

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111519\  
 Data File : VN059254.D  
 Acq On : 15 Nov 2019 10:56  
 Operator : JC/SP  
 Sample : VN1115WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1115WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 11/18/2019 3:09:55 PM

Quant Time: Nov 15 15:22:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110619W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 07 04:00:41 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 392239   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 604270   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 546185   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 248848   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.01   | 65  | 245230   | 50.86 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.72% |      |
| 35) Dibromofluoromethane  | 7.57   | 113 | 197679   | 54.79 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 109.58% |      |
| 50) Toluene-d8            | 10.08  | 98  | 738930   | 51.99 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.98% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 263022   | 51.33 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.66% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 70712   | 17.893  | ug/l | 99     |
| 3) Chloromethane              | 2.04 | 50  | 95693   | 17.813  | ug/l | 98     |
| 4) Vinyl Chloride             | 2.17 | 62  | 96310   | 18.492  | ug/l | 99     |
| 5) Bromomethane               | 2.55 | 94  | 57349   | 19.134  | ug/l | 98     |
| 6) Chloroethane               | 2.69 | 64  | 58220   | 18.897  | ug/l | 97     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 126433  | 20.295  | ug/l | 98     |
| 8) Diethyl Ether              | 3.39 | 74  | 51784   | 20.458  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 75662   | 20.143  | ug/l | 99     |
| 10) Methyl Iodide             | 3.93 | 142 | 88584   | 19.053  | ug/l | 100    |
| 11) Tert butyl alcohol        | 4.75 | 59  | 94789   | 103.155 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.72 | 96  | 71944   | 19.662  | ug/l | 99     |
| 13) Acrolein                  | 3.58 | 56  | 31206   | 65.868  | ug/l | 99     |
| 14) Allyl chloride            | 4.30 | 41  | 145596  | 19.371  | ug/l | 99     |
| 15) Acrylonitrile             | 4.96 | 53  | 249056  | 108.909 | ug/l | 99     |
| 16) Acetone                   | 3.79 | 43  | 203290  | 81.078  | ug/l | 95     |
| 17) Carbon Disulfide          | 4.03 | 76  | 190041  | 16.731  | ug/l | 99     |
| 18) Methyl Acetate            | 4.30 | 43  | 132690  | 22.296  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 5.01 | 73  | 266633  | 21.166  | ug/l | 100    |
| 20) Methylene Chloride        | 4.53 | 84  | 88087   | 20.166  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 77466   | 19.724  | ug/l | 99     |
| 22) Diisopropyl ether         | 5.92 | 45  | 299522  | 21.098  | ug/l | 95     |
| 23) Vinyl Acetate             | 5.87 | 43  | 1214503 | 110.383 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 5.82 | 63  | 165059  | 20.817  | ug/l | 98     |
| 25) 2-Butanone                | 6.81 | 43  | 328128  | 99.296  | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.80 | 77  | 136758  | 19.725  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96  | 93796   | 20.585  | ug/l | 99     |
| 28) Bromochloromethane        | 7.17 | 49  | 47591   | 19.950  | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.19 | 42  | 224682  | 107.007 | ug/l | 99     |
| 30) Chloroform                | 7.35 | 83  | 162621  | 21.380  | ug/l | 96     |
| 31) Cyclohexane               | 7.63 | 56  | 138426  | 18.441  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 133874  | 20.934  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 113968  | 20.178  | ug/l | 100    |
| 37) Ethyl Acetate             | 6.90 | 43  | 134968  | 21.480  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 115551  | 20.554  | ug/l | 98     |

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 Sample : VN1115WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN1115WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 11/18/2019 3:09:55 PM

Quant Time: Nov 15 15:22:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110619W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 07 04:00:41 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.07  | 83   | 127091   | 19.388  | ug/l   | 99       |
| 40) Benzene                    | 8.02  | 78   | 354529   | 20.844  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.15  | 41   | 59889m   | 21.919  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 123836   | 21.228  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.15  | 43   | 211403   | 21.104  | ug/l   | 99       |
| 44) Trichloroethene            | 8.82  | 130  | 85914    | 20.549  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 98603    | 21.343  | ug/l   | 99       |
| 46) Dibromomethane             | 9.19  | 93   | 59159    | 20.550  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.39  | 83   | 121538   | 21.142  | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.18  | 41   | 90329    | 20.159  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 33295    | 418.126 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 672104   | 118.577 | ug/l   | 99       |
| 52) Toluene                    | 10.15 | 92   | 214965   | 21.086  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 137521   | 20.706  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.83  | 75   | 149957   | 20.990  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 89053    | 21.585  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 129429   | 19.977  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 152244   | 21.440  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 261873   | 114.051 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.74 | 43   | 479111   | 110.128 | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.90 | 129  | 93390    | 21.409  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 88123    | 21.099  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 76785    | 20.675  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.43 | 112  | 228973   | 21.505  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 87069    | 21.800  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.51 | 91   | 402482   | 21.306  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.62 | 106  | 295318   | 41.734  | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 145361   | 21.256  | ug/l   | 97       |
| 70) Styrene                    | 11.96 | 104  | 225436   | 20.961  | ug/l   | 99       |
| 71) Bromoform                  | 12.12 | 173  | 66156    | 21.295  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.25 | 105  | 387212   | 21.391  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 157705   | 20.561  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 137612   | 22.324  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 128368m  | 22.658  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 94488    | 20.777  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 441117   | 21.283  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 267598   | 20.813  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 323614   | 21.099  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 44524    | 20.757  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 265726   | 20.606  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 282925   | 21.360  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 318955   | 21.494  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 371762   | 21.581  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 327552   | 21.534  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 162757   | 20.899  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 161882   | 20.776  | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.62 | 91   | 268956   | 20.203  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.88 | 117  | 62366    | 20.419  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 164536   | 21.477  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 27045    | 22.005  | ug/l   | 94       |

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Sample : VN1115WBSD01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1115WBSD01

Manual Integrations  
APPROVED

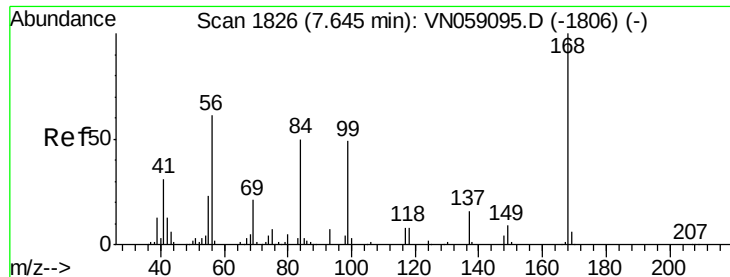
MMDadoda  
11/18/2019 3:09:55 PM

Quant Time: Nov 15 15:22:13 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110619W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 07 04:00:41 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 83680    | 19.953 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 55541    | 21.026 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 222333   | 19.236 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.30 | 180  | 85905    | 20.009 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

Instrument :

MSVOA\_N

ClientSampleId :

VN1115WBSD01

Tot Ion:168 Resp: 392239

Ion Ratio Lower Upper

168 100

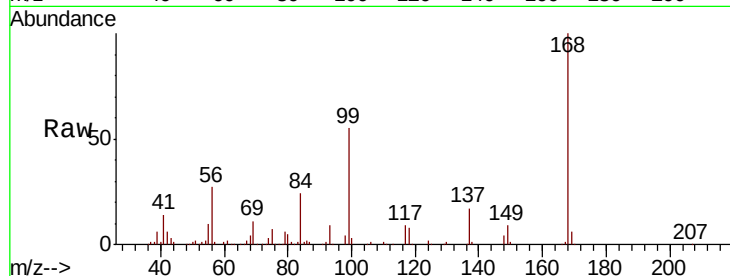
99 54.4 45.7 68.5

Manual Integrations

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11/18/2019 3:09:55 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

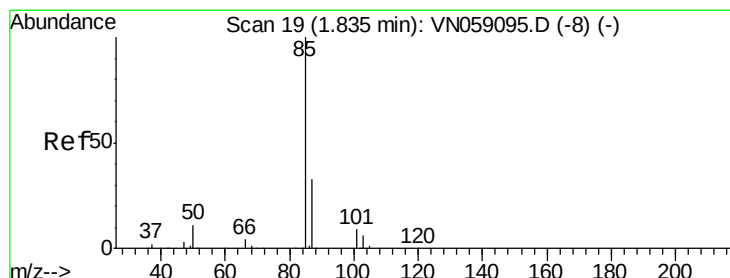
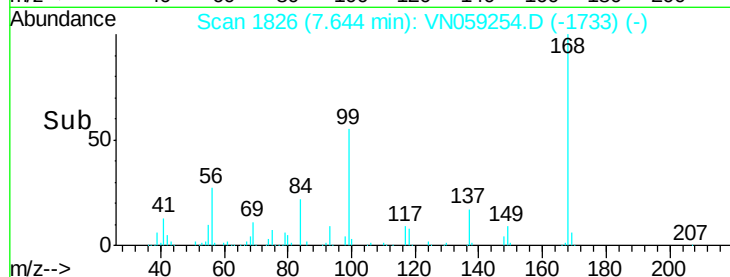
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.893 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059254.D

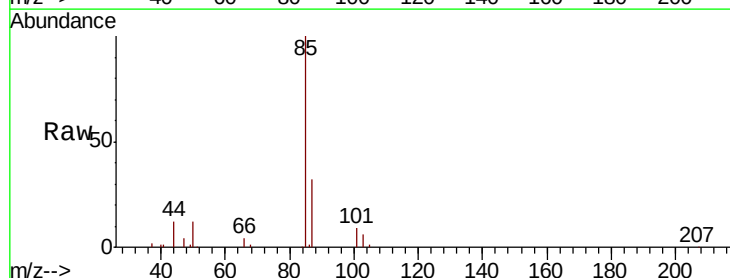
Acq: 15 Nov 2019 10:56

Tgt Ion: 85 Resp: 70712

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

50000

40000

30000

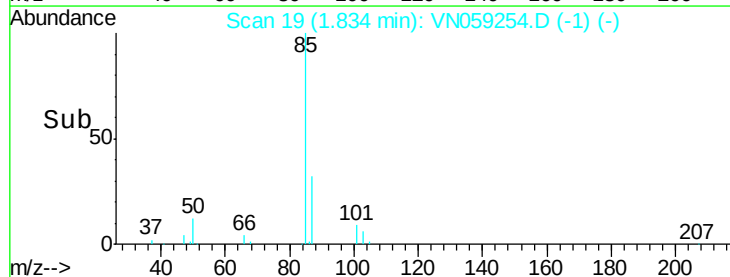
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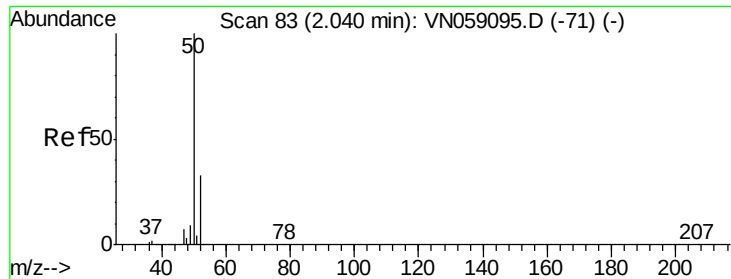
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0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.813 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

Instrument :

MSVOA\_N

ClientSampleId :

VN1115WBSD01

Tot Ion: 50 Resp: 95693

Ion Ratio Lower Upper

50 100

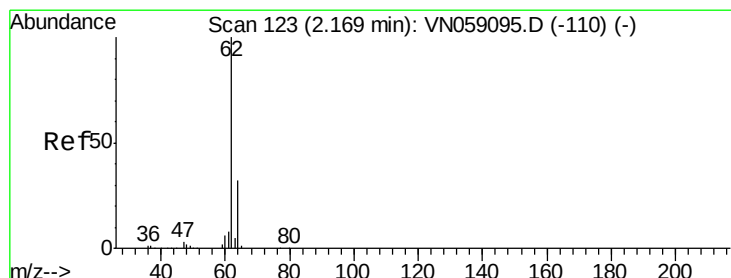
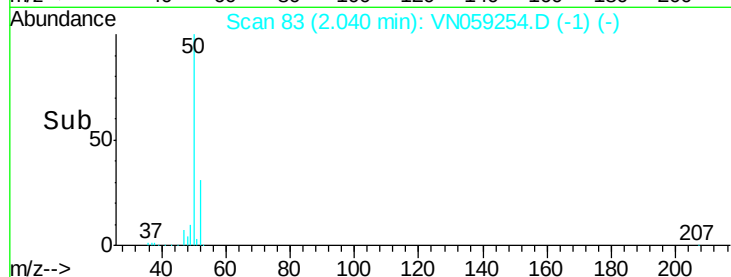
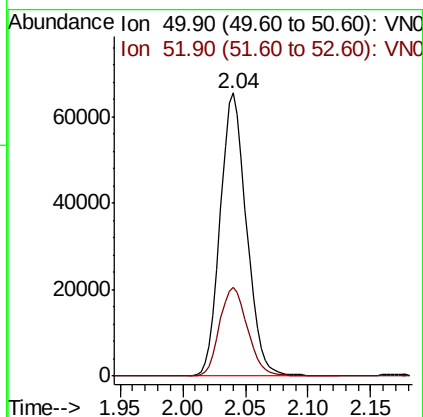
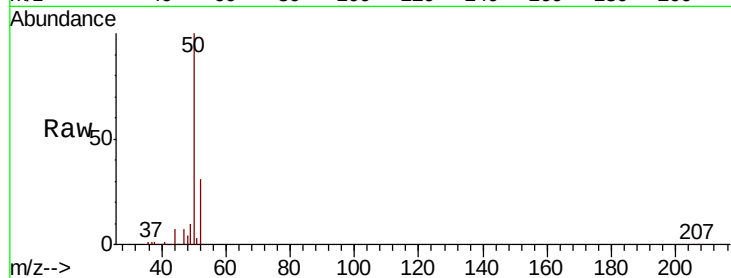
52 31.3 26.0 39.0

Manual Integrations

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11/18/2019 3:09:55 PM



#4

Vinyl Chloride

Concen: 18.492 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059254.D

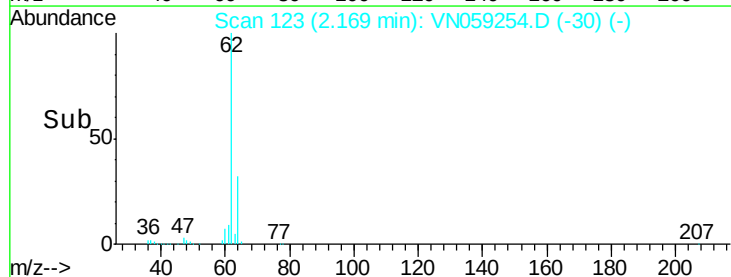
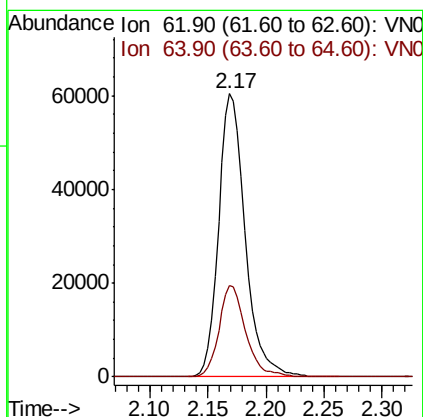
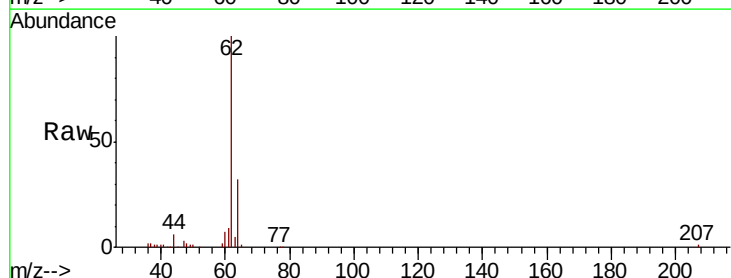
Acq: 15 Nov 2019 10:56

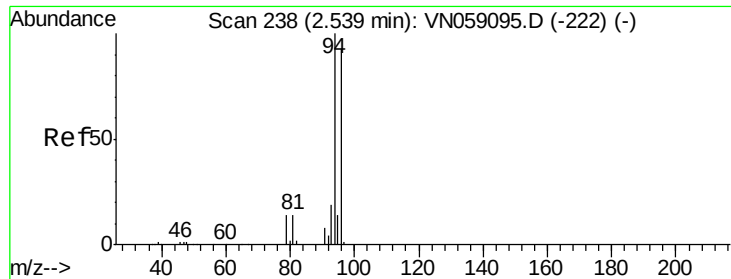
Tgt Ion: 62 Resp: 96310

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.2





#5

Bromomethane

Concen: 19.134 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

Instrument :

MSVOA\_N

ClientSampleId :

VN1115WBSD01

Tot Ion: 94 Resp: 57349

Ion Ratio Lower Upper

94 100

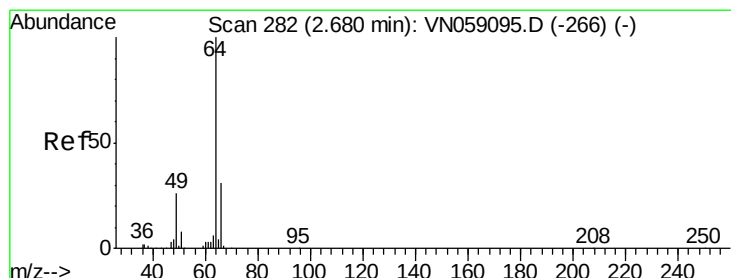
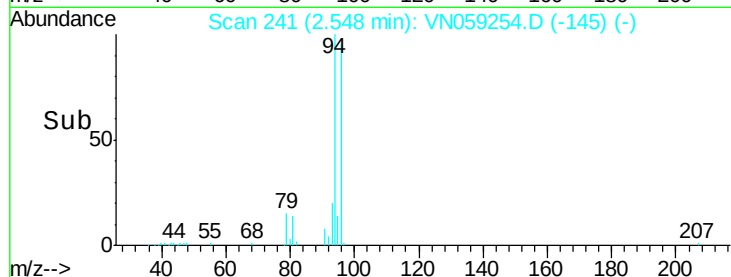
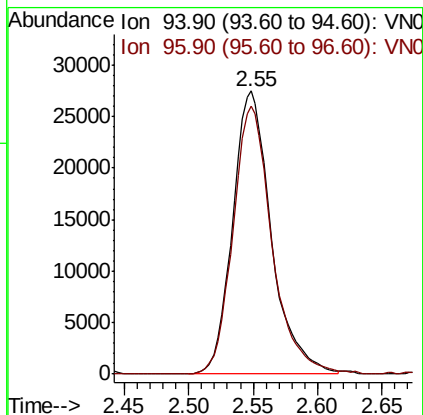
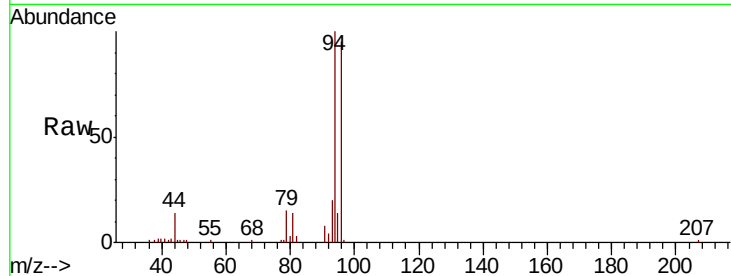
96 94.8 74.2 111.2

Manual Integrations

APPROVED

MMDadoda

11/18/2019 3:09:55 PM



#6

Chloroethane

Concen: 18.897 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059254.D

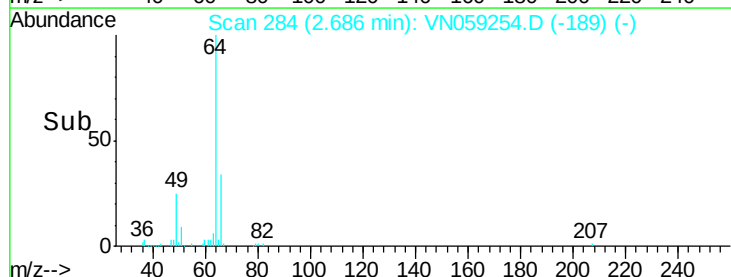
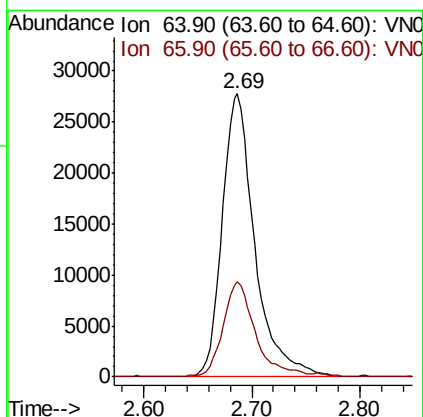
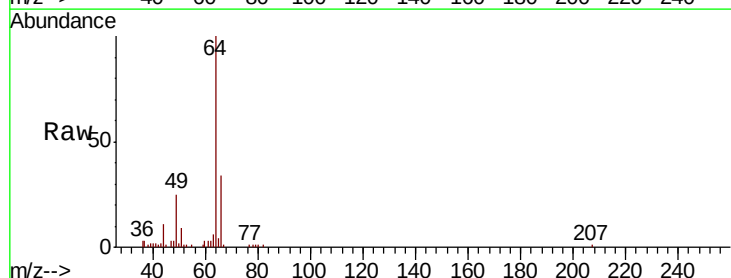
Acq: 15 Nov 2019 10:56

Tgt Ion: 64 Resp: 58220

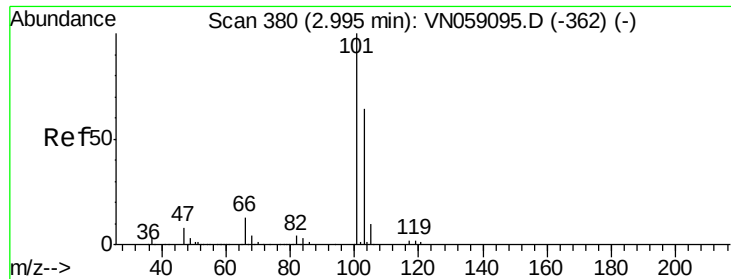
Ion Ratio Lower Upper

64 100

66 33.0 25.2 37.8







#7

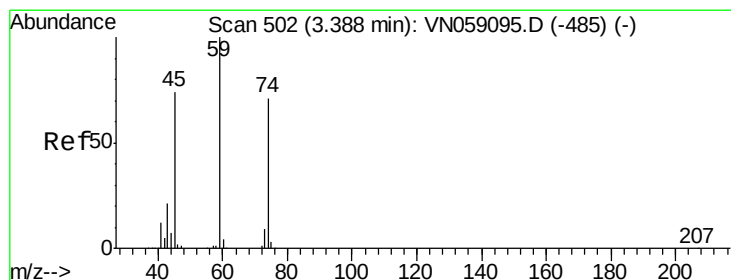
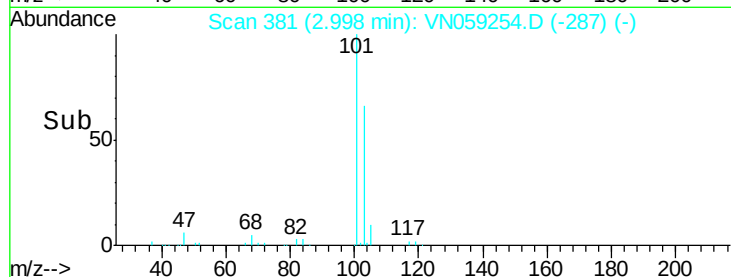
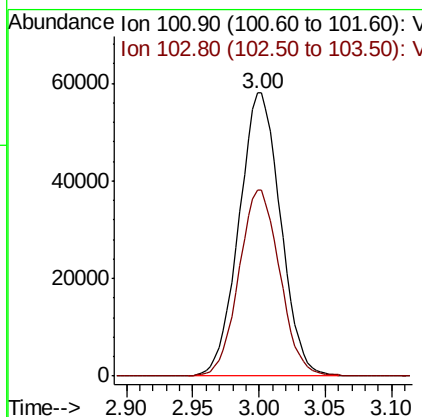
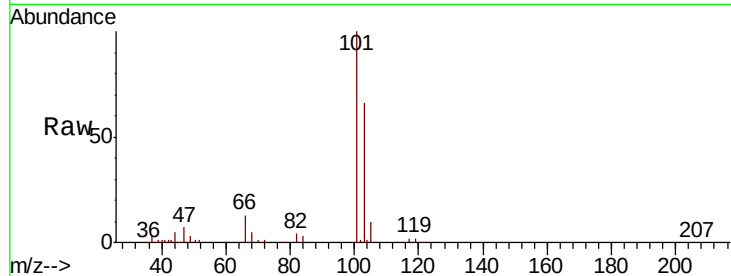
Trichlorofluoromethane  
Concen: 20.295 ug/l  
RT: 3.00 min Scan# 381  
Delta R.T. 0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1115WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.9  | 51.2  | 76.8  |

Manual Integrations  
APPROVED

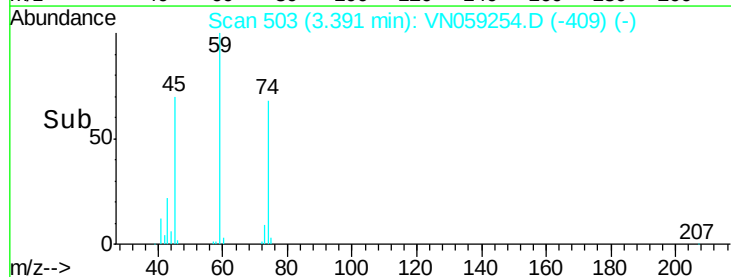
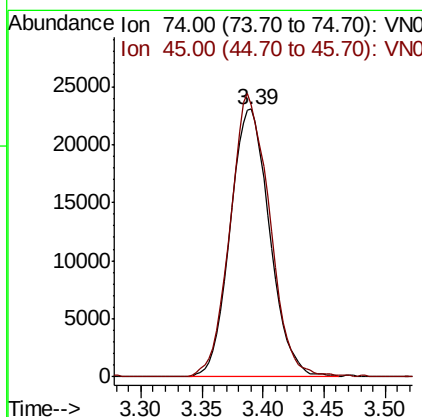
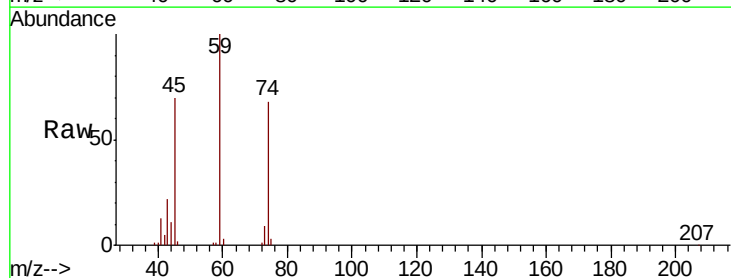
MMDadoda  
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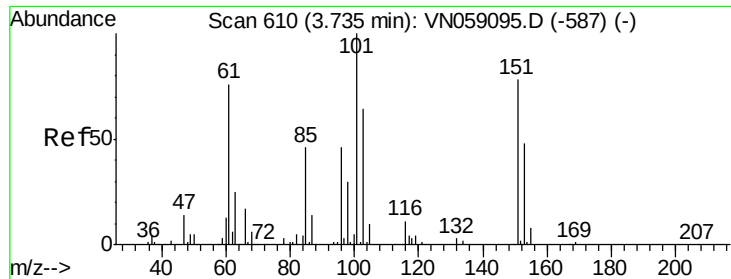
#8

Diethyl Ether  
Concen: 20.458 ug/l  
RT: 3.39 min Scan# 503  
Delta R.T. 0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 105.4 | 51.6  | 154.9 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.143 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

Instrument :

MSVOA\_N

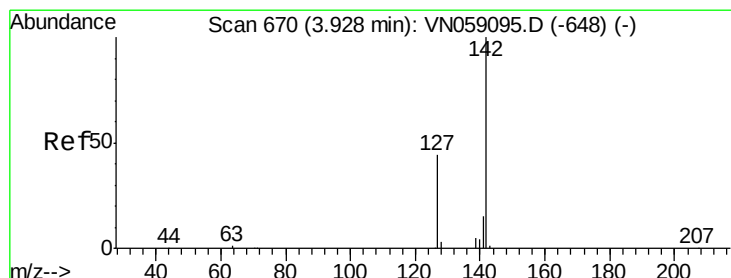
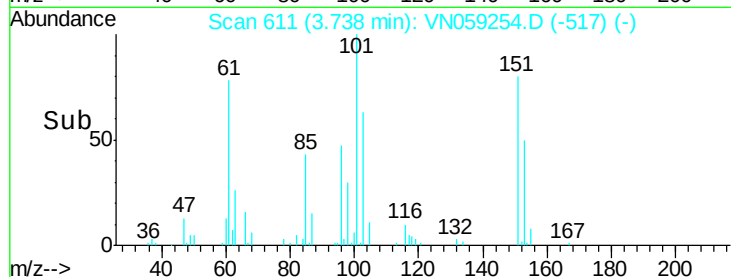
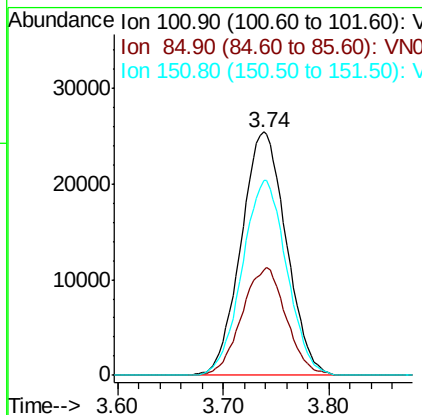
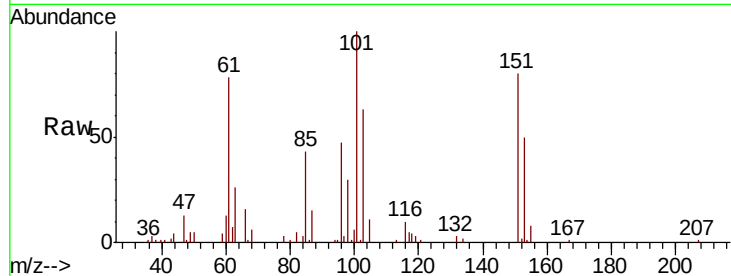
ClientSampleId :

VN1115WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 75662 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.5  | 35.5  | 53.3  |
| 151       | 79.0  | 62.2  | 93.2  |

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#10

Methyl Iodide

Concen: 19.053 ug/l

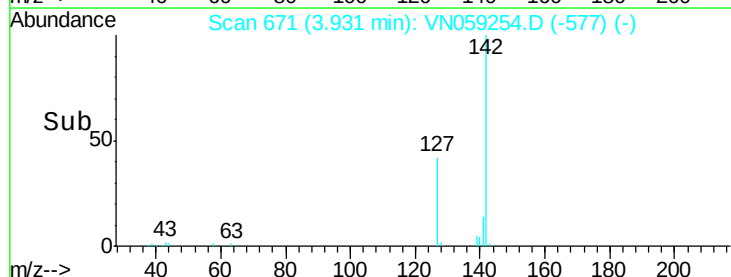
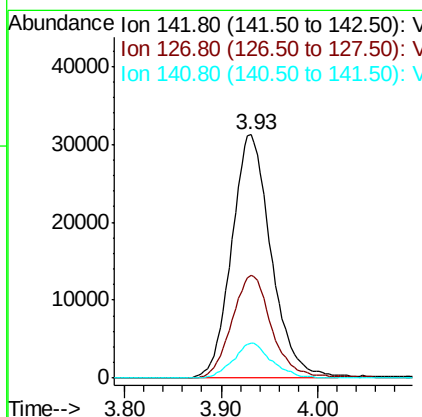
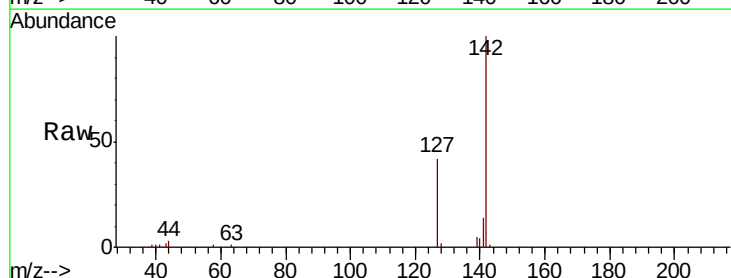
RT: 3.93 min Scan# 671

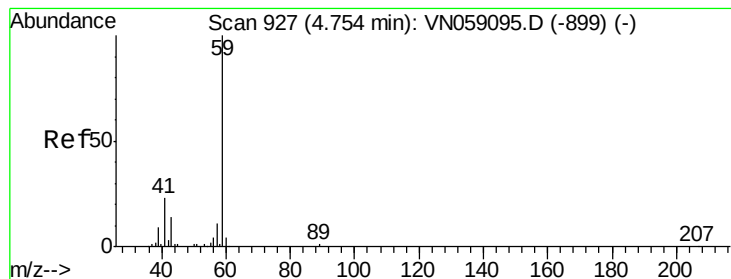
Delta R.T. 0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 88584 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 42.5  | 34.2  | 51.2  |
| 141       | 14.0  | 11.4  | 17.0  |





#11

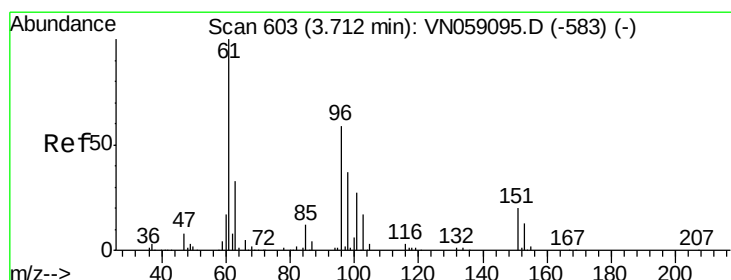
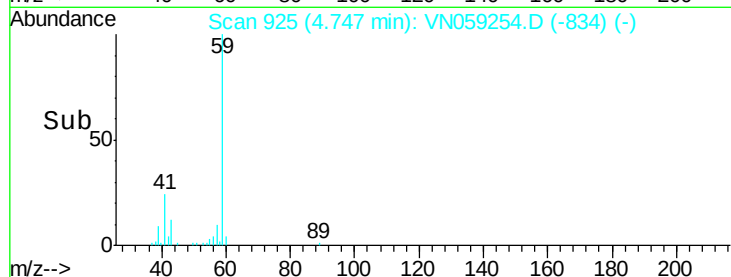
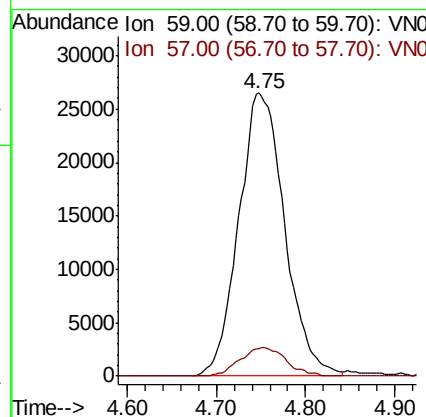
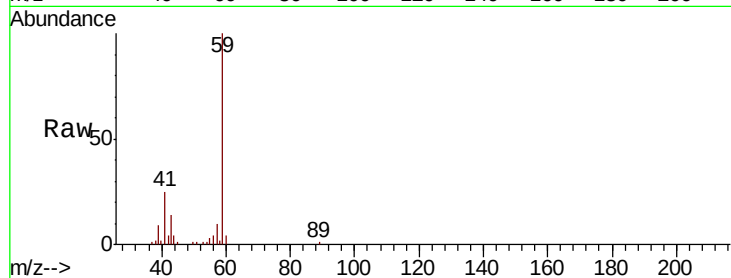
Tert butyl alcohol  
 Concen: 103.155 ug/l  
 RT: 4.75 min Scan# 925  
 Delta R.T. -0.01 min  
 Lab File: VN059254.D  
 Acq: 15 Nov 2019 10:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1115WBSD01

| Tot Ion   | 59   | Resp  | 94789 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 57        | 10.2 | 8.3   | 12.5  |

Manual Integrations  
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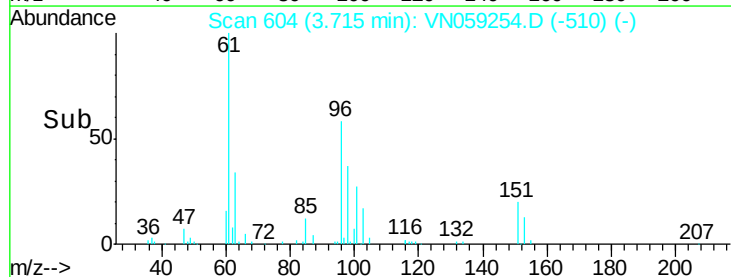
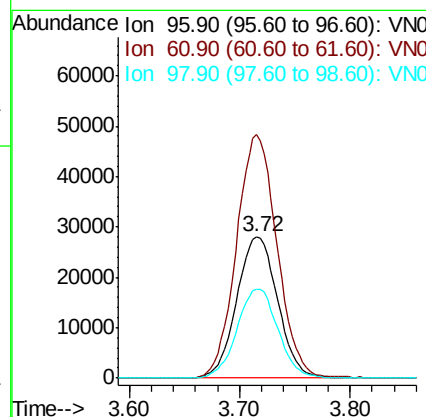
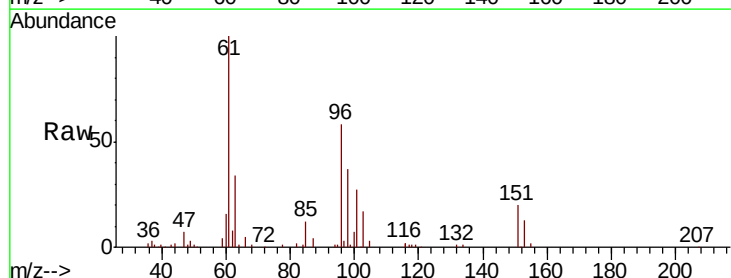
MMDadoda  
 11/18/2019 3:09:55 PM

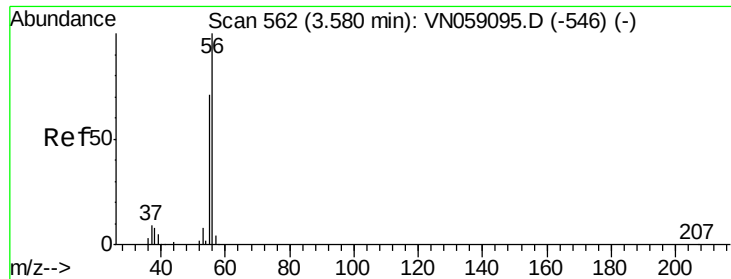


#12

1,1-Dichloroethene  
 Concen: 19.662 ug/l  
 RT: 3.72 min Scan# 604  
 Delta R.T. 0.00 min  
 Lab File: VN059254.D  
 Acq: 15 Nov 2019 10:56

| Tgt Ion   | 96    | Resp  | 71944 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 61        | 171.9 | 136.5 | 204.7 |
| 98        | 63.1  | 50.2  | 75.4  |





#13

Acrolein

Concen: 65.868 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

Instrument :

MSVOA\_N

ClientSampleId :

VN1115WBSD01

Tot Ion: 56 Resp: 31206

Ion Ratio Lower Upper

56 100

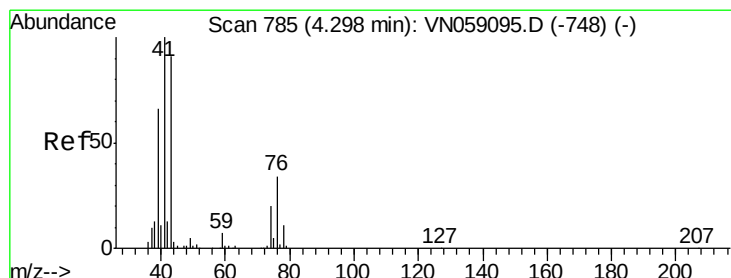
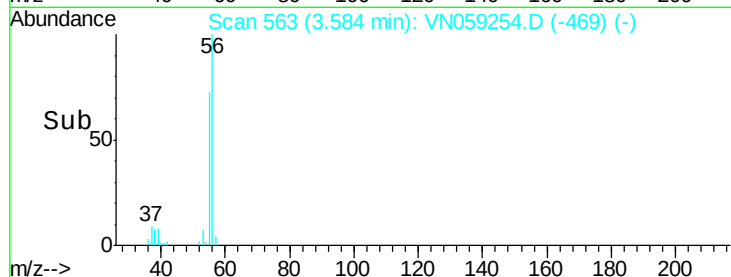
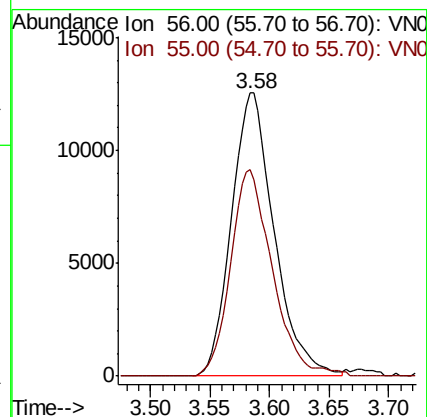
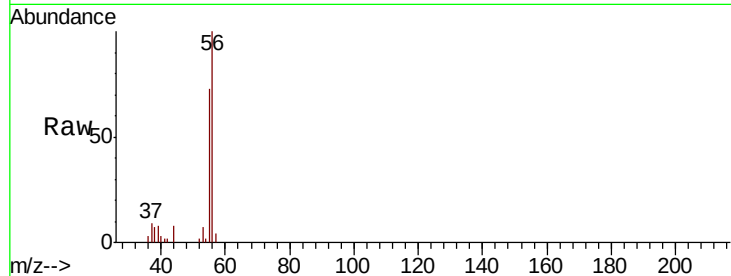
55 71.4 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 19.371 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

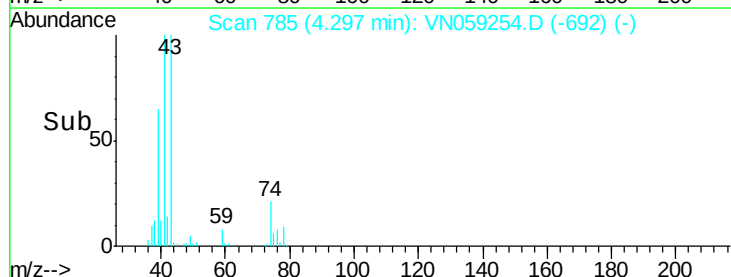
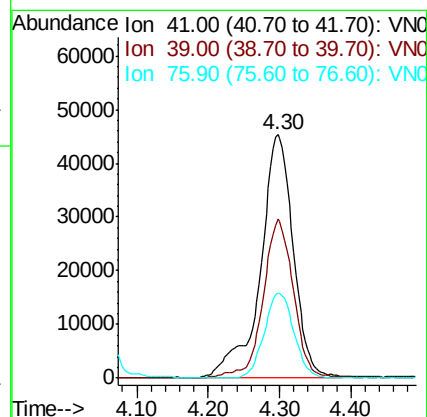
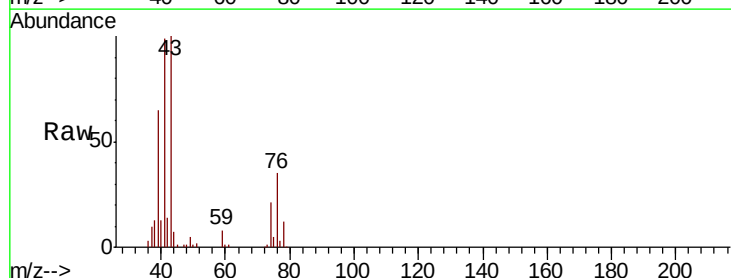
Tgt Ion: 41 Resp: 145596

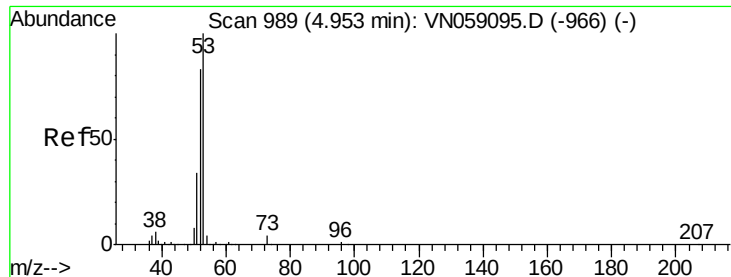
Ion Ratio Lower Upper

41 100

39 60.1 49.1 73.7

76 31.4 24.9 37.3





#15

Acrylonitrile

Concen: 108.909 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

Instrument :

MSVOA\_N

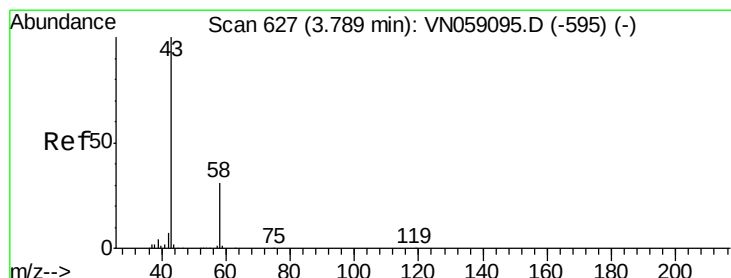
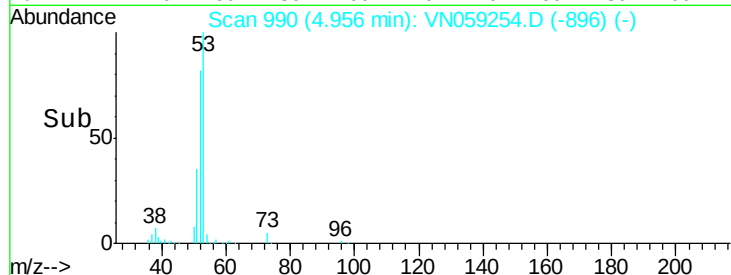
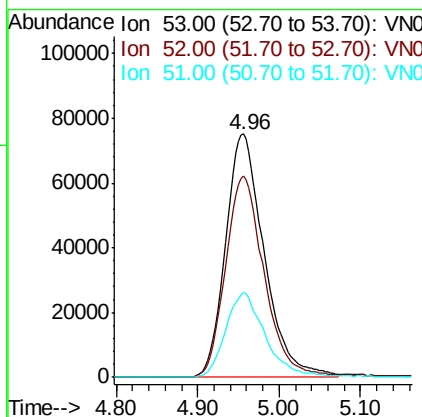
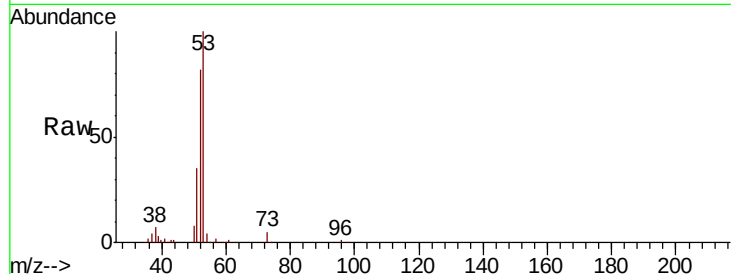
ClientSampleId :

VN1115WBSD01

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 249056 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 82.5 | 65.0  | 97.6   |
| 51        | 35.8 | 28.0  | 42.0   |

Manual Integrations  
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#16

Acetone

Concen: 81.078 ug/l

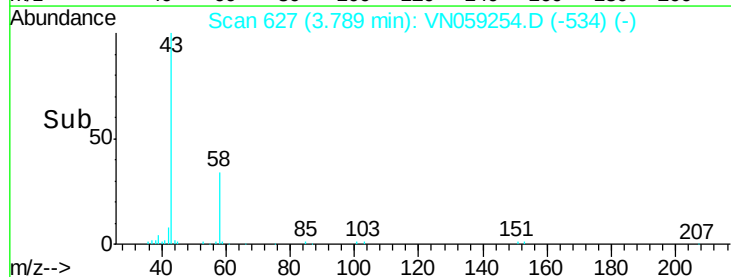
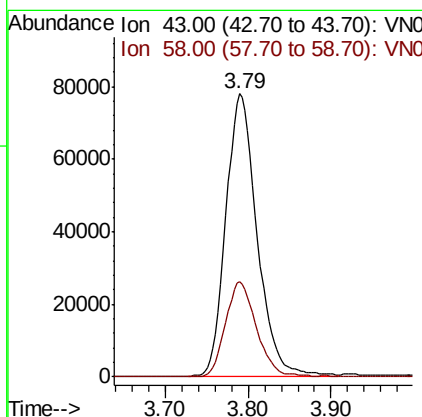
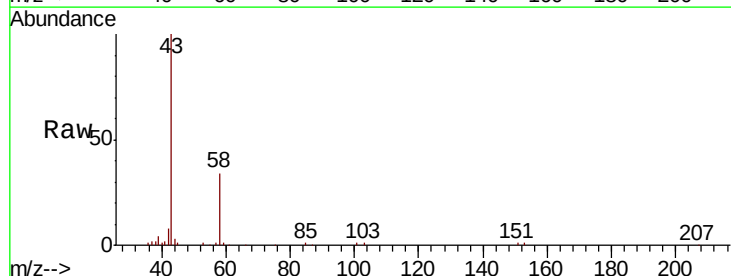
RT: 3.79 min Scan# 627

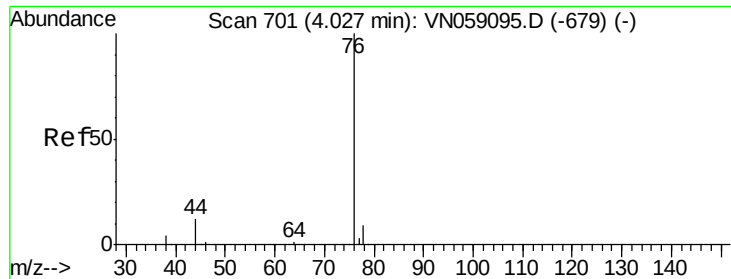
Delta R.T. -0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 203290 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 33.8 | 24.9  | 37.3   |





#17

Carbon Disulfide

Concen: 16.731 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

Instrument :

MSVOA\_N

ClientSampleId :

VN1115WBSD01

Tot Ion: 76 Resp: 190041

Ion Ratio Lower Upper

76 100

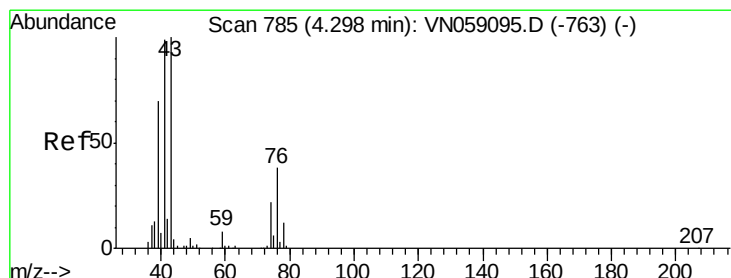
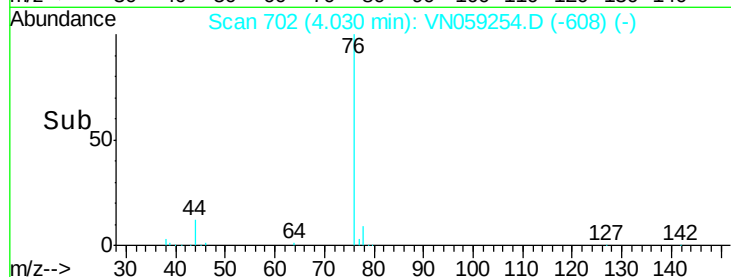
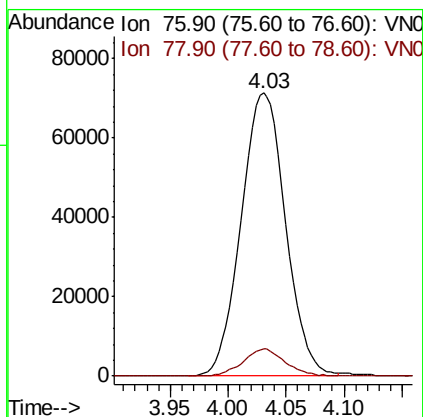
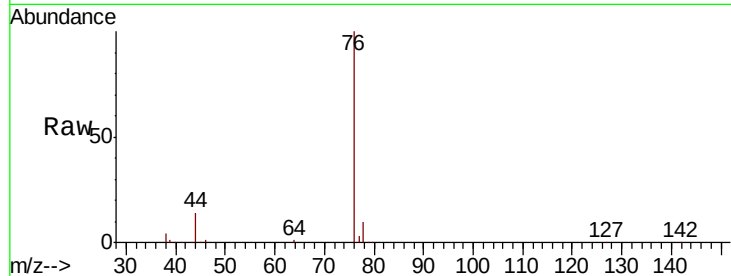
78 9.7 7.4 11.0

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#18

Methyl Acetate

Concen: 22.296 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059254.D

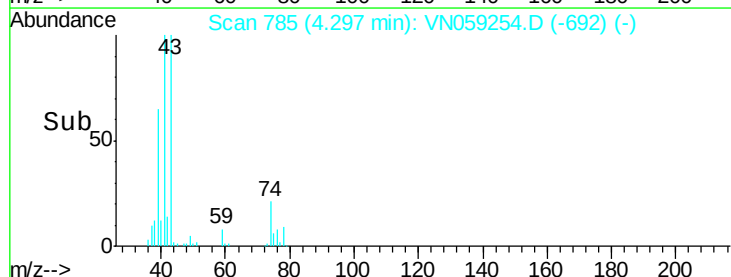
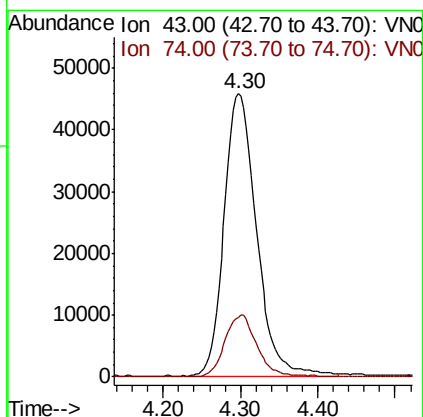
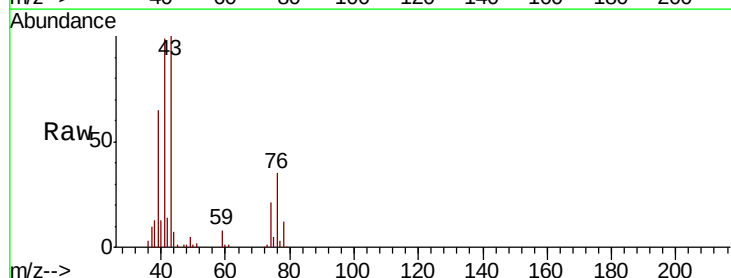
Acq: 15 Nov 2019 10:56

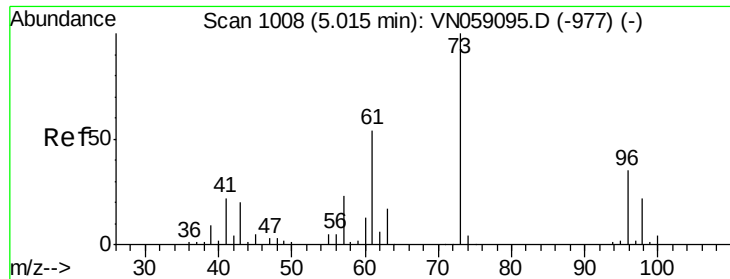
Tgt Ion: 43 Resp: 132690

Ion Ratio Lower Upper

43 100

74 21.6 17.8 26.8





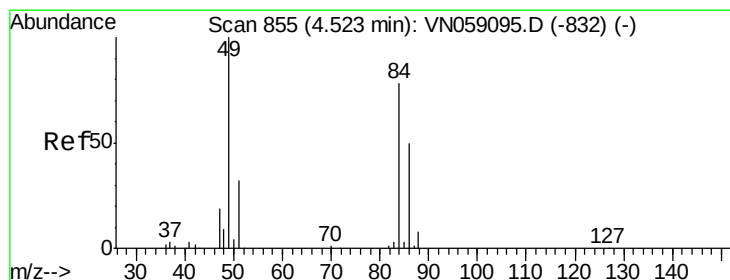
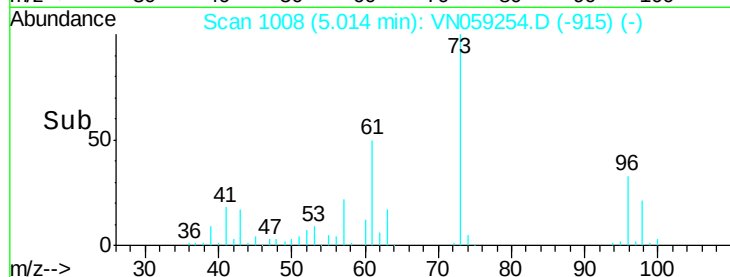
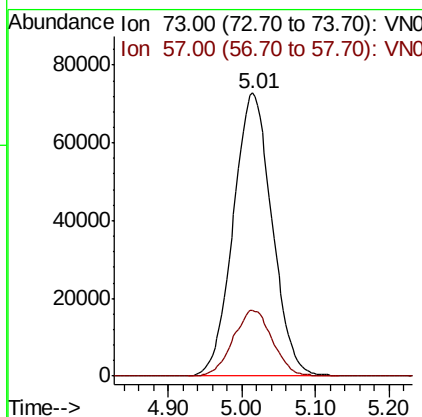
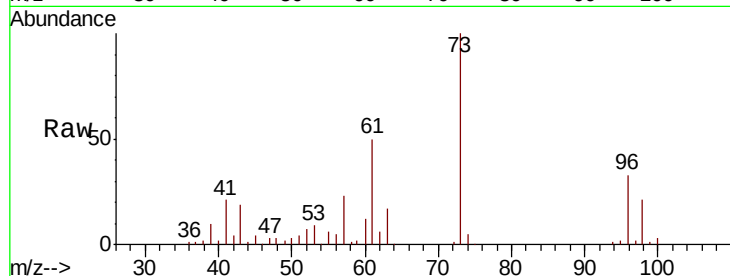
#19  
Methyl tert-butyl Ether  
Concen: 21.166 ug/l  
RT: 5.01 min Scan# 1008  
Delta R.T. -0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1115WBSD01

Tot Ion: 73 Resp: 266633  
Ion Ratio Lower Upper  
73 100  
57 23.2 18.4 27.6

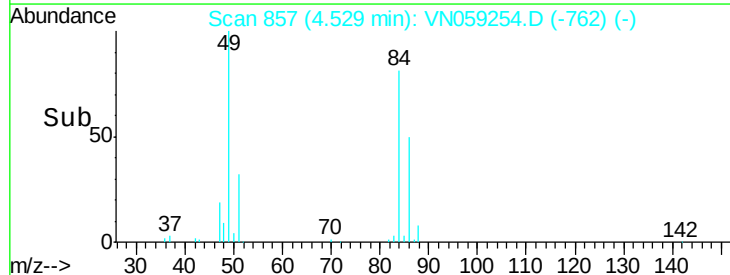
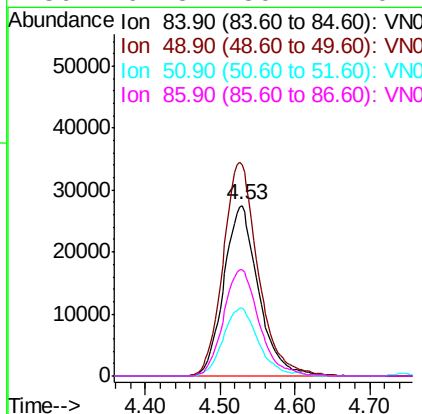
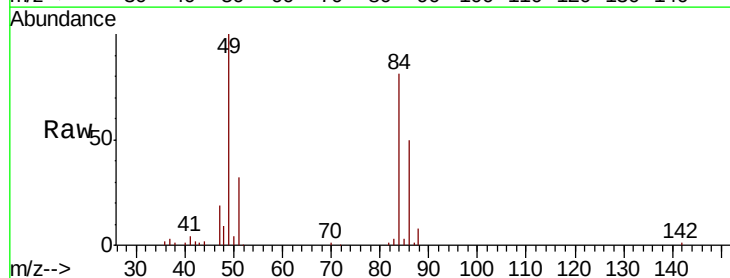
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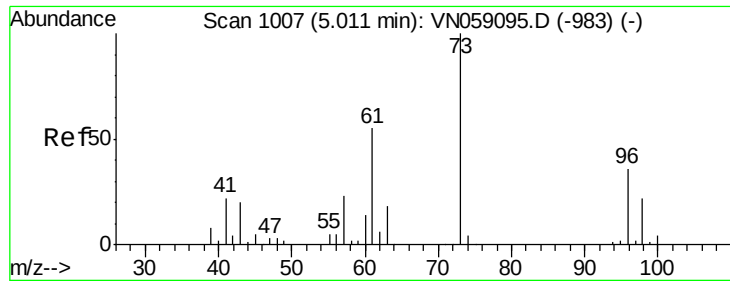
MMDadoda  
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#20  
Methylene Chloride  
Concen: 20.166 ug/l  
RT: 4.53 min Scan# 857  
Delta R.T. 0.01 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

Tgt Ion: 84 Resp: 88087  
Ion Ratio Lower Upper  
84 100  
49 124.0 102.0 153.0  
51 39.8 32.2 48.2  
86 62.3 50.7 76.1





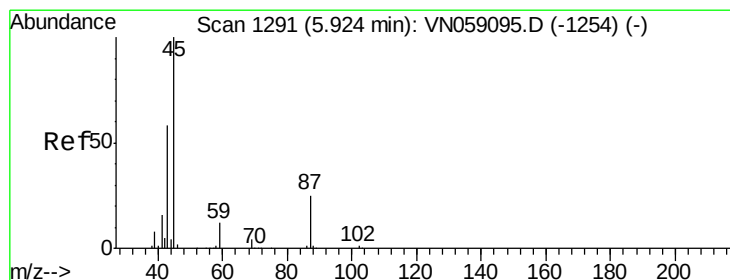
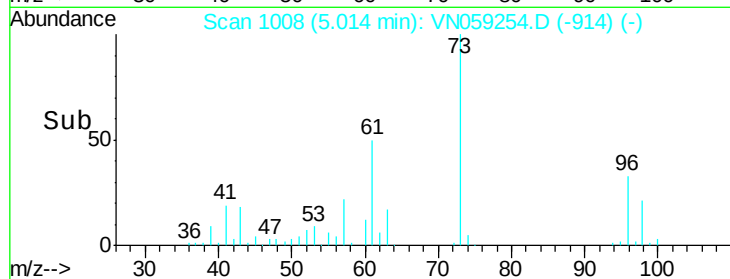
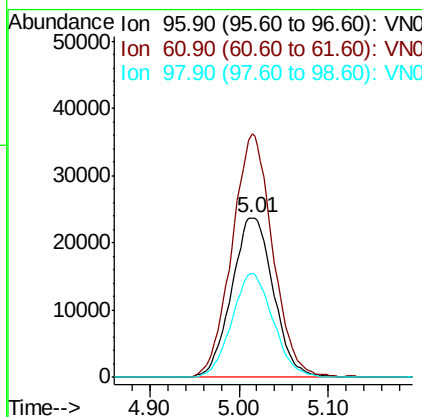
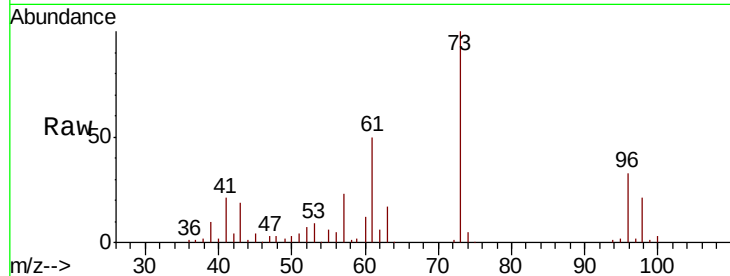
#21  
trans-1,2-Dichloroethene  
Concen: 19.724 ug/l  
RT: 5.01 min Scan# 1008  
Delta R.T. 0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1115WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 152.4 | 122.6 | 183.8 |
| 98      | 65.3  | 50.3  | 75.5  |

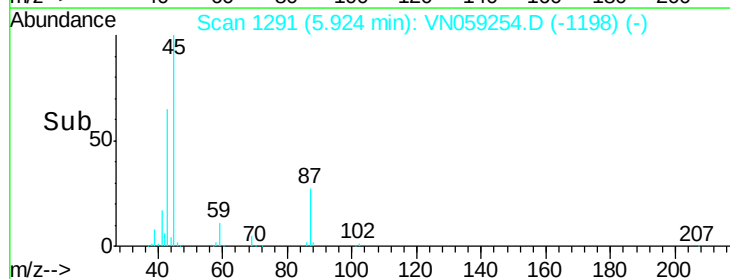
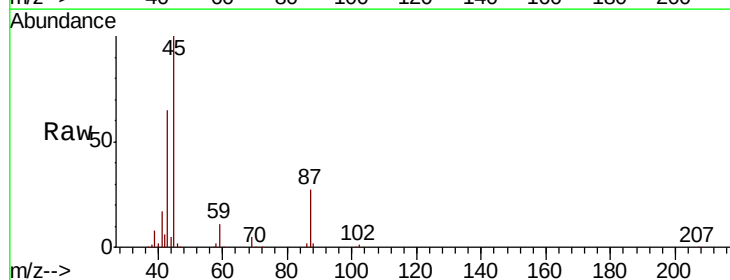
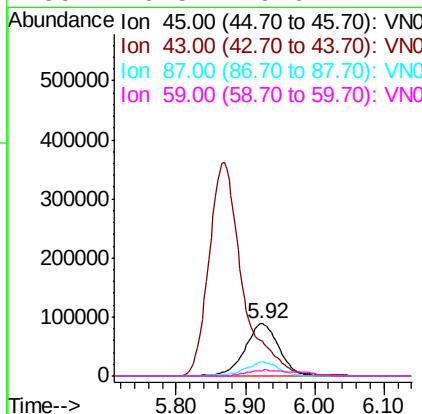
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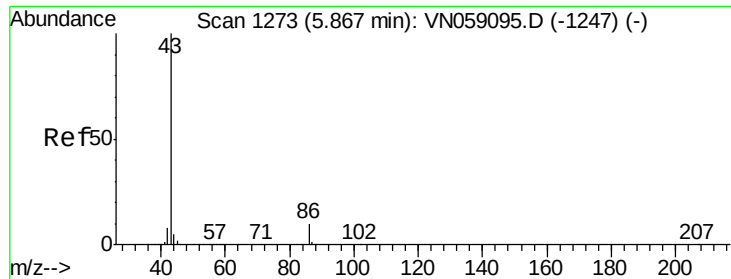


#22  
Diisopropyl ether  
Concen: 21.098 ug/l  
RT: 5.92 min Scan# 1291  
Delta R.T. -0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 63.8  | 46.7  | 70.1  |
| 87      | 26.5  | 20.5  | 30.7  |
| 59      | 10.5  | 9.6   | 14.4  |







#23

Vinyl Acetate

Concen: 110.383 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

Instrument :

MSVOA\_N

ClientSampleId :

VN1115WBSD01

Tot Ion: 43 Resp: 1214503

Ion Ratio Lower Upper

43 100

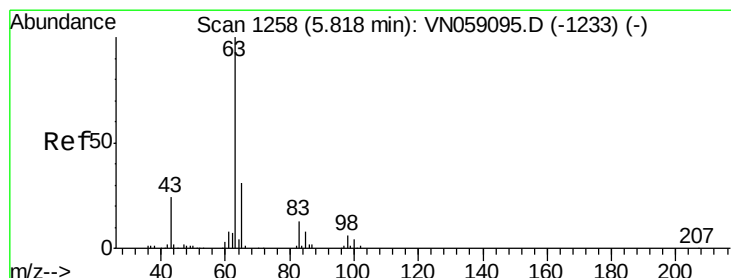
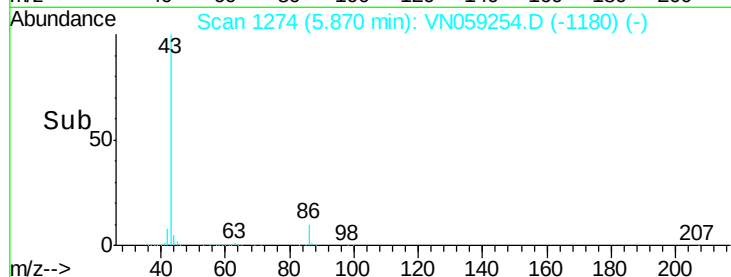
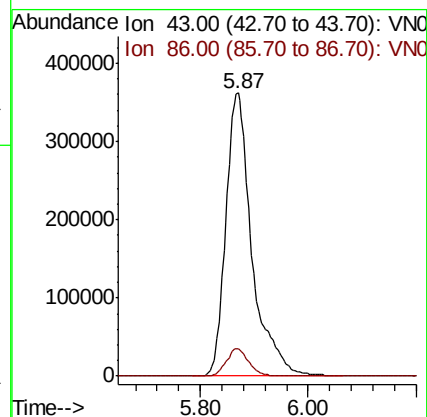
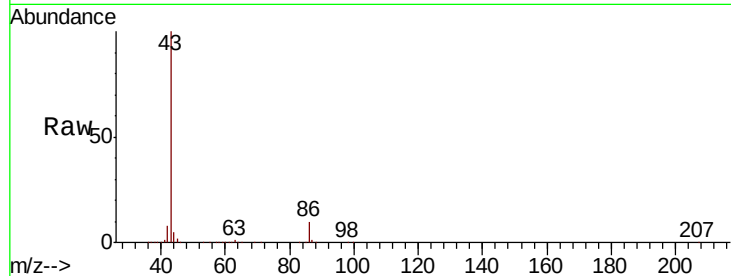
86 9.6 7.7 11.5

Manual Integrations

APPROVED

MMDadoda

11/18/2019 3:09:55 PM



#24

1,1-Dichloroethane

Concen: 20.817 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

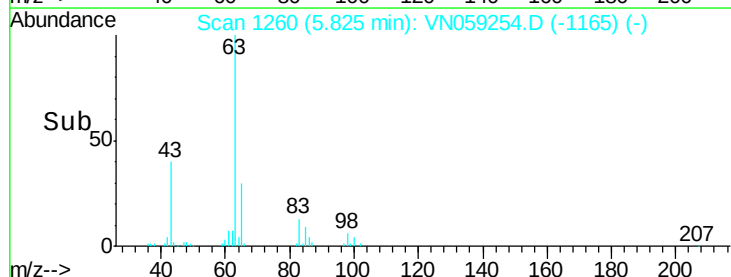
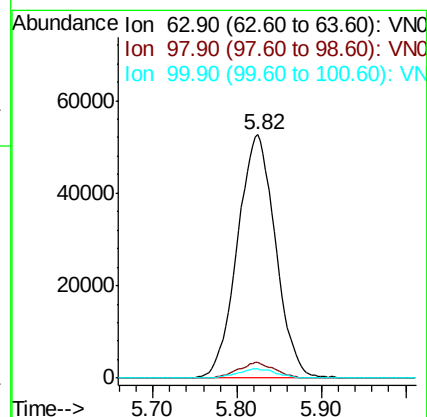
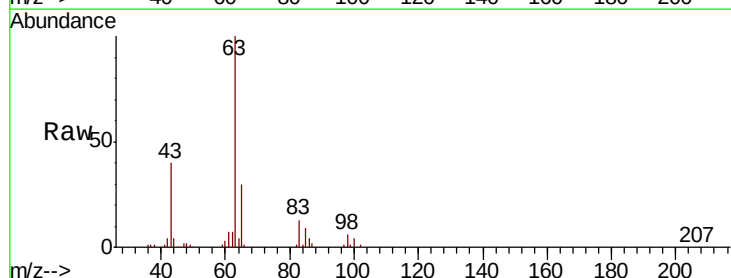
Tgt Ion: 63 Resp: 165059

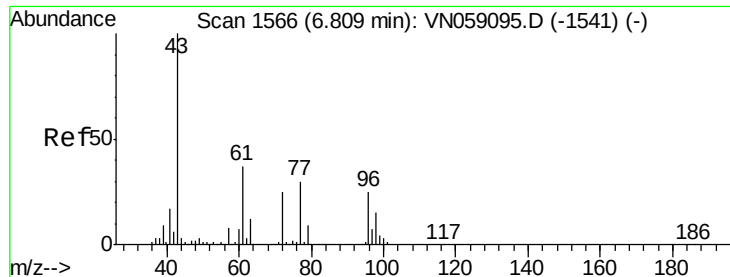
Ion Ratio Lower Upper

63 100

98 6.4 2.8 8.4

100 3.7 1.9 5.7





#25

2-Butanone

Concen: 99.296 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

Instrument :

MSVOA\_N

ClientSampleId :

VN1115WBSD01

Tot Ion: 43 Resp: 328128

Ion Ratio Lower Upper

43 100

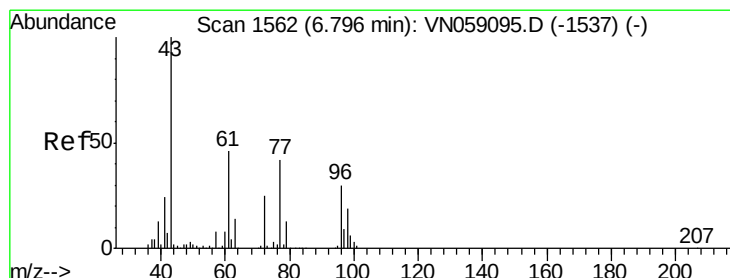
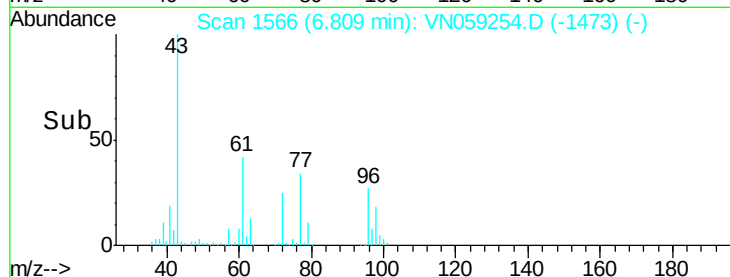
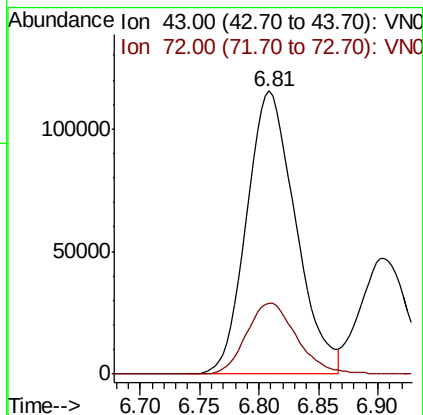
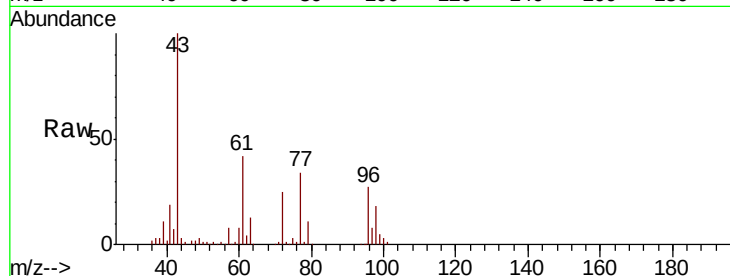
72 25.1 20.3 30.5

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11/18/2019 3:09:55 PM



#26

2,2-Dichloropropane

Concen: 19.725 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VN059254.D

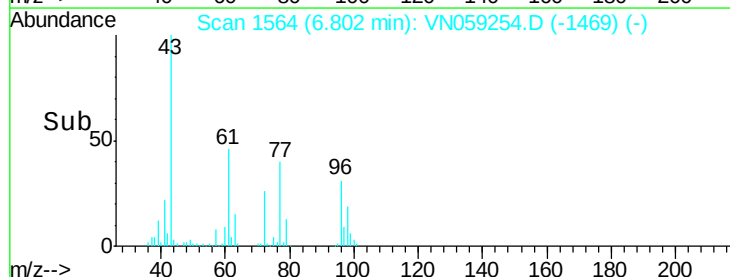
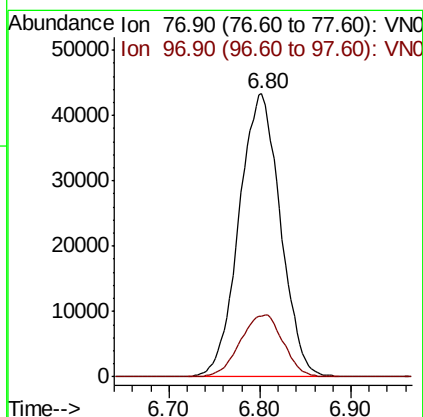
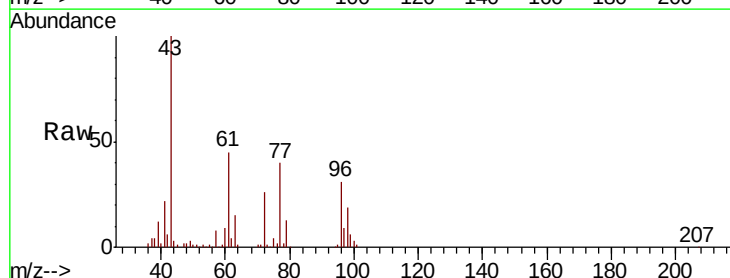
Acq: 15 Nov 2019 10:56

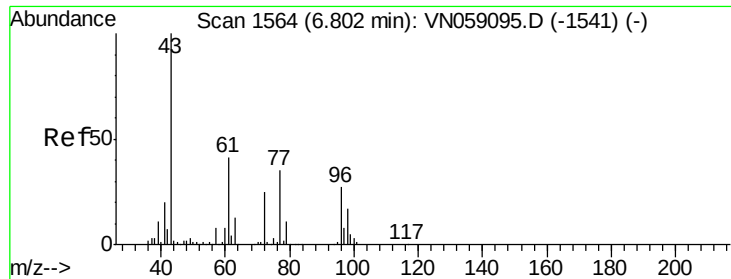
Tgt Ion: 77 Resp: 136758

Ion Ratio Lower Upper

77 100

97 22.7 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 20.585 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

Instrument :

MSVOA\_N

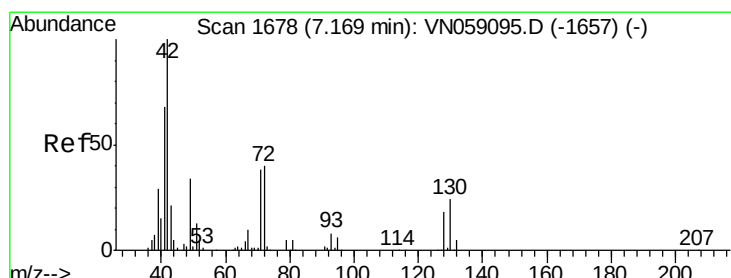
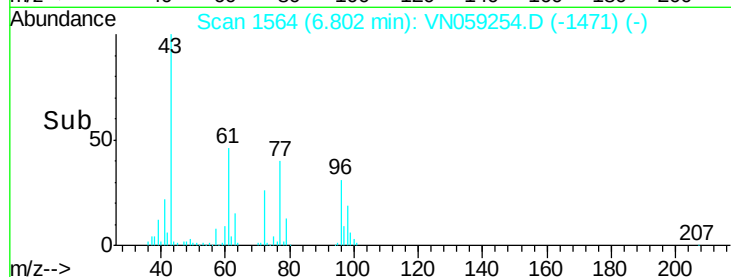
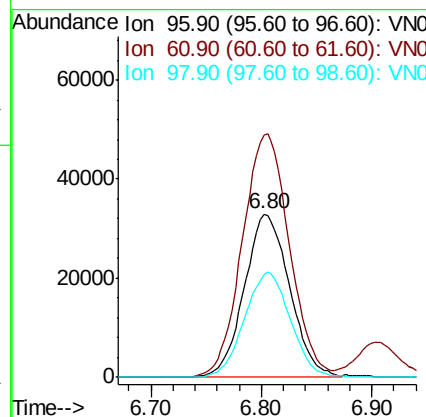
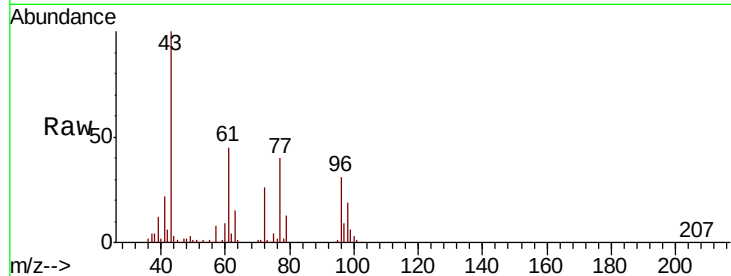
ClientSampleId :

VN1115WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 93796 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 155.1 | 0.0   | 311.6 |
| 98       | 65.2  | 0.0   | 129.8 |

Manual Integrations  
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#28

Bromochloromethane

Concen: 19.950 ug/l

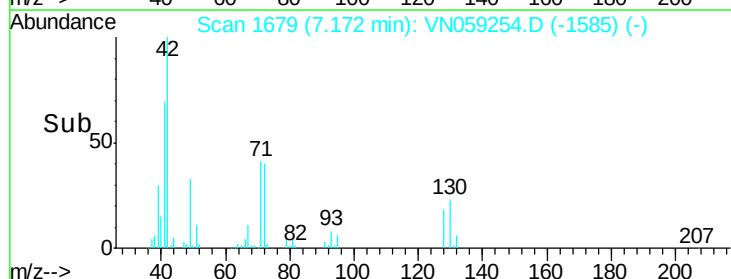
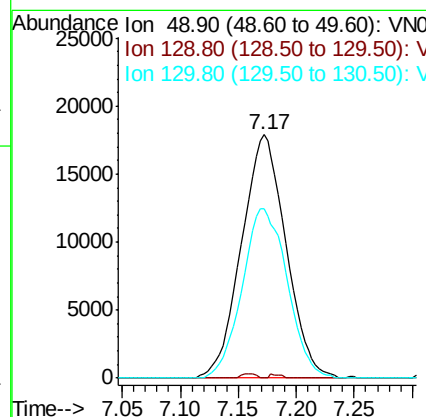
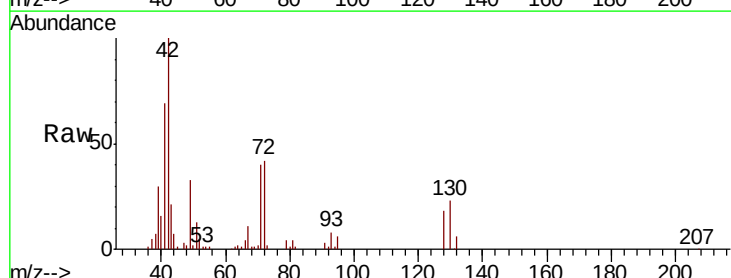
RT: 7.17 min Scan# 1679

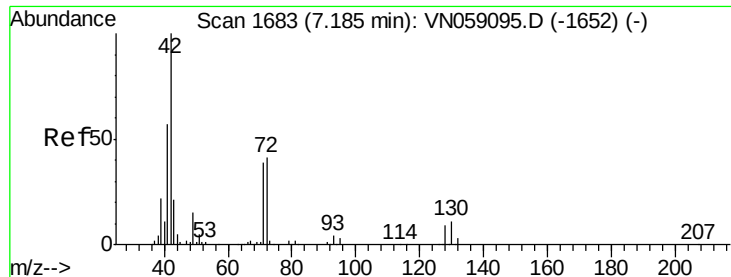
Delta R.T. 0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 47591 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 0.4   | 0.0   | 3.8   |
| 130      | 70.6  | 55.6  | 83.4  |





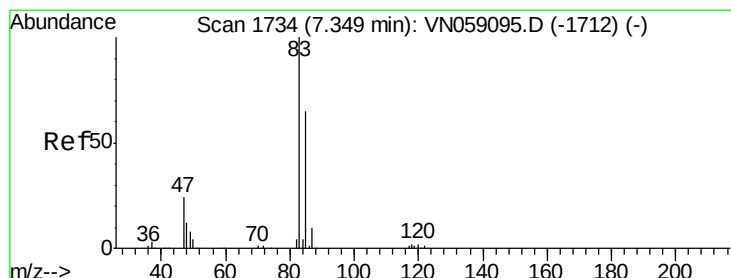
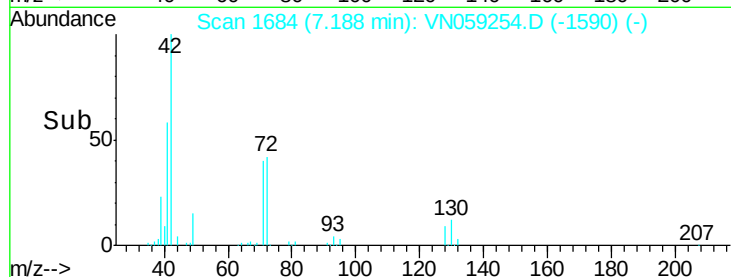
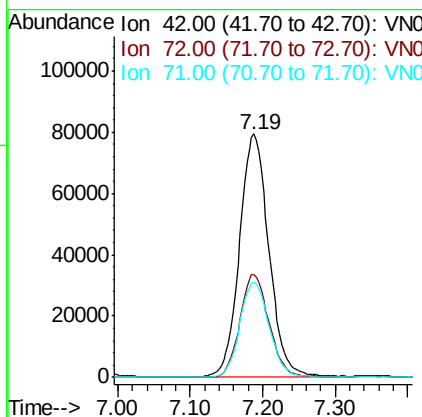
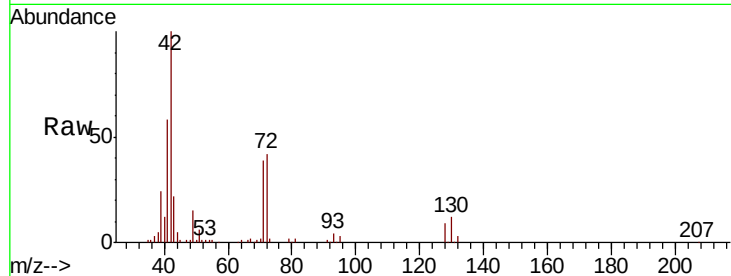
#29  
Tetrahydrofuran  
Concen: 107.007 ug/l  
RT: 7.19 min Scan# 1684  
Delta R.T. 0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1115WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 41.7  | 33.1  | 49.7  |
| 71      | 39.1  | 30.9  | 46.3  |

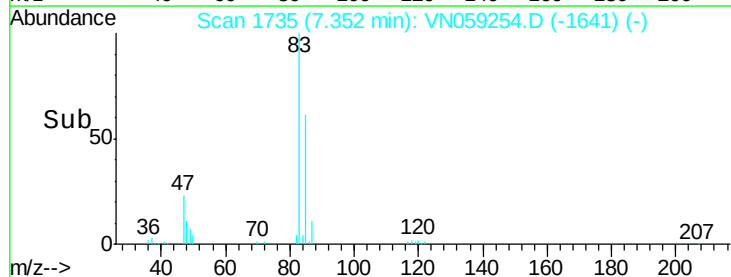
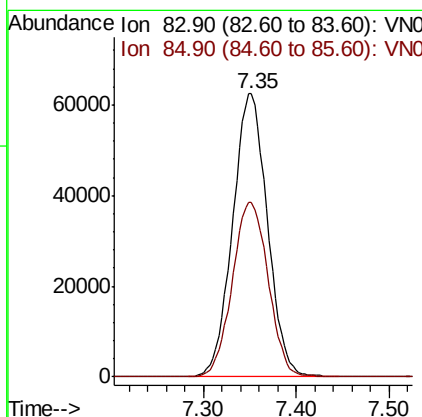
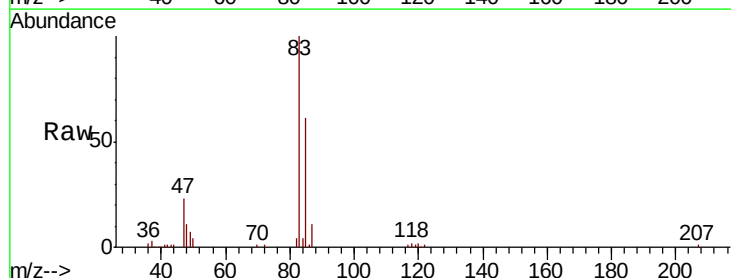
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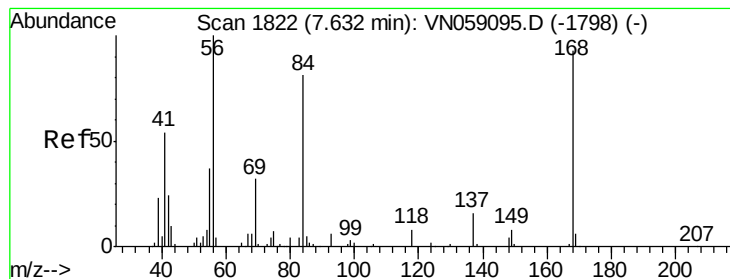
MMDadoda  
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#30  
Chloroform  
Concen: 21.380 ug/l  
RT: 7.35 min Scan# 1735  
Delta R.T. 0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 61.5  | 51.8  | 77.8  |





#31

Cyclohexane

Concen: 18.441 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

Instrument :

MSVOA\_N

ClientSampleId :

VN1115WBSD01

Tot Ion: 56 Resp: 138426

Ion Ratio Lower Upper

56 100

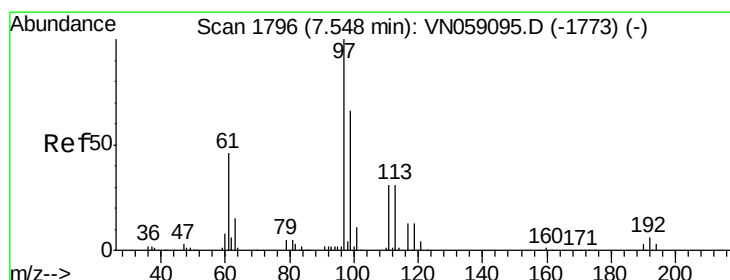
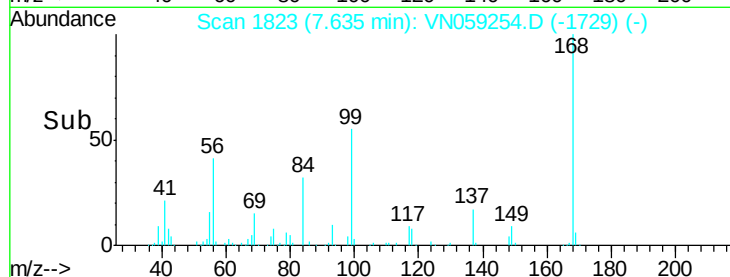
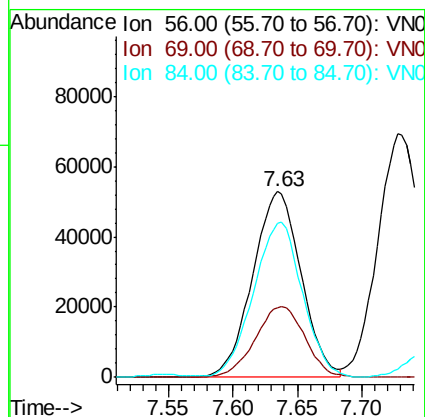
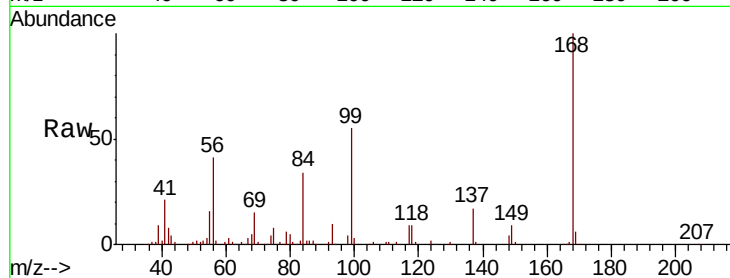
69 37.4 25.8 38.8

84 81.5 65.0 97.4

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#32

1,1,1-Trichloroethane

Concen: 20.934 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

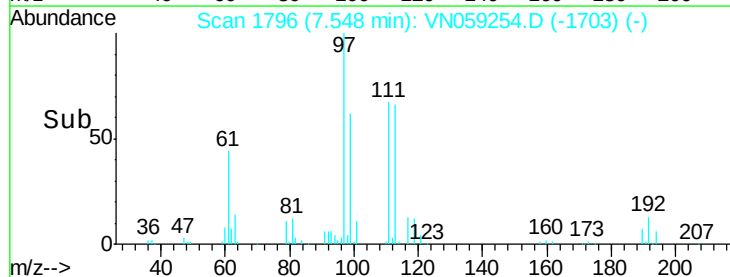
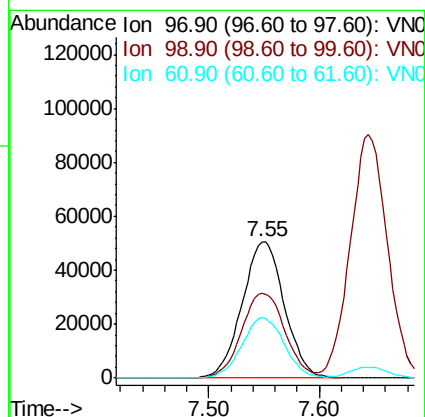
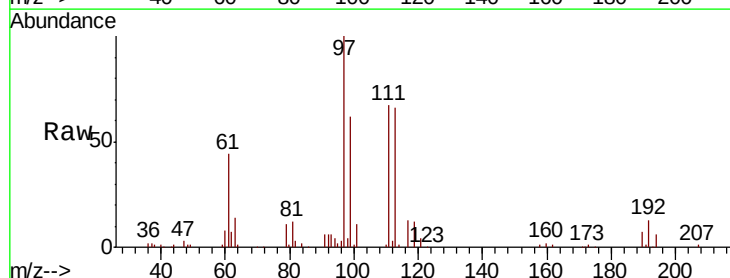
Tgt Ion: 97 Resp: 133874

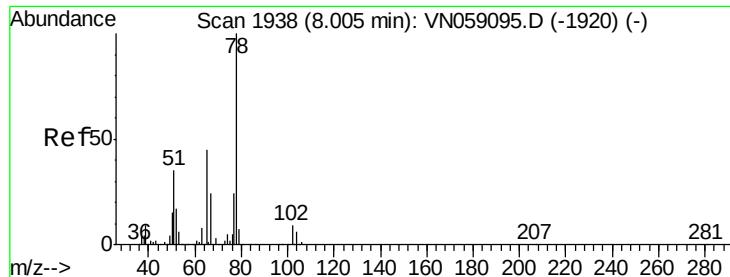
Ion Ratio Lower Upper

97 100

99 64.2 51.0 76.6

61 44.7 35.8 53.8





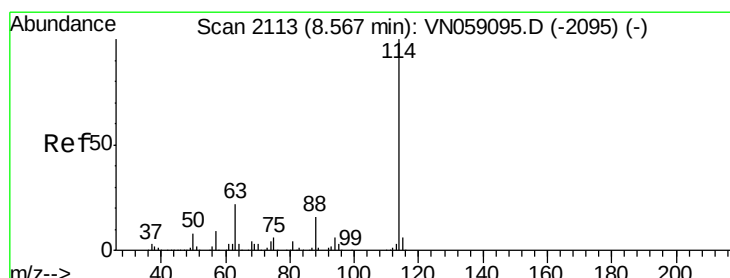
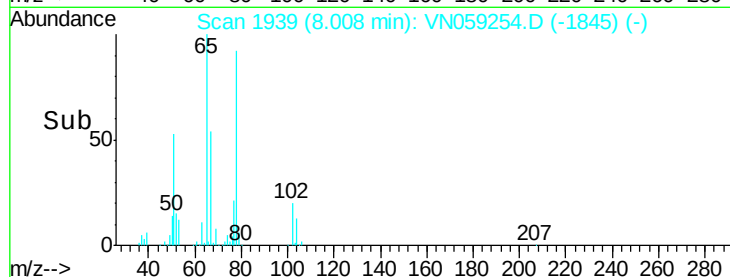
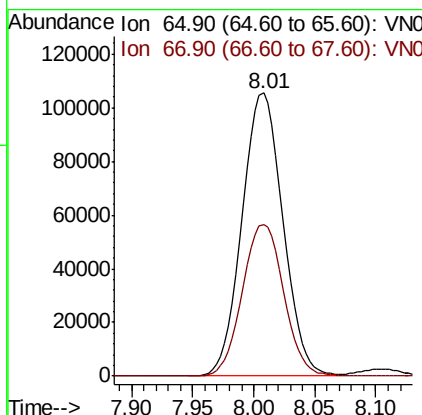
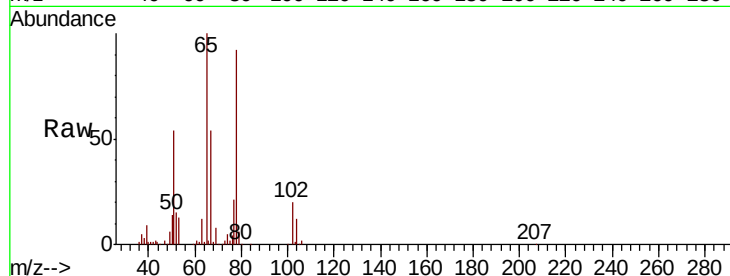
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.860 ug/l  
 RT: 8.01 min Scan# 1939  
 Delta R.T. 0.00 min  
 Lab File: VN059254.D  
 Acq: 15 Nov 2019 10:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1115WBSD01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 54.3  | 0.0  | 107.4 |       |

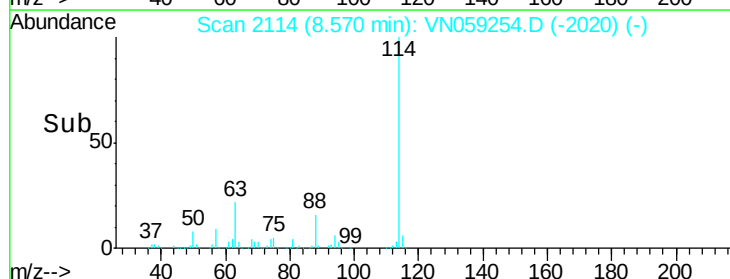
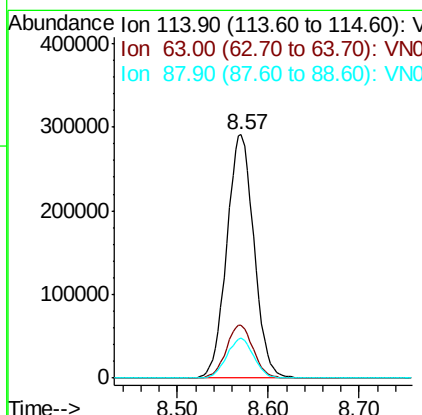
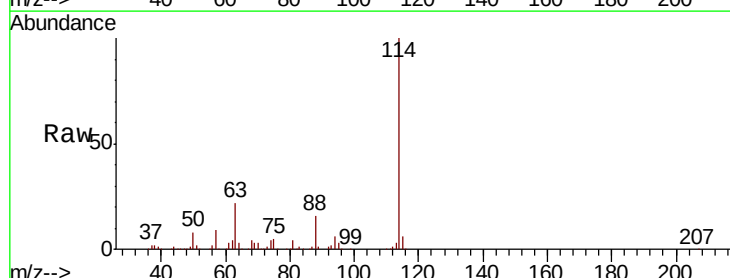
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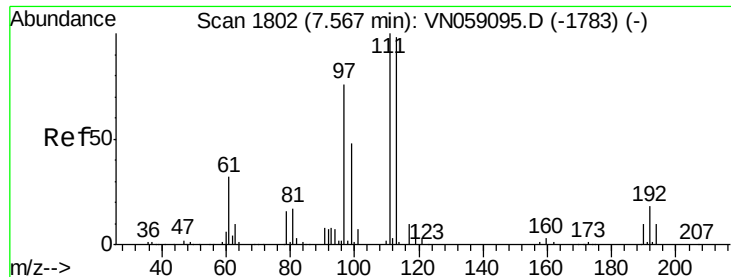
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2114  
 Delta R.T. 0.00 min  
 Lab File: VN059254.D  
 Acq: 15 Nov 2019 10:56

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 21.7  | 0.0  | 43.4  |       |
| 88      | 16.3  | 0.0  | 32.2  |       |





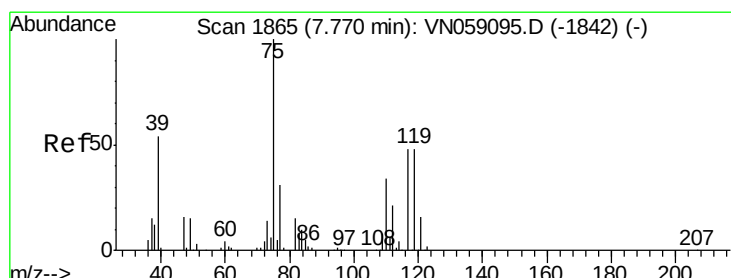
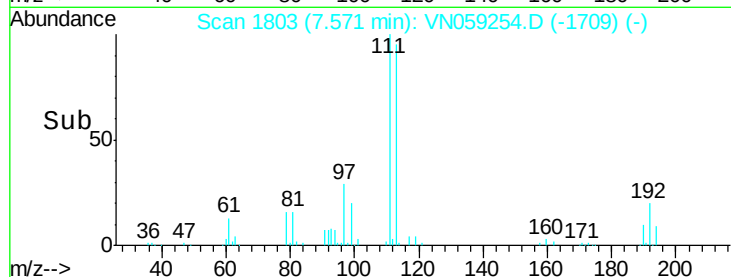
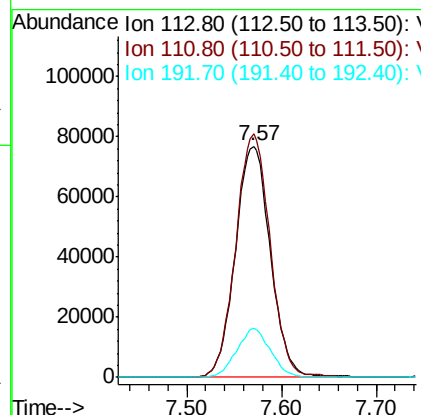
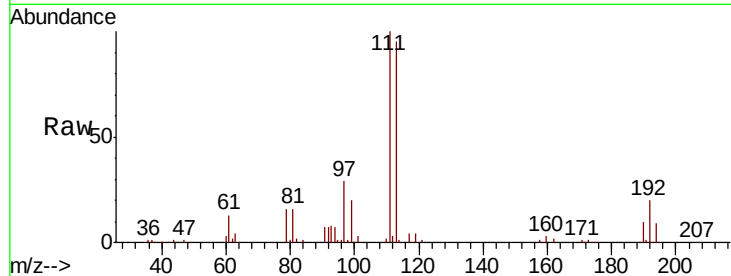
#35  
Dibromofluoromethane  
Concen: 54.788 ug/l  
RT: 7.57 min Scan# 1803  
Delta R.T. 0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1115WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 197679 |       |       |
| 111     | 103.8 | 82.8   | 124.2 |       |
| 192     | 20.3  | 16.1   | 24.1  |       |

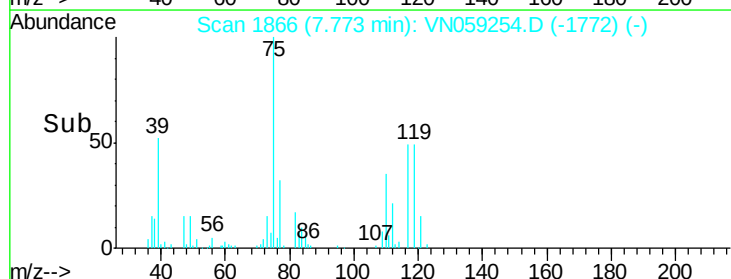
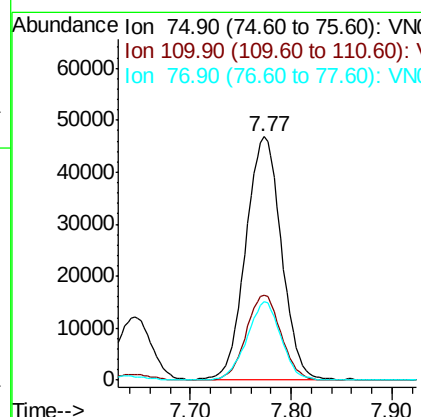
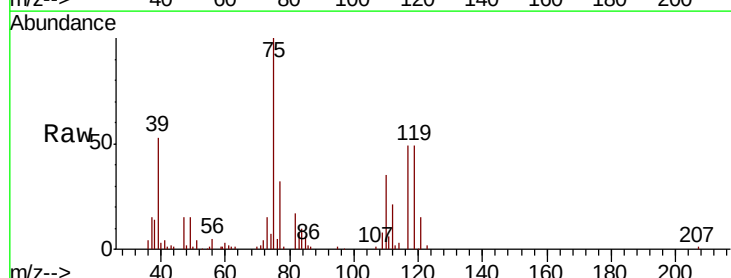
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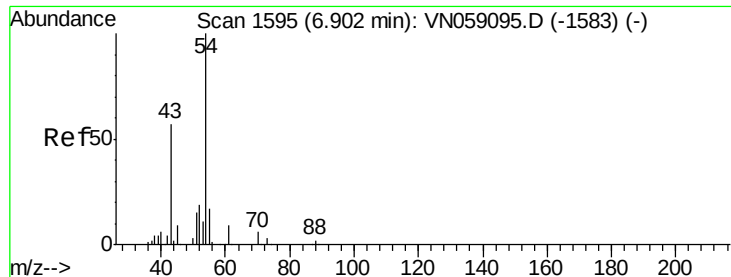
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#36  
1,1-Dichloropropene  
Concen: 20.178 ug/l  
RT: 7.77 min Scan# 1866  
Delta R.T. 0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 113968 |       |       |
| 110     | 34.4  | 17.1   | 51.2  |       |
| 77      | 31.1  | 24.8   | 37.2  |       |





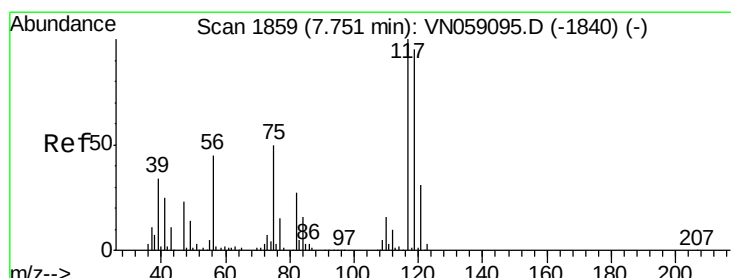
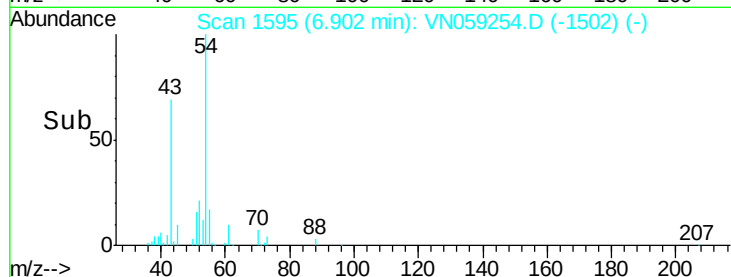
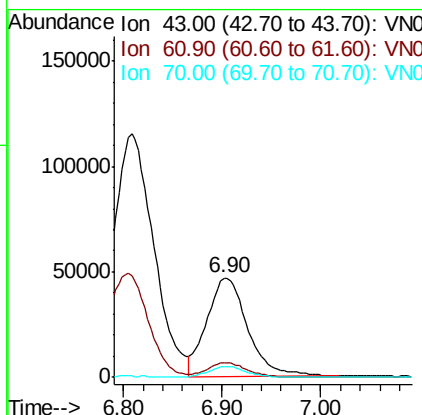
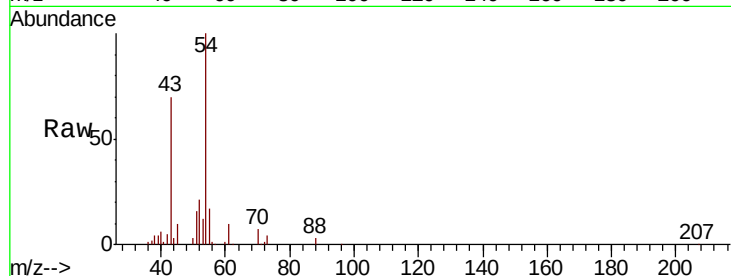
#37  
Ethyl Acetate  
Concen: 21.480 ug/l  
RT: 6.90 min Scan# 1595  
Delta R.T. -0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1115WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.1  | 11.2  | 16.8  |
| 70      | 10.3  | 7.8   | 11.8  |

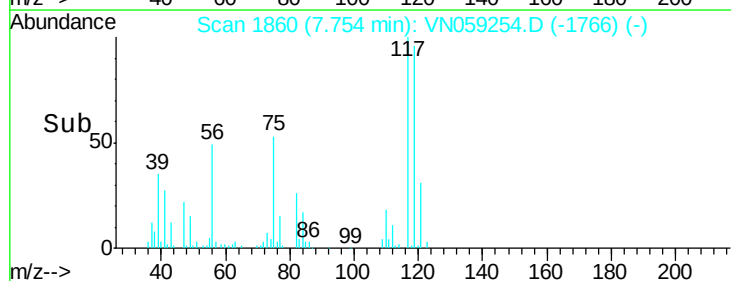
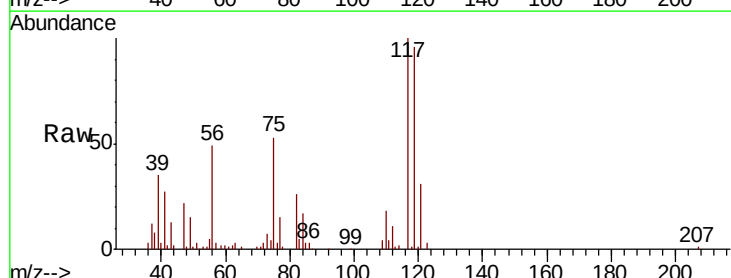
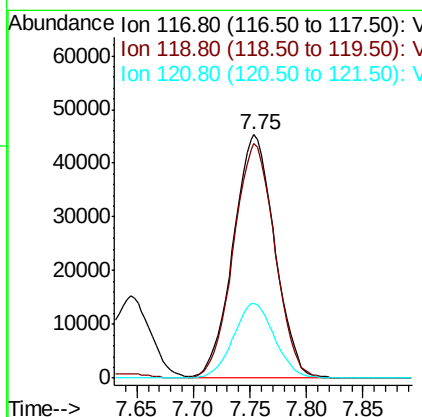
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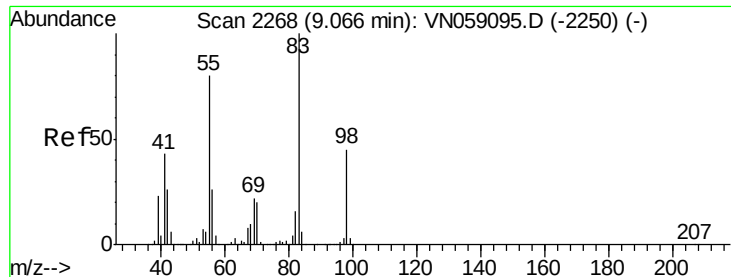


#38  
Carbon Tetrachloride  
Concen: 20.554 ug/l  
RT: 7.75 min Scan# 1860  
Delta R.T. 0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.4  | 75.6  | 113.4 |
| 121     | 30.9  | 24.6  | 36.8  |







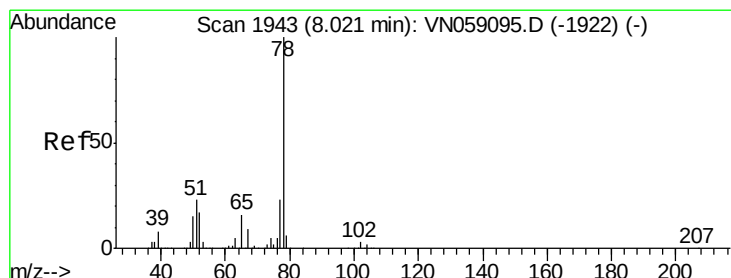
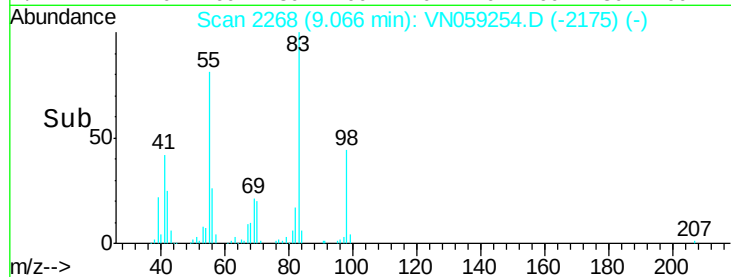
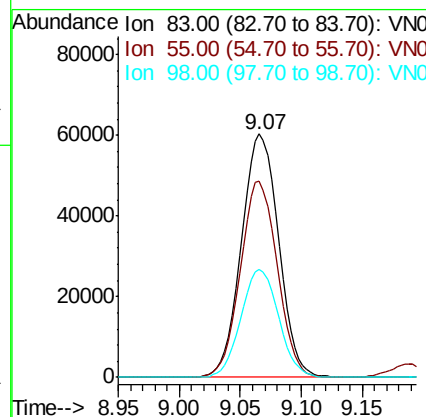
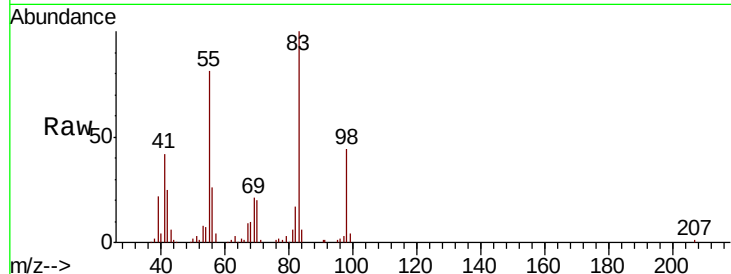
#39  
Methylvlcyclohexane  
Concen: 19.388 ug/l  
RT: 9.07 min Scan# 2268  
Delta R.T. -0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1115WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 127091 |       |       |
| 55      | 80.9  | 63.9   | 95.9  |       |
| 98      | 44.3  | 35.6   | 53.4  |       |

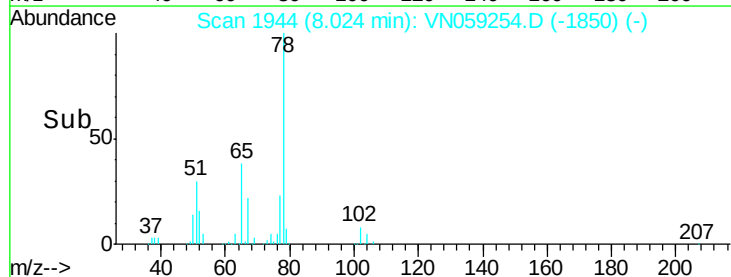
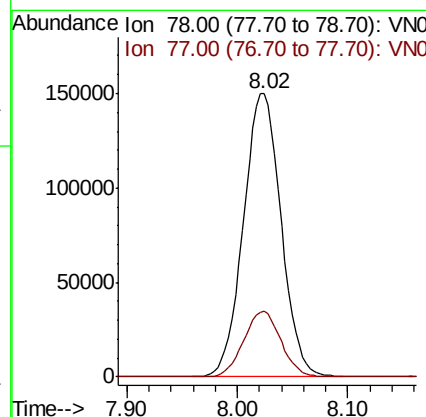
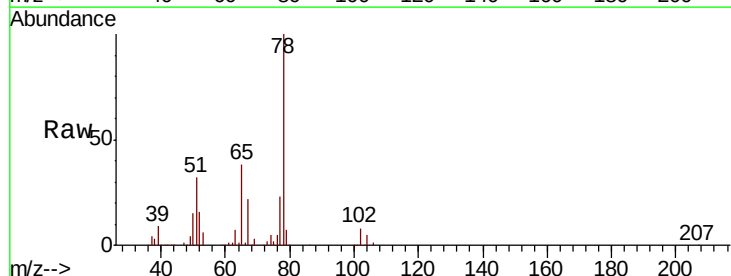
Manual Integrations  
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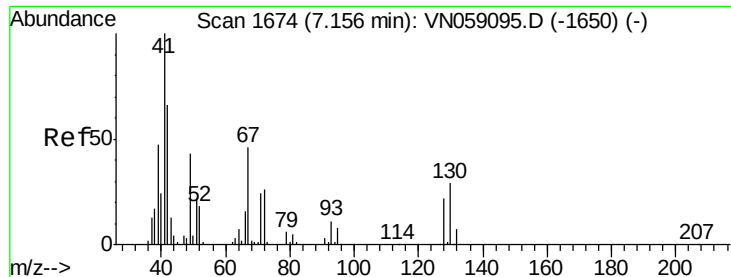
MMDadoda  
11/18/2019 3:09:55 PM



#40  
Benzene  
Concen: 20.844 ug/l  
RT: 8.02 min Scan# 1944  
Delta R.T. 0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 354529 |       |       |
| 77      | 23.1  | 18.8   | 28.2  |       |





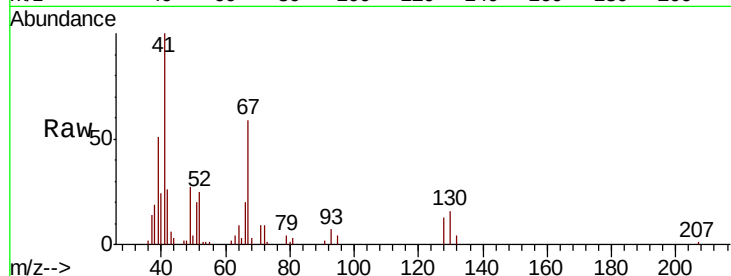
#41  
Methacrylonitrile  
Concen: 21.919 ug/l m  
RT: 7.15 min Scan# 1672  
Delta R.T. -0.01 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1115WBSD01

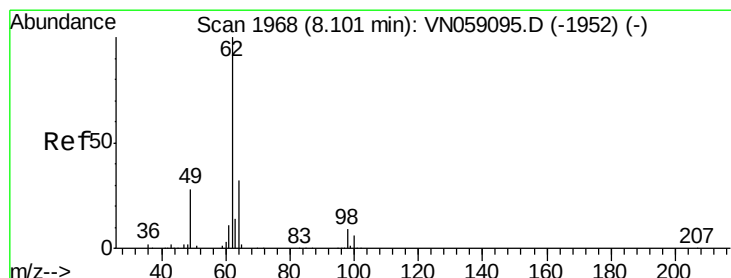
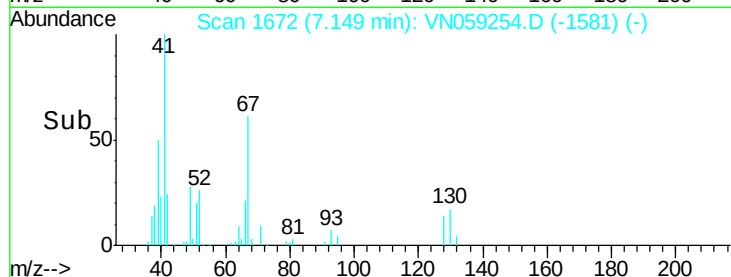
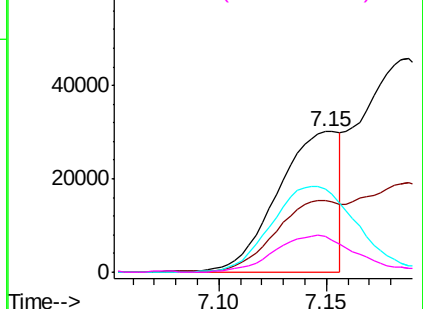
| Tot Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 41      | 100 |       | 59889 |       |       |
| 39      | 0.0 | 0.0   | 0.0   |       |       |
| 67      | 0.0 | 0.0   | 0.0   |       |       |
| 52      | 0.0 | 0.0   | 0.0   |       |       |

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11/18/2019 3:09:55 PM

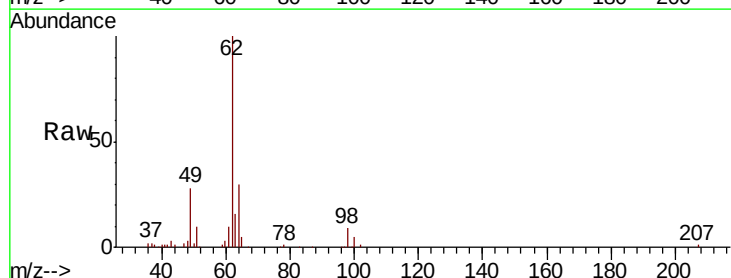


Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0  
Ion 67.00 (66.70 to 67.70): VN0  
Ion 52.00 (51.70 to 52.70): VN0

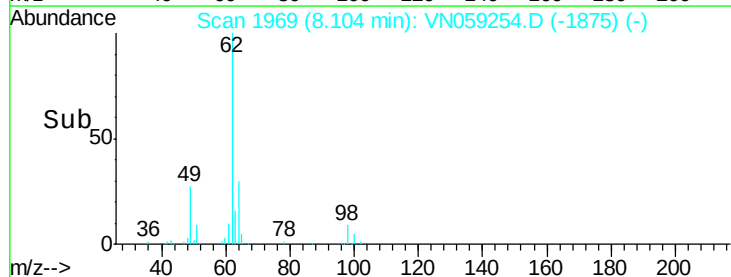
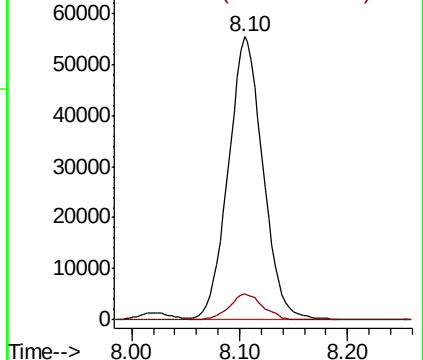


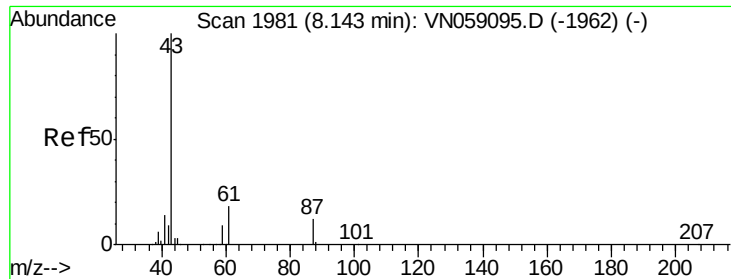
#42  
1,2-Dichloroethane  
Concen: 21.228 ug/l  
RT: 8.10 min Scan# 1969  
Delta R.T. 0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 62      | 100 |       | 123836 |       |       |
| 98      | 8.8 | 0.0   | 17.8   |       |       |



Abundance Ion 61.90 (61.60 to 62.60): VN0  
Ion 97.90 (97.60 to 98.60): VN0





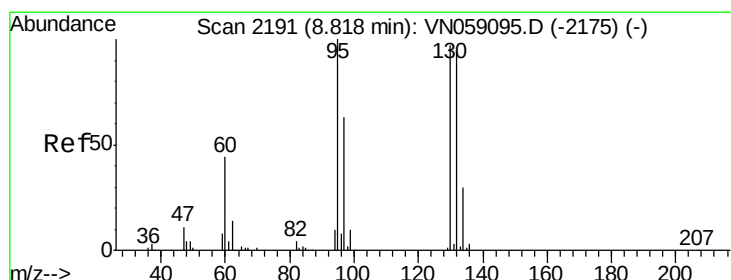
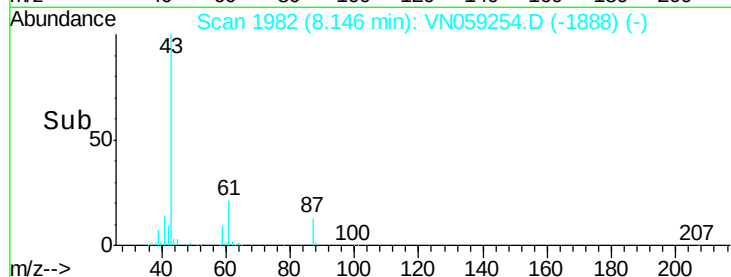
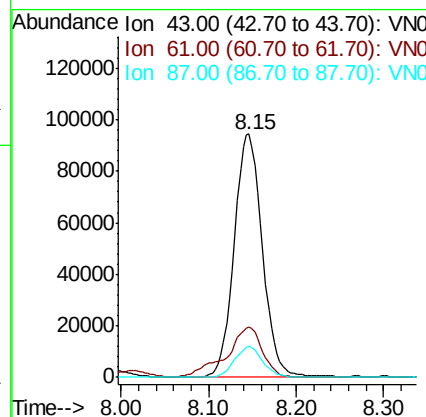
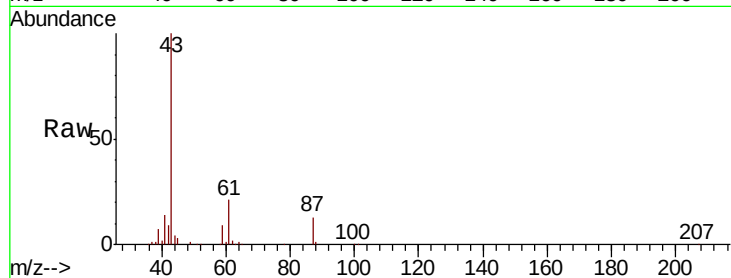
#43  
Isopropyl Acetate  
Concen: 21.104 ug/l  
RT: 8.15 min Scan# 1982  
Delta R.T. 0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1115WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 26.6  | 21.0  | 31.6  |
| 87      | 12.6  | 9.8   | 14.6  |

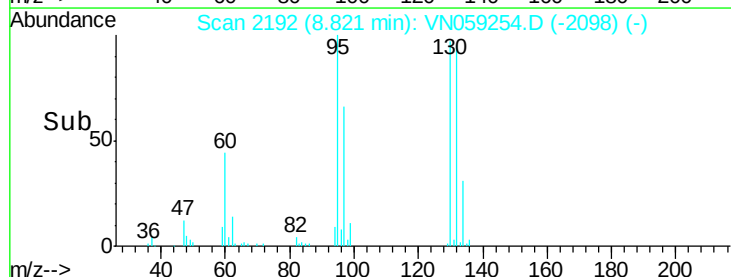
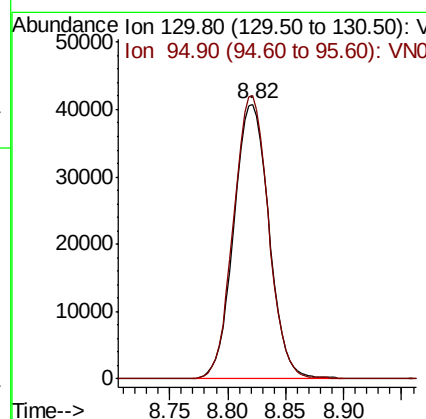
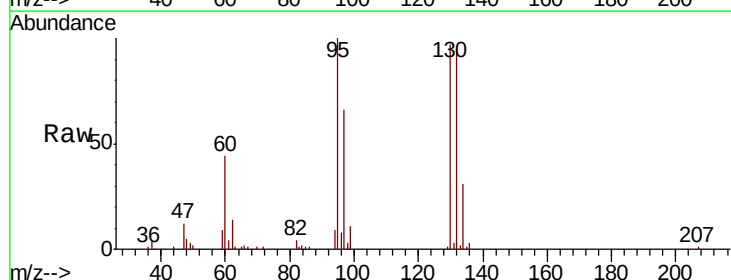
Manual Integrations  
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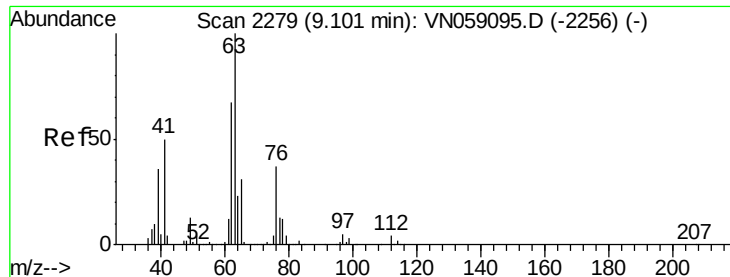
MMDadoda  
11/18/2019 3:09:55 PM



#44  
Trichloroethene  
Concen: 20.549 ug/l  
RT: 8.82 min Scan# 2192  
Delta R.T. 0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 102.9 | 0.0   | 206.4 |





#45

1,2-Dichloropropane

Concen: 21.343 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

Instrument :

MSVOA\_N

ClientSampleId :

VN1115WBSD01

Tot Ion: 63 Resp: 98603

Ion Ratio Lower Upper

63 100

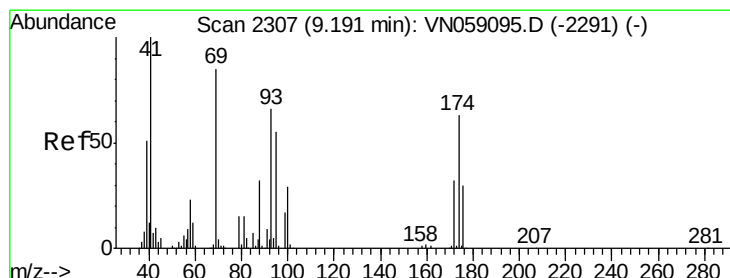
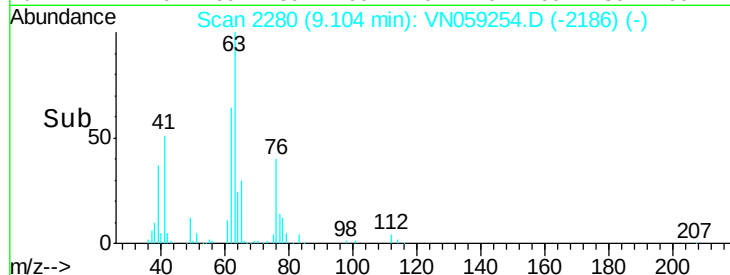
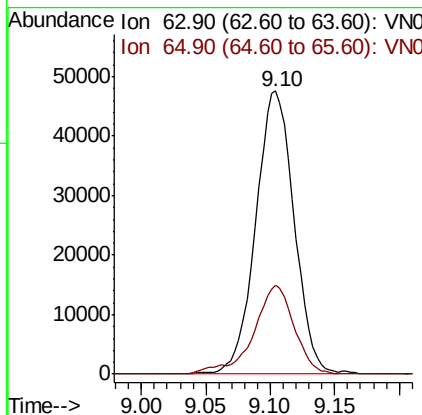
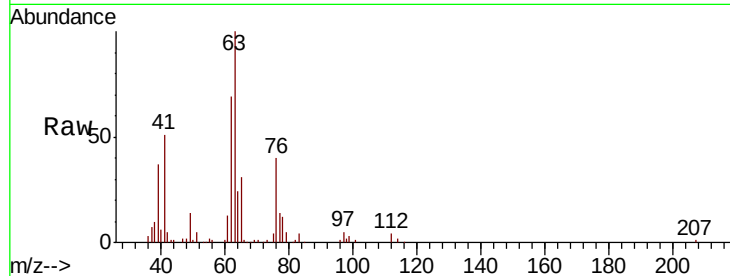
65 31.3 24.6 37.0

Manual Integrations

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MMDadoda

11/18/2019 3:09:55 PM



#46

Dibromomethane

Concen: 20.550 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

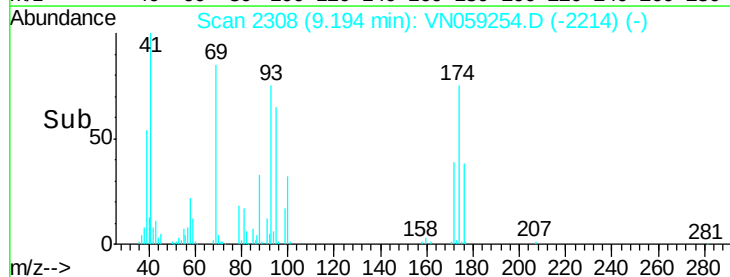
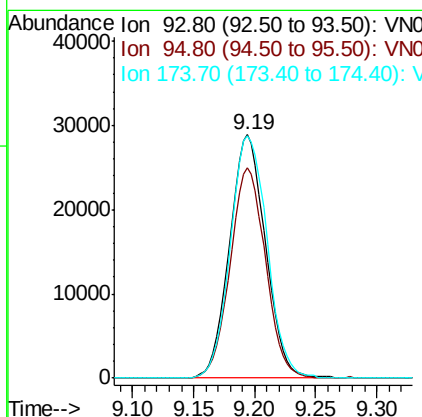
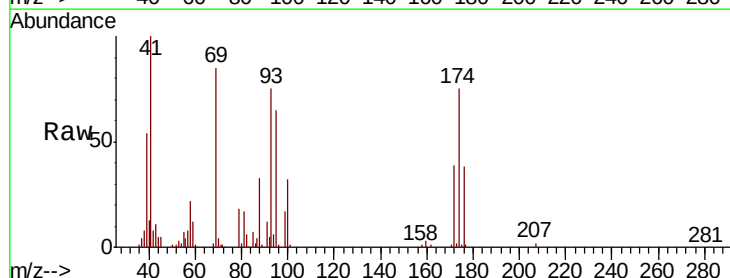
Tgt Ion: 93 Resp: 59159

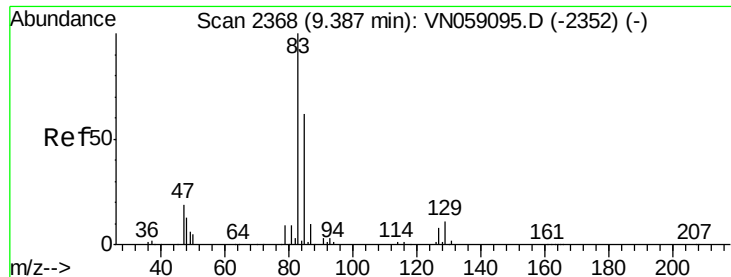
Ion Ratio Lower Upper

93 100

95 84.9 66.6 100.0

174 101.6 78.2 117.2





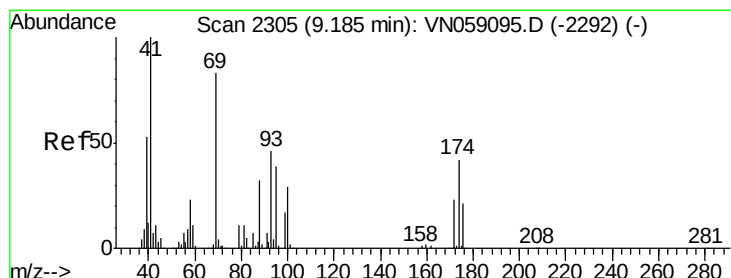
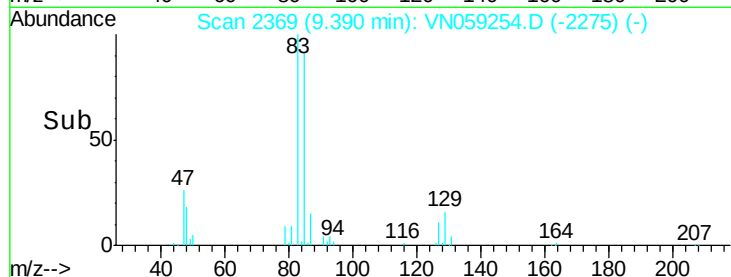
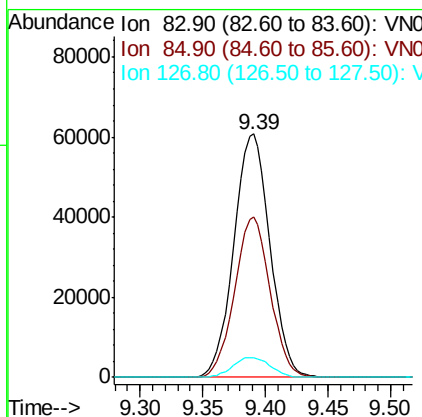
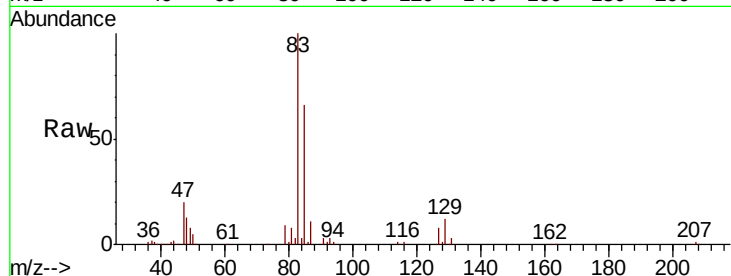
#47  
Bromodichloromethane  
Concen: 21.142 ug/l  
RT: 9.39 min Scan# 2369  
Delta R.T. 0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1115WBSD01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 85      | 65.9  | 49.7 | 74.5  |       |
| 127     | 8.0   | 6.4  | 9.6   |       |

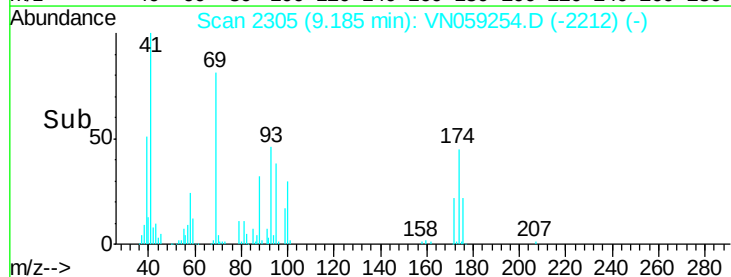
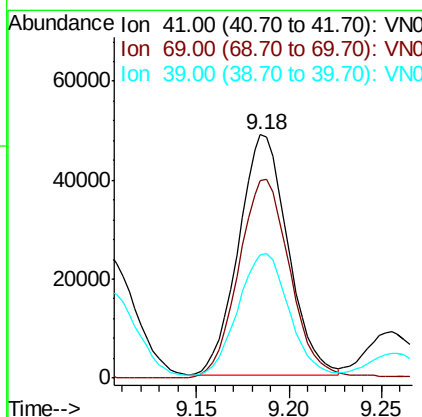
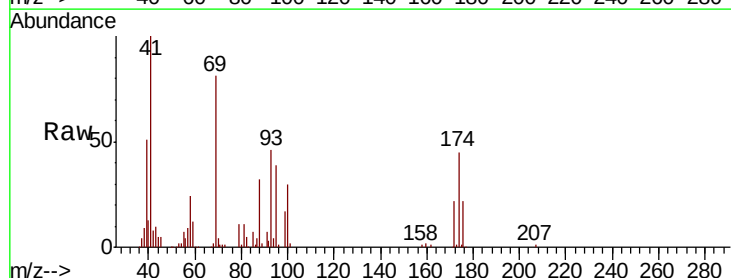
Manual Integrations  
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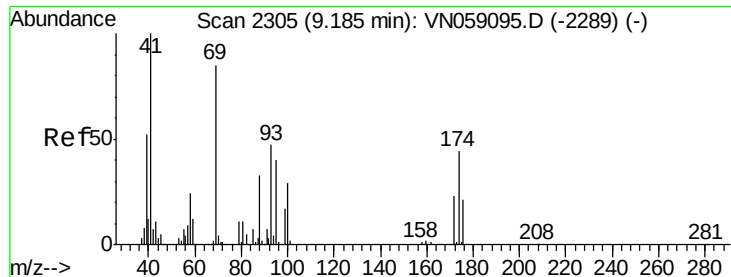
MMDadoda  
11/18/2019 3:09:55 PM



#48  
Methyl methacrylate  
Concen: 20.159 ug/l  
RT: 9.18 min Scan# 2305  
Delta R.T. -0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 41      | 100   |      |       |       |
| 69      | 86.1  | 67.3 | 100.9 |       |
| 39      | 53.6  | 43.3 | 64.9  |       |





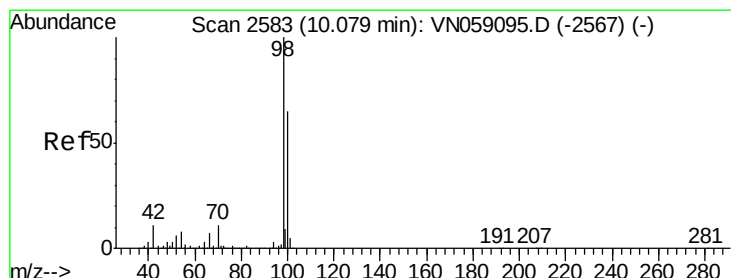
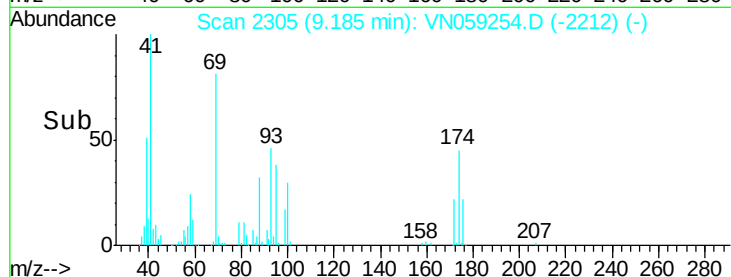
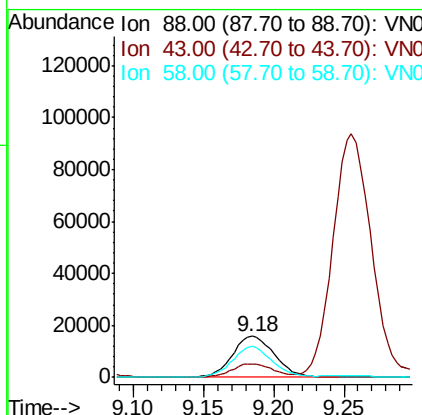
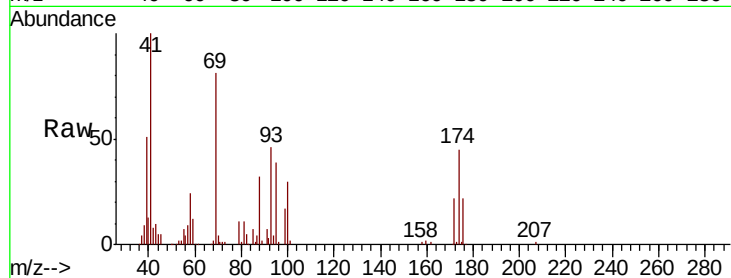
#49  
1,4-Dioxane  
Concen: 418.126 ug/l  
RT: 9.18 min Scan# 2305  
Delta R.T. -0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1115WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 32.8  | 26.3  | 39.5  |
| 58      | 71.5  | 60.6  | 90.8  |

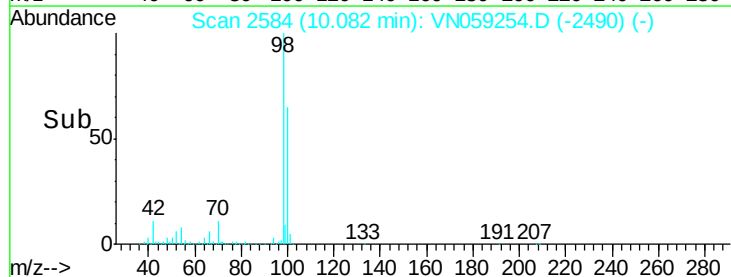
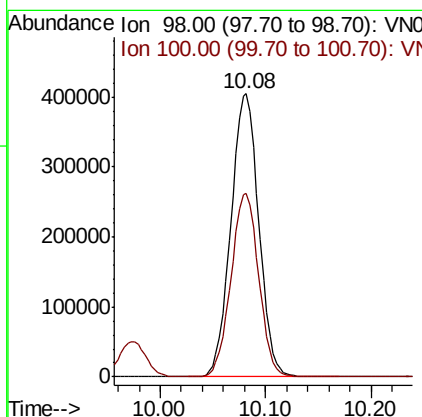
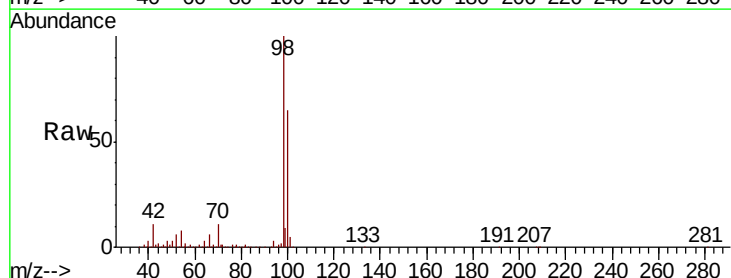
Manual Integrations  
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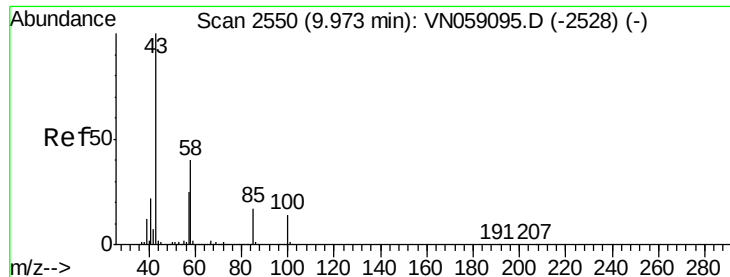
MMDadoda  
11/18/2019 3:09:55 PM



#50  
Toluene-d8  
Concen: 51.994 ug/l  
RT: 10.08 min Scan# 2584  
Delta R.T. 0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.5  | 52.2  | 78.2  |





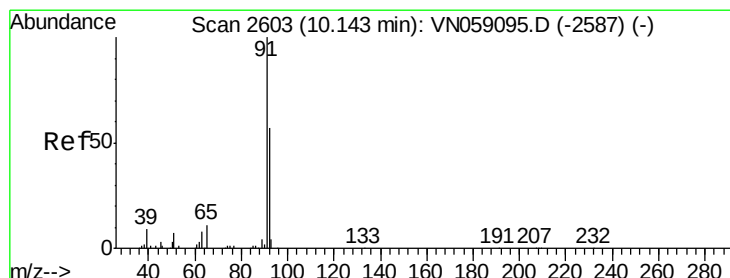
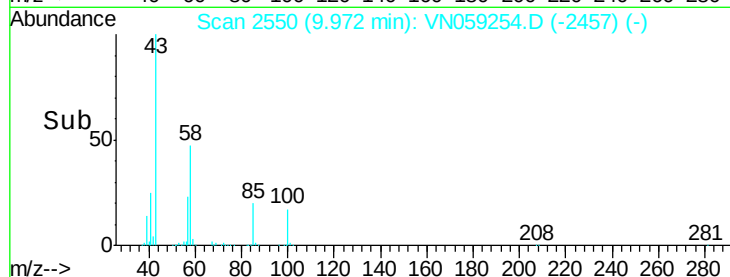
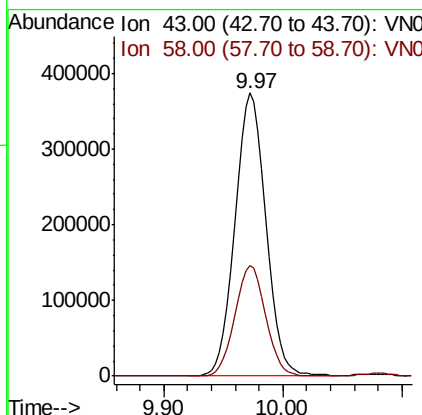
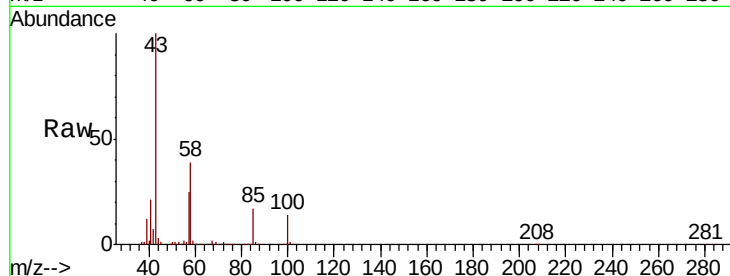
#51  
4-Methyl-2-Pentanone  
Concen: 118.577 ug/l  
RT: 9.97 min Scan# 2550  
Delta R.T. -0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1115WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 39.1  | 31.5  | 47.3  |

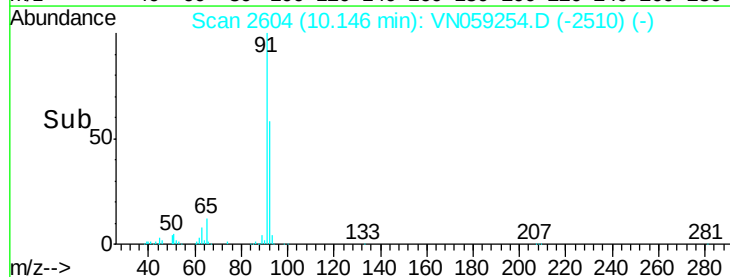
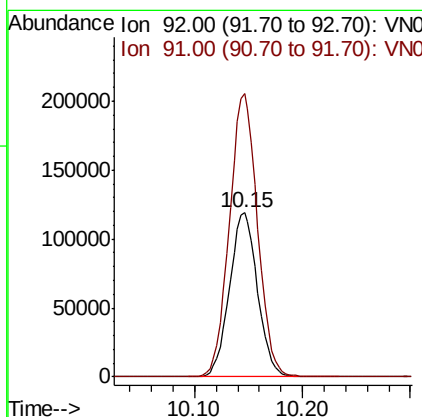
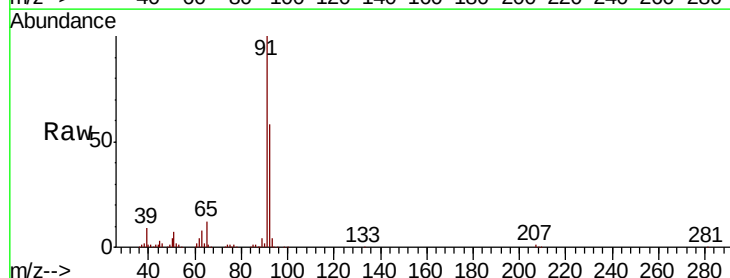
Manual Integrations  
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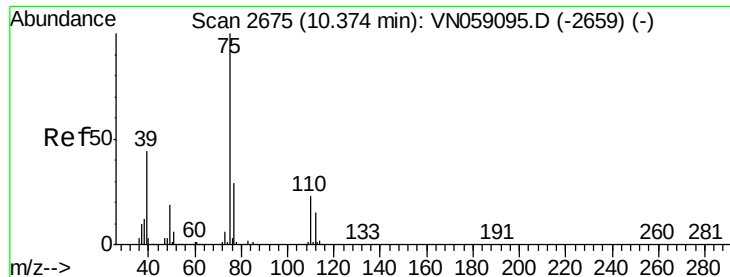
MMDadoda  
11/18/2019 3:09:55 PM



#52  
Toluene  
Concen: 21.086 ug/l  
RT: 10.15 min Scan# 2604  
Delta R.T. 0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92      | 100   |       |       |
| 91      | 173.4 | 139.5 | 209.3 |





#53

t-1,3-Dichloropropene

Concen: 20.706 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

Instrument :

MSVOA\_N

ClientSampleId :

VN1115WBSD01

Tot Ion: 75 Resp: 137521

Ion Ratio Lower Upper

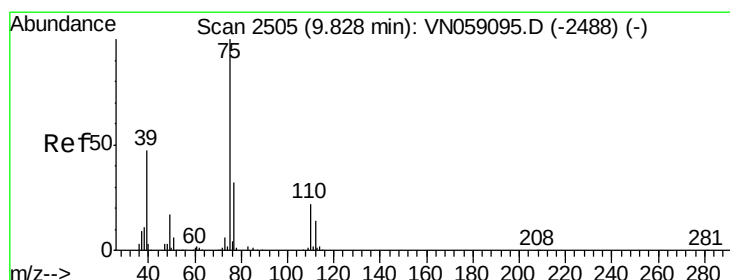
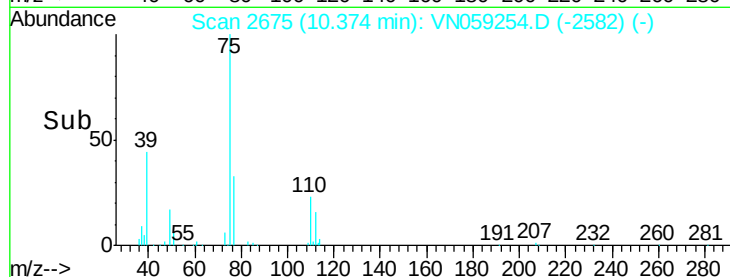
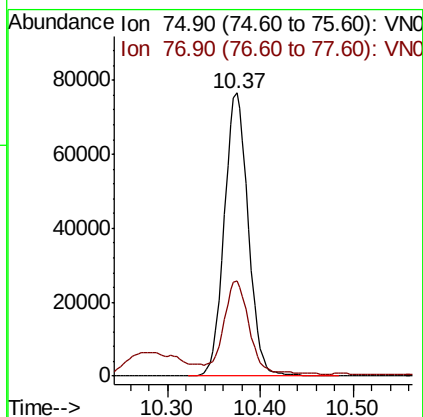
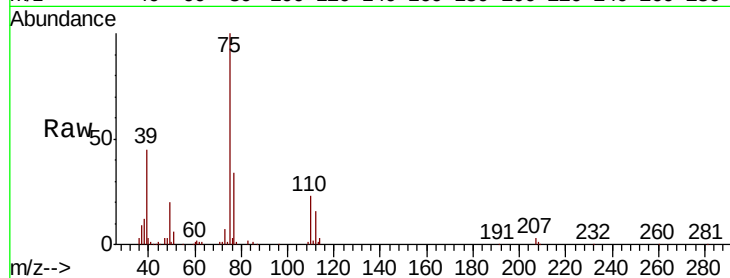
75 100

77 32.7 25.3 37.9

Manual Integrations  
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11/18/2019 3:09:55 PM



#54

cis-1,3-Dichloropropene

Concen: 20.990 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

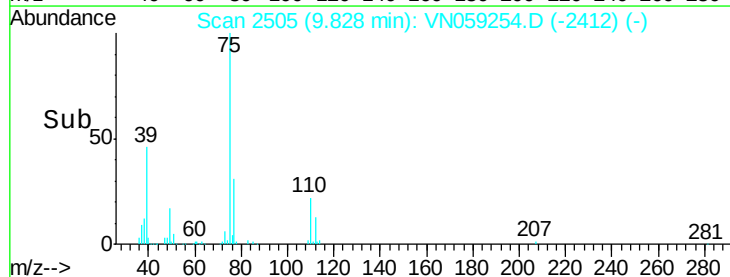
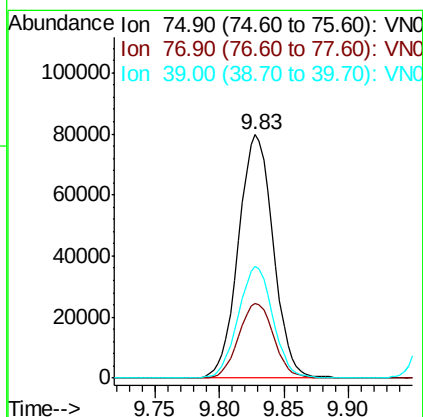
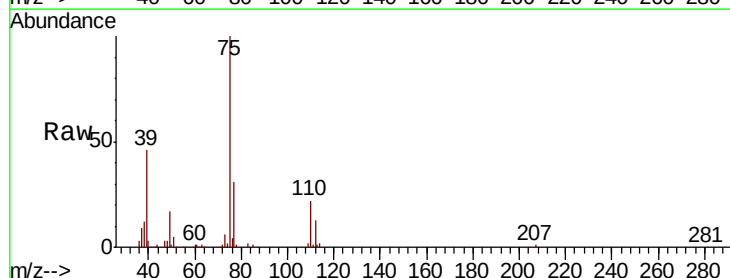
Tgt Ion: 75 Resp: 149957

Ion Ratio Lower Upper

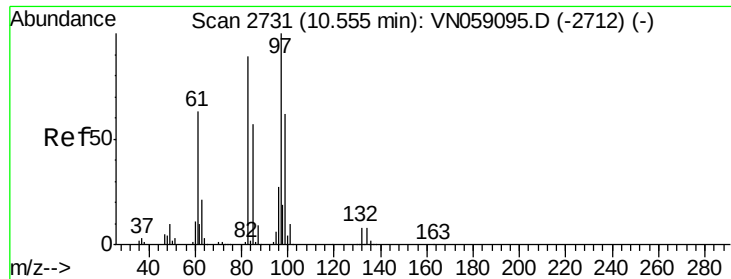
75 100

77 30.6 25.5 38.3

39 45.8 37.3 55.9







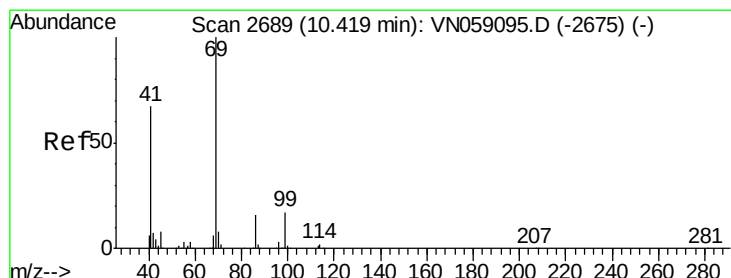
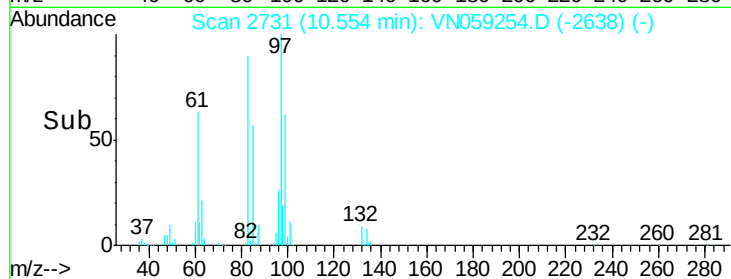
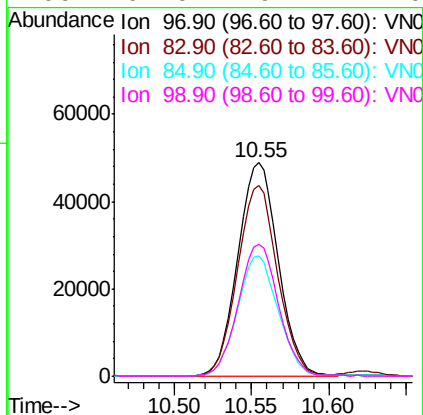
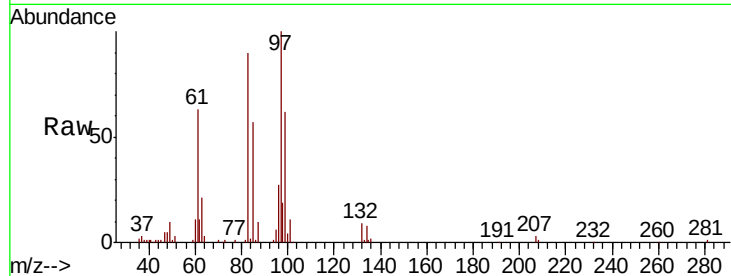
#55  
 1,1,2-Trichloroethane  
 Concen: 21.585 ug/l  
 RT: 10.55 min Scan# 2731  
 Delta R.T. -0.00 min  
 Lab File: VN059254.D  
 Acq: 15 Nov 2019 10:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1115WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 89053 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 89.6  | 71.0  | 106.4 |
| 85       | 56.6  | 45.8  | 68.8  |
| 99       | 62.0  | 49.4  | 74.0  |

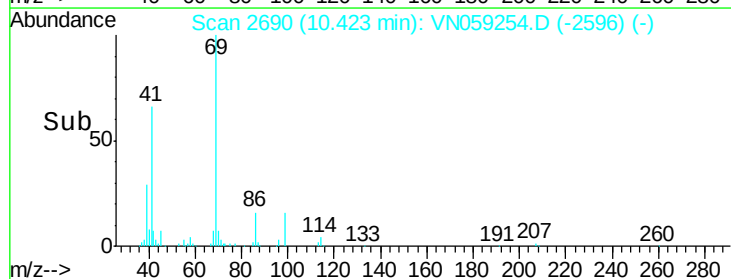
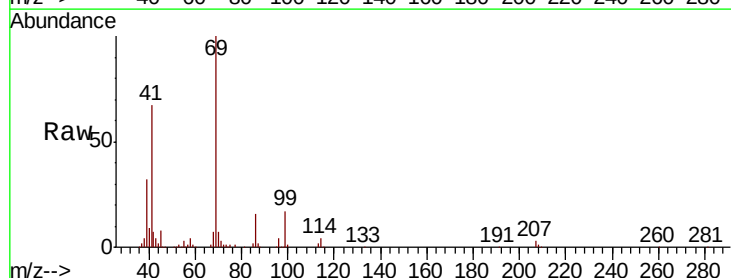
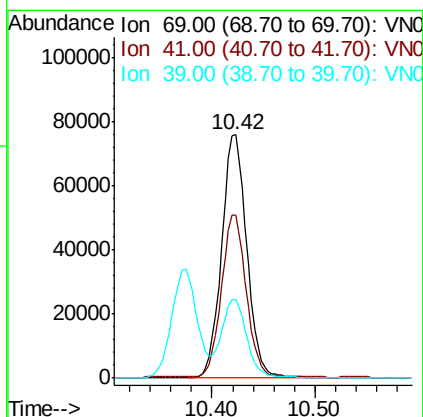
Manual Integrations  
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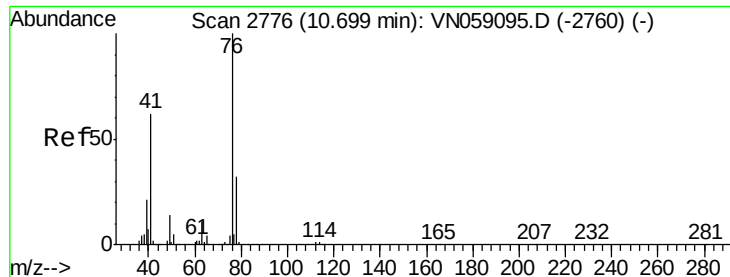
MMDadoda  
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#56  
 Ethyl methacrylate  
 Concen: 19.977 ug/l  
 RT: 10.42 min Scan# 2690  
 Delta R.T. 0.00 min  
 Lab File: VN059254.D  
 Acq: 15 Nov 2019 10:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 129429 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 65.2  | 53.6  | 80.4   |
| 39       | 31.8  | 26.2  | 39.4   |





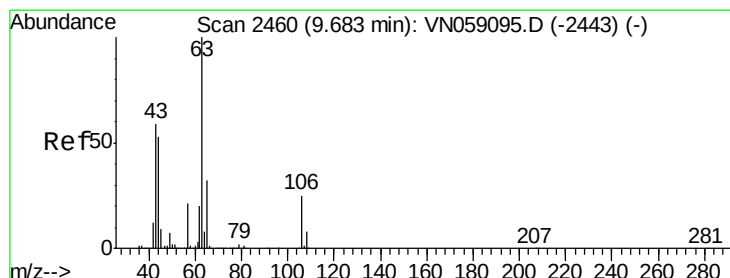
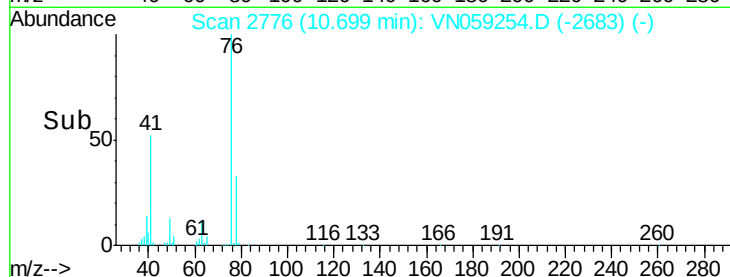
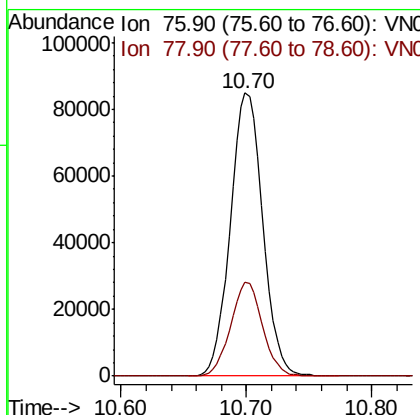
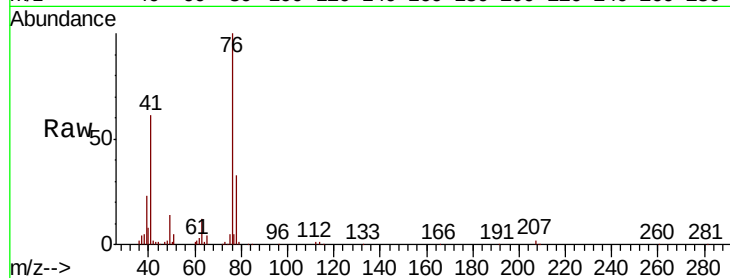
#57  
 1,3-Dichloropropane  
 Concen: 21.440 ug/l  
 RT: 10.70 min Scan# 2776  
 Delta R.T. -0.00 min  
 Lab File: VN059254.D  
 Acq: 15 Nov 2019 10:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1115WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.6  | 25.8  | 38.8  |

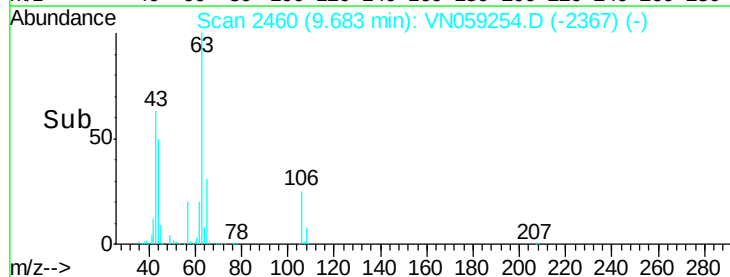
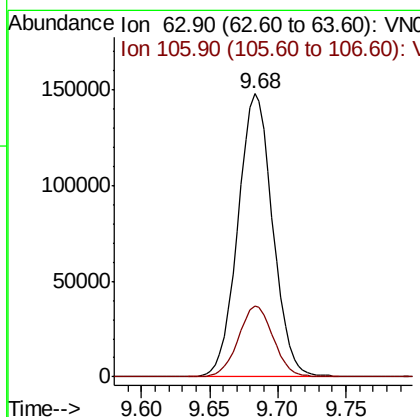
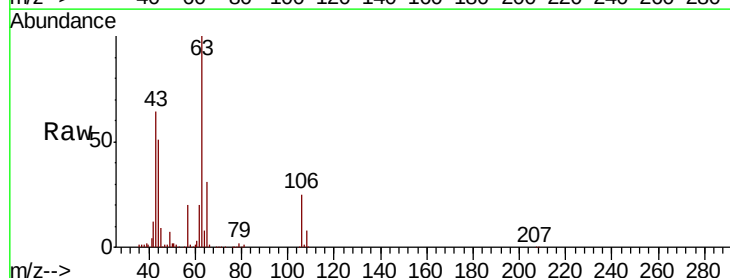
Manual Integrations  
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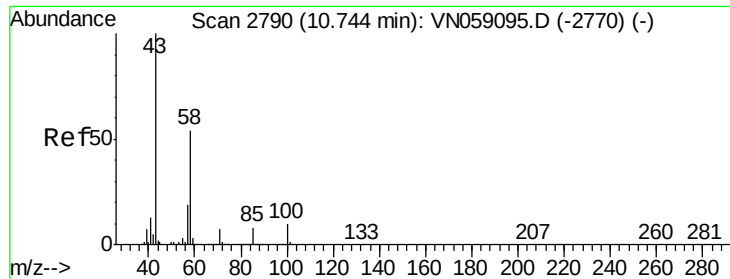
MMDadoda  
 11/18/2019 3:09:55 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 114.051 ug/l  
 RT: 9.68 min Scan# 2460  
 Delta R.T. -0.00 min  
 Lab File: VN059254.D  
 Acq: 15 Nov 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 25.2  | 20.2  | 30.2  |





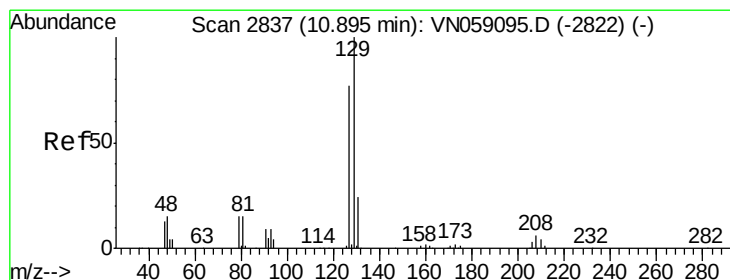
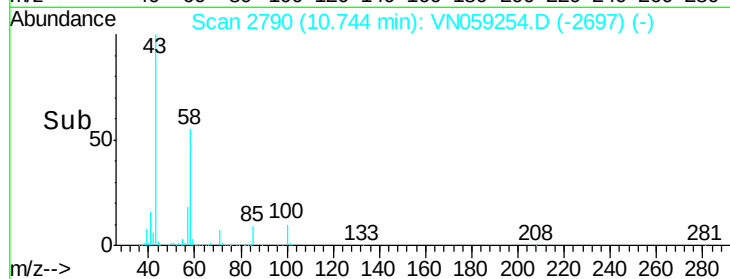
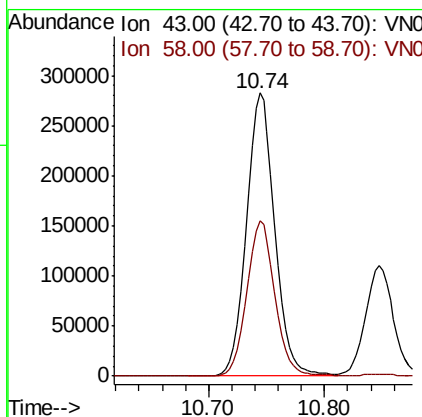
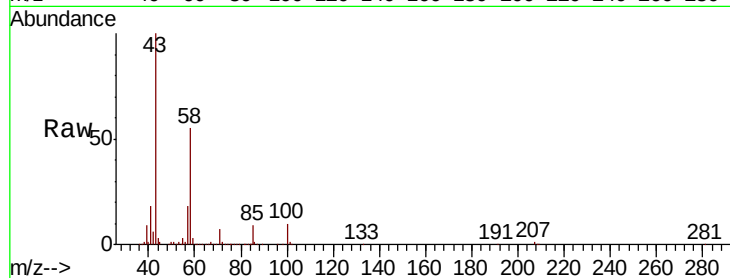
#59  
2-Hexanone  
Concen: 110.128 ug/l  
RT: 10.74 min Scan# 2790  
Delta R.T. -0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1115WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 54.6  | 27.3  | 81.8  |

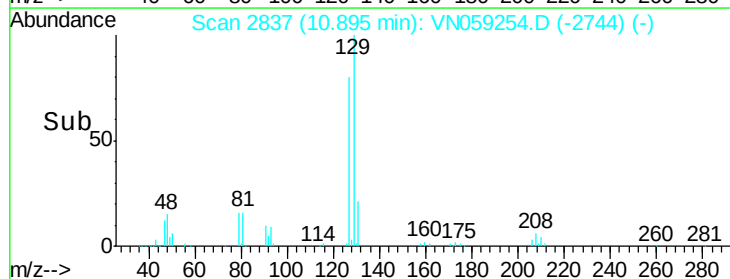
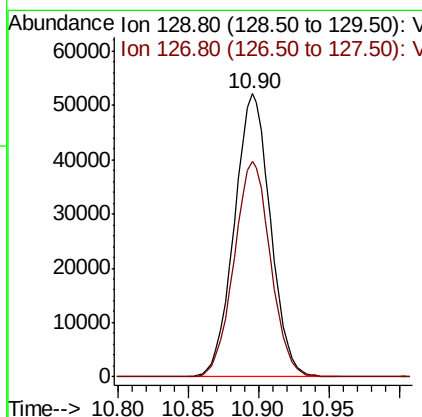
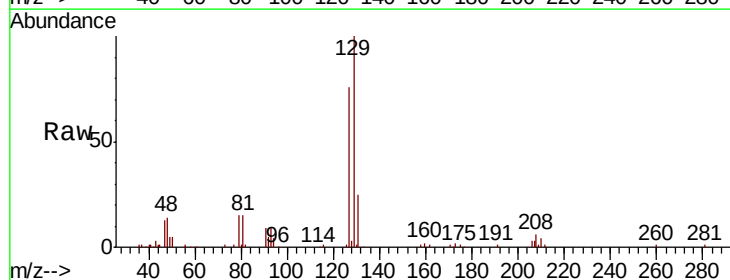
Manual Integrations  
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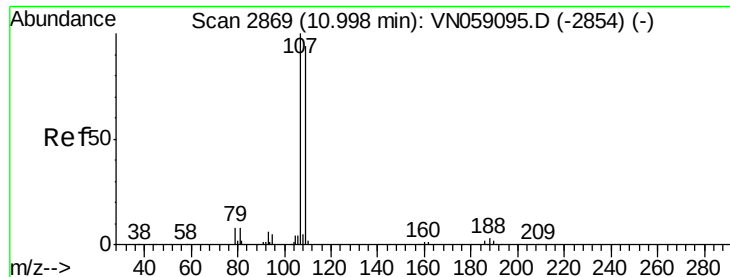
MMDadoda  
11/18/2019 3:09:55 PM



#60  
Dibromochloromethane  
Concen: 21.409 ug/l  
RT: 10.90 min Scan# 2837  
Delta R.T. -0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 76.9  | 38.6  | 115.8 |





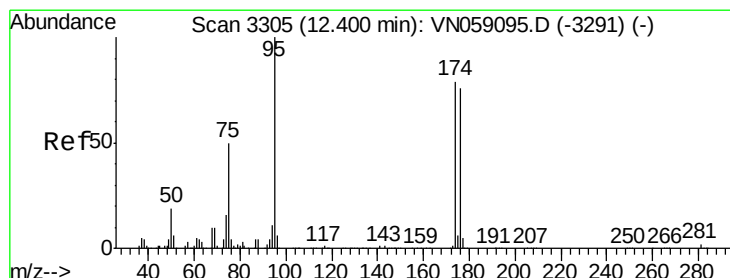
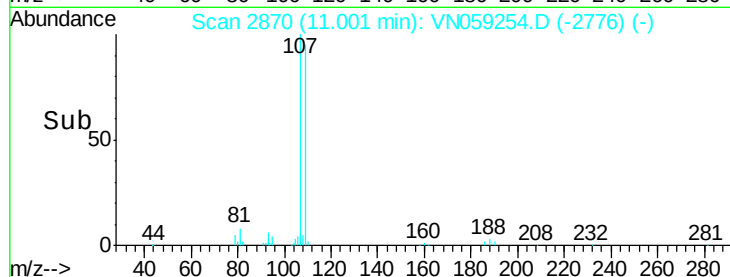
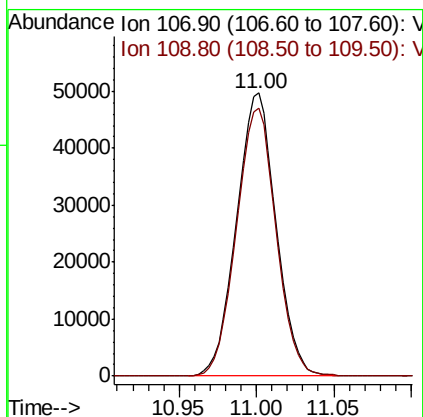
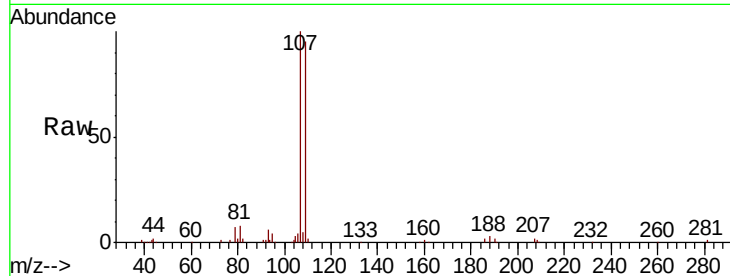
#61  
 1,2-Dibromoethane  
 Concen: 21.099 ug/l  
 RT: 11.00 min Scan# 2870  
 Delta R.T. 0.00 min  
 Lab File: VN059254.D  
 Acq: 15 Nov 2019 10:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1115WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 95.1  | 75.5  | 113.3 |

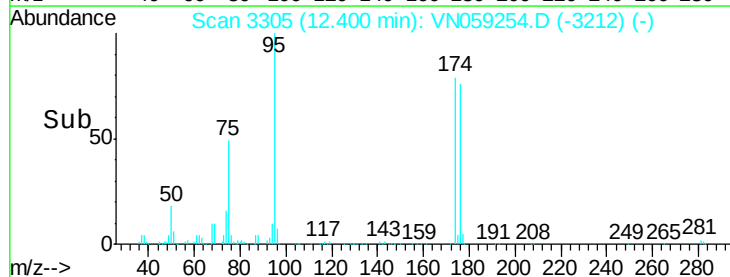
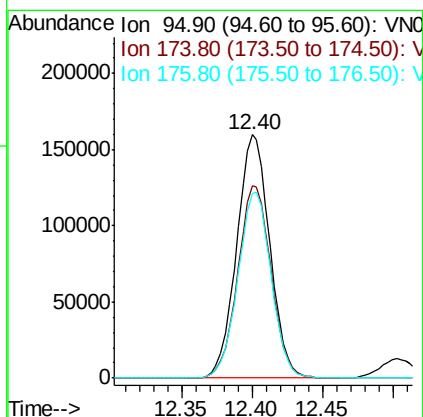
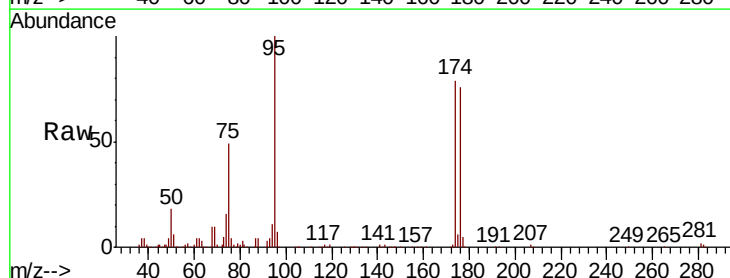
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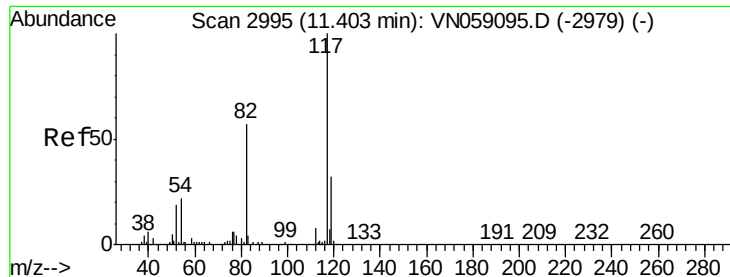
MMDadoda  
 11/18/2019 3:09:55 PM



#62  
 4-Bromofluorobenzene  
 Concen: 51.329 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. -0.00 min  
 Lab File: VN059254.D  
 Acq: 15 Nov 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 79.5  | 0.0   | 158.2 |
| 176     | 76.8  | 0.0   | 151.8 |





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

Instrument :

MSVOA\_N

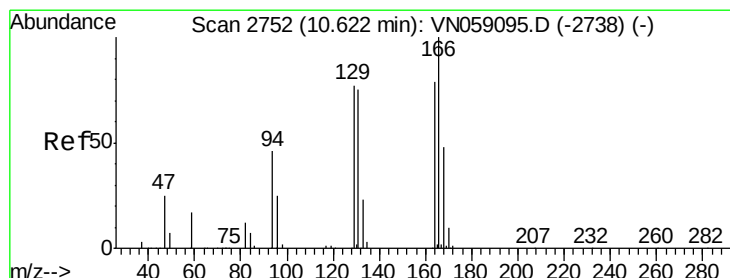
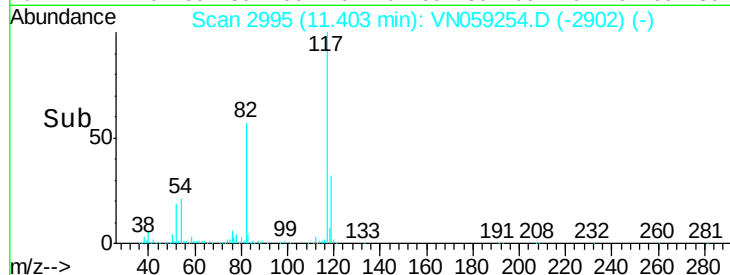
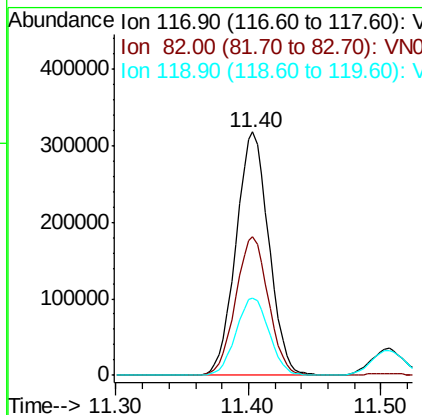
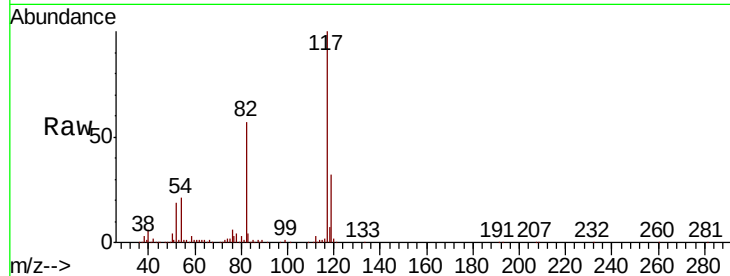
ClientSampleId :

VN1115WBSD01

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 117  | Resp: | 546185 |
| Ion Ratio |      | Lower | Upper  |
| 117       | 100  |       |        |
| 82        | 56.8 | 45.8  | 68.8   |
| 119       | 32.0 | 25.8  | 38.6   |

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#64

Tetrachloroethene

Concen: 20.675 ug/l

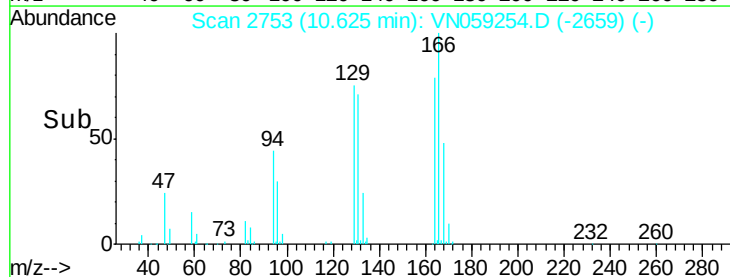
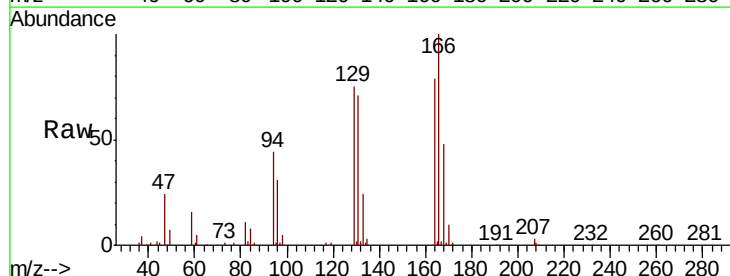
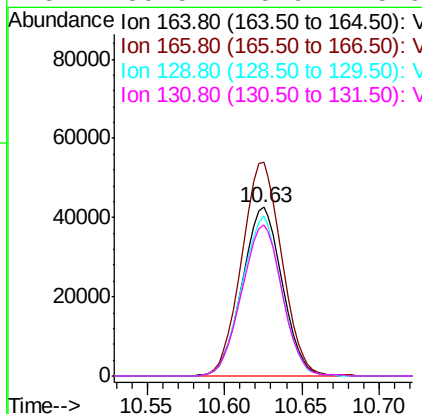
RT: 10.63 min Scan# 2753

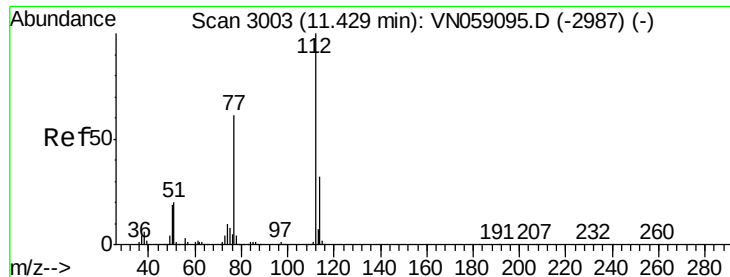
Delta R.T. 0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 76785 |
| Ion Ratio |       | Lower | Upper |
| 164       | 100   |       |       |
| 166       | 126.8 | 101.5 | 152.3 |
| 129       | 94.8  | 78.3  | 117.5 |
| 131       | 89.5  | 75.9  | 113.9 |





#65

Chlorobenzene

Concen: 21.505 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

Instrument :

MSVOA\_N

ClientSampleId :

VN1115WBSD01

Tot Ion:112 Resp: 228973

Ion Ratio Lower Upper

112 100

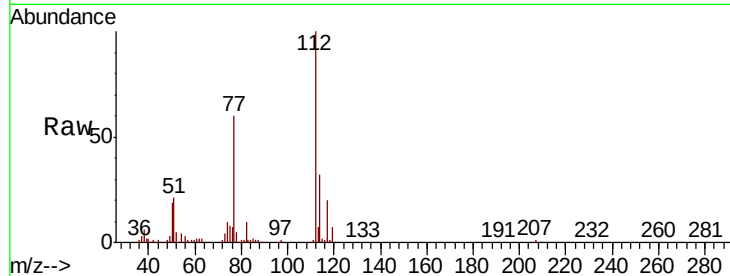
114 32.4 25.2 37.8

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

150000

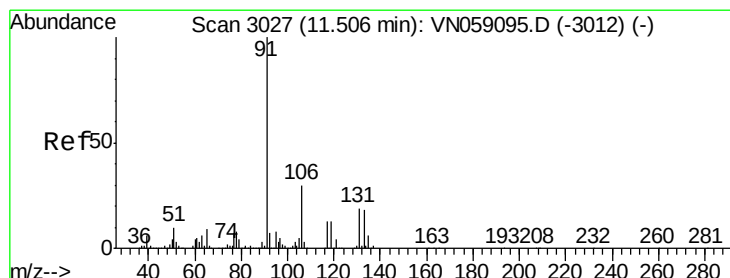
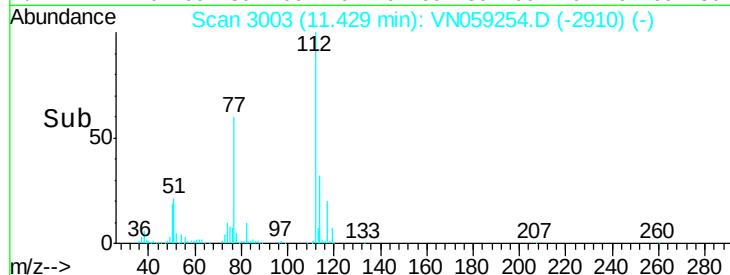
11.43

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.800 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

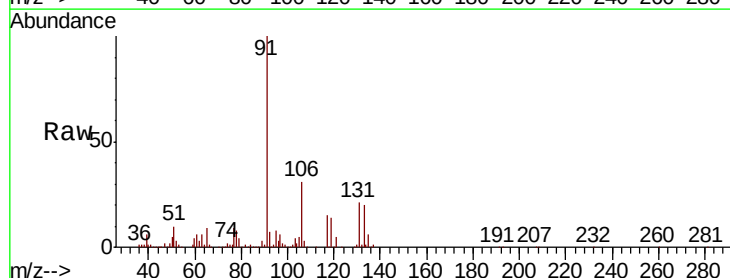
Tgt Ion:131 Resp: 87069

Ion Ratio Lower Upper

131 100

133 95.1 47.4 142.3

119 67.0 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

60000

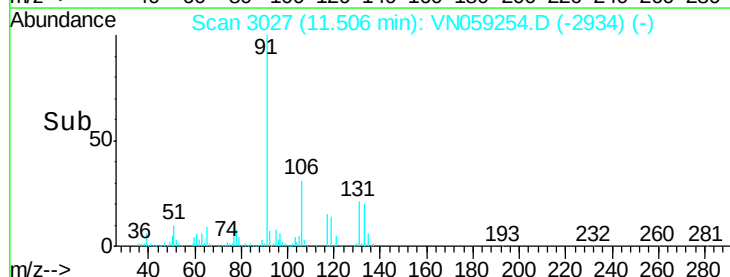
11.51

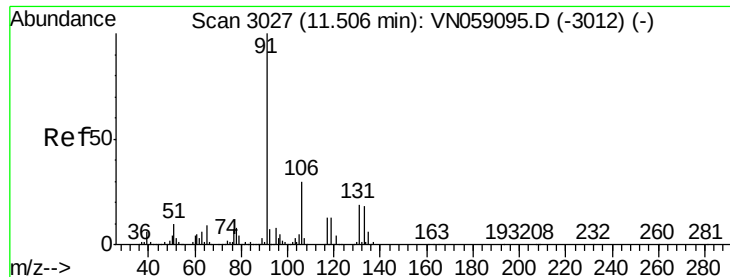
40000

20000

0

Time-->





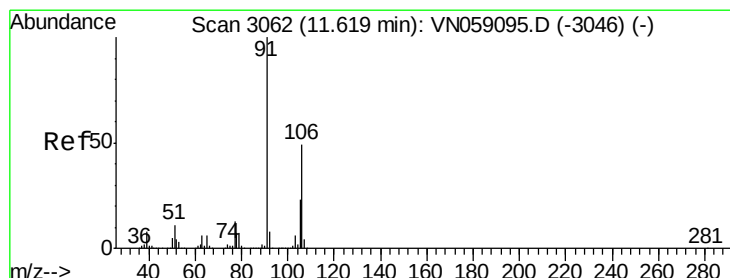
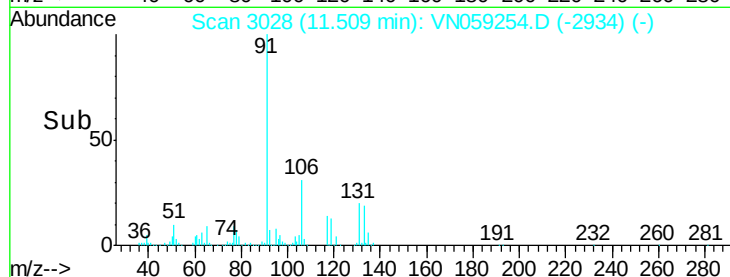
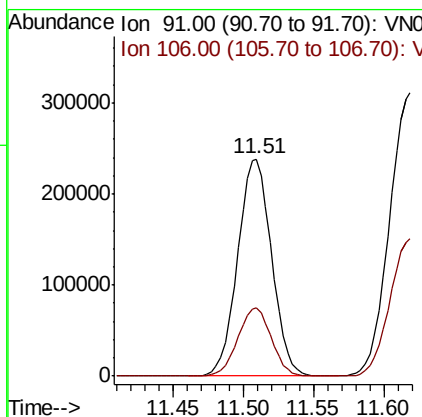
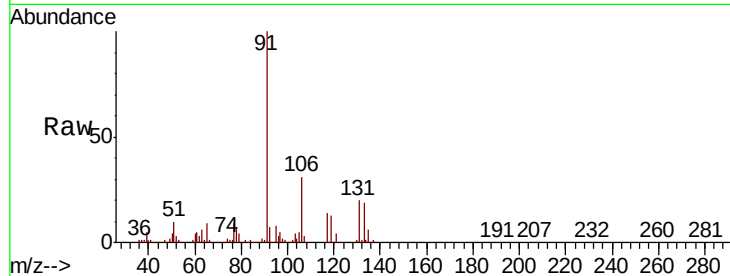
#67  
Ethyl Benzene  
Concen: 21.306 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1115WBSD01

Tot Ion: 91 Resp: 402482  
Ion Ratio Lower Upper  
91 100  
106 31.2 24.1 36.1

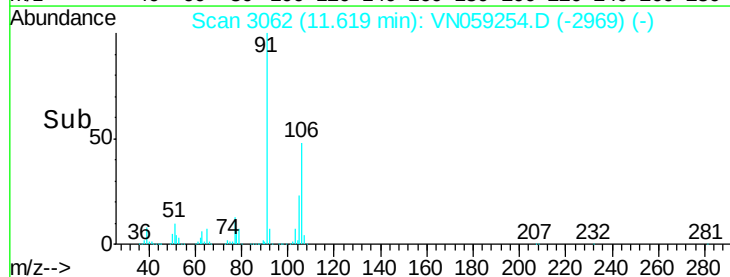
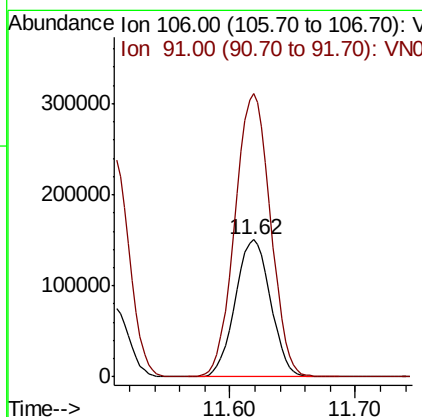
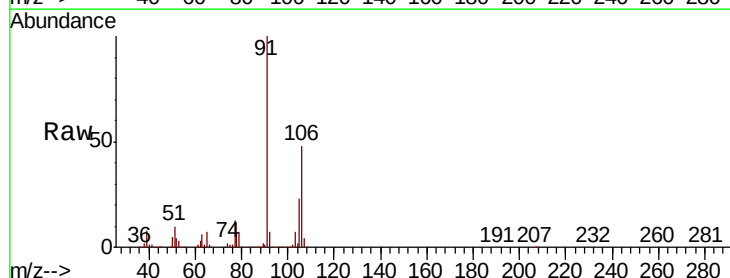
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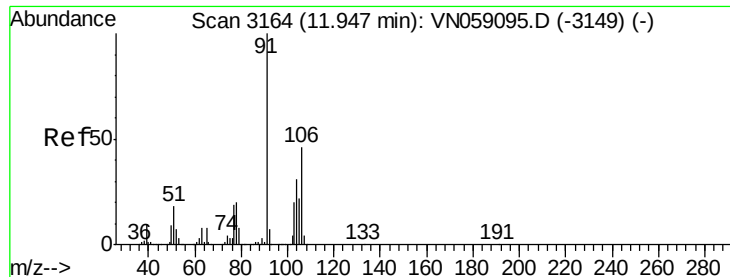
MMDadoda  
11/18/2019 3:09:55 PM



#68  
m/p-Xylenes  
Concen: 41.734 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. -0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

Tgt Ion: 106 Resp: 295318  
Ion Ratio Lower Upper  
106 100  
91 206.7 164.7 247.1





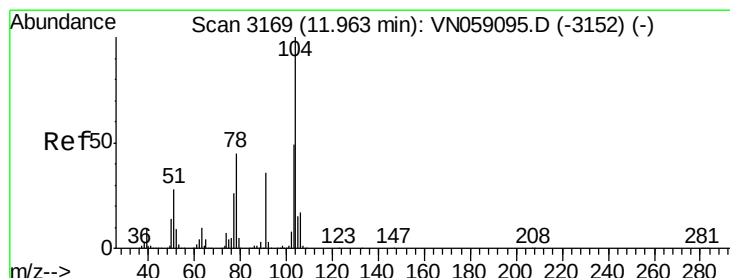
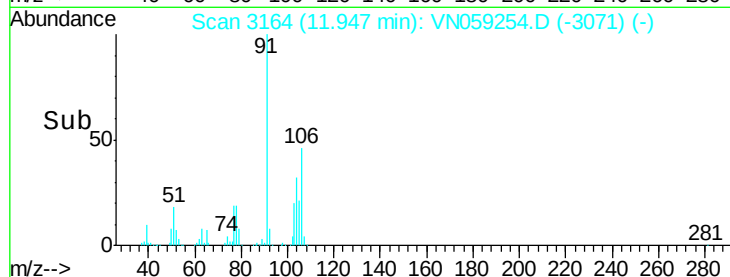
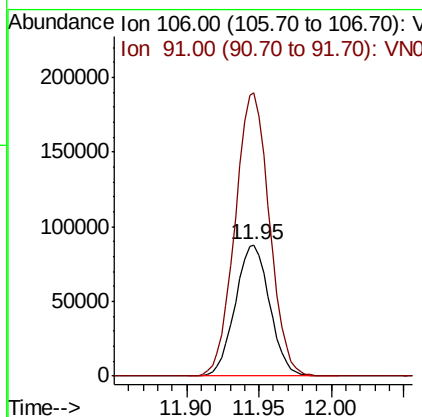
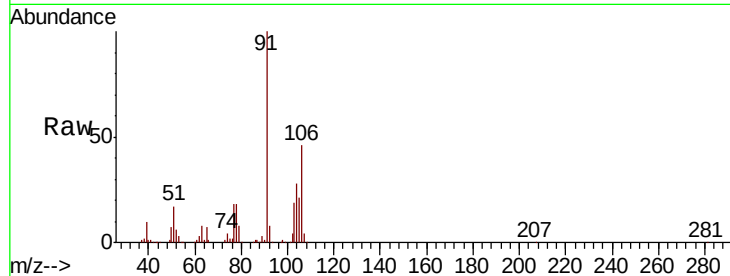
#69  
o-Xylene  
Concen: 21.256 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1115WBSD01

| Tot Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 106     | 106 | 100   | 145361 |       |       |
| 91      | 91  | 215.3 | 110.1  | 330.3 |       |

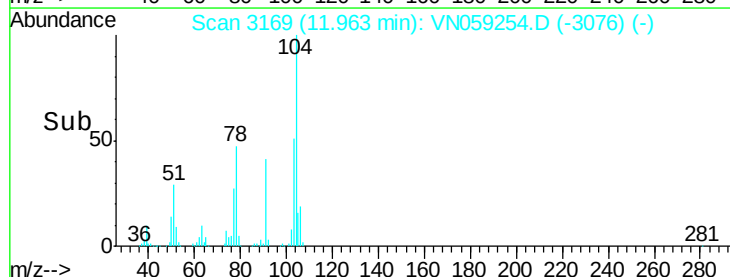
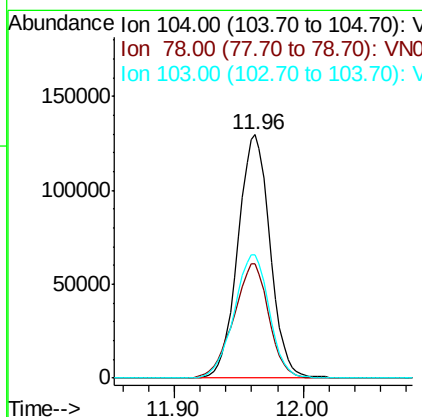
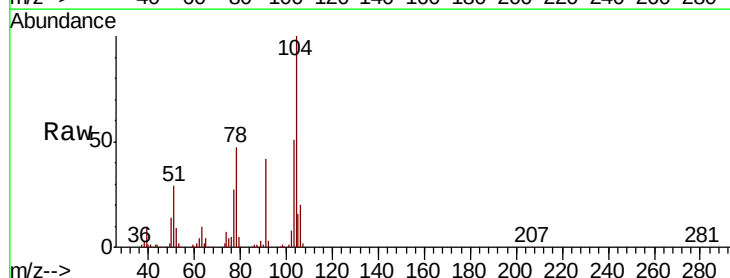
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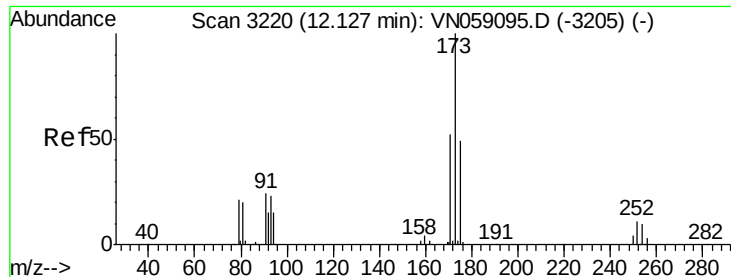


#70  
Styrene  
Concen: 20.961 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 104     | 104 | 100   | 225436 |       |       |
| 78      | 78  | 51.3  | 41.2   | 61.8  |       |
| 103     | 103 | 55.3  | 43.8   | 65.6  |       |







#71

Bromoform

Concen: 21.295 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

Instrument :

MSVOA\_N

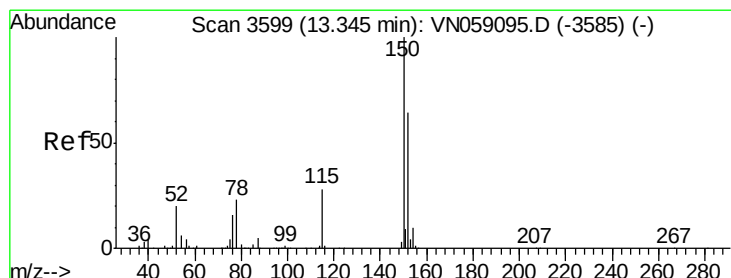
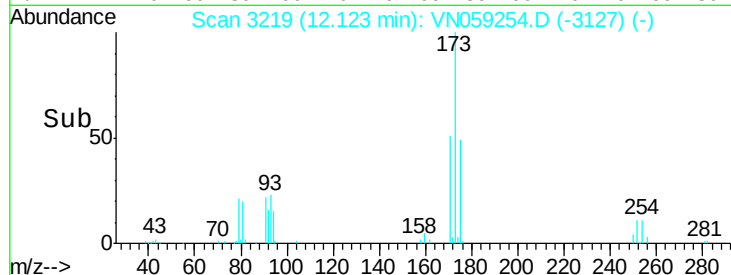
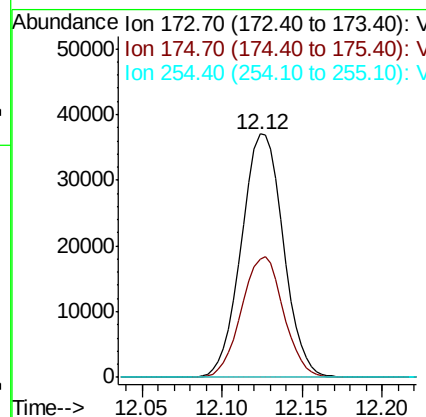
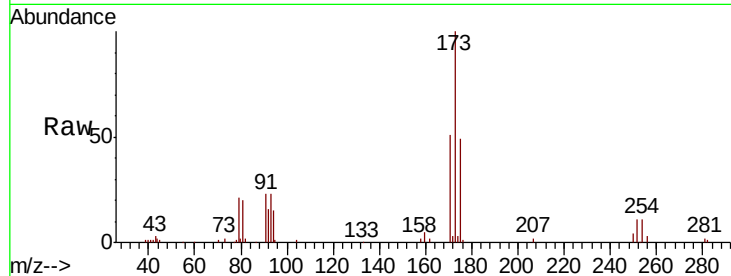
ClientSampleId :

VN1115WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.5  | 24.2  | 72.6  |
| 254     | 0.0   | 0.1   | 0.1   |

Manual Integrations  
APPROVED

MMDadoda  
11/18/2019 3:09:55 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

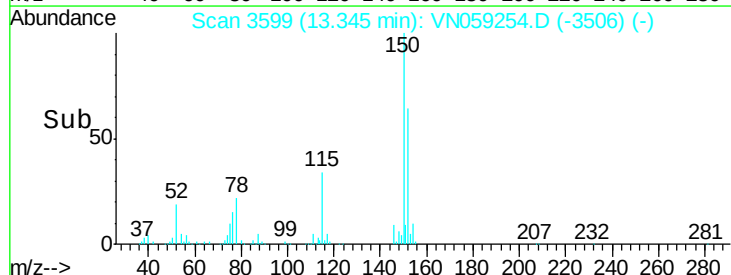
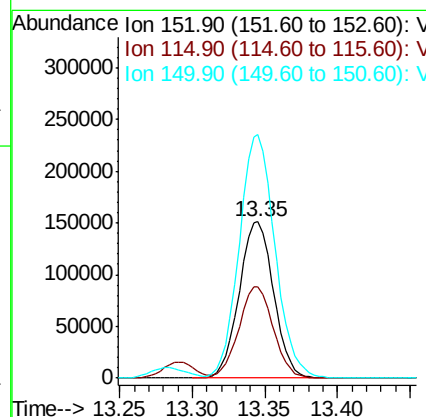
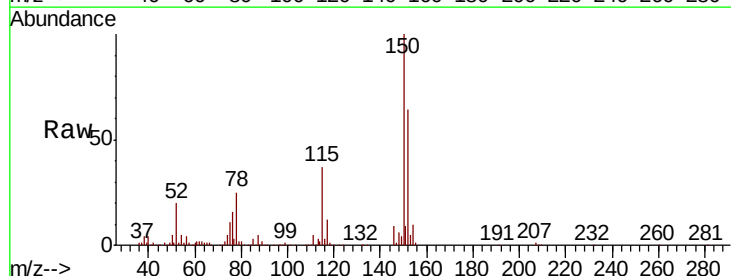
RT: 13.35 min Scan# 3599

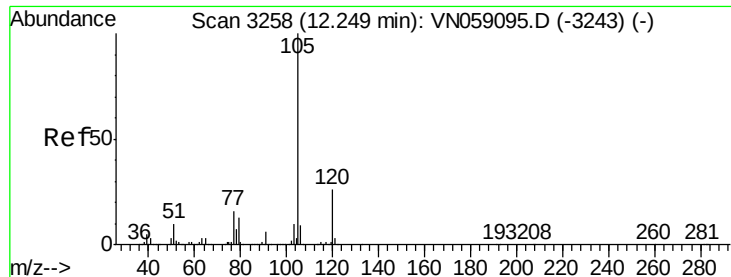
Delta R.T. -0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.3  | 29.4  | 88.2  |
| 150     | 161.9 | 0.0   | 345.8 |





#73

Isopropylbenzene

Concen: 21.391 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

Instrument :

MSVOA\_N

ClientSampleId :

VN1115WBSD01

Tot Ion: 105 Resp: 387212

Ion Ratio Lower Upper

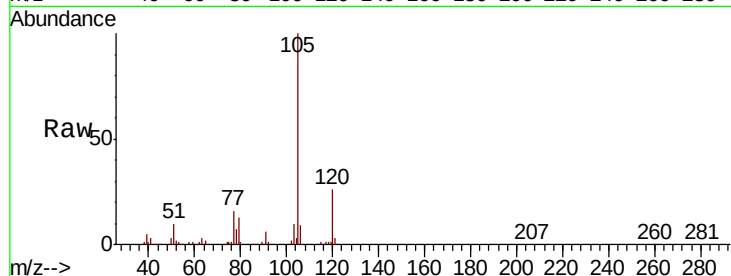
105 100

120 26.3 13.1 39.3

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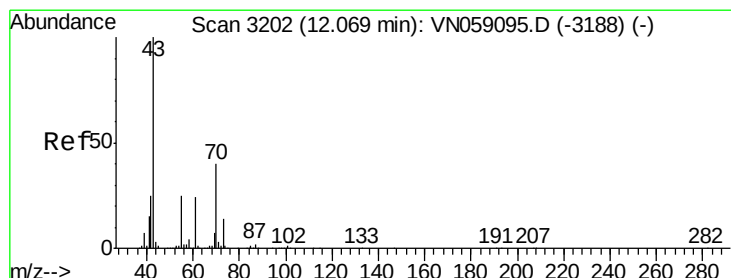
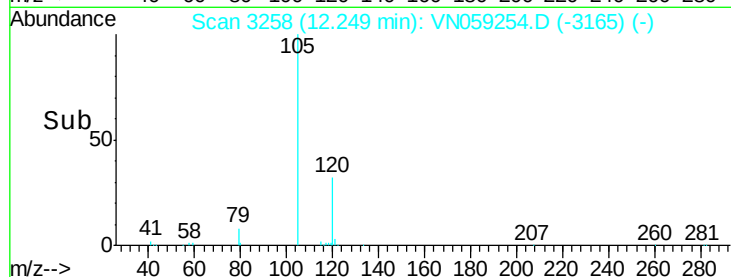
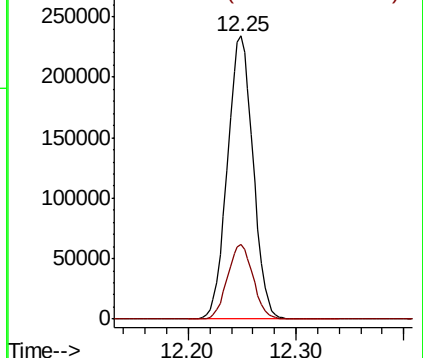
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.561 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

Tgt Ion: 43 Resp: 157705

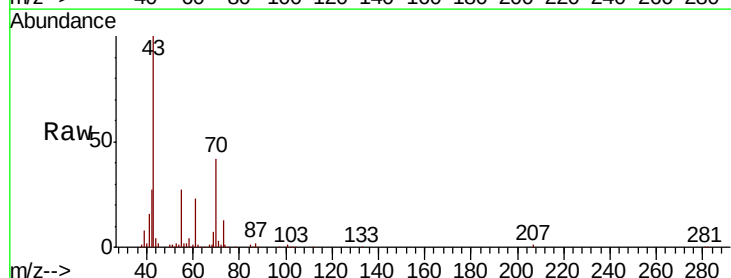
Ion Ratio Lower Upper

43 100

70 42.1 32.2 48.4

55 27.3 20.4 30.6

61 23.6 19.3 28.9

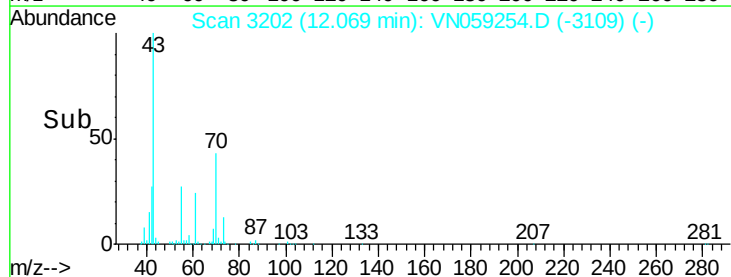
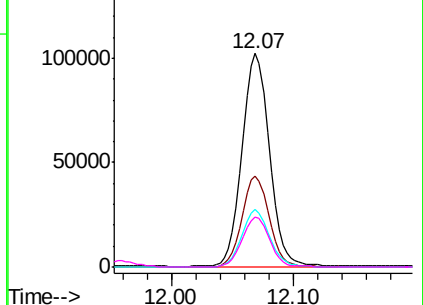


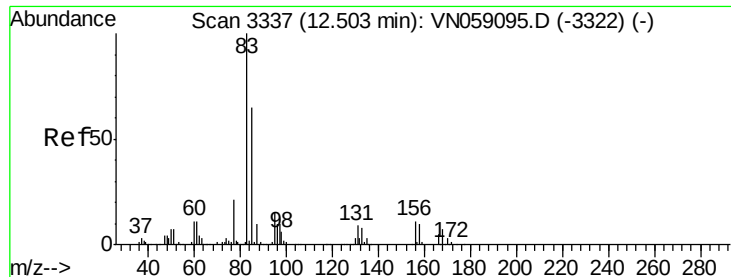
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.324 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

Instrument :

MSVOA\_N

ClientSampleId :

VN1115WBSD01

Tot Ion: 83 Resp: 137612  
Ion Ratio Lower Upper

83 100

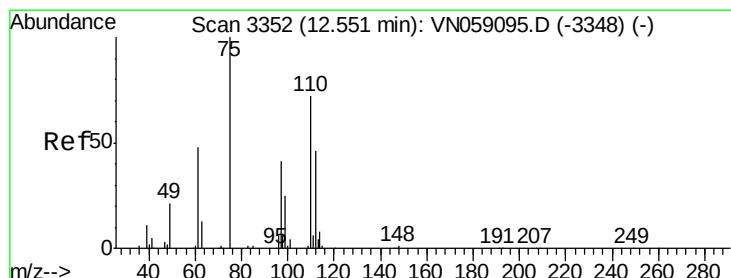
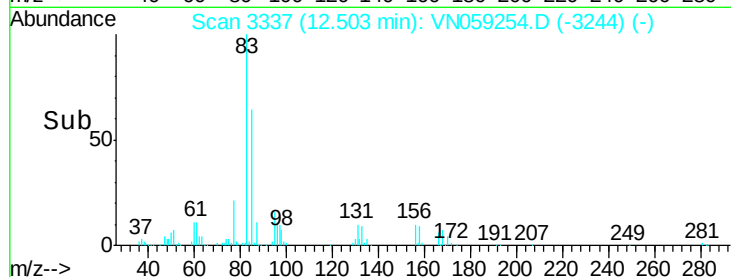
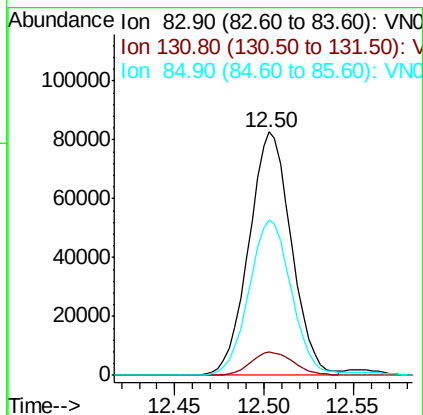
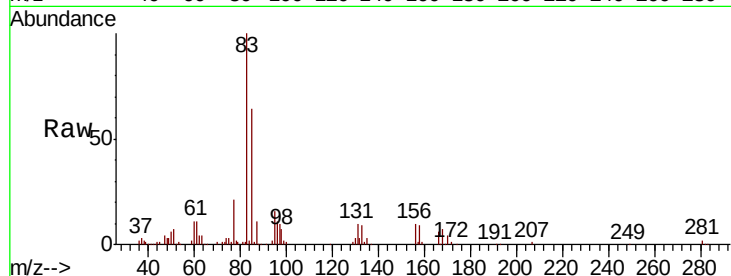
131 9.8 4.9 14.6

85 64.1 32.4 97.2

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 22.658 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

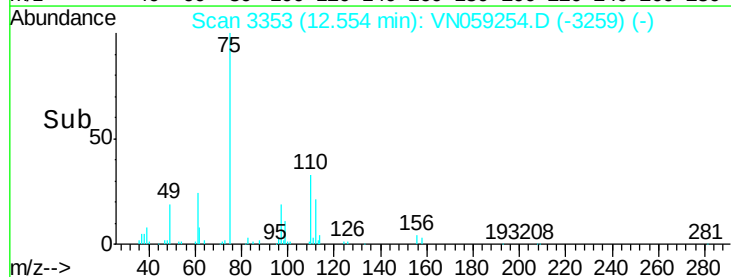
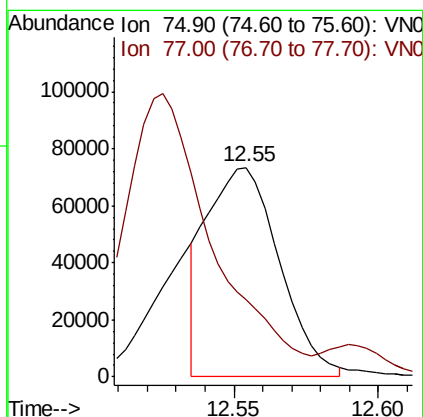
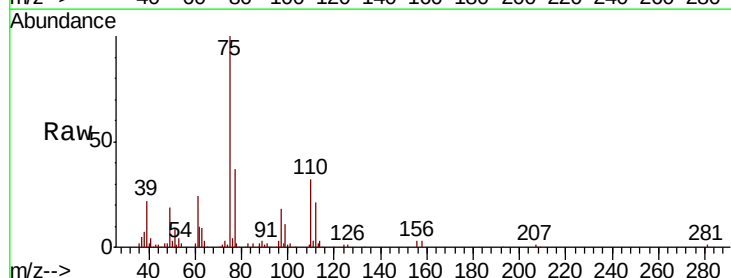
Lab File: VN059254.D

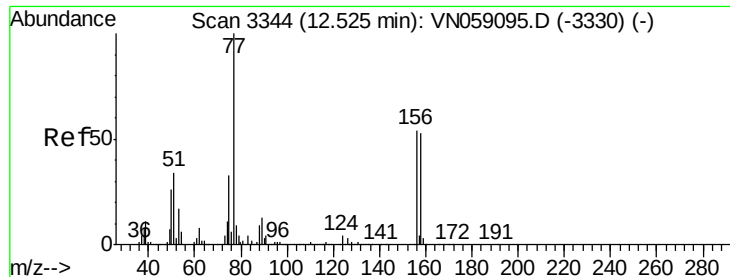
Acq: 15 Nov 2019 10:56

Tgt Ion: 75 Resp: 128368  
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.777 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

Instrument :

MSVOA\_N

ClientSampleId :

VN1115WBSD01

Tot Ion:156 Resp: 94488

Ion Ratio Lower Upper

156 100

77 226.5 112.8 338.3

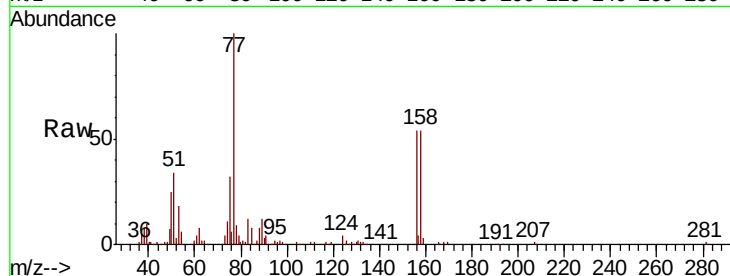
158 98.1 48.4 145.3

Manual Integrations

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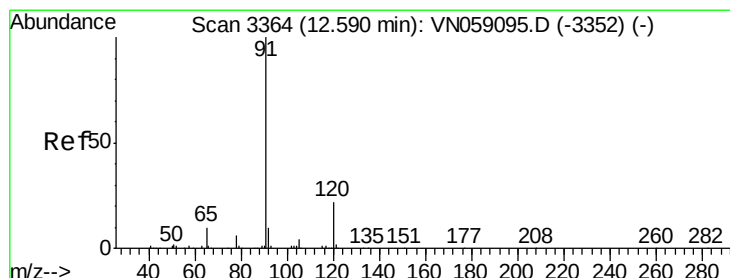
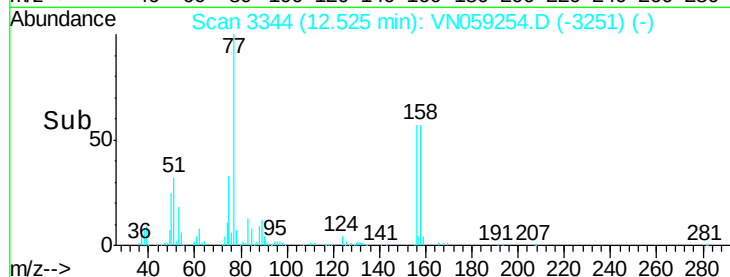
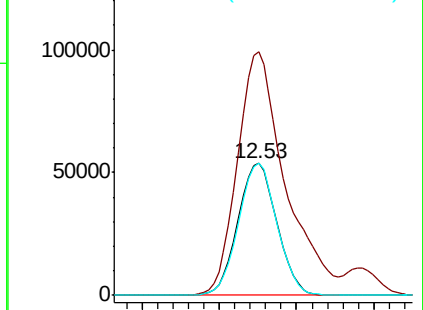
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.283 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059254.D

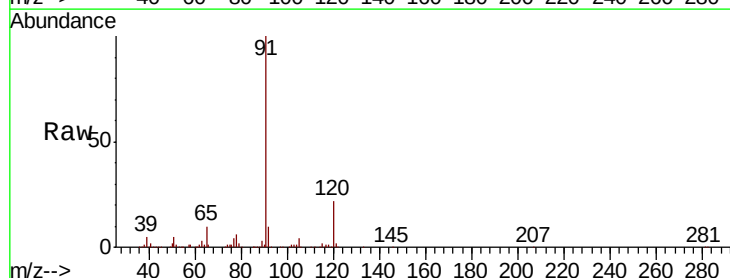
Acq: 15 Nov 2019 10:56

Tgt Ion: 91 Resp: 441117

Ion Ratio Lower Upper

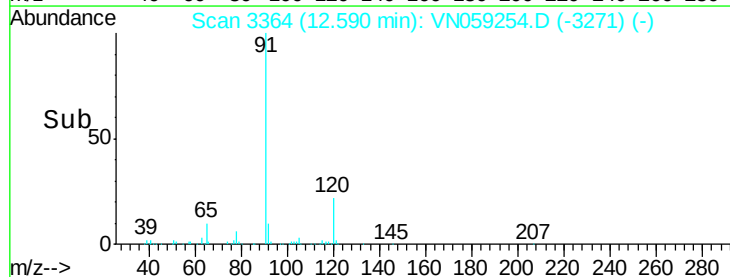
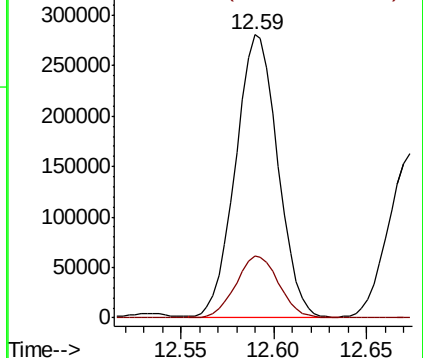
91 100

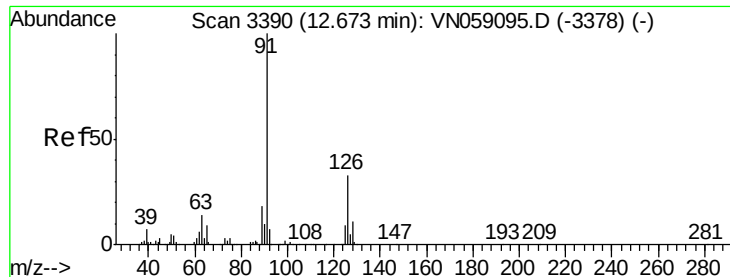
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.813 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

Instrument :

MSVOA\_N

ClientSampleId :

VN1115WBSD01

Tot Ion: 91 Resp: 267598

Ion Ratio Lower Upper

91 100

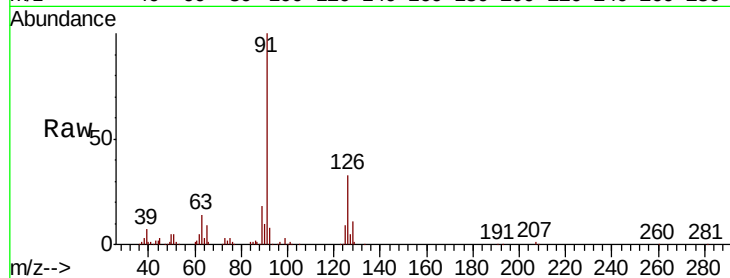
126 33.4 16.7 50.1

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Abundance Ion 91.00 (90.70 to 91.70): VN059254.D (-3397) (-)

Ion 125.90 (125.60 to 126.60): VN059254.D (-3397) (-)

200000

150000

100000

50000

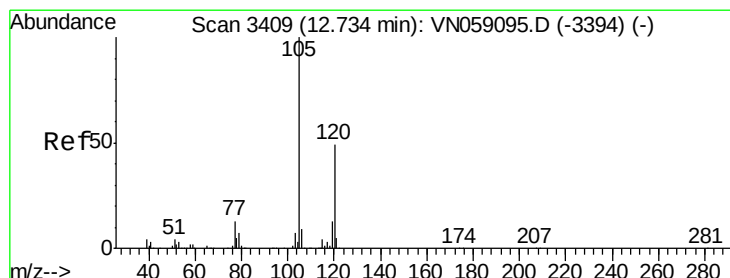
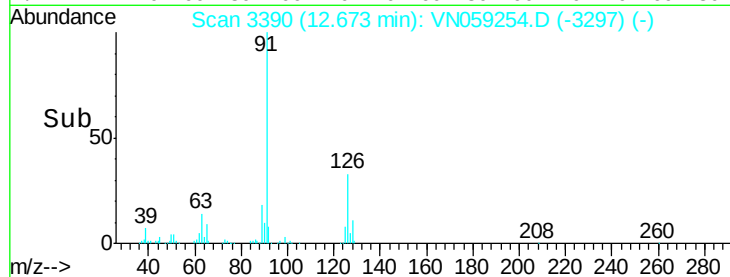
0

12.67

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.099 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059254.D

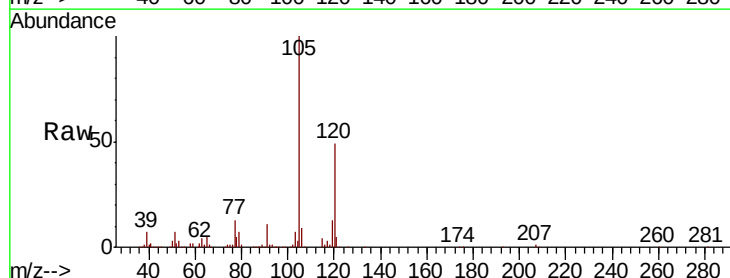
Acq: 15 Nov 2019 10:56

Tgt Ion: 105 Resp: 323614

Ion Ratio Lower Upper

105 100

120 48.0 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059254.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN059254.D (-3316) (-)

200000

150000

100000

50000

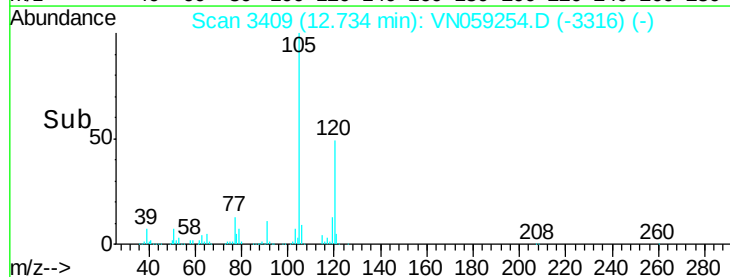
0

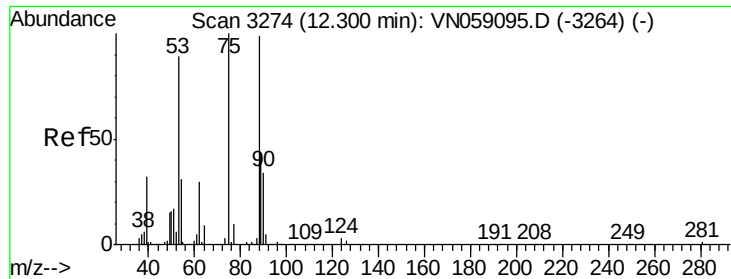
12.73

12.70

12.80

Time-->





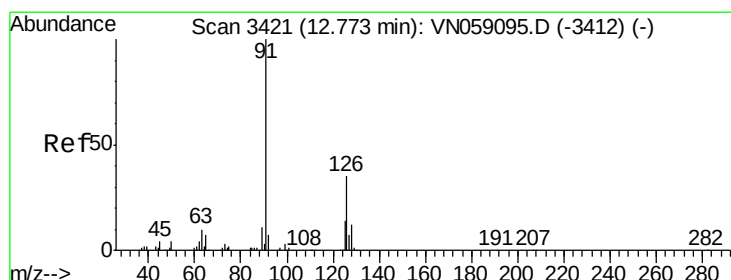
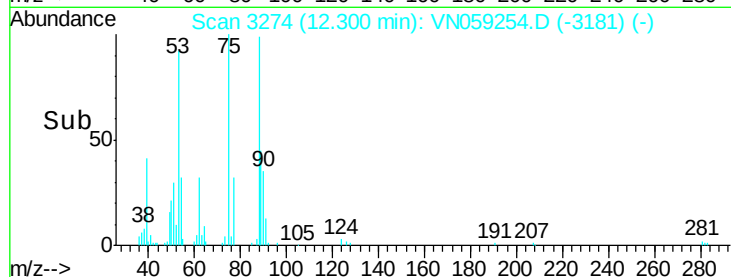
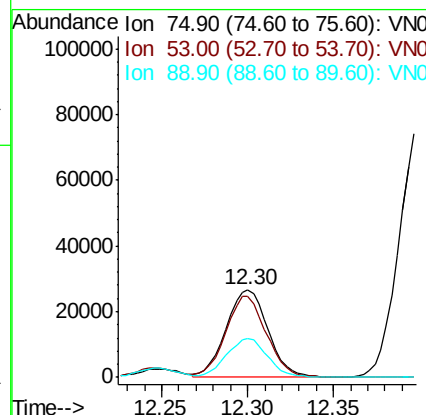
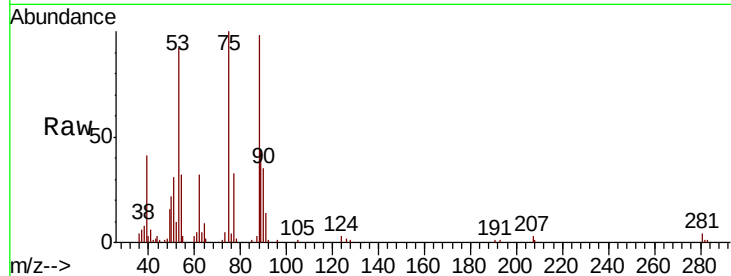
#81  
trans-1,4-Dichloro-2-butene  
Concen: 20.757 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. -0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1115WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 91.7  | 72.2  | 108.2 |
| 89      | 44.0  | 35.8  | 53.8  |

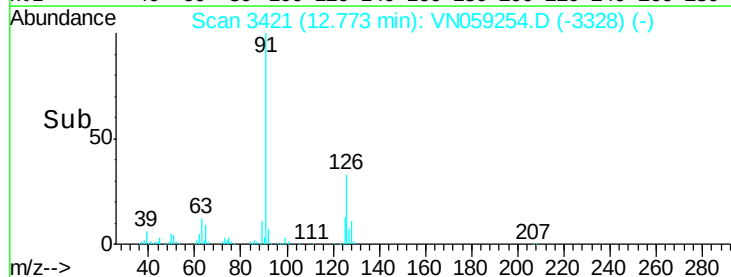
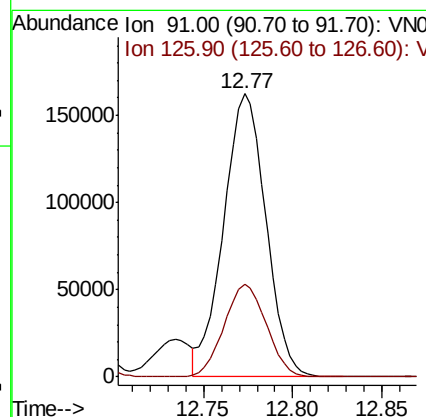
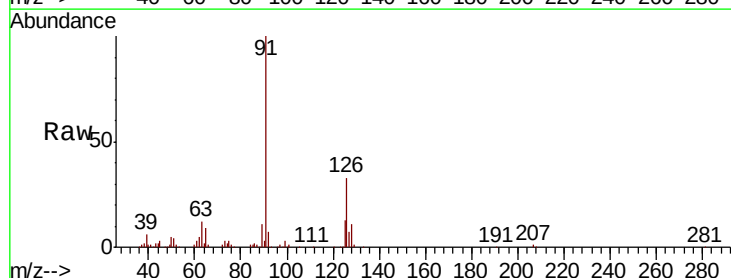
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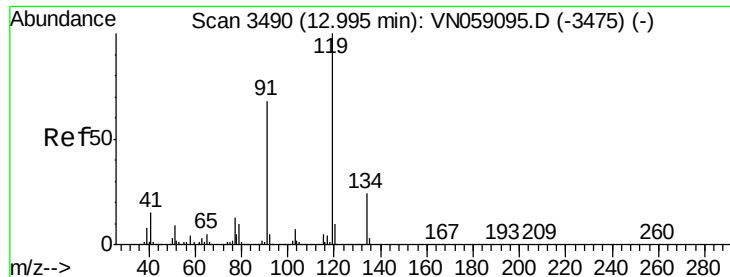
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#82  
4-Chlorotoluene  
Concen: 20.606 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. -0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.7  | 16.1  | 48.2  |





#83

tert-Butylbenzene

Concen: 21.360 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

Instrument :

MSVOA\_N

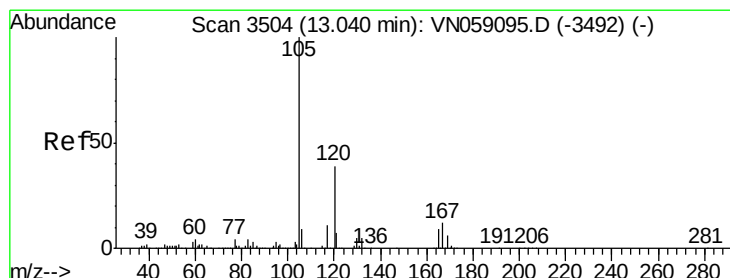
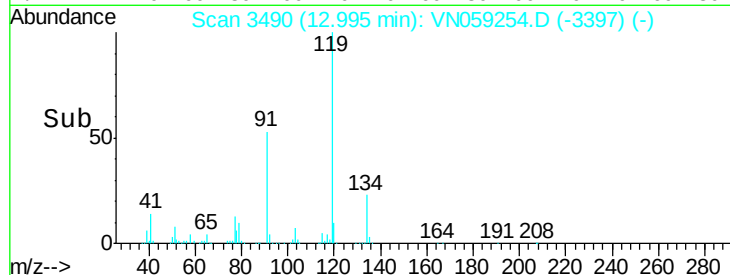
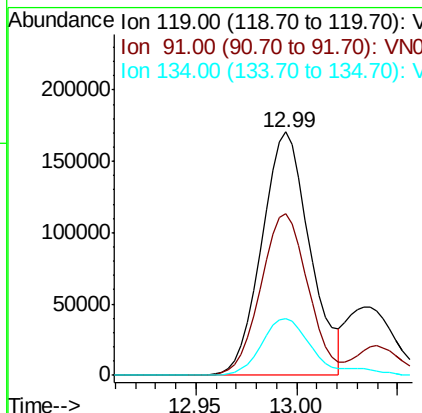
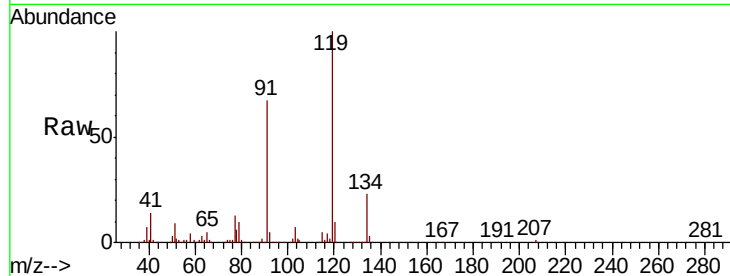
ClientSampleId :

VN1115WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 282925 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 65.8  | 33.2  | 99.6   |
| 134       | 25.5  | 12.7  | 38.1   |

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#84

1,2,4-Trimethylbenzene

Concen: 21.494 ug/l

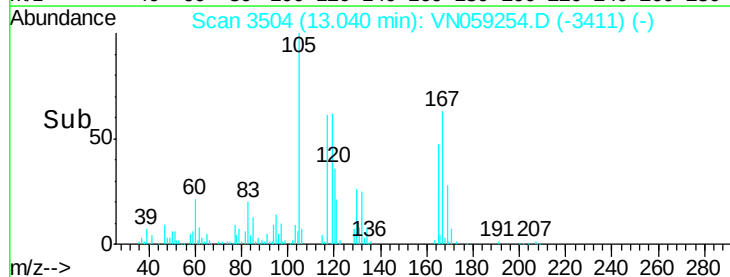
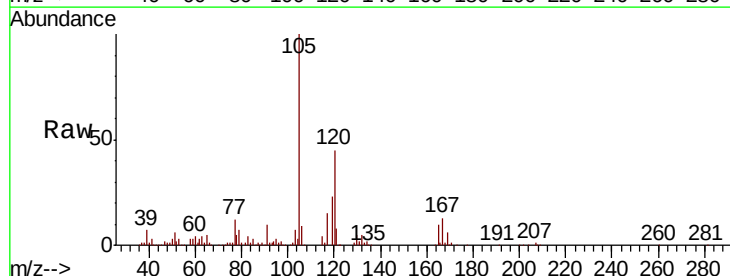
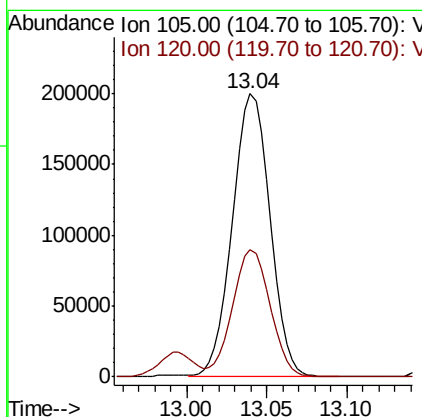
RT: 13.04 min Scan# 3504

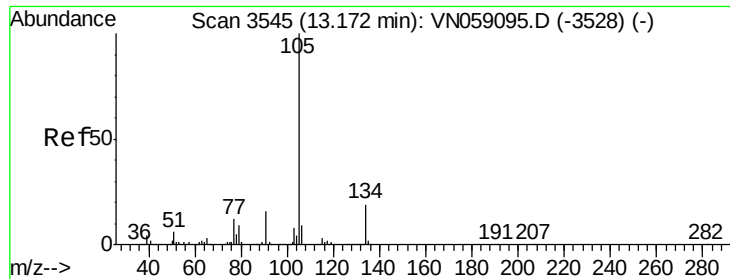
Delta R.T. -0.00 min

Lab File: VN059254.D

Acq: 15 Nov 2019 10:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 318955 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 45.3  | 22.8  | 68.4   |





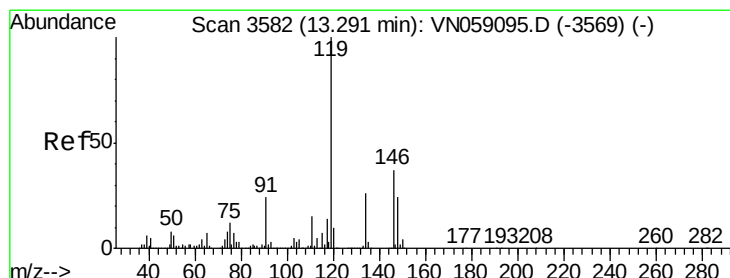
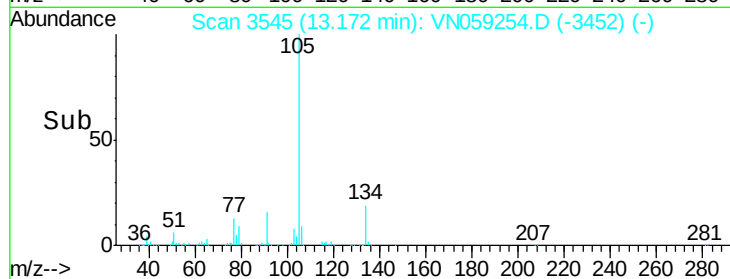
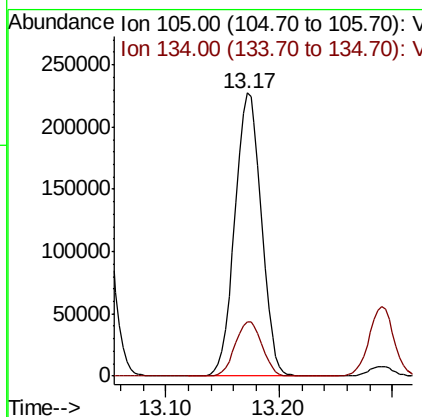
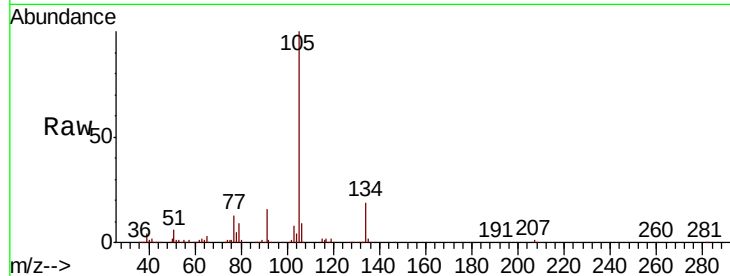
#85  
 sec-Butylbenzene  
 Concen: 21.581 ug/l  
 RT: 13.17 min Scan# 3545  
 Delta R.T. -0.00 min  
 Lab File: VN059254.D  
 Acq: 15 Nov 2019 10:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1115WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.6  | 9.7   | 29.1  |

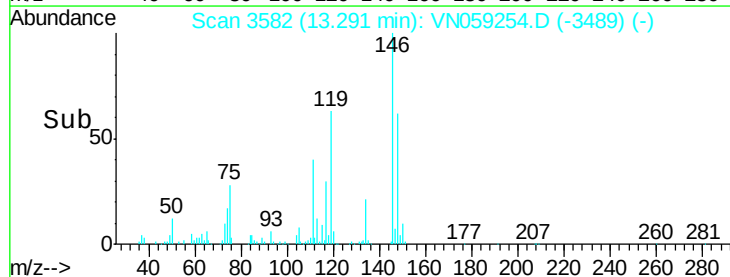
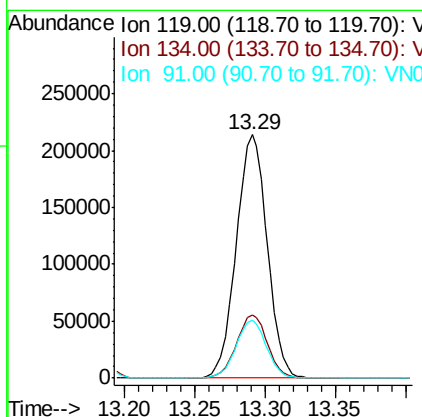
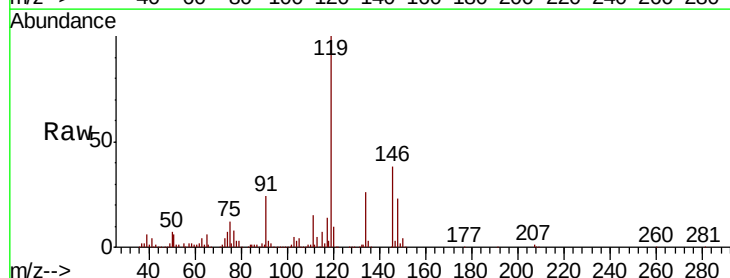
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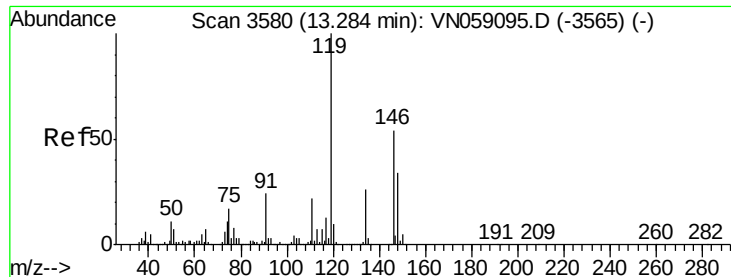


#86  
 p-Isopropyltoluene  
 Concen: 21.534 ug/l  
 RT: 13.29 min Scan# 3582  
 Delta R.T. -0.00 min  
 Lab File: VN059254.D  
 Acq: 15 Nov 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.1  | 13.0  | 38.9  |
| 91      | 23.3  | 11.7  | 35.1  |







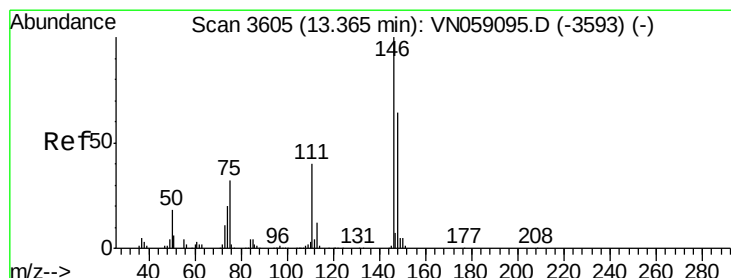
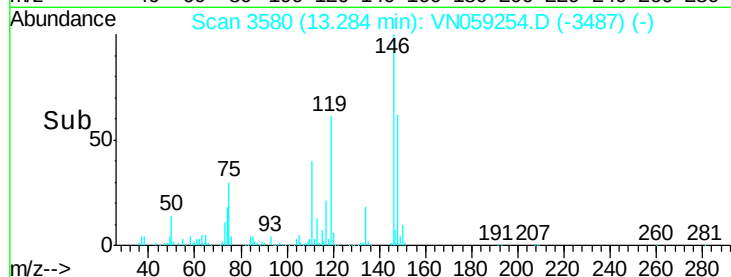
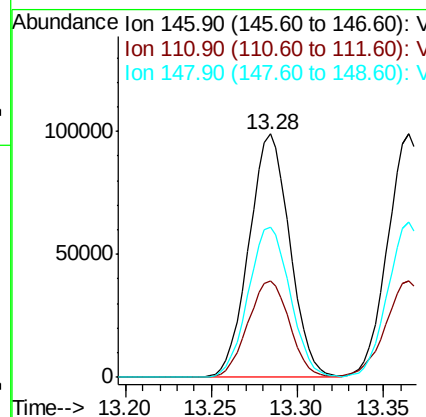
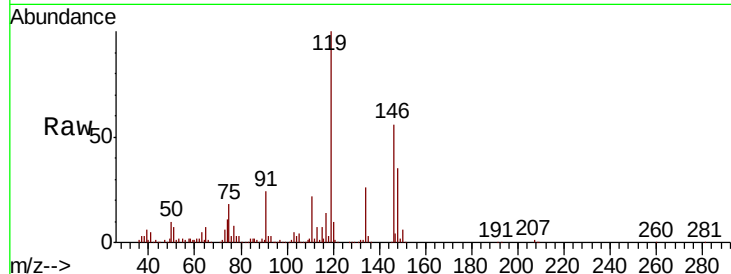
#87  
 1,3-Dichlorobenzene  
 Concen: 20.899 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. -0.00 min  
 Lab File: VN059254.D  
 Acq: 15 Nov 2019 10:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1115WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 162757 |       |       |
| 111     | 40.6  | 20.4   | 61.3  |       |
| 148     | 63.3  | 32.2   | 96.6  |       |

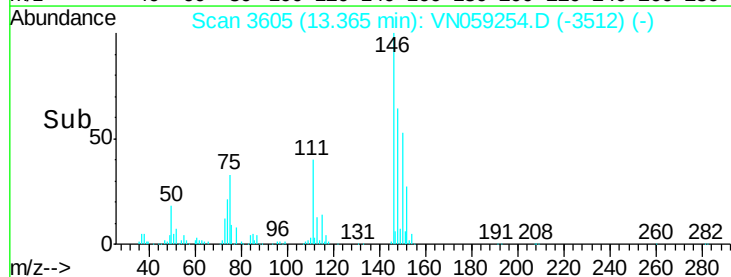
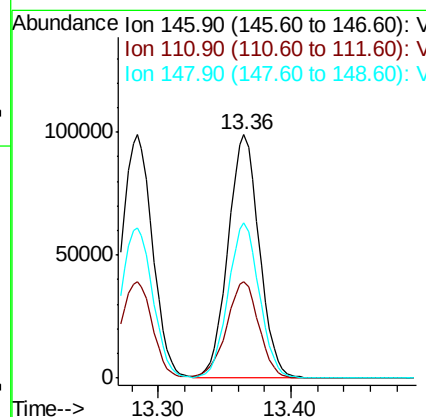
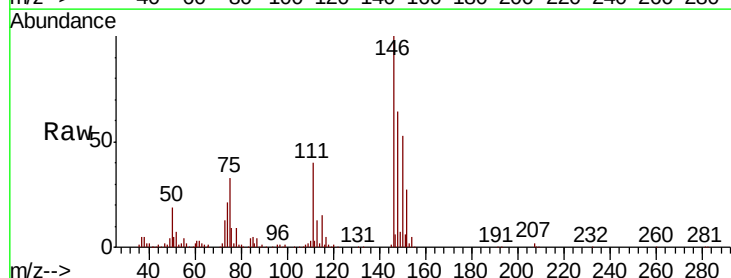
Manual Integrations  
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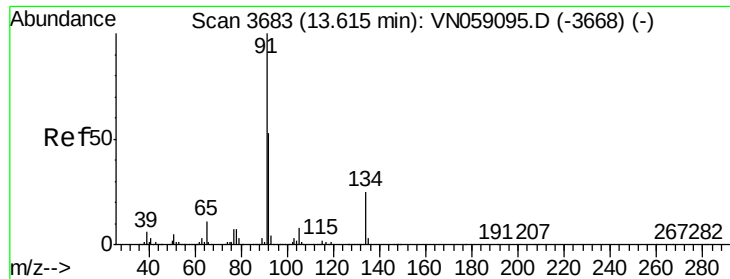
MMDadoda  
 11/18/2019 3:09:55 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 20.776 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. -0.00 min  
 Lab File: VN059254.D  
 Acq: 15 Nov 2019 10:56

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 161882 |       |       |
| 111     | 40.9  | 20.3   | 60.9  |       |
| 148     | 63.8  | 31.9   | 95.7  |       |





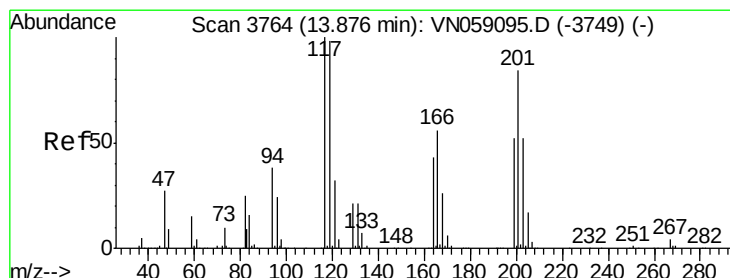
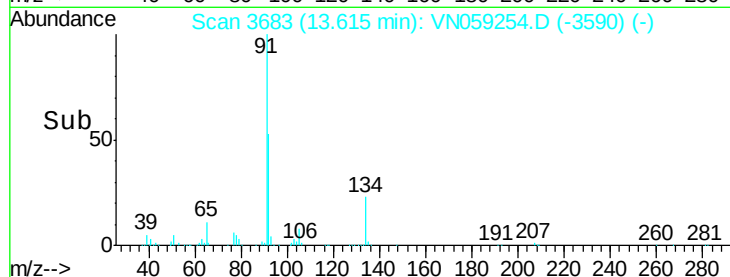
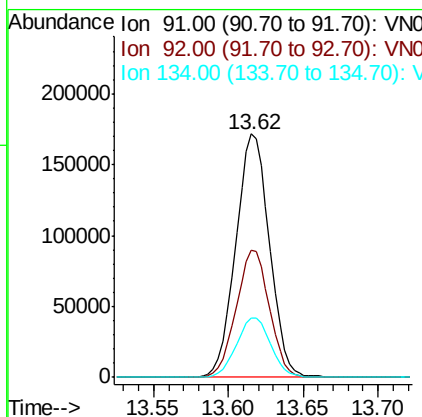
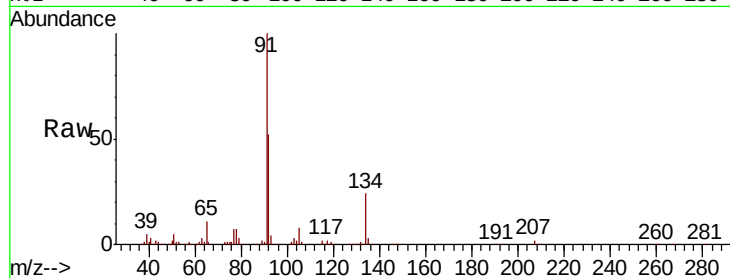
#89  
n-Butylbenzene  
Concen: 20.203 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. -0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1115WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.8  | 26.1  | 78.3  |
| 134     | 25.0  | 12.6  | 37.8  |

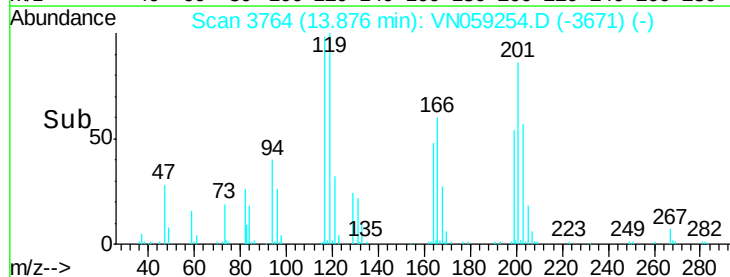
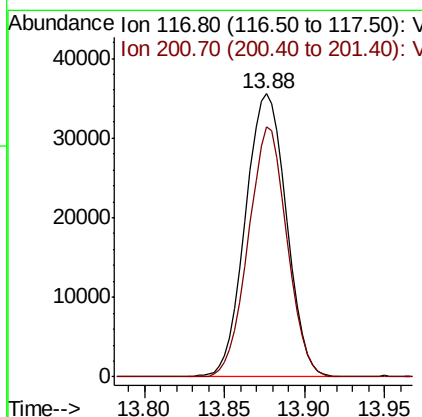
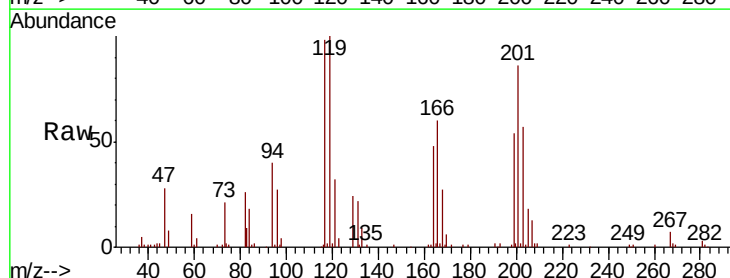
Manual Integrations  
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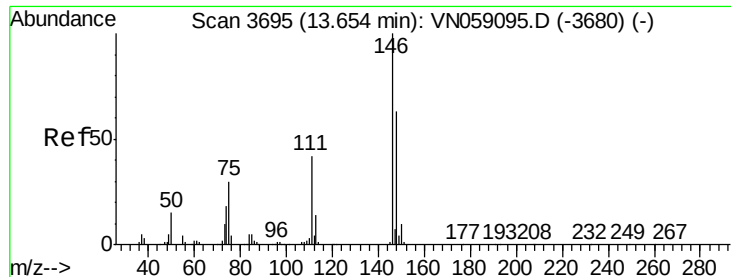
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11/18/2019 3:09:55 PM



#90  
Hexachloroethane  
Concen: 20.419 ug/l  
RT: 13.88 min Scan# 3764  
Delta R.T. -0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 83.2  | 41.8  | 125.3 |





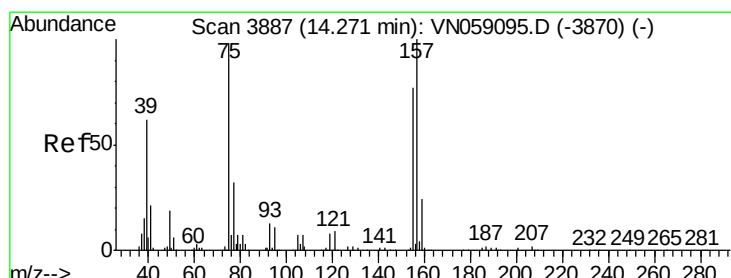
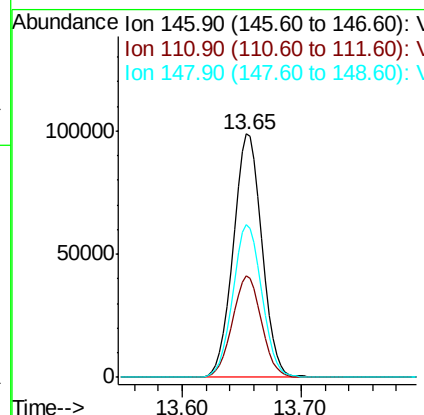
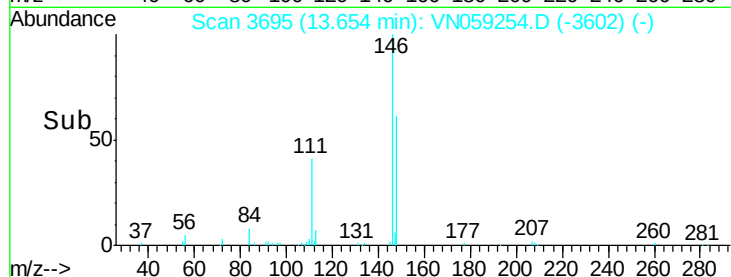
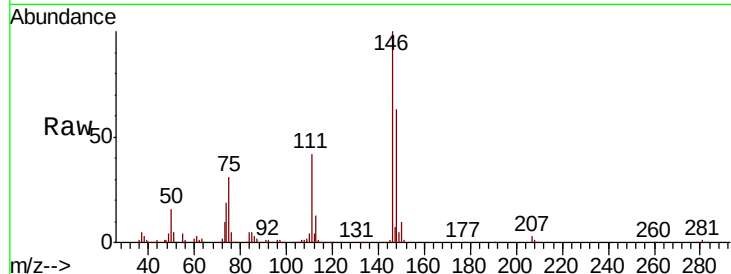
#91  
 1,2-Dichlorobenzene  
 Concen: 21.477 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. -0.00 min  
 Lab File: VN059254.D  
 Acq: 15 Nov 2019 10:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1115WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.0  | 21.2  | 63.6  |
| 148     | 63.6  | 31.6  | 94.7  |

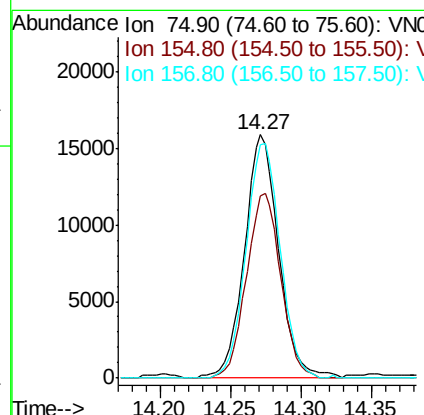
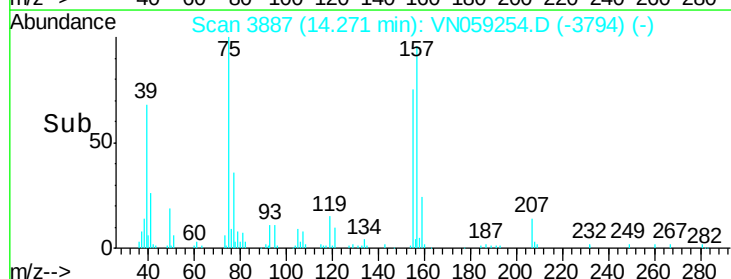
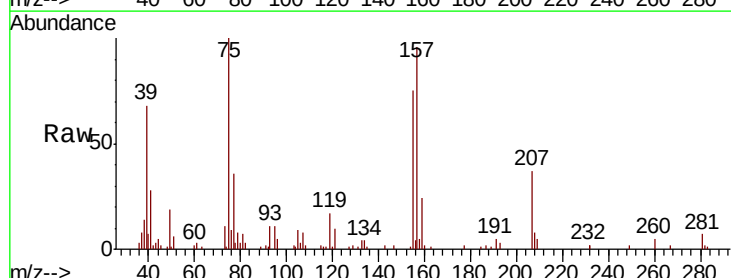
Manual Integrations  
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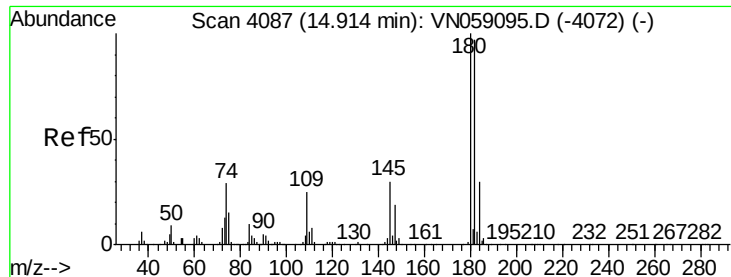
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 11/18/2019 3:09:55 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 22.005 ug/l  
 RT: 14.27 min Scan# 3887  
 Delta R.T. 0.00 min  
 Lab File: VN059254.D  
 Acq: 15 Nov 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 76.0  | 40.2  | 120.6 |
| 157     | 96.2  | 51.8  | 155.5 |





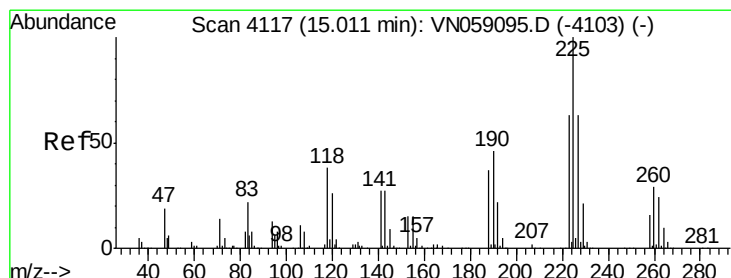
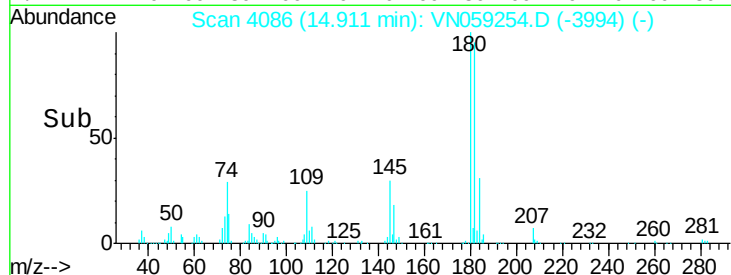
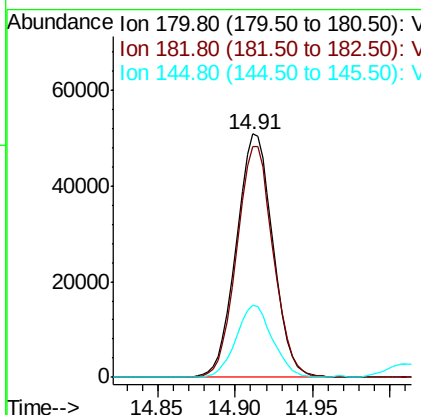
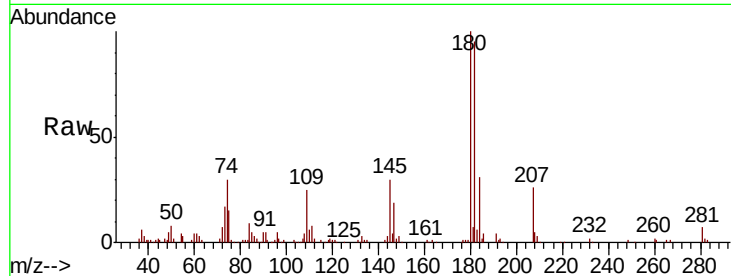
#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.953 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. -0.00 min  
 Lab File: VN059254.D  
 Acq: 15 Nov 2019 10:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1115WBSD01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 94.7  | 48.1 | 144.3 |       |
| 145     | 29.5  | 15.1 | 45.3  |       |

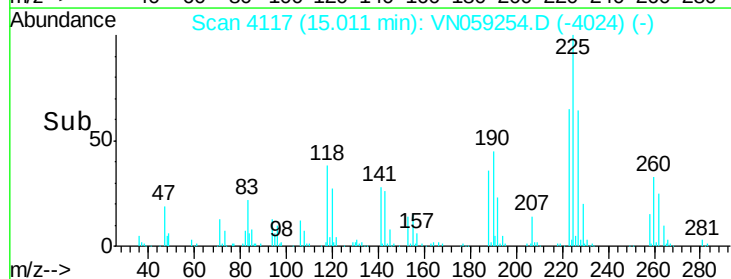
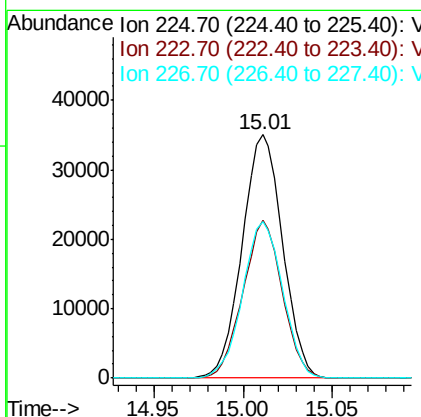
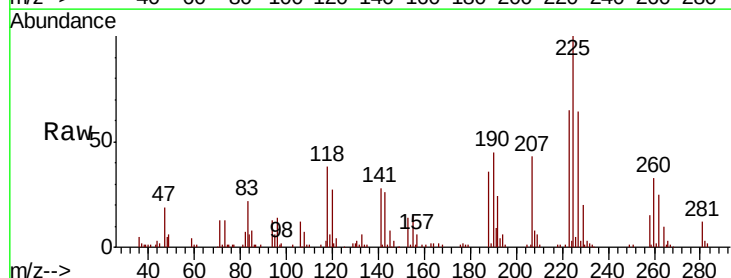
Manual Integrations  
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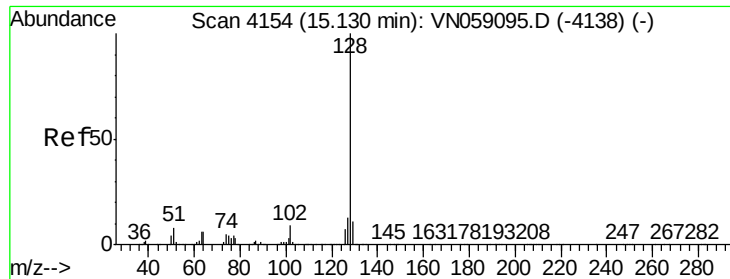
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 11/18/2019 3:09:55 PM



#94  
 Hexachlorobutadiene  
 Concen: 21.026 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. -0.00 min  
 Lab File: VN059254.D  
 Acq: 15 Nov 2019 10:56

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 62.9  | 31.3 | 93.9  |       |
| 227     | 63.7  | 31.5 | 94.5  |       |





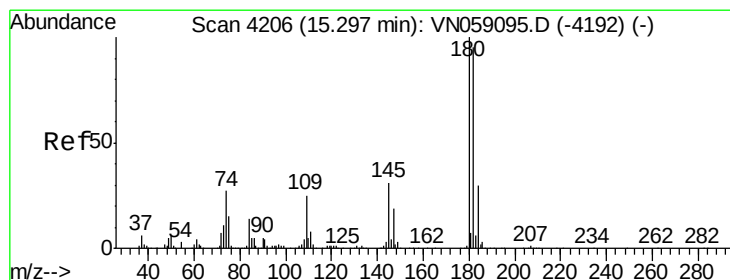
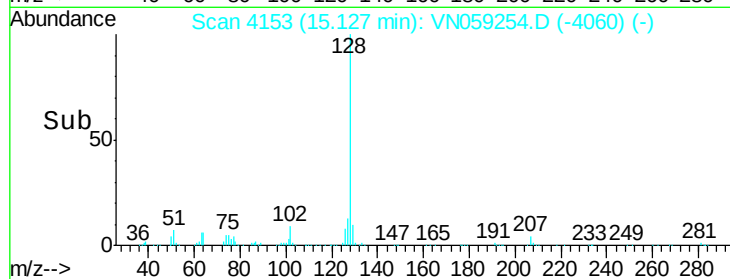
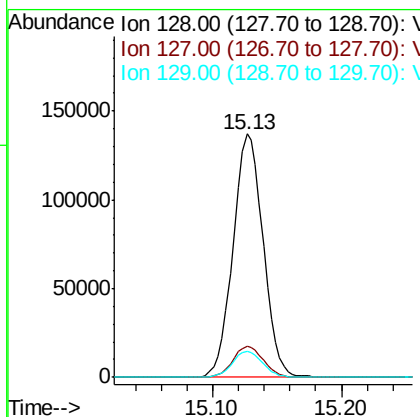
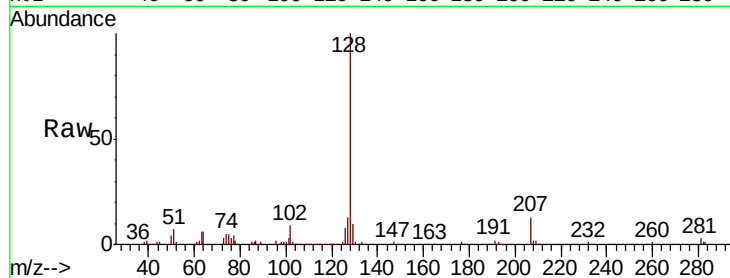
#95  
Naphthalene  
Concen: 19.236 ug/l  
RT: 15.13 min Scan# 4153  
Delta R.T. -0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1115WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.2  | 15.2  |
| 129     | 10.8  | 8.6   | 12.8  |

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11/18/2019 3:09:55 PM



#96  
1,2,3-Trichlorobenzene  
Concen: 20.009 ug/l  
RT: 15.30 min Scan# 4206  
Delta R.T. -0.00 min  
Lab File: VN059254.D  
Acq: 15 Nov 2019 10:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.2  | 47.3  | 141.8 |
| 145     | 33.2  | 15.8  | 47.3  |

