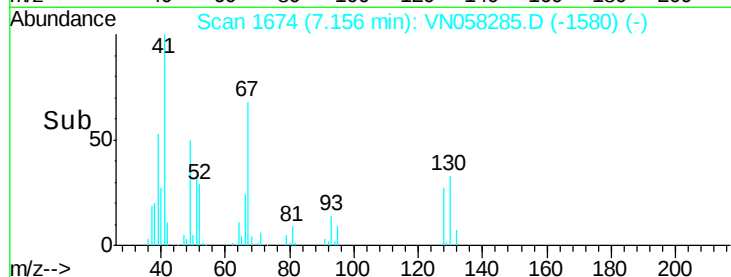
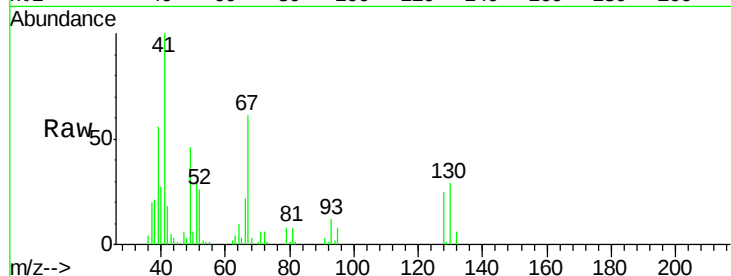
#41  
Methacrylonitrile  
Concen: 21.535 ug/l  
RT: 7.16 min Scan# 1674  
Delta R.T. 0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0923WBSD01

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 41      | 100  |       | 60200 |       |       |
| 39      | 0.0  | 0.0   | 0.0   |       |       |
| 67      | 81.4 | 0.0   | 0.0#  |       |       |
| 52      | 39.0 | 0.0   | 0.0#  |       |       |

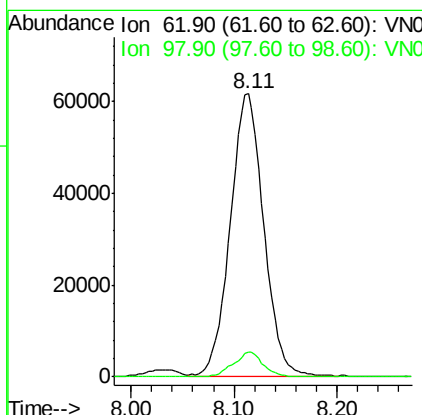
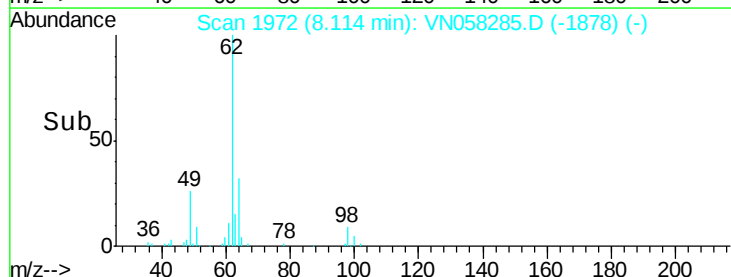
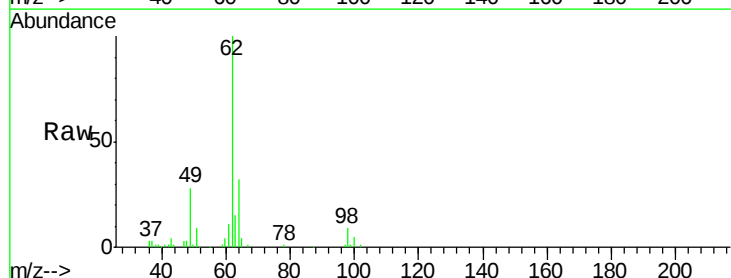
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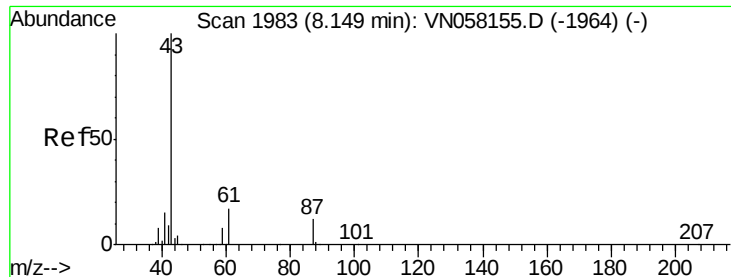
MMDadoda  
9/25/2019 12:47:37 AM



#42  
1,2-Dichloroethane  
Concen: 19.751 ug/l  
RT: 8.11 min Scan# 1972  
Delta R.T. 0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 62      | 100 |       | 138758 |       |       |
| 98      | 7.8 | 0.0   | 15.6   |       |       |





#43

Isopropyl Acetate

Concen: 19.485 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA\_N

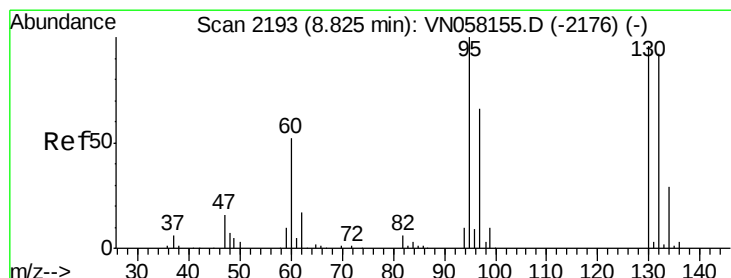
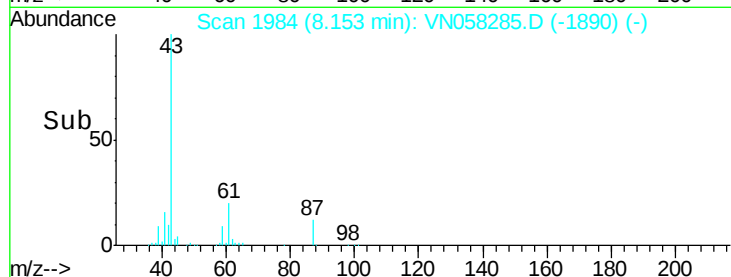
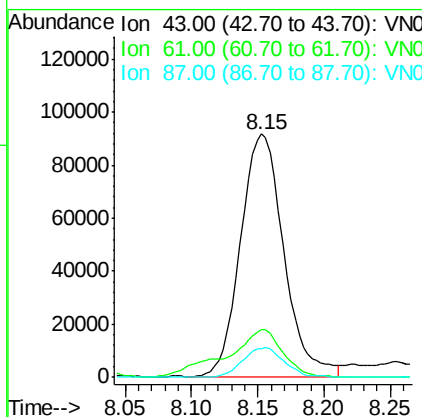
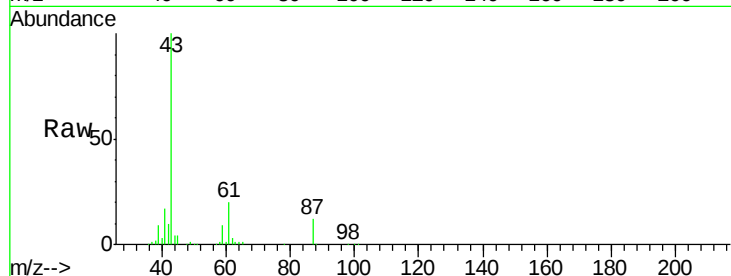
ClientSampleId :

VN0923WBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 207012 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 25.5  | 19.7  | 29.5   |
| 87       | 11.8  | 9.4   | 14.2   |

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9/25/2019 12:47:37 AM



#44

Trichloroethene

Concen: 19.274 ug/l

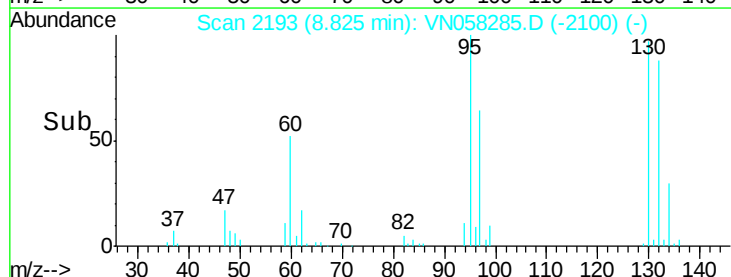
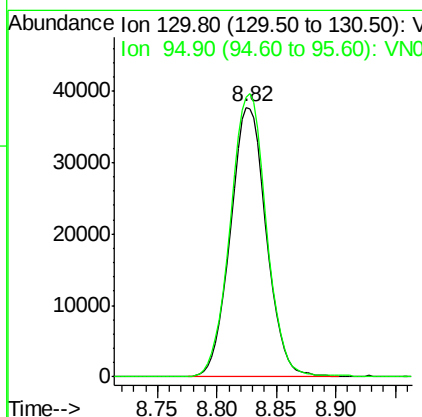
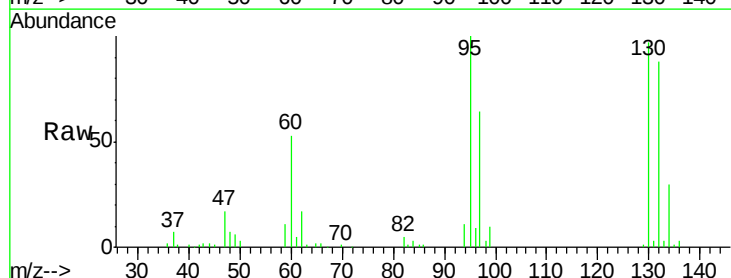
RT: 8.82 min Scan# 2193

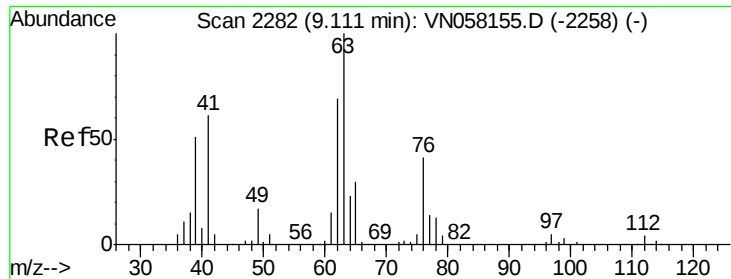
Delta R.T. -0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 78968 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 103.6 | 0.0   | 207.8 |





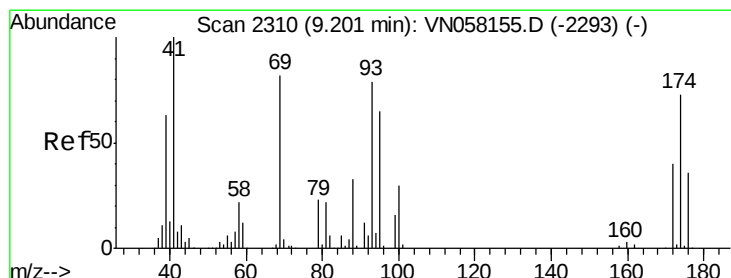
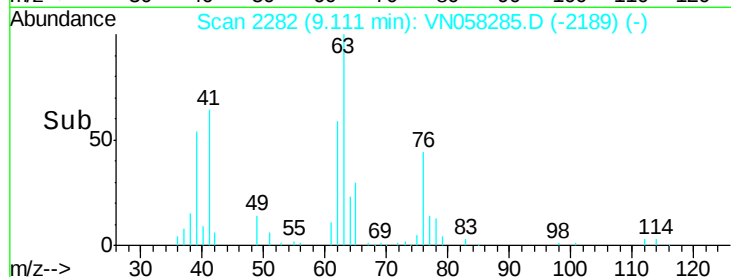
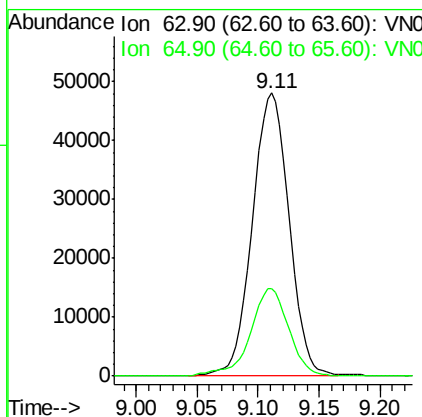
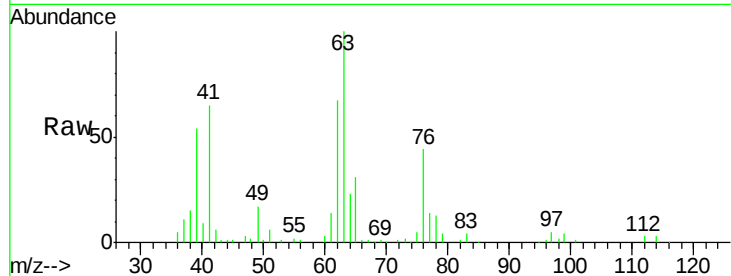
#45  
 1,2-Dichloropropane  
 Concen: 20.062 ug/l  
 RT: 9.11 min Scan# 2282  
 Delta R.T. -0.00 min  
 Lab File: VN058285.D  
 Acq: 23 Sep 2019 12:34

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0923WBSD01

| Tot Ion   | 63    | Resp  | 100307 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 63        | 100   |       |        |
| 65        | 31.0  | 23.8  | 35.6   |

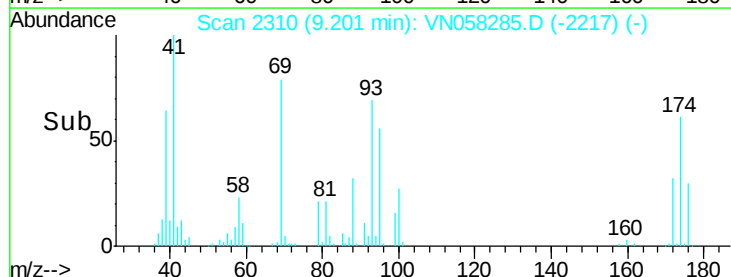
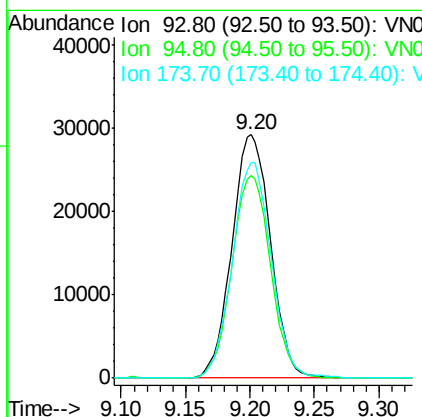
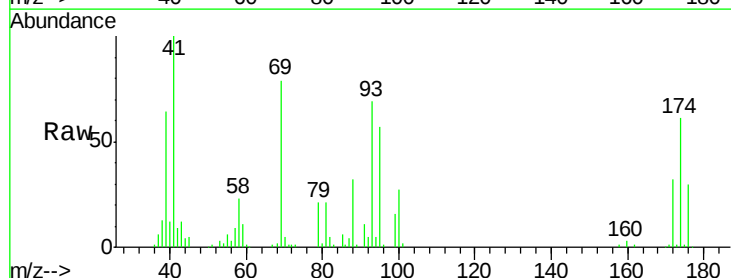
Manual Integrations  
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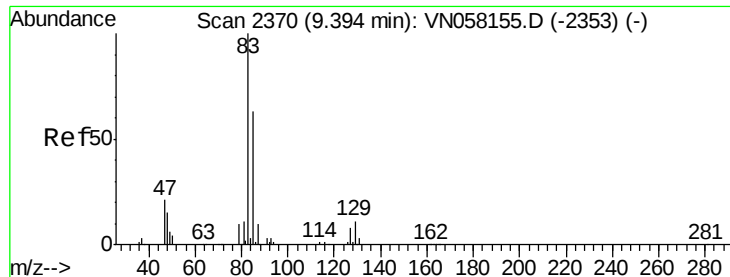
MMDadoda  
 9/25/2019 12:47:37 AM



#46  
 Dibromomethane  
 Concen: 19.970 ug/l  
 RT: 9.20 min Scan# 2310  
 Delta R.T. -0.00 min  
 Lab File: VN058285.D  
 Acq: 23 Sep 2019 12:34

| Tgt Ion   | 93    | Resp  | 60707 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 95        | 83.4  | 66.8  | 100.2 |
| 174       | 89.4  | 73.8  | 110.8 |





#47

Bromodichloromethane

Concen: 20.073 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA\_N

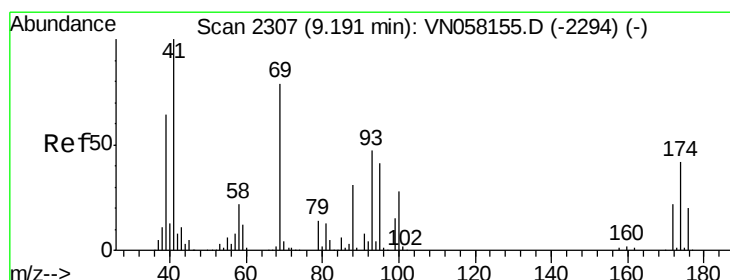
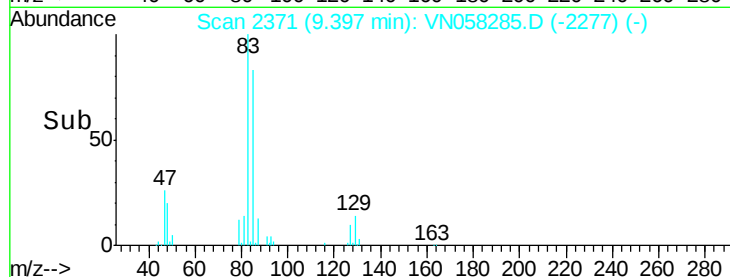
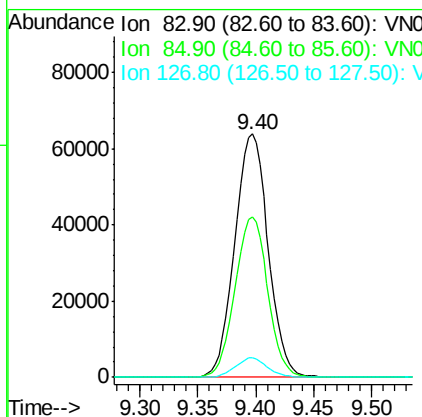
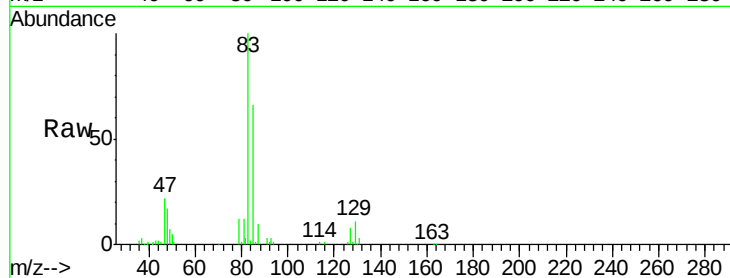
ClientSampleId :

VN0923WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 127833 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 65.8  | 50.1  | 75.1   |
| 127       | 8.2   | 6.4   | 9.6    |

Manual Integrations  
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MMDadoda  
9/25/2019 12:47:37 AM



#48

Methyl methacrylate

Concen: 20.364 ug/l

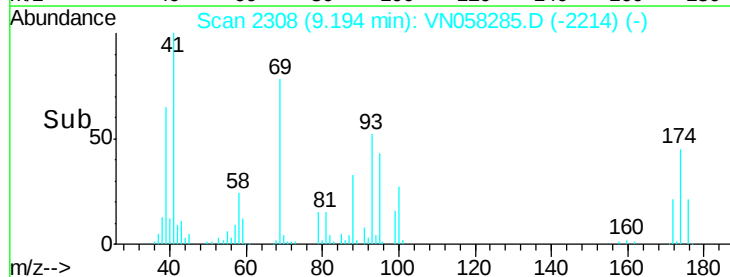
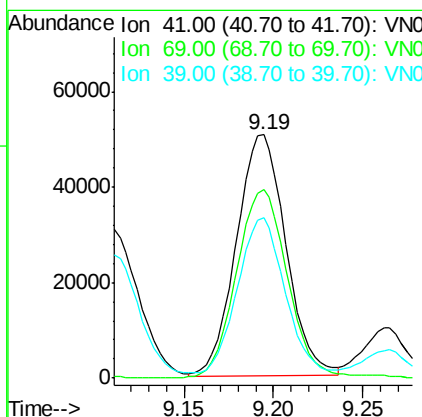
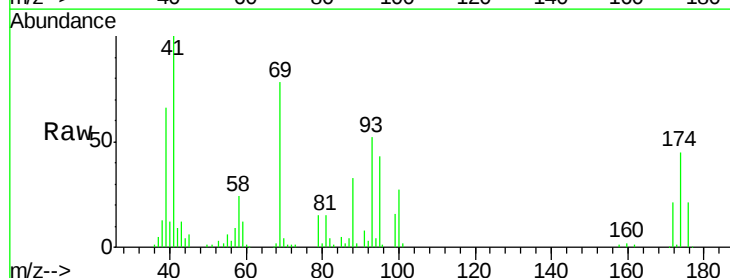
RT: 9.19 min Scan# 2308

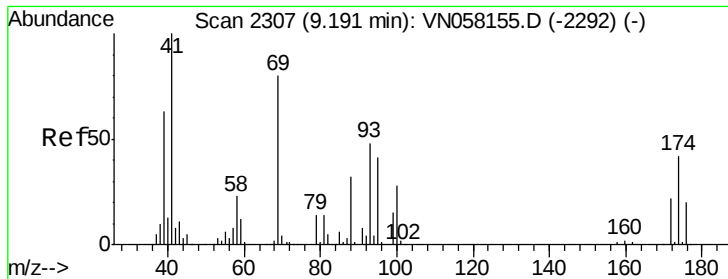
Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 98233 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 80.3  | 62.5  | 93.7  |
| 39        | 64.3  | 52.3  | 78.5  |





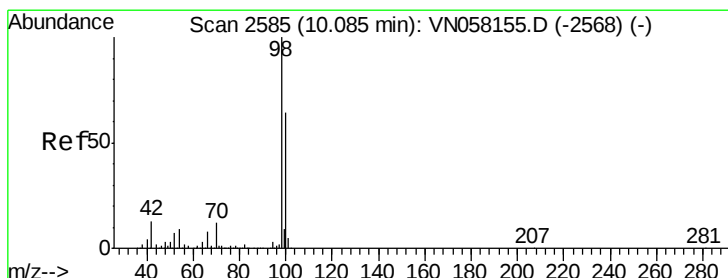
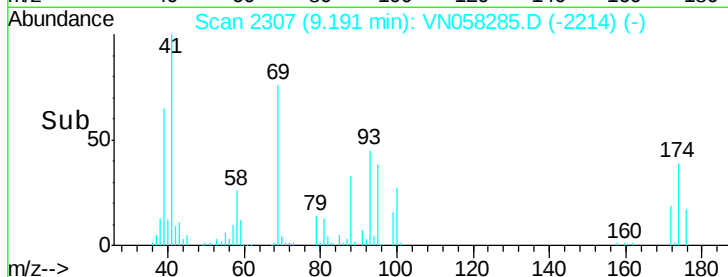
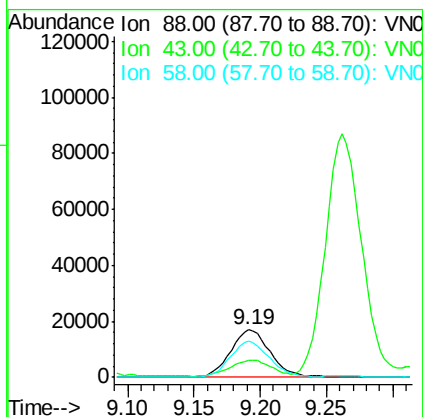
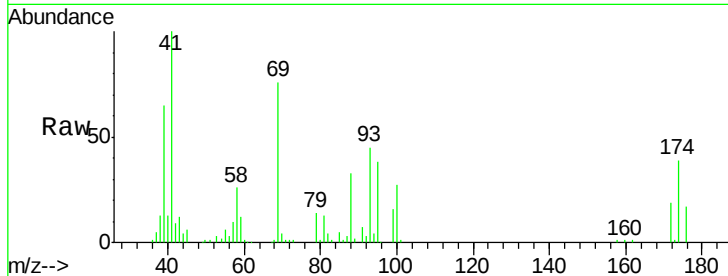
#49  
1,4-Dioxane  
Concen: 446.565 ug/l  
RT: 9.19 min Scan# 2307  
Delta R.T. -0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0923WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 35.5  | 27.8  | 41.8  |
| 58      | 75.1  | 55.0  | 82.4  |

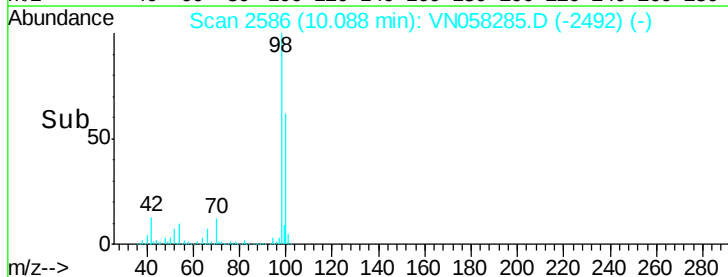
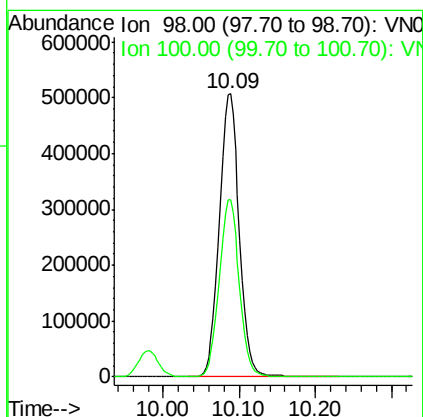
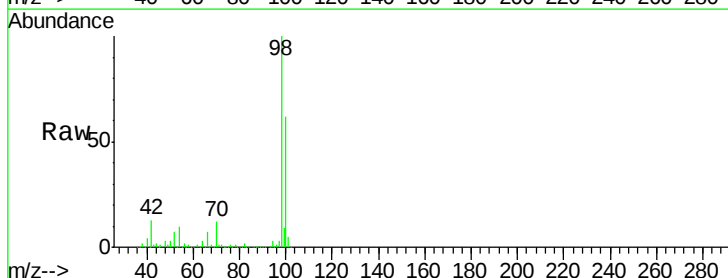
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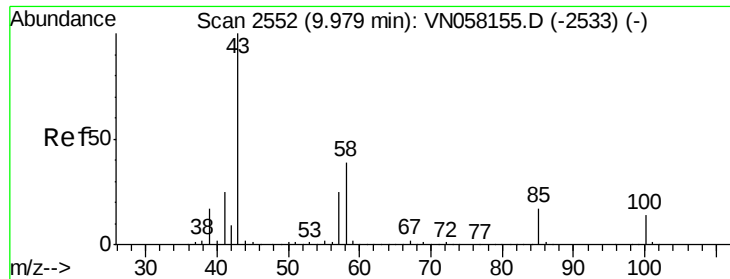
MMDadoda  
9/25/2019 12:47:37 AM



#50  
Toluene-d8  
Concen: 51.288 ug/l  
RT: 10.09 min Scan# 2586  
Delta R.T. 0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.2  | 51.1  | 76.7  |





#51

4-Methyl-2-Pentanone

Concen: 117.564 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA\_N

ClientSampleId :

VN0923WBSD01

Tot Ion: 43 Resp: 663423

Ion Ratio Lower Upper

43 100

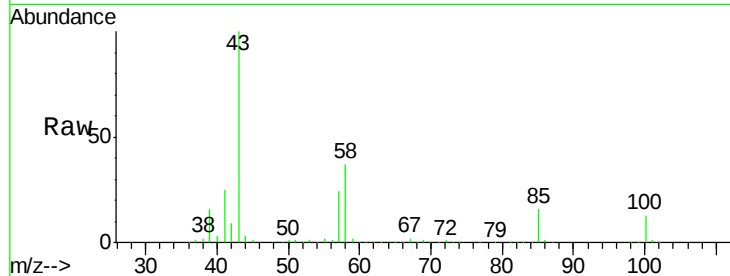
58 37.0 30.2 45.4

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

400000

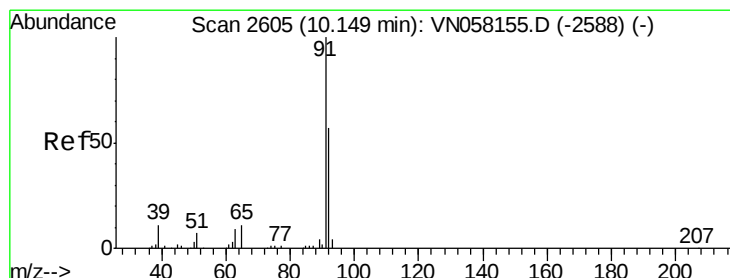
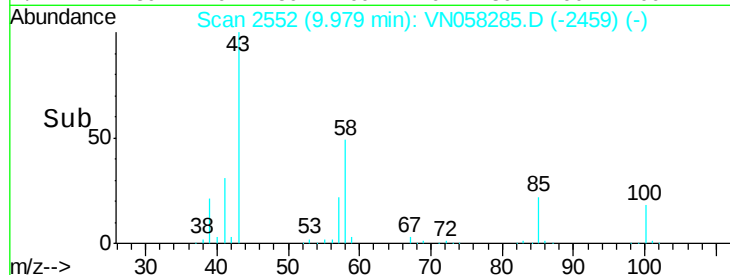
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.494 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058285.D

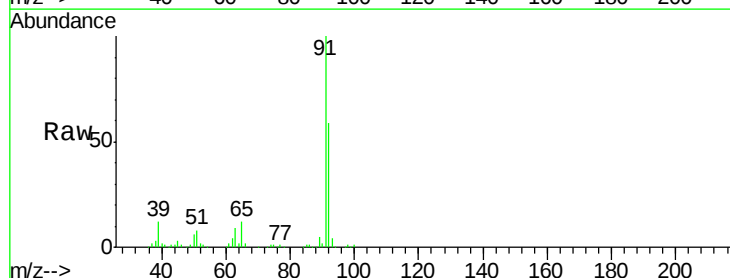
Acq: 23 Sep 2019 12:34

Tgt Ion: 92 Resp: 204550

Ion Ratio Lower Upper

92 100

91 171.5 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

200000

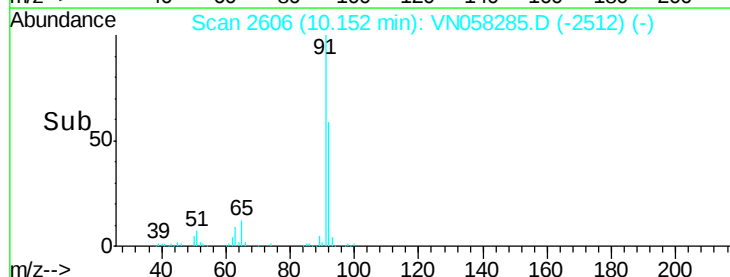
150000

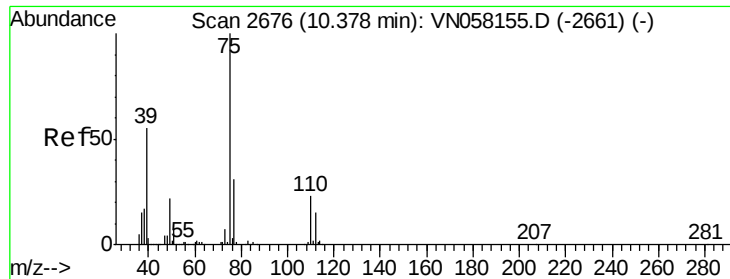
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.868 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA\_N

ClientSampleId :

VN0923WBSD01

Tot Ion: 75 Resp: 123085

Ion Ratio Lower Upper

75 100

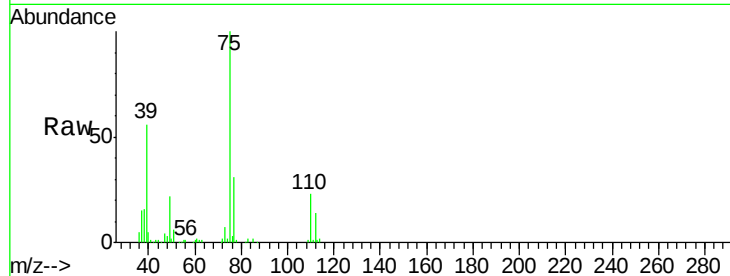
77 31.4 24.9 37.3

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

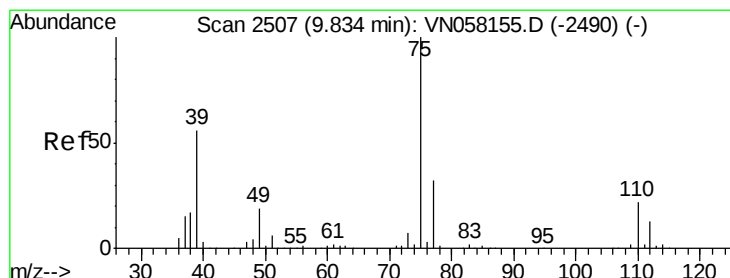
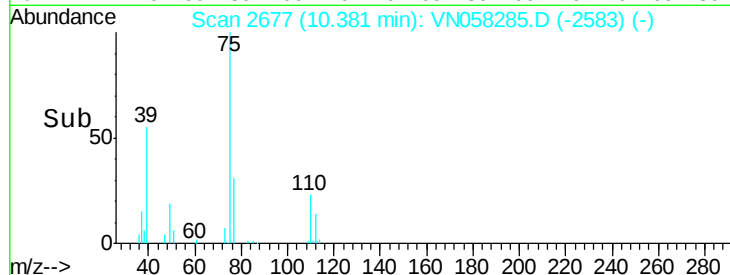
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.386 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

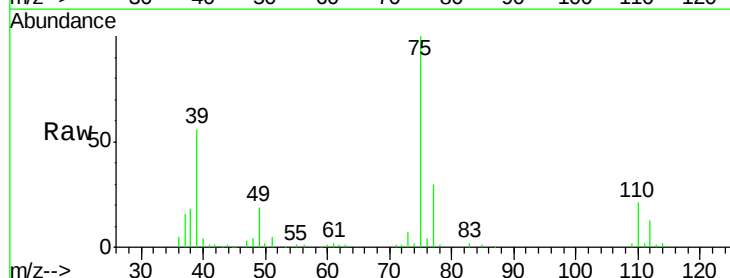
Tgt Ion: 75 Resp: 139625

Ion Ratio Lower Upper

75 100

77 29.9 25.4 38.0

39 55.8 45.0 67.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

100000

80000

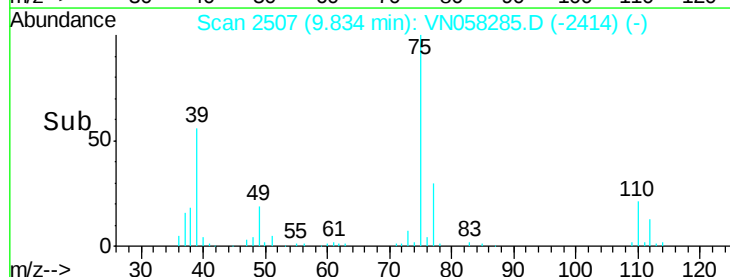
60000

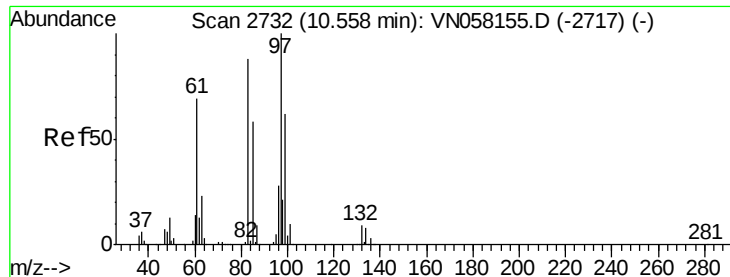
40000

20000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.909 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA\_N

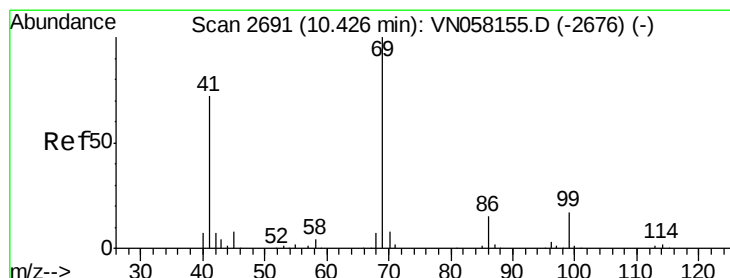
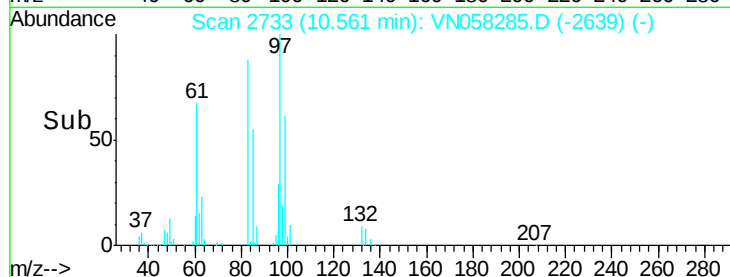
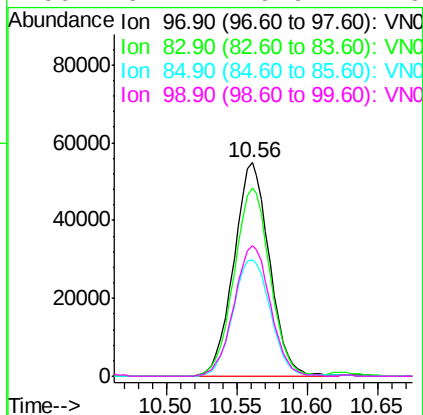
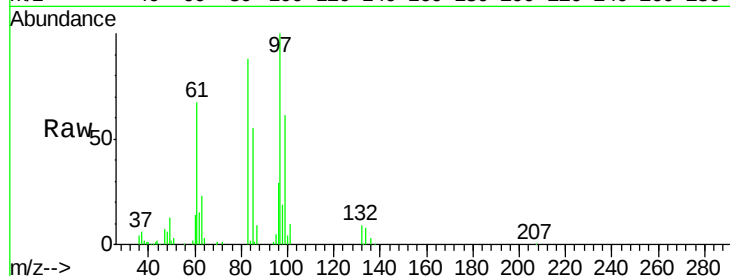
ClientSampleId :

VN0923WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 97359 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 88.2  | 70.4  | 105.6 |
| 85       | 54.6  | 46.8  | 70.2  |
| 99       | 61.1  | 49.9  | 74.9  |

Manual Integrations  
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9/25/2019 12:47:37 AM



#56

Ethyl methacrylate

Concen: 20.283 ug/l

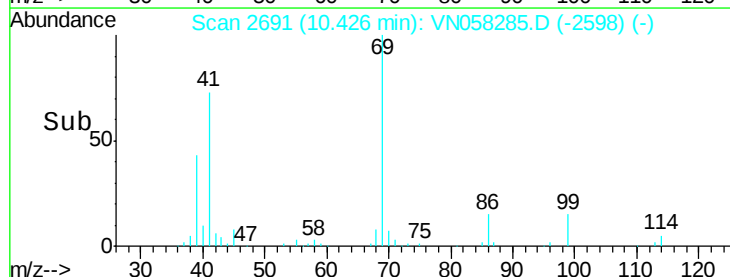
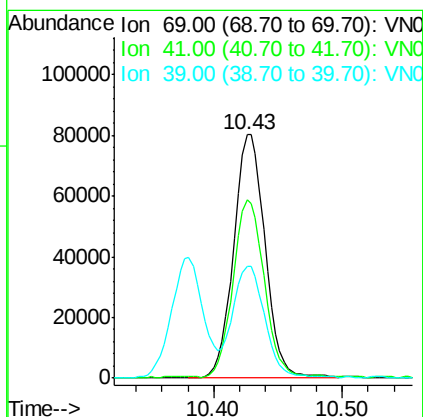
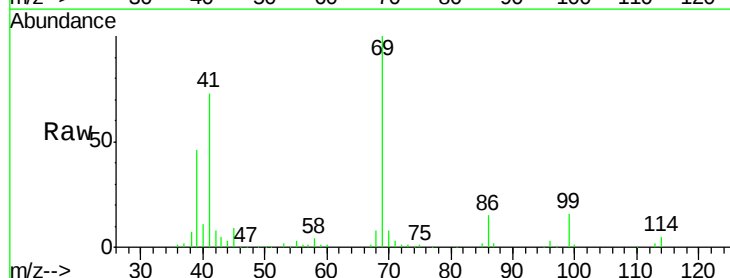
RT: 10.43 min Scan# 2691

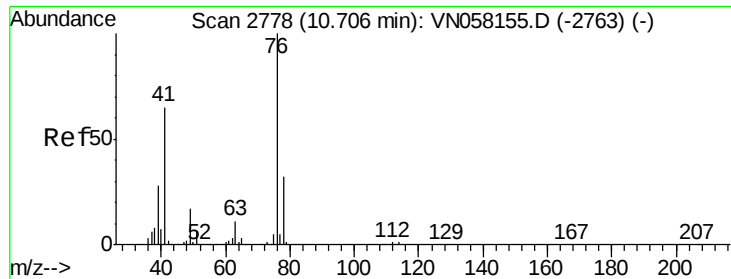
Delta R.T. -0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 136272 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 71.6  | 57.5  | 86.3   |
| 39       | 47.1  | 36.1  | 54.1   |





#57

1,3-Dichloropropane

Concen: 20.339 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA\_N

ClientSampleId :

VN0923WBSD01

Tot Ion: 76 Resp: 162812

Ion Ratio Lower Upper

76 100

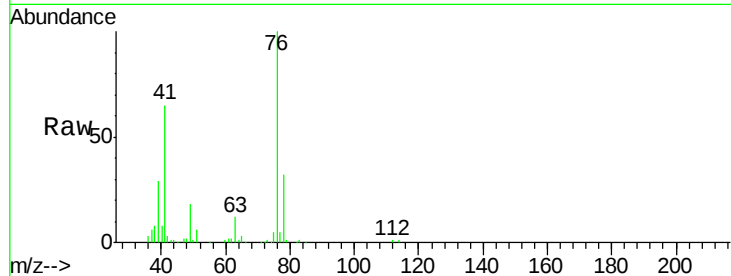
78 31.9 25.4 38.0

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

80000

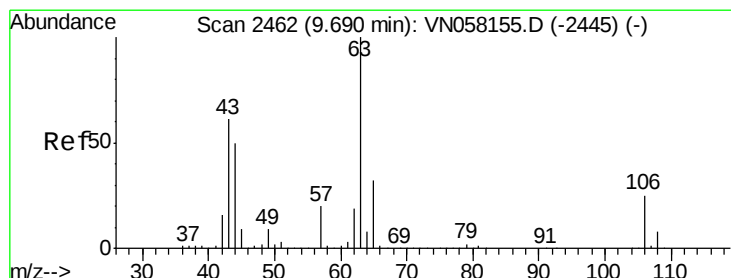
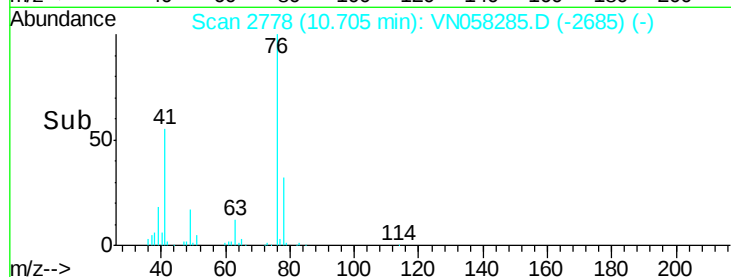
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 108.583 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058285.D

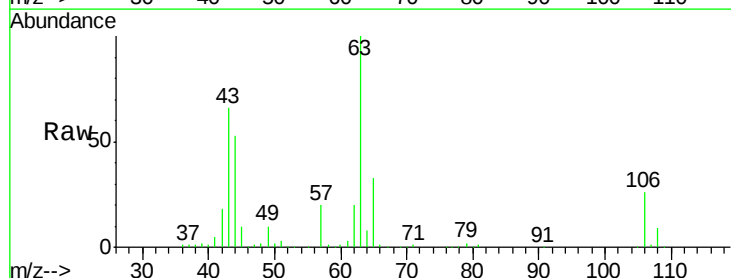
Acq: 23 Sep 2019 12:34

Tgt Ion: 63 Resp: 347483

Ion Ratio Lower Upper

63 100

106 25.2 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

200000

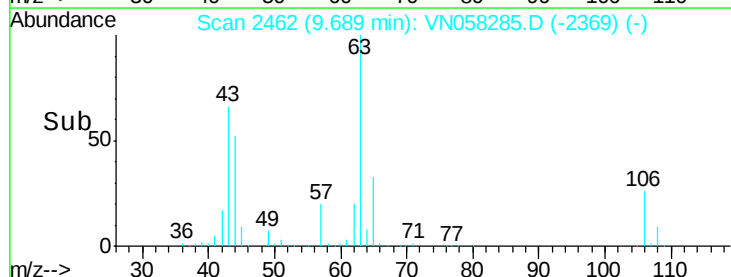
150000

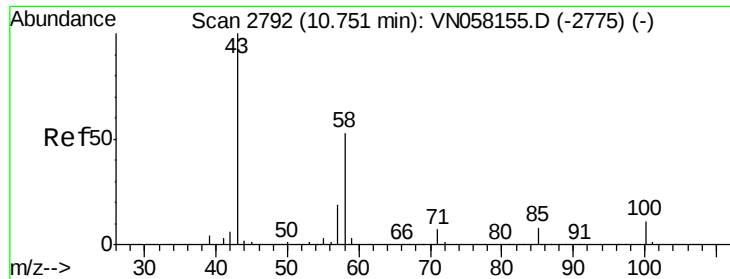
100000

50000

0

Time--> 9.60 9.65 9.70 9.75





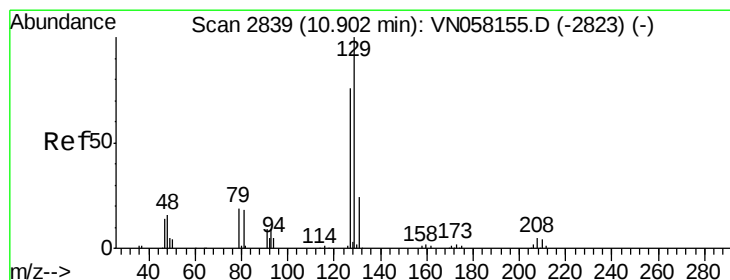
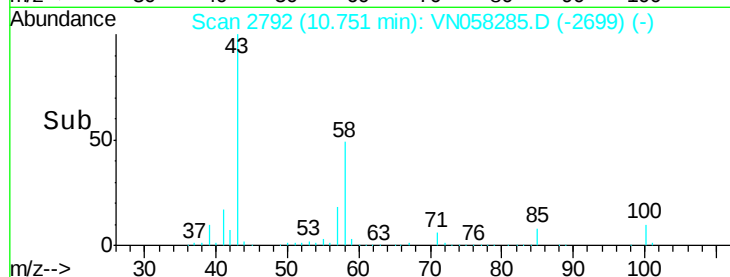
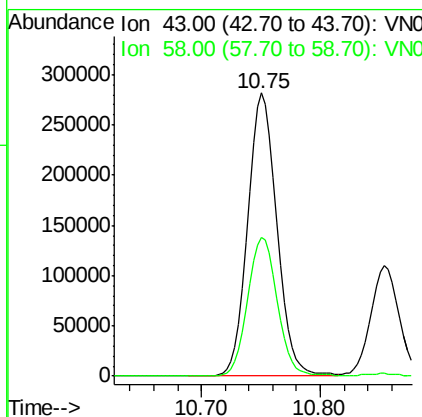
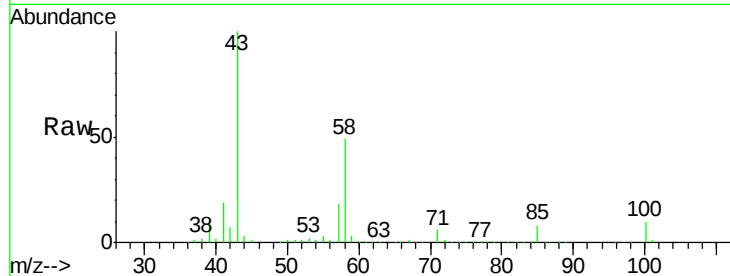
#59  
2-Hexanone  
Concen: 113.574 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0923WBSD01

Tot Ion: 43 Resp: 475994  
Ion Ratio Lower Upper  
43 100  
58 50.3 26.0 78.0

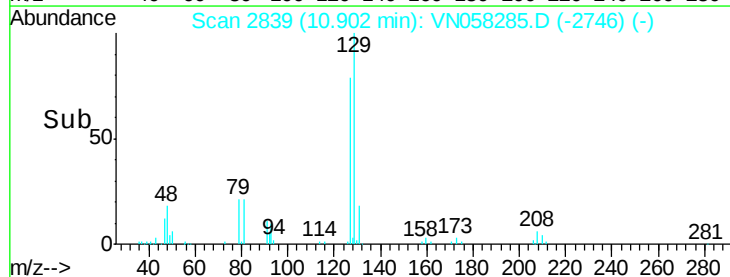
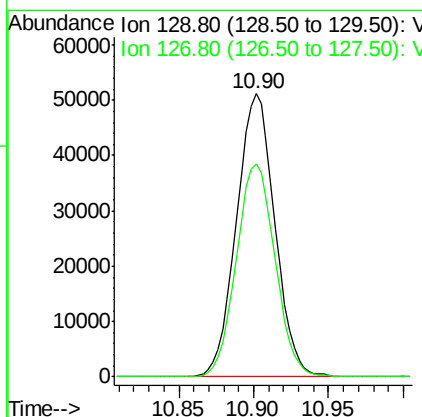
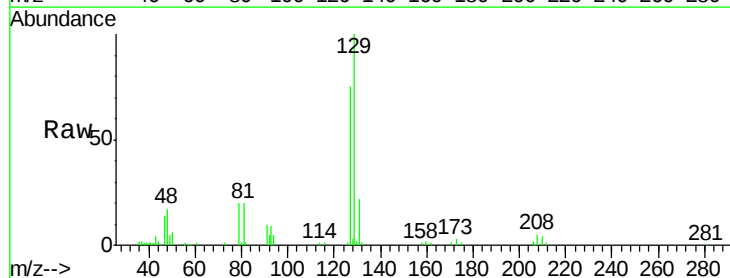
Manual Integrations  
APPROVED

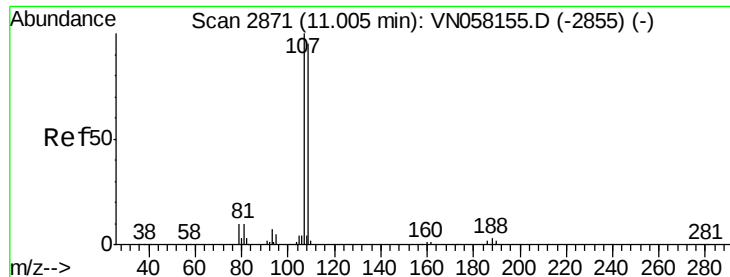
MMDadoda  
9/25/2019 12:47:37 AM



#60  
Dibromochloromethane  
Concen: 20.364 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. -0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

Tgt Ion: 129 Resp: 91223  
Ion Ratio Lower Upper  
129 100  
127 76.1 38.7 116.1





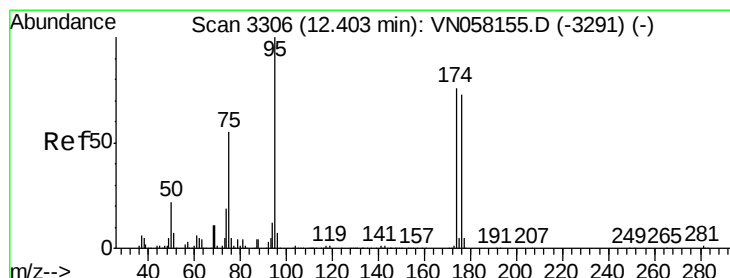
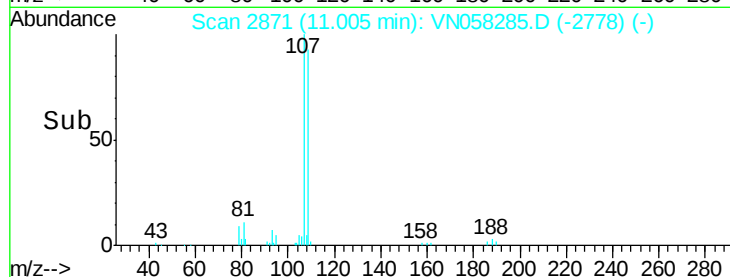
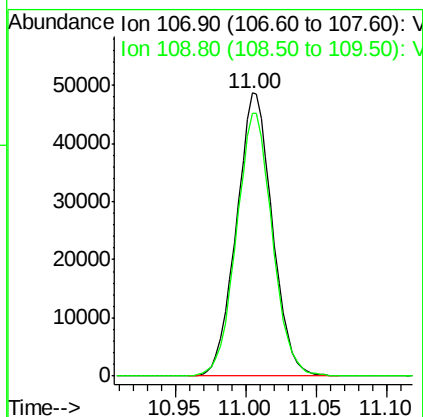
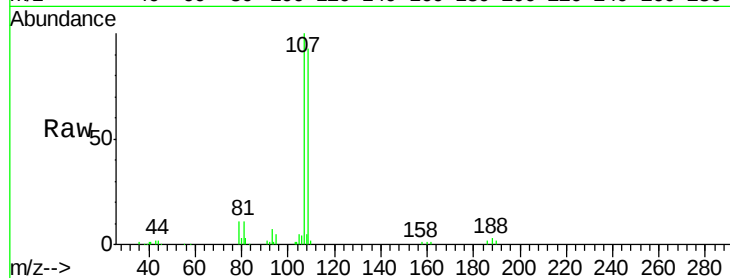
#61  
 1,2-Dibromoethane  
 Concen: 20.098 ug/l  
 RT: 11.00 min Scan# 2871  
 Delta R.T. -0.00 min  
 Lab File: VN058285.D  
 Acq: 23 Sep 2019 12:34

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0923WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.0  | 75.4  | 113.2 |

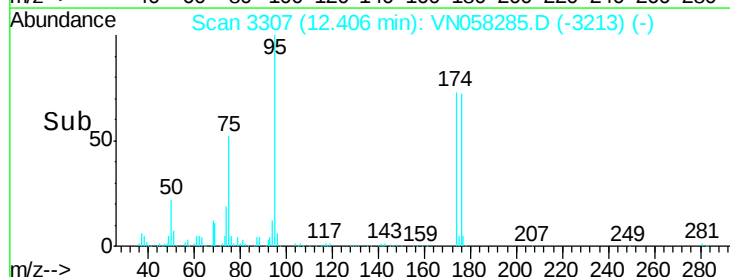
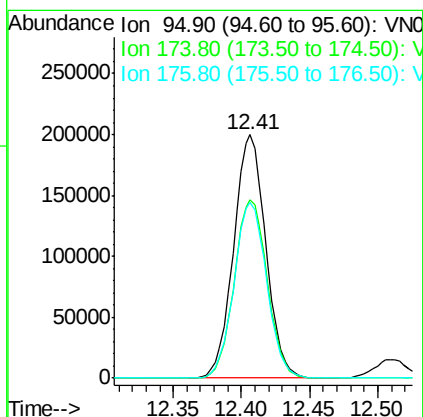
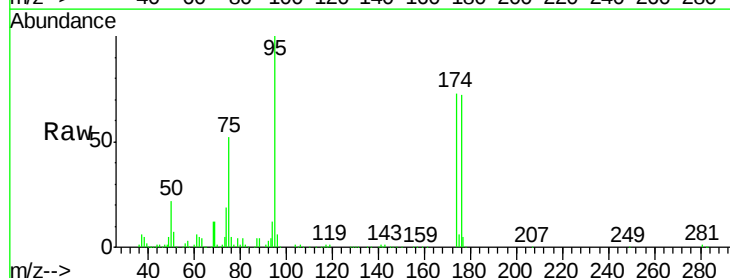
Manual Integrations  
 APPROVED

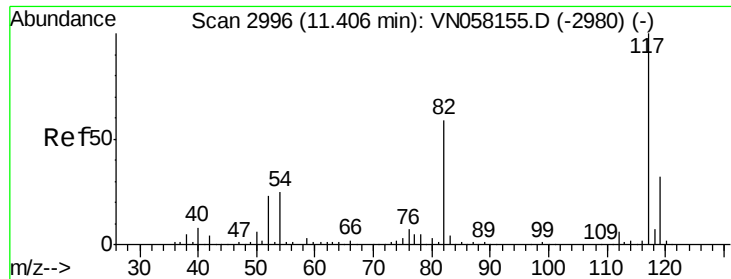
MMDadoda  
 9/25/2019 12:47:37 AM



#62  
 4-Bromofluorobenzene  
 Concen: 48.729 ug/l  
 RT: 12.41 min Scan# 3307  
 Delta R.T. 0.00 min  
 Lab File: VN058285.D  
 Acq: 23 Sep 2019 12:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 75.4  | 0.0   | 152.2 |
| 176     | 73.3  | 0.0   | 148.0 |





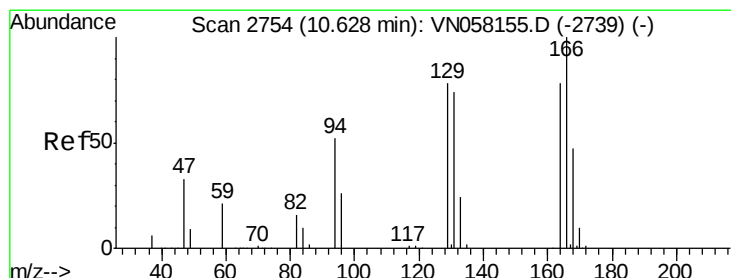
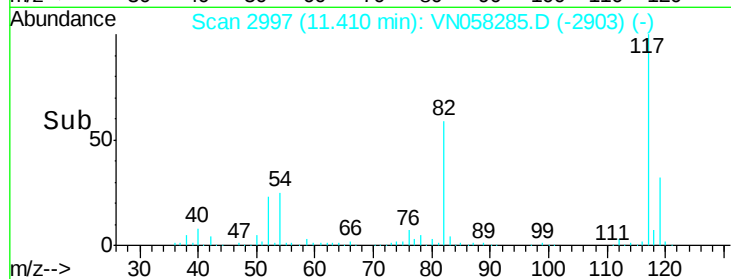
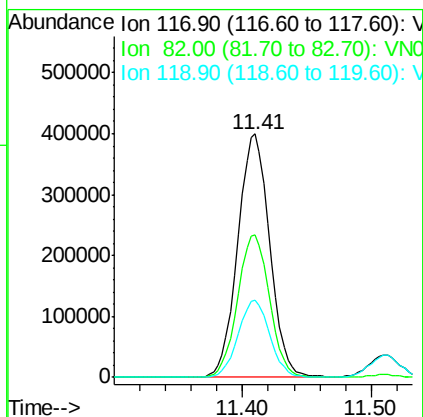
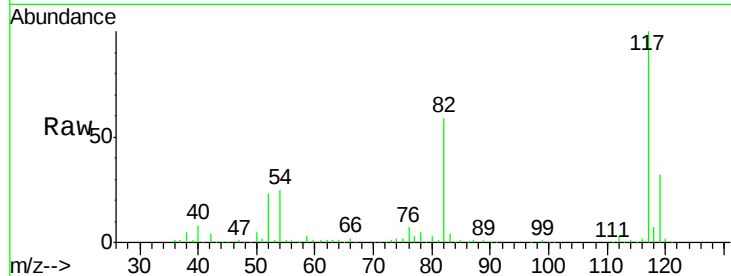
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0923WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 58.6  | 46.9  | 70.3  |
| 119     | 31.6  | 25.3  | 37.9  |

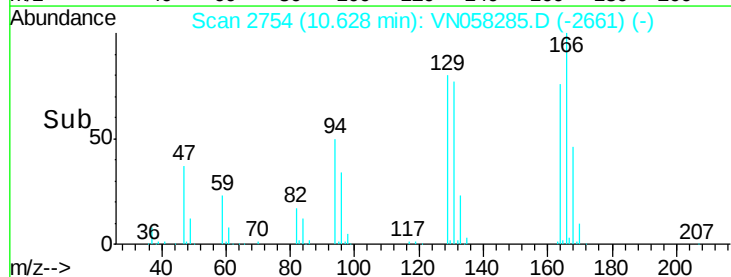
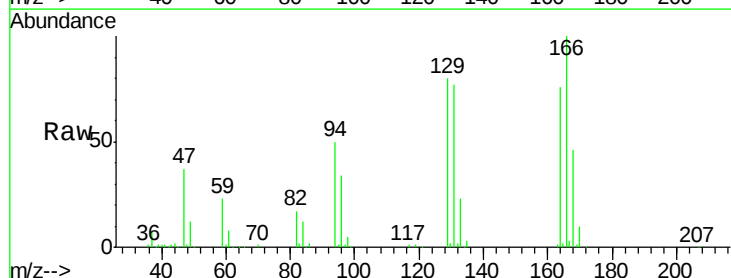
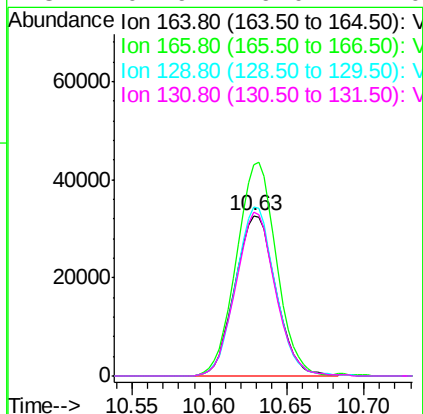
Manual Integrations  
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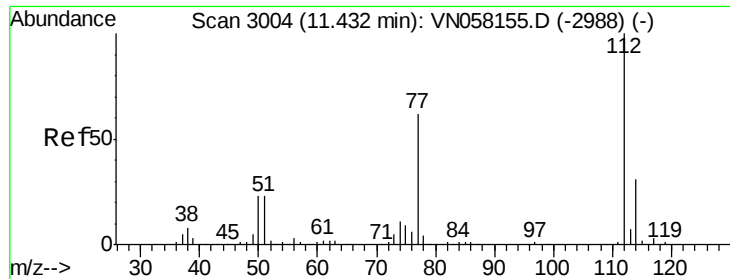
MMDadoda  
9/25/2019 12:47:37 AM



#64  
Tetrachloroethene  
Concen: 17.938 ug/l  
RT: 10.63 min Scan# 2754  
Delta R.T. -0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 131.6 | 102.2 | 153.4 |
| 129     | 105.2 | 79.6  | 119.4 |
| 131     | 101.9 | 76.0  | 114.0 |





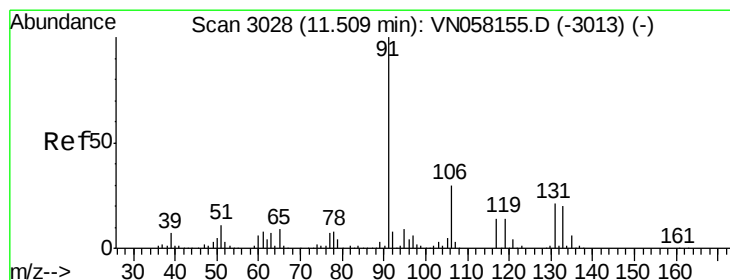
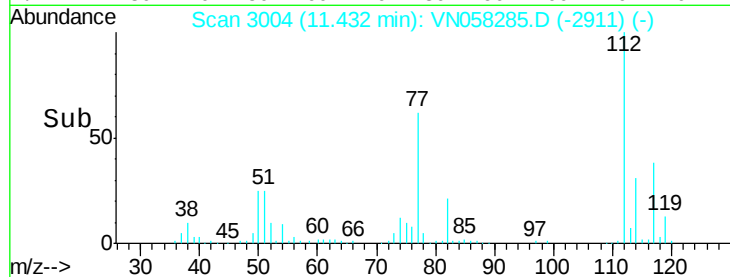
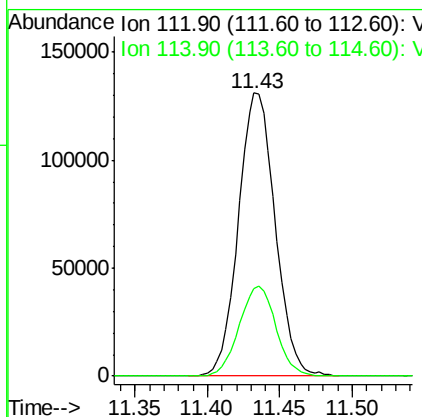
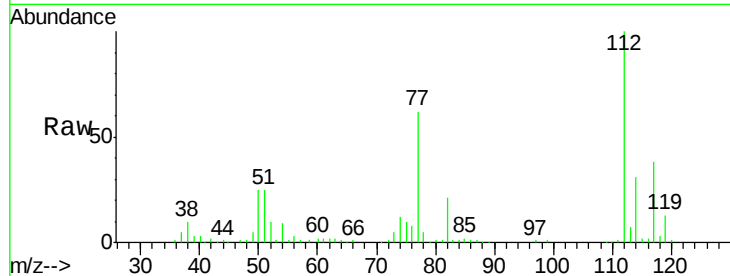
#65  
Chlorobenzene  
Concen: 19.053 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. -0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0923WBSD01

Tot Ion:112 Resp: 230938  
Ion Ratio Lower Upper  
112 100  
114 31.0 25.1 37.7

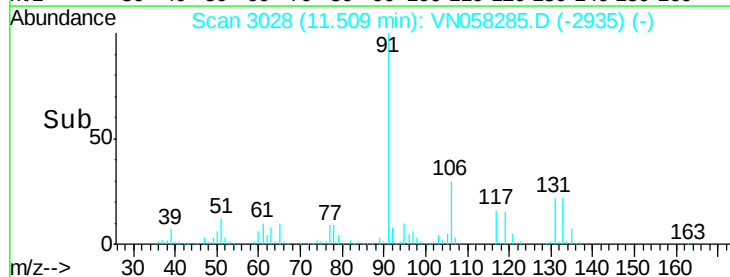
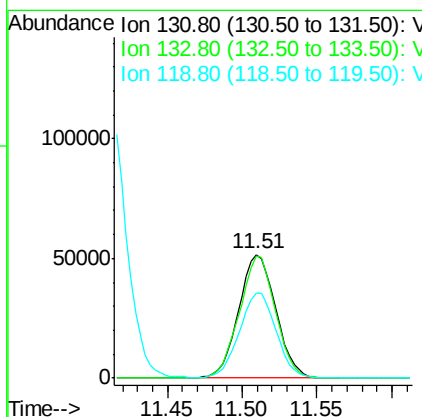
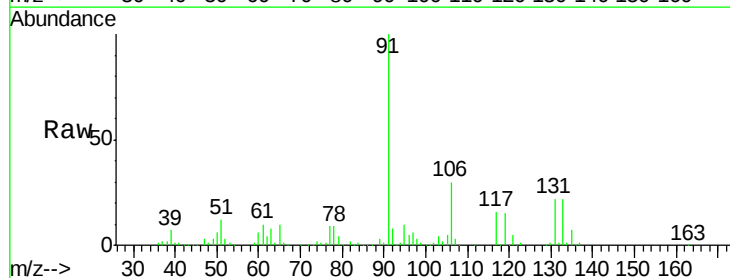
Manual Integrations  
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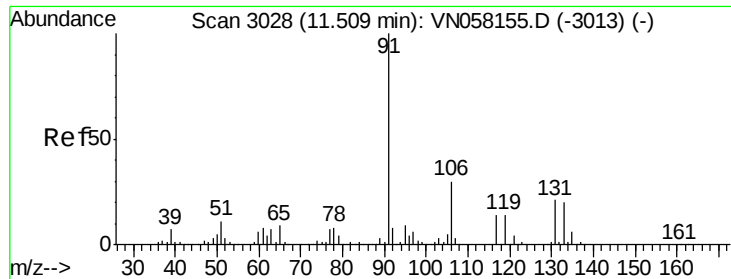
MMDadoda  
9/25/2019 12:47:37 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.317 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

Tgt Ion:131 Resp: 89292  
Ion Ratio Lower Upper  
131 100  
133 95.7 47.8 143.3  
119 67.9 33.1 99.3





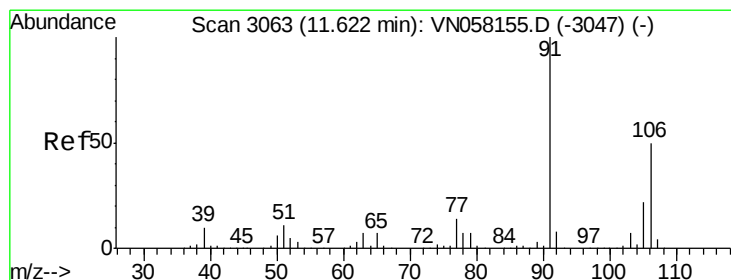
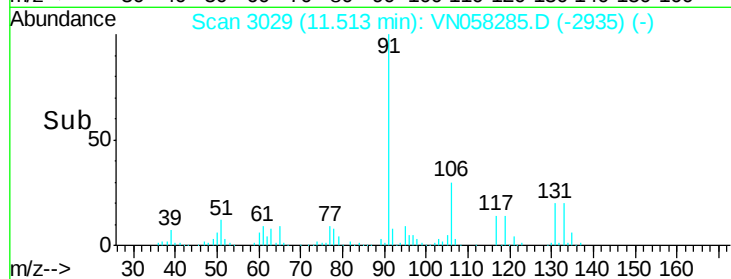
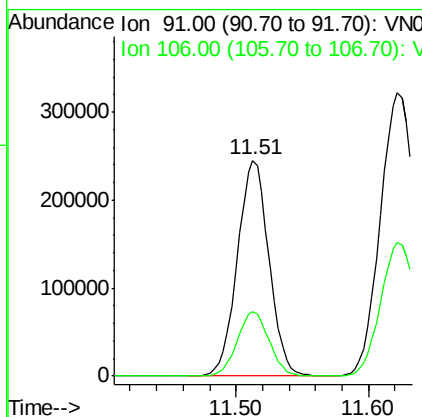
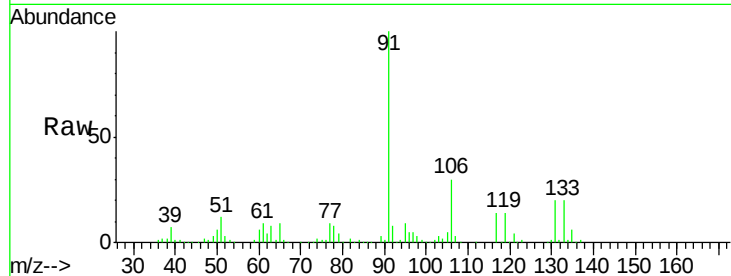
#67  
Ethyl Benzene  
Concen: 19.509 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0923WBSD01

Tot Ion: 91 Resp: 405181  
Ion Ratio Lower Upper  
91 100  
106 29.9 24.0 36.0

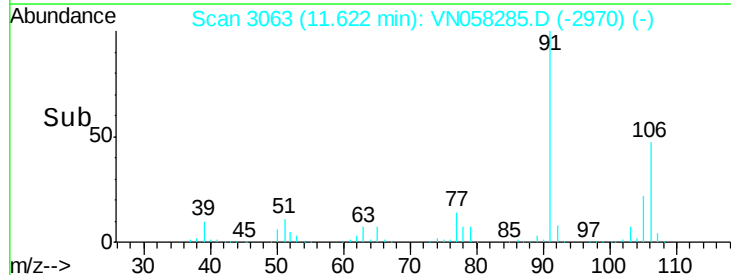
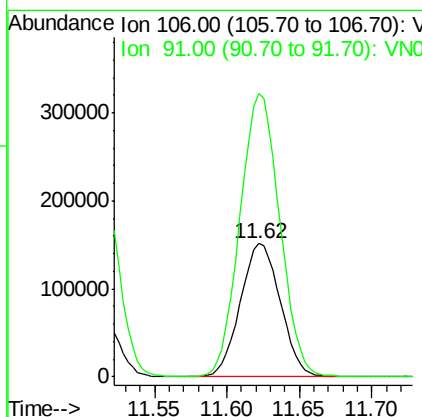
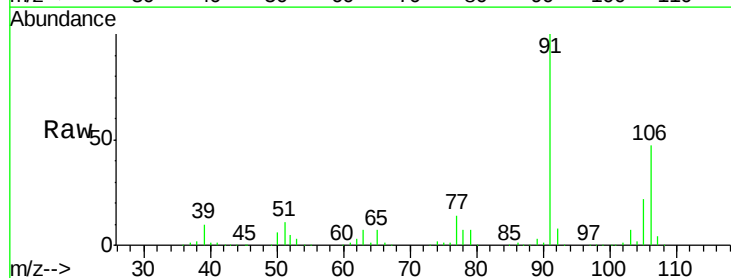
Manual Integrations  
APPROVED

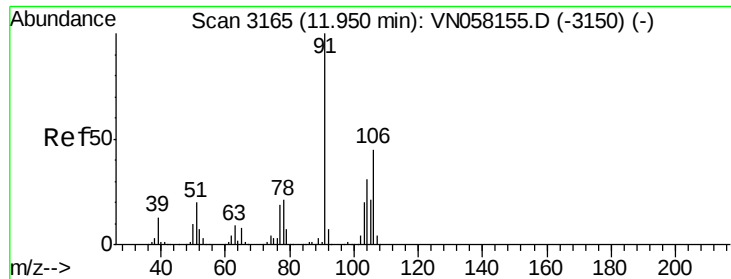
MMDadoda  
9/25/2019 12:47:37 AM



#68  
m/p-Xylenes  
Concen: 37.063 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. -0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

Tgt Ion: 106 Resp: 289909  
Ion Ratio Lower Upper  
106 100  
91 211.5 163.6 245.4





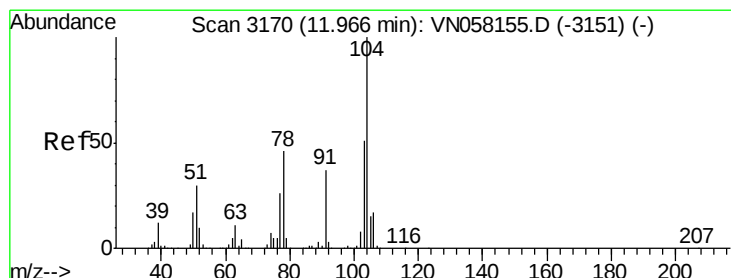
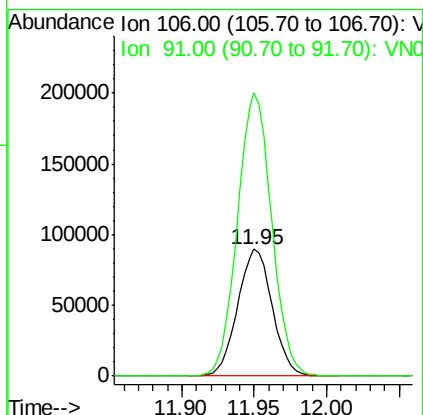
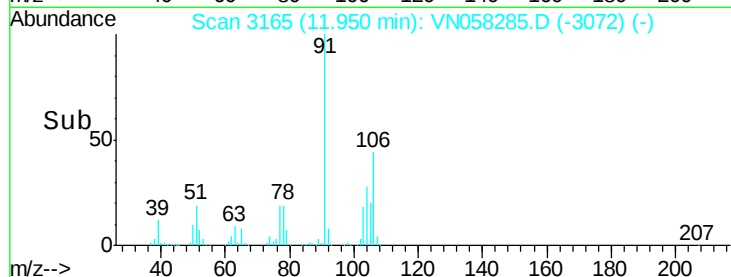
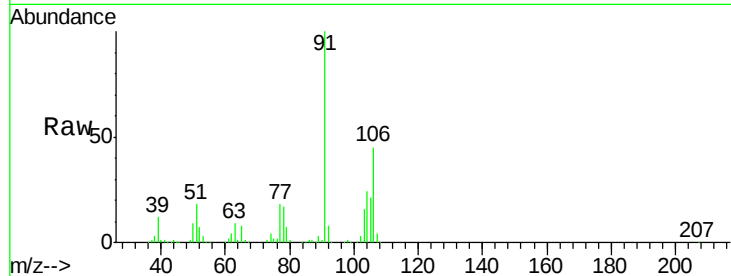
#69  
o-Xylene  
Concen: 19.390 ug/l  
RT: 11.95 min Scan# 3165  
Delta R.T. -0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0923WBSD01

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 149139 |       |       |
| 91      | 220.3 | 111.8 | 335.3  |       |       |

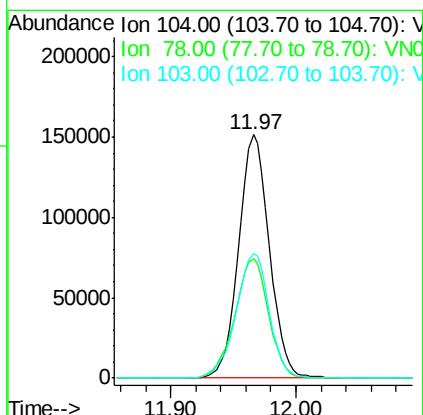
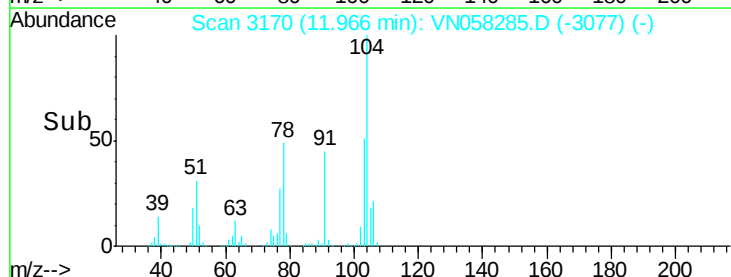
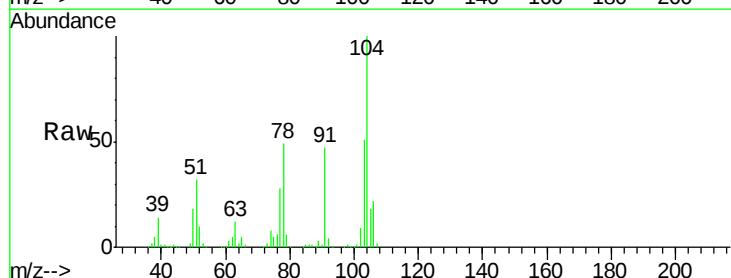
Manual Integrations  
APPROVED

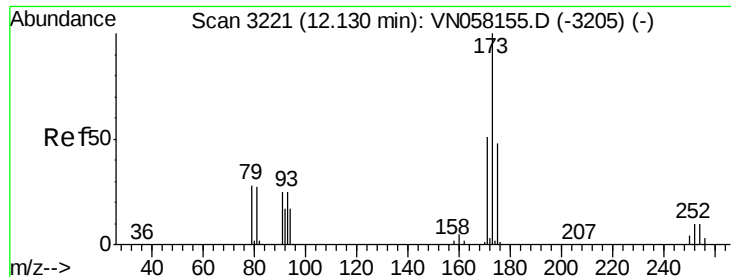
MMDadoda  
9/25/2019 12:47:37 AM



#70  
Styrene  
Concen: 19.376 ug/l  
RT: 11.97 min Scan# 3170  
Delta R.T. -0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       | 256775 |       |       |
| 78      | 53.9 | 41.8  | 62.8   |       |       |
| 103     | 55.5 | 44.2  | 66.2   |       |       |





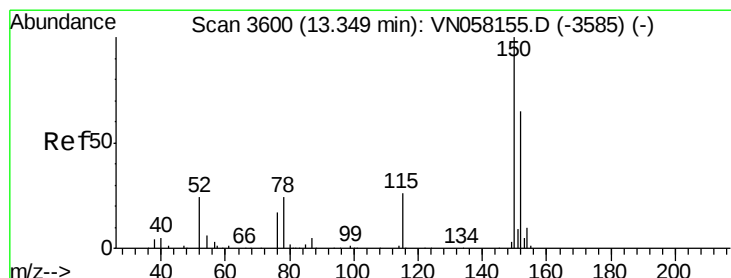
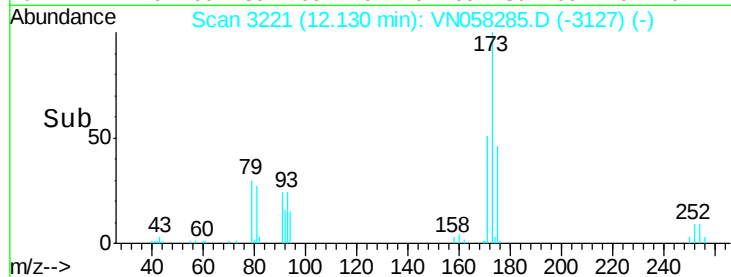
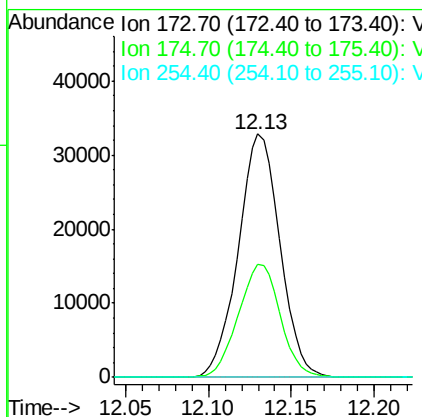
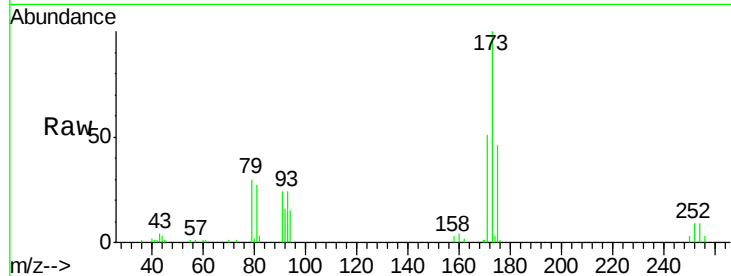
#71  
Bromoform  
Concen: 19.938 ug/l  
RT: 12.13 min Scan# 3221  
Delta R.T. 0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0923WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 46.8  | 24.2  | 72.6  |
| 254     | 0.0   | 0.1   | 0.1#  |

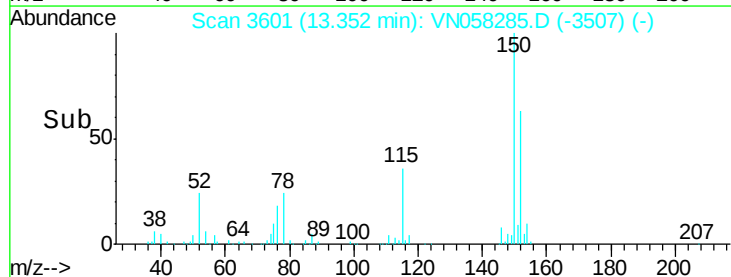
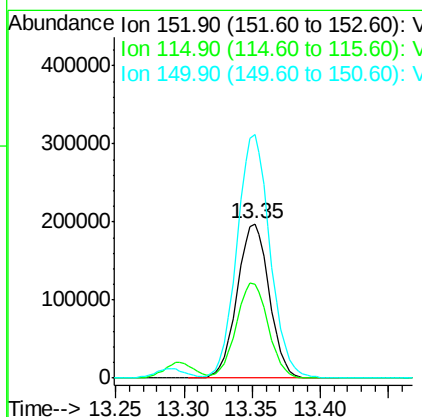
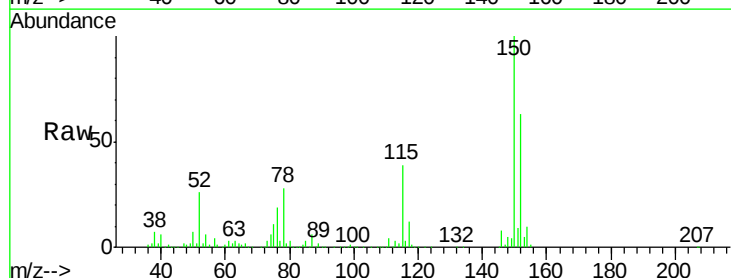
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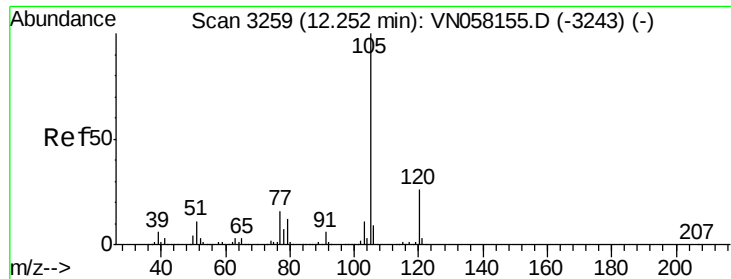
MMDadoda  
9/25/2019 12:47:37 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3601  
Delta R.T. 0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 61.3  | 30.1  | 90.3  |
| 150     | 161.9 | 0.0   | 346.4 |





#73

Isopropylbenzene

Concen: 20.852 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA\_N

ClientSampleId :

VN0923WBSD01

Tot Ion: 105 Resp: 421739

Ion Ratio Lower Upper

105 100

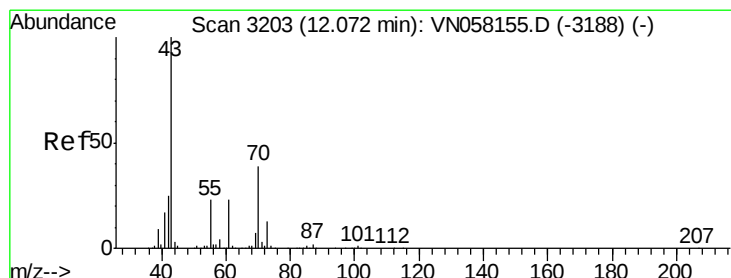
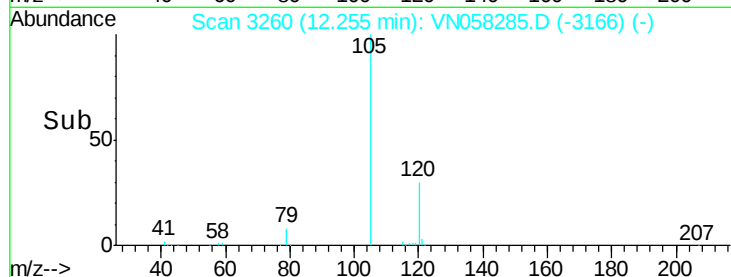
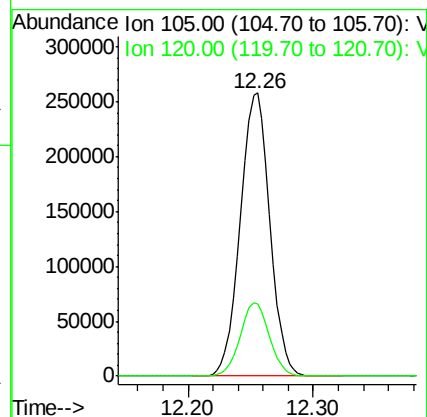
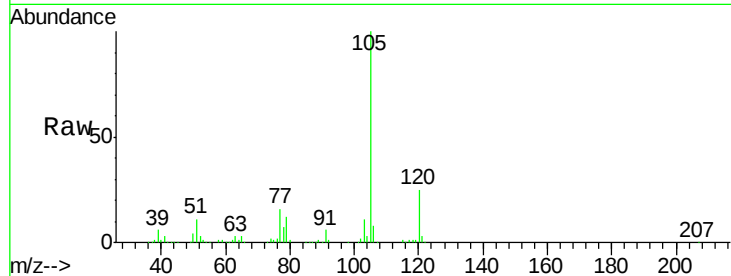
120 25.4 12.8 38.3

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#74

N-ethyl acetate

Concen: 21.841 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Tgt Ion: 43 Resp: 184799

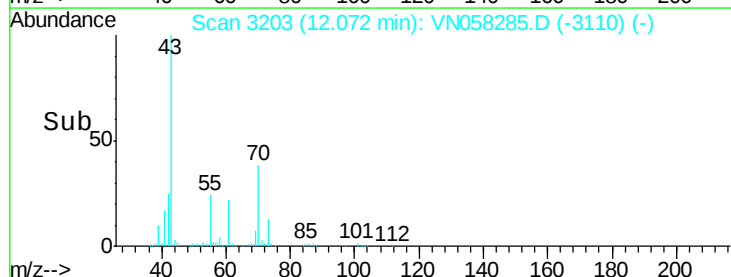
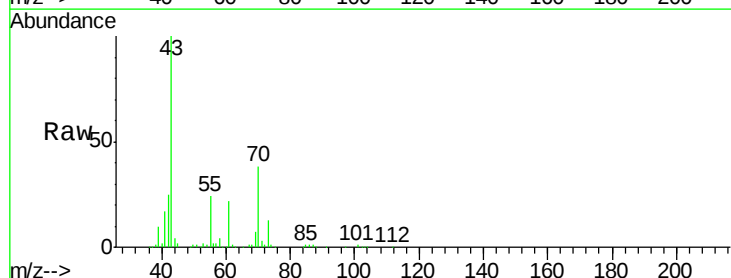
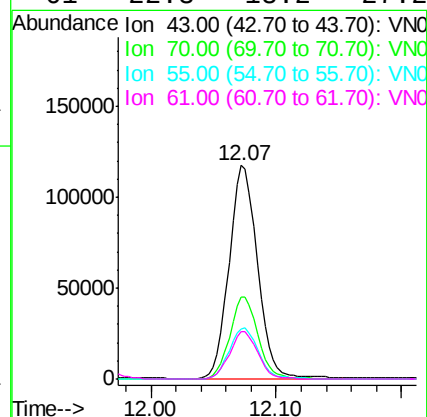
Ion Ratio Lower Upper

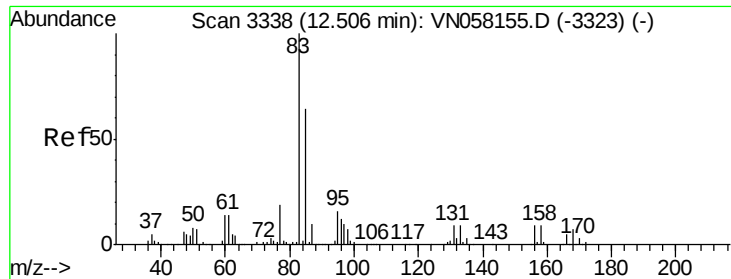
43 100

70 38.2 31.0 46.6

55 24.7 18.5 27.7

61 22.3 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 22.189 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA\_N

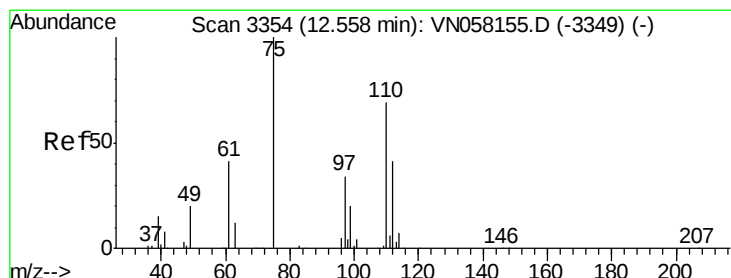
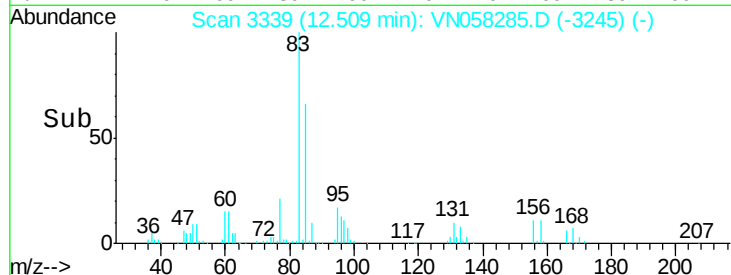
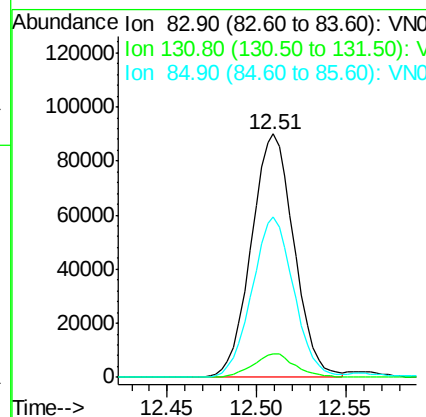
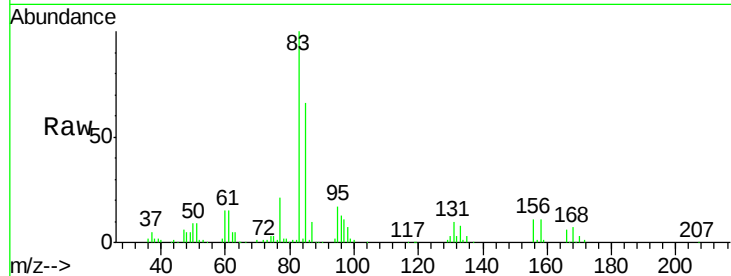
ClientSampleId :

VN0923WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 150285 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.6   | 4.8   | 14.3   |
| 85        | 64.5  | 31.9  | 95.5   |

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#76

1,2,3-Trichloropropane

Concen: 20.922 ug/l m

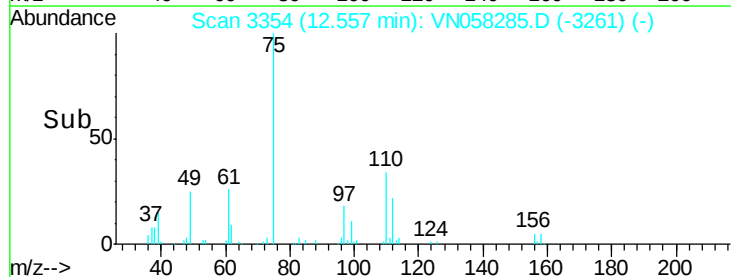
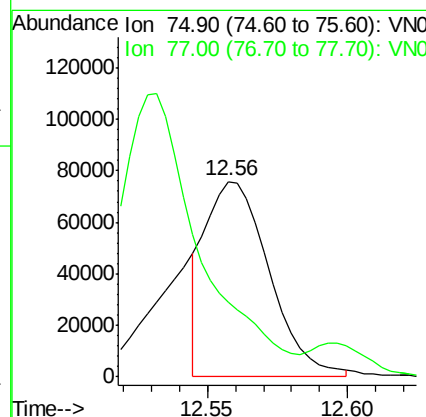
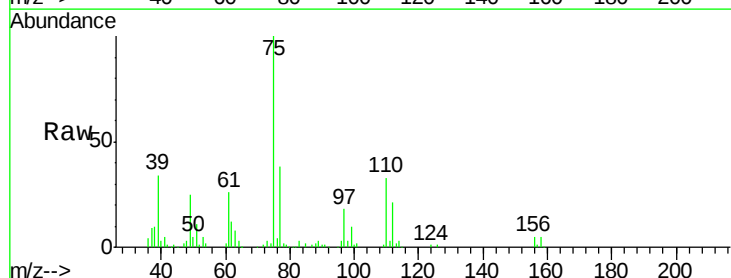
RT: 12.56 min Scan# 3354

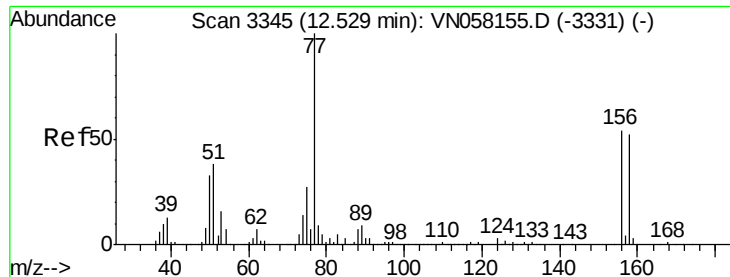
Delta R.T. -0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 120988 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 19.591 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA\_N

ClientSampleId :

VN0923WBSD01

Tot Ion:156 Resp: 99667

Ion Ratio Lower Upper

156 100

77 228.2 111.7 335.1

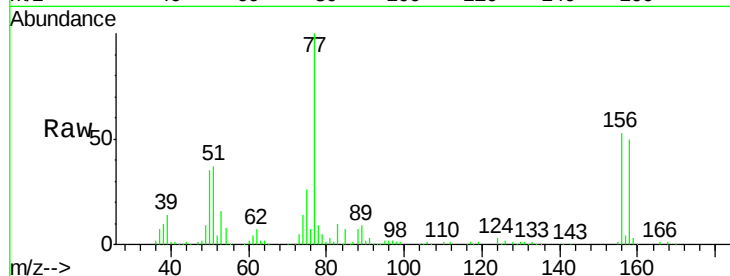
158 96.8 47.9 143.8

Manual Integrations

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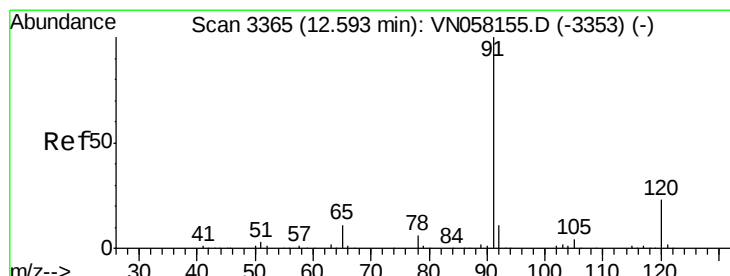
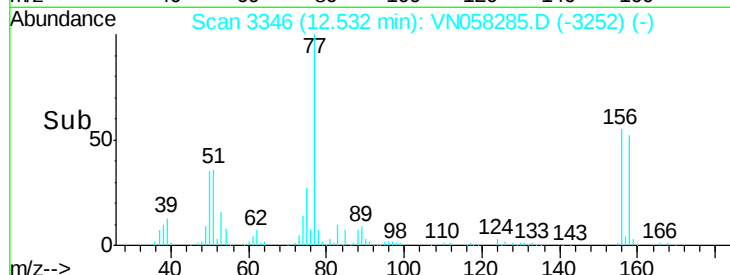
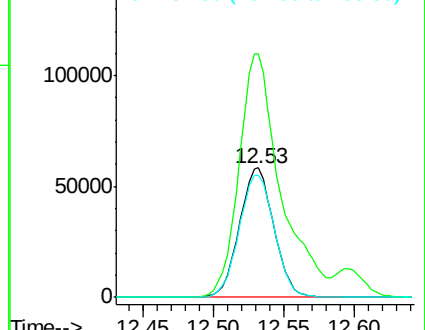
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.228 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058285.D

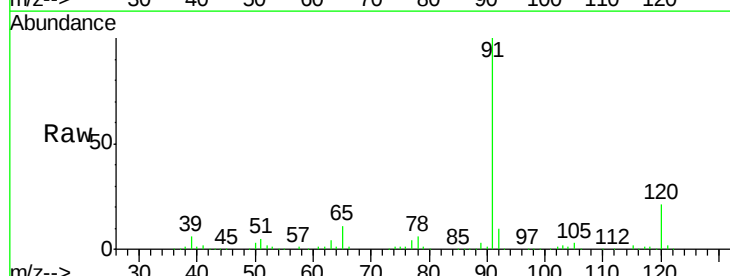
Acq: 23 Sep 2019 12:34

Tgt Ion: 91 Resp: 487891

Ion Ratio Lower Upper

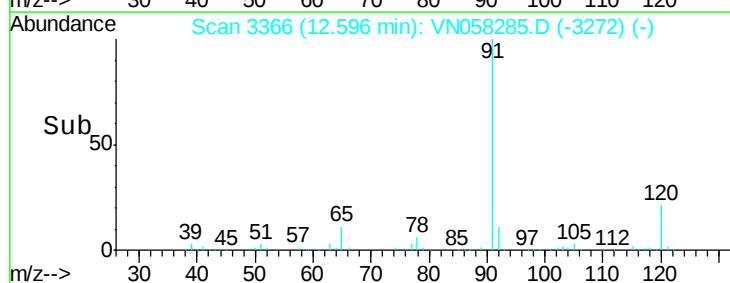
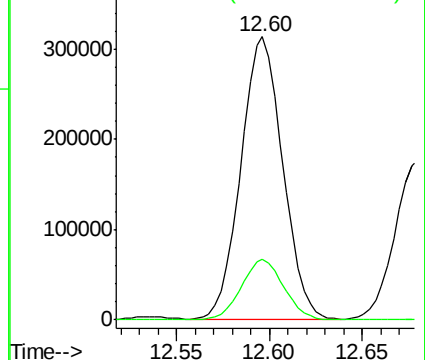
91 100

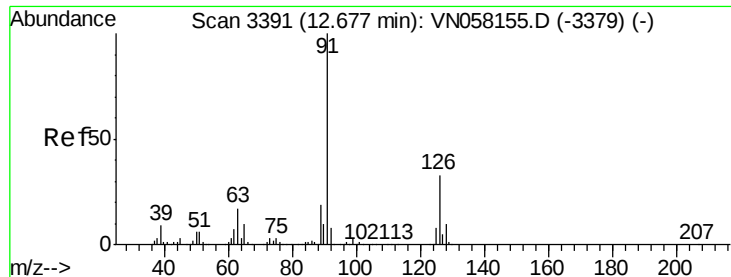
120 21.7 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.386 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA\_N

ClientSampleId :

VN0923WBSD01

Tot Ion: 91 Resp: 292813

Ion Ratio Lower Upper

91 100

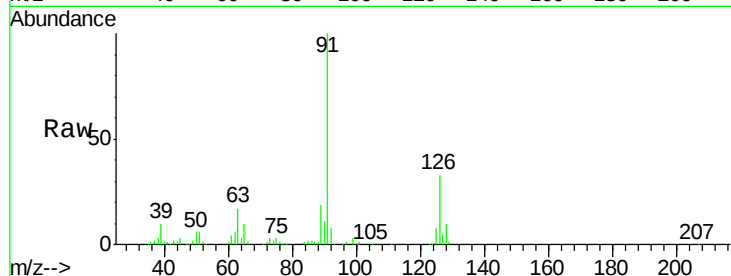
126 32.6 16.4 49.1

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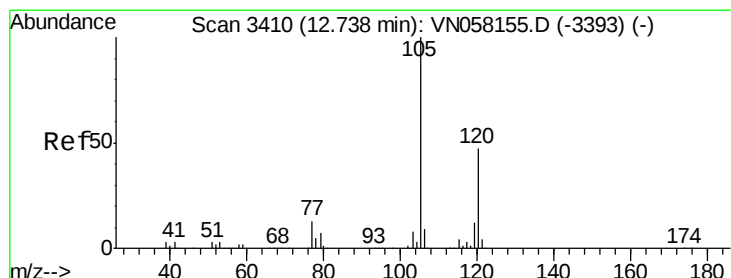
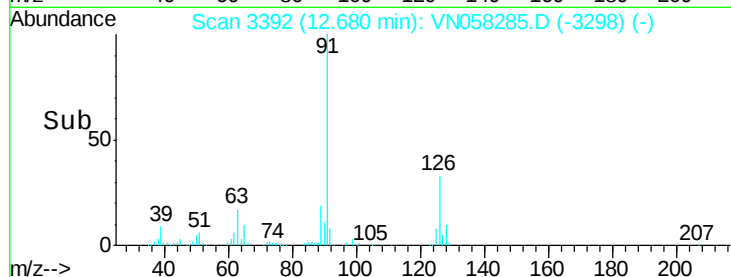
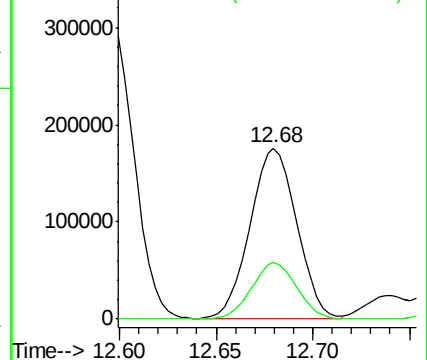
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.749 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058285.D

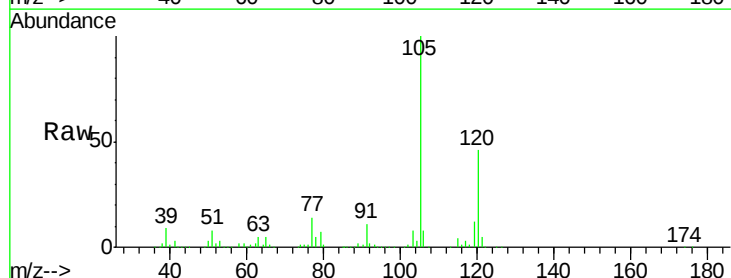
Acq: 23 Sep 2019 12:34

Tgt Ion: 105 Resp: 354873

Ion Ratio Lower Upper

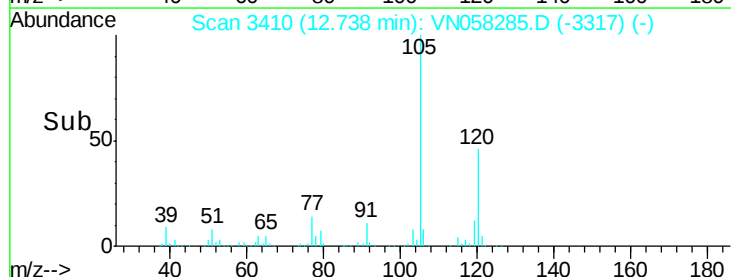
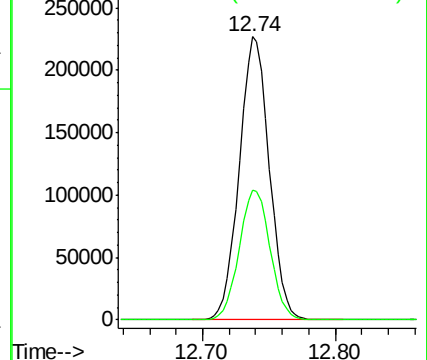
105 100

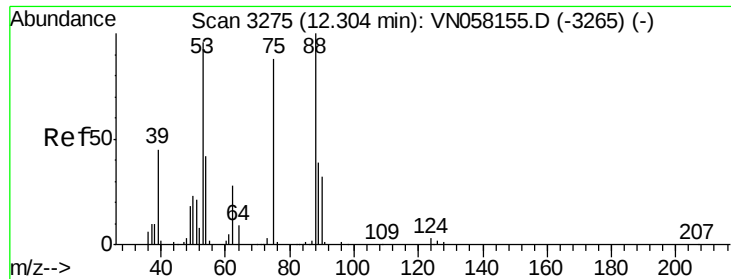
120 47.2 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.496 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA\_N

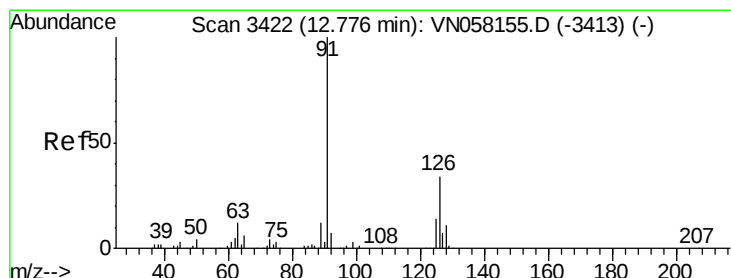
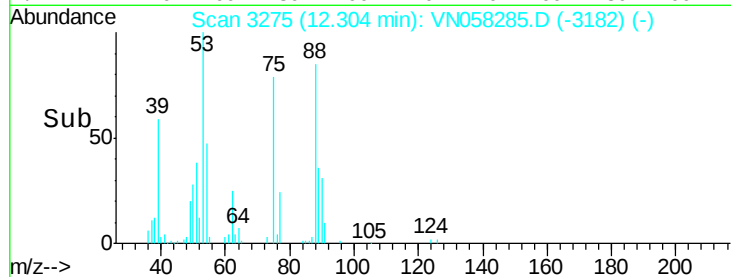
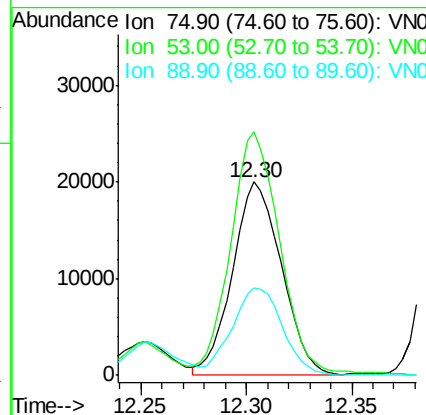
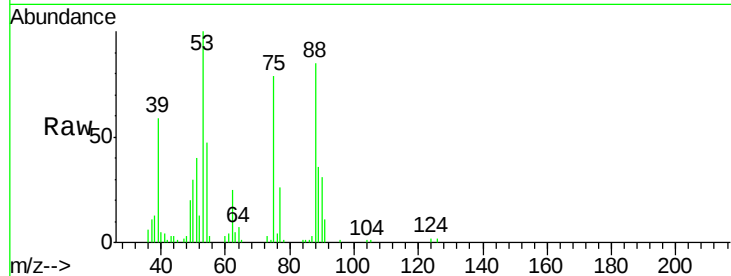
ClientSampleId :

VN0923WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 32332 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 127.3 | 90.1  | 135.1 |
| 89       | 46.8  | 36.2  | 54.2  |

Manual Integrations  
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#82

4-Chlorotoluene

Concen: 20.082 ug/l

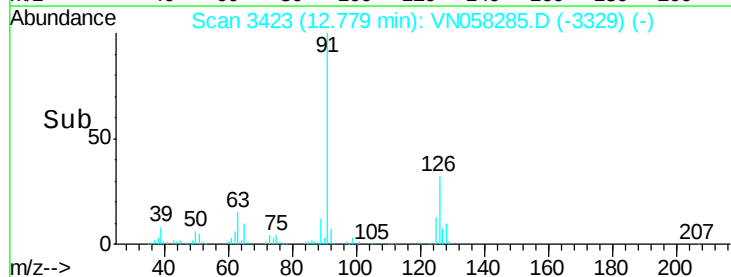
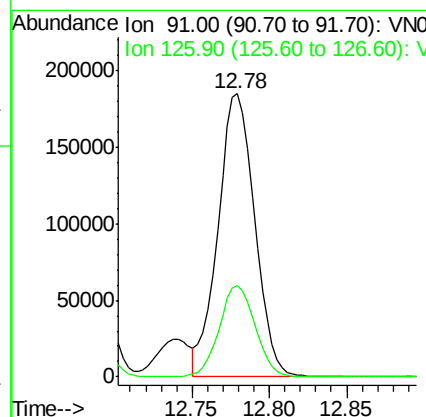
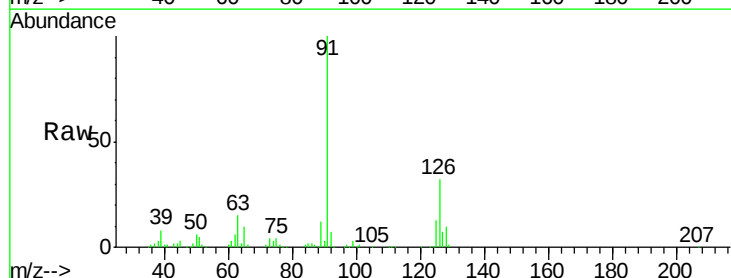
RT: 12.78 min Scan# 3423

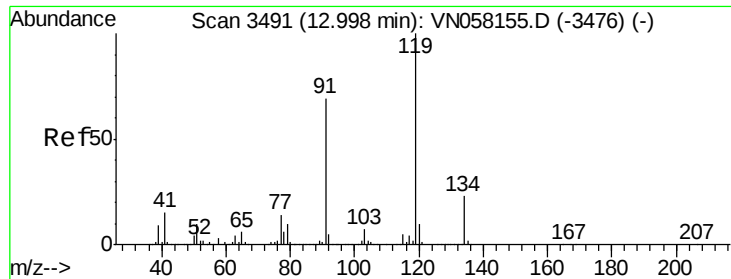
Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 303211 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 31.9  | 15.7  | 47.1   |





#83

tert-Butylbenzene

Concen: 20.721 ug/l

RT: 13.00 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA\_N

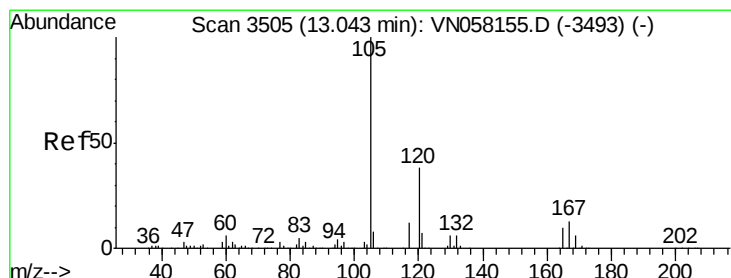
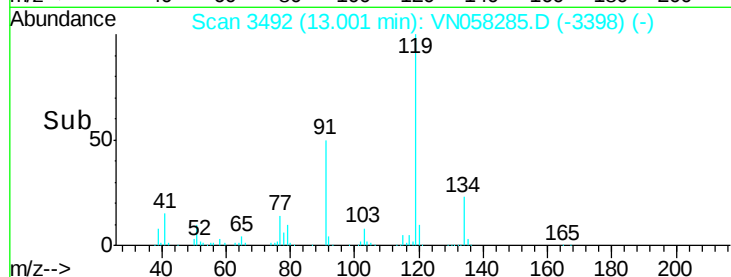
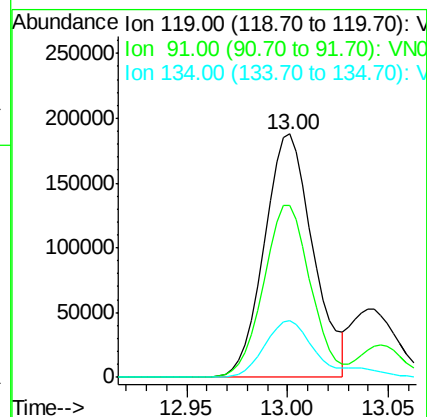
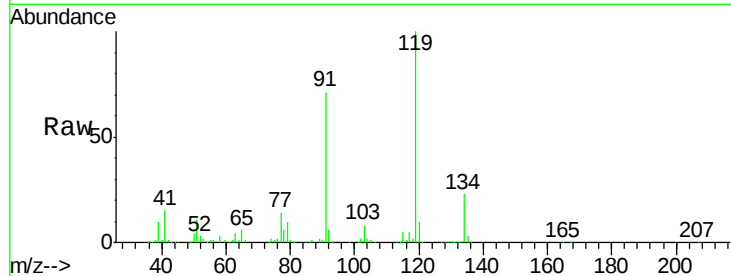
ClientSampleId :

VN0923WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 316044 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 68.7  | 33.8  | 101.3  |
| 134       | 23.3  | 11.6  | 34.8   |

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#84

1,2,4-Trimethylbenzene

Concen: 21.225 ug/l

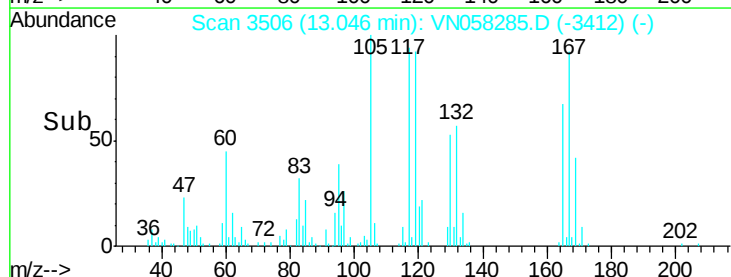
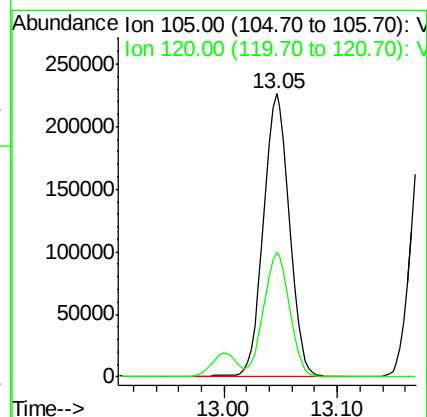
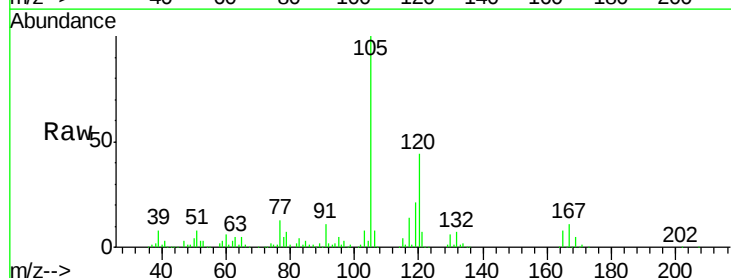
RT: 13.05 min Scan# 3506

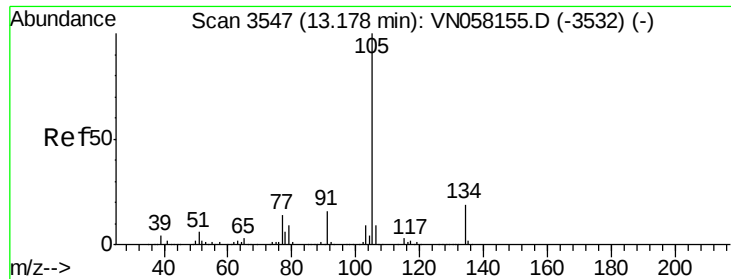
Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 361253 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 43.7  | 22.1  | 66.5   |





#85

sec-Butylbenzene

Concen: 20.993 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA\_N

ClientSampleId :

VN0923WBSD01

Tot Ion:105 Resp: 418701

Ion Ratio Lower Upper

105 100

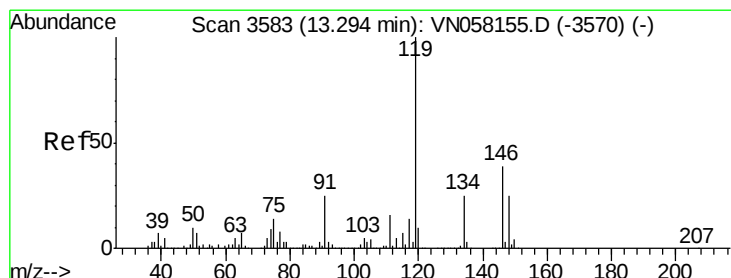
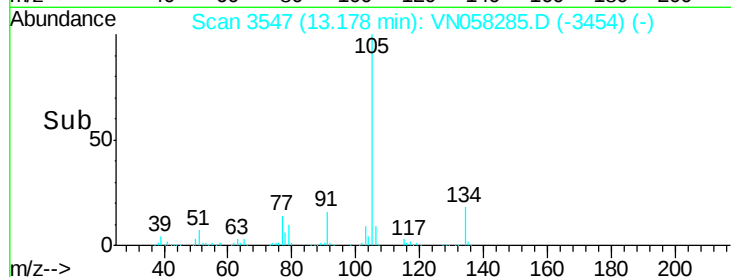
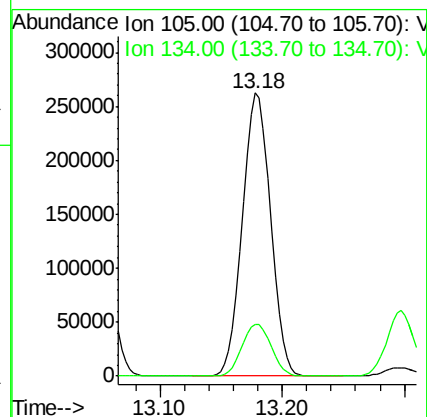
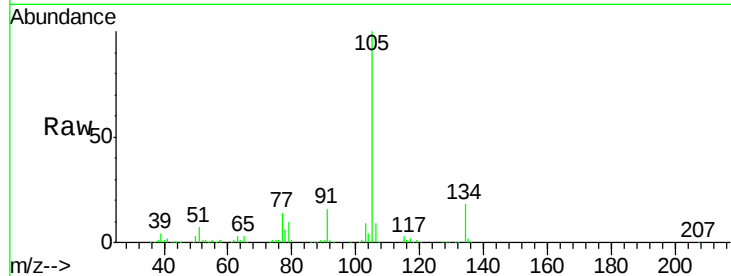
134 19.0 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 20.752 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

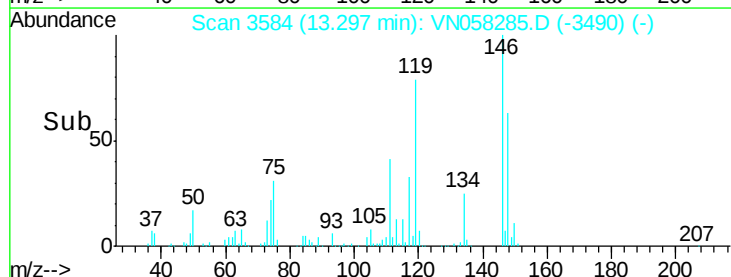
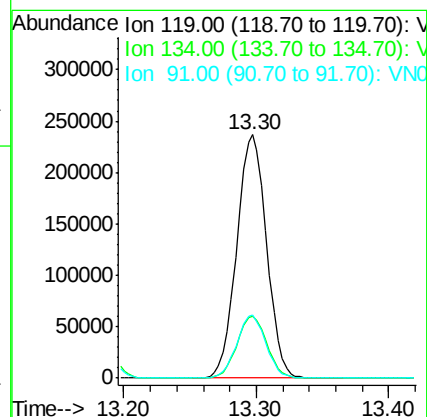
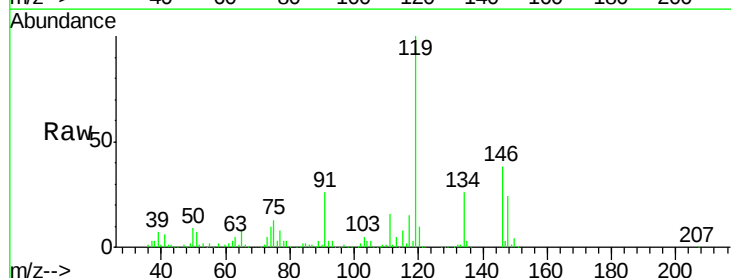
Tgt Ion:119 Resp: 367949

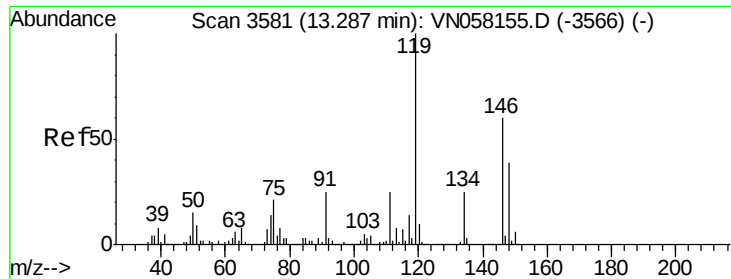
Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.0

91 25.4 12.3 36.8





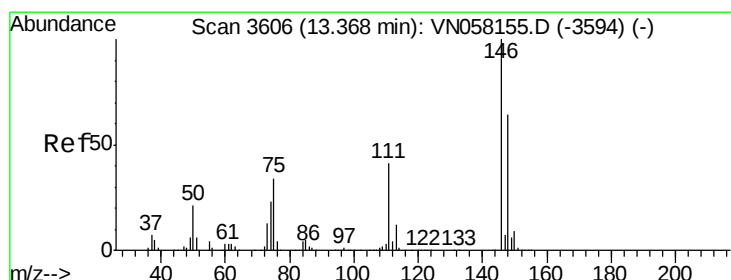
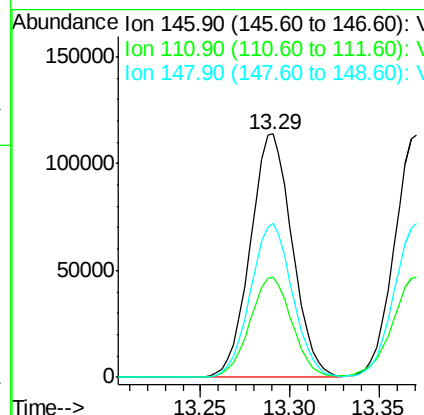
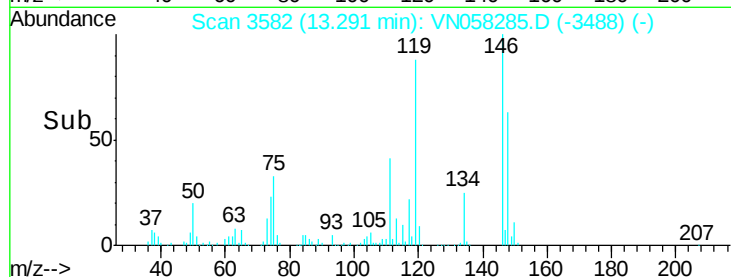
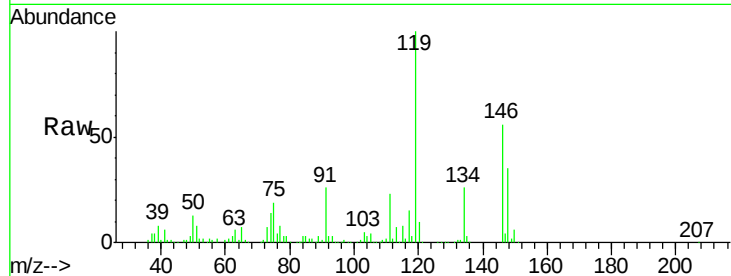
#87  
 1,3-Dichlorobenzene  
 Concen: 20.169 ug/l  
 RT: 13.29 min Scan# 3582  
 Delta R.T. 0.00 min  
 Lab File: VN058285.D  
 Acq: 23 Sep 2019 12:34

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0923WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 187419 |       |       |
| 111     | 41.3  | 20.9   | 62.8  |       |
| 148     | 63.2  | 32.0   | 96.2  |       |

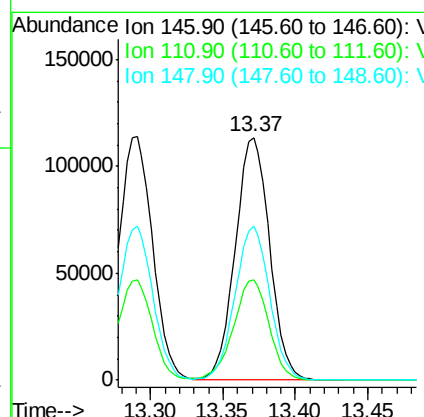
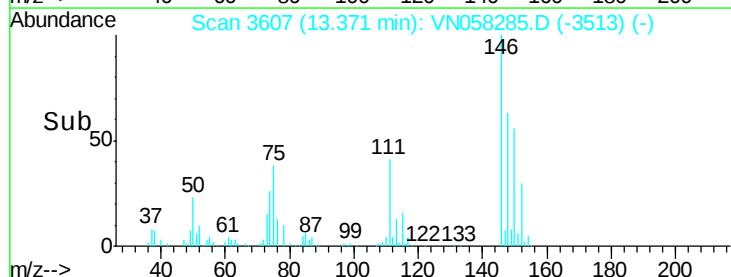
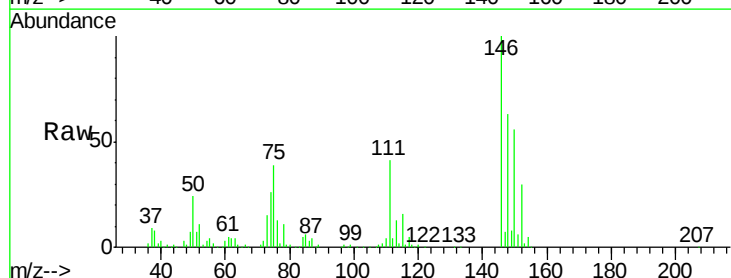
Manual Integrations  
 APPROVED

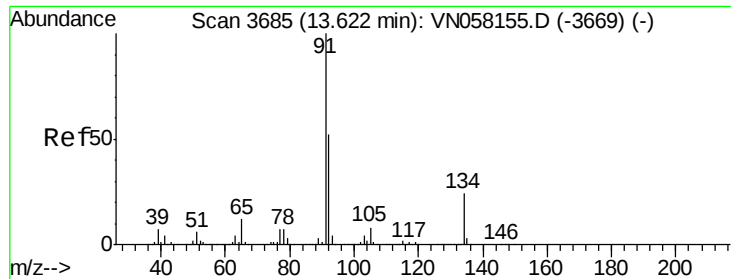
MMDadoda  
 9/25/2019 12:47:37 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 19.578 ug/l  
 RT: 13.37 min Scan# 3607  
 Delta R.T. 0.00 min  
 Lab File: VN058285.D  
 Acq: 23 Sep 2019 12:34

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 185726 |       |       |
| 111     | 43.2  | 20.5   | 61.5  |       |
| 148     | 63.8  | 31.9   | 95.5  |       |





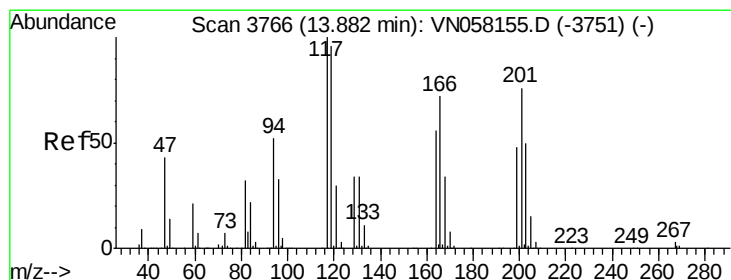
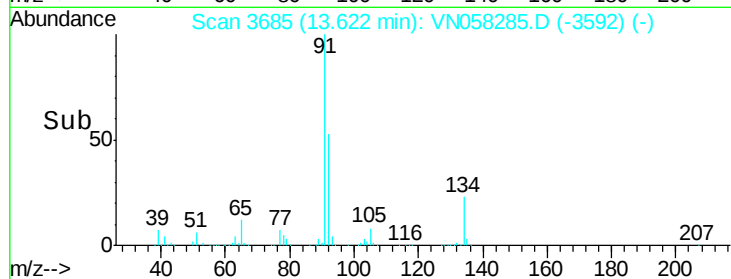
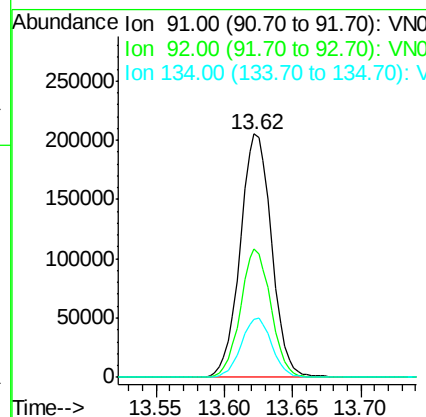
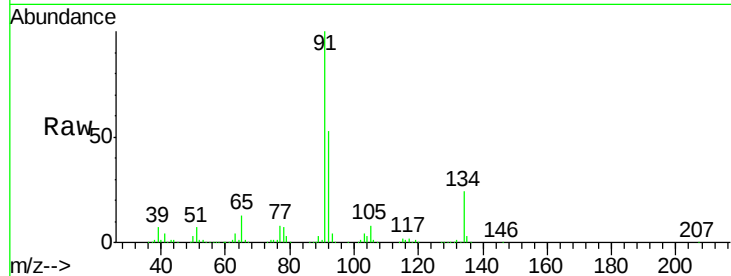
#89  
n-Butylbenzene  
Concen: 19.517 ug/l  
RT: 13.62 min Scan# 3685  
Delta R.T. -0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0923WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.2  | 25.7  | 77.0  |
| 134     | 23.8  | 11.8  | 35.4  |

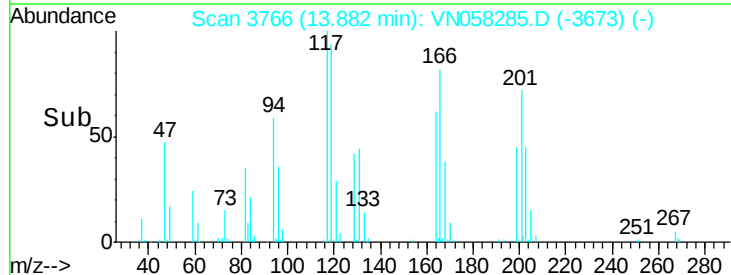
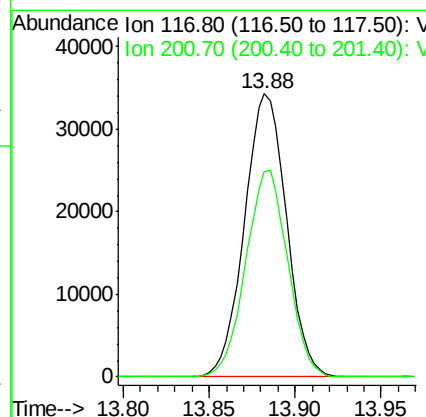
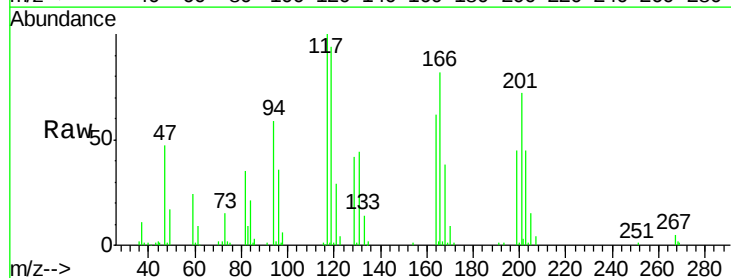
Manual Integrations  
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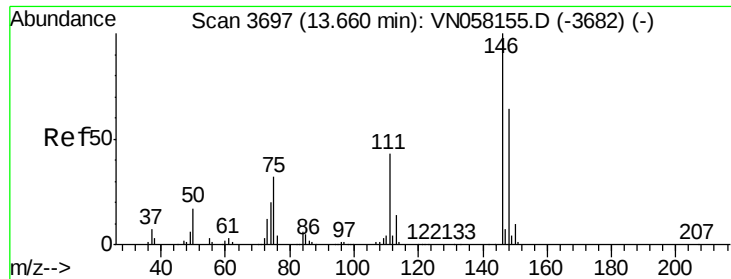
MMDadoda  
9/25/2019 12:47:37 AM



#90  
Hexachloroethane  
Concen: 20.426 ug/l  
RT: 13.88 min Scan# 3766  
Delta R.T. 0.00 min  
Lab File: VN058285.D  
Acq: 23 Sep 2019 12:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 72.9  | 37.5  | 112.5 |





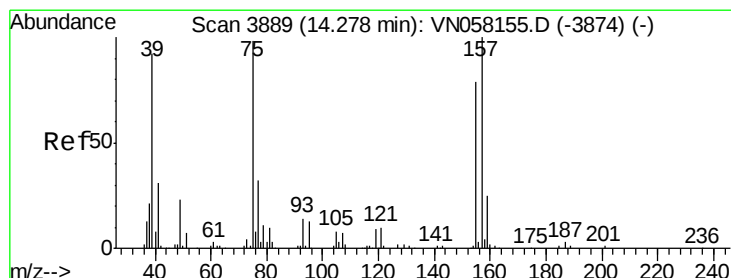
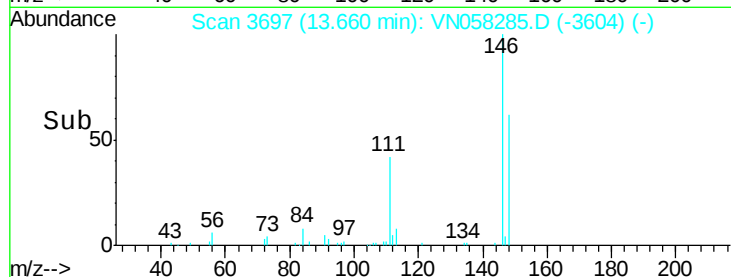
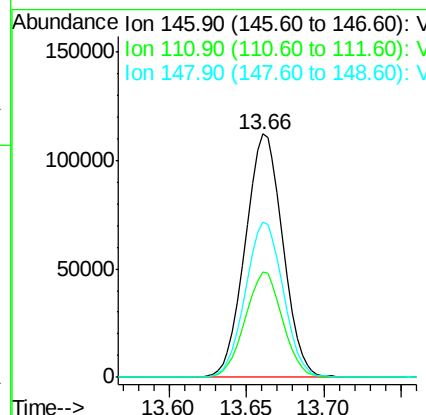
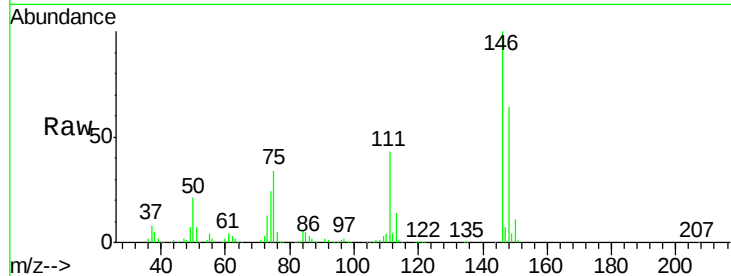
#91  
 1,2-Dichlorobenzene  
 Concen: 20.407 ug/l  
 RT: 13.66 min Scan# 3697  
 Delta R.T. -0.00 min  
 Lab File: VN058285.D  
 Acq: 23 Sep 2019 12:34

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0923WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.8  | 21.1  | 63.1  |
| 148     | 64.1  | 31.8  | 95.4  |

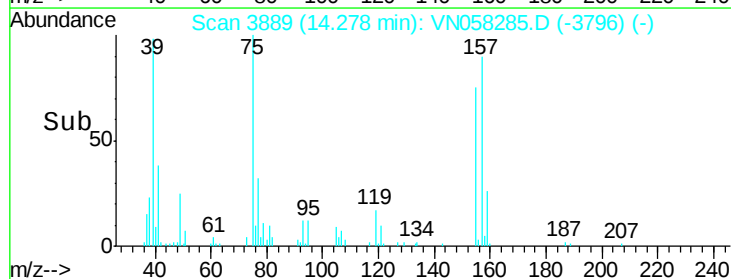
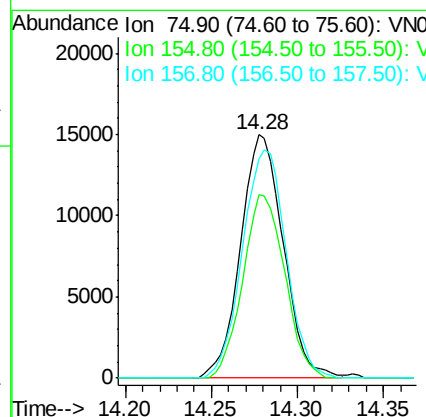
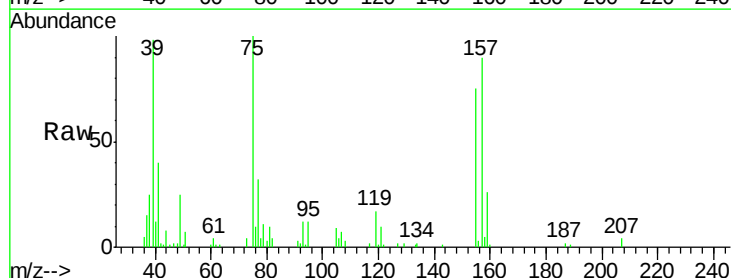
Manual Integrations  
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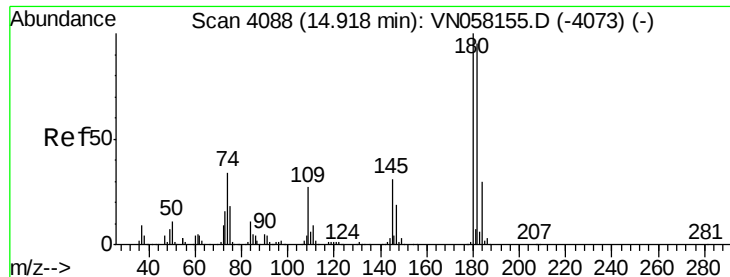
MMDadoda  
 9/25/2019 12:47:37 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 21.285 ug/l  
 RT: 14.28 min Scan# 3889  
 Delta R.T. -0.00 min  
 Lab File: VN058285.D  
 Acq: 23 Sep 2019 12:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 73.7  | 38.3  | 114.8 |
| 157     | 95.6  | 48.0  | 144.0 |





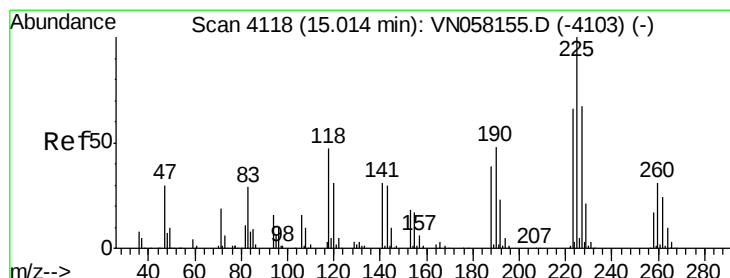
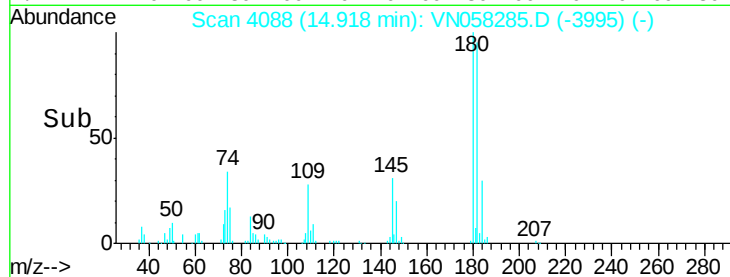
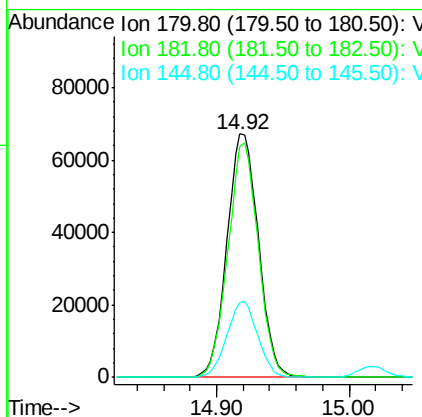
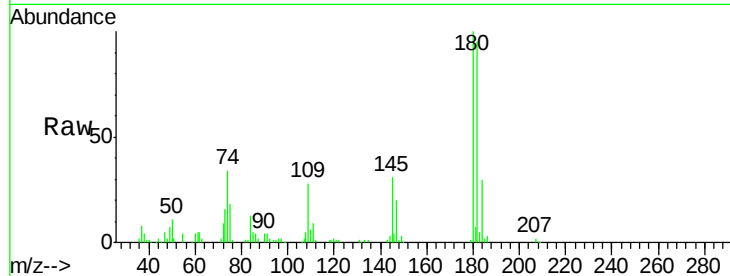
#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.633 ug/l  
 RT: 14.92 min Scan# 4088  
 Delta R.T. -0.00 min  
 Lab File: VN058285.D  
 Acq: 23 Sep 2019 12:34

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0923WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 110970 |       |       |
| 182     | 92.9  | 47.8   | 143.3 |       |
| 145     | 30.4  | 15.4   | 46.4  |       |

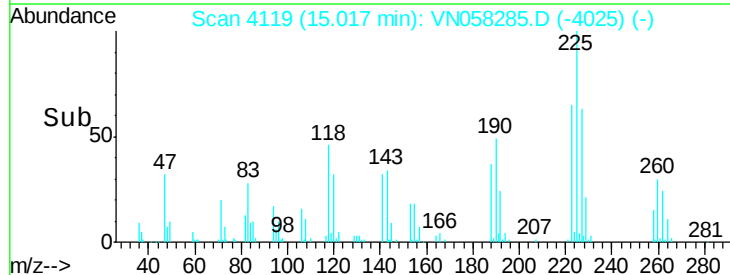
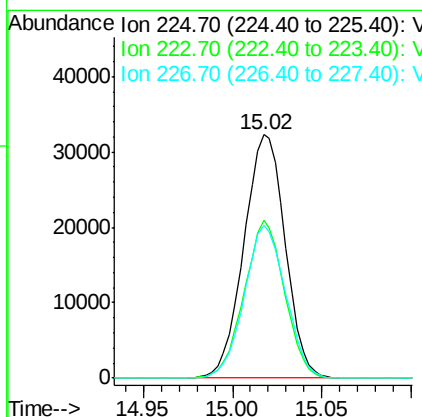
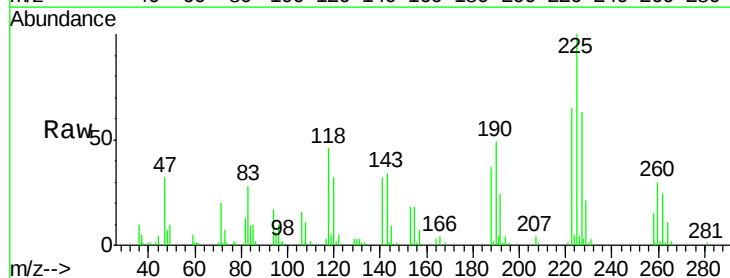
Manual Integrations  
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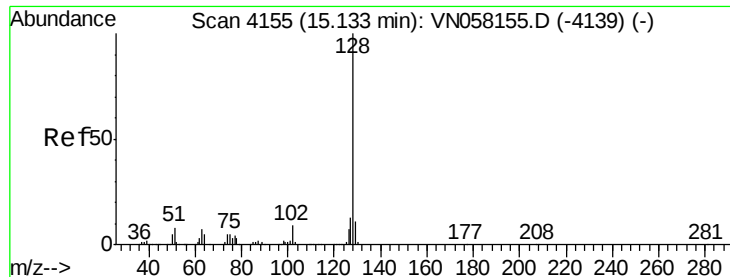
MMDadoda  
 9/25/2019 12:47:37 AM



#94  
 Hexachlorobutadiene  
 Concen: 18.106 ug/l  
 RT: 15.02 min Scan# 4119  
 Delta R.T. 0.00 min  
 Lab File: VN058285.D  
 Acq: 23 Sep 2019 12:34

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 52117 |       |       |
| 223     | 63.0  | 32.6  | 97.7  |       |
| 227     | 62.7  | 33.0  | 99.0  |       |





#95

Naphthalene

Concen: 20.390 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA\_N

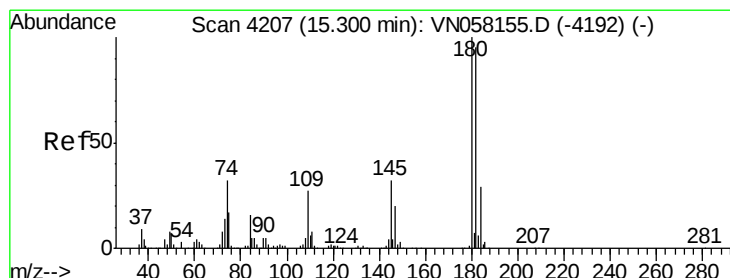
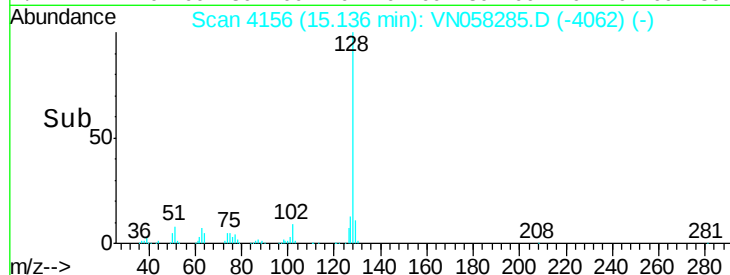
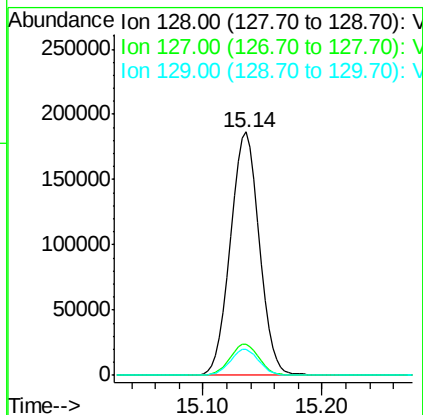
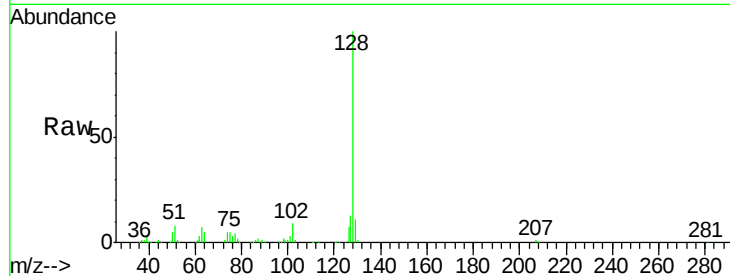
ClientSampleId :

VN0923WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 314708 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.0  | 10.2  | 15.2   |
| 129       | 10.6  | 8.6   | 12.8   |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 18.535 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 104333 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 92.3  | 47.4  | 142.2  |
| 145       | 32.4  | 16.1  | 48.2   |

