

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\  
 Data File : VN058708.D  
 Acq On : 11 Oct 2019 17:04  
 Operator : JC/SP  
 Sample : VN1013WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1013WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 10/16/2019 12:48:51 AM

Quant Time: Oct 12 00:45:43 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101319W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 12 00:00:30 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.65  | 168  | 470046   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 763973   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 696757   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 334780   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.01   | 65  | 340666   | 51.77 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.54% |      |
| 35) Dibromofluoromethane  | 7.57   | 113 | 244634   | 51.84 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.68% |      |
| 50) Toluene-d8            | 10.08  | 98  | 964604   | 51.12 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.24% |      |
| 62) 4-Bromofluorobenzene  | 12.41  | 95  | 357317   | 50.02 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.04% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 120548  | 20.592  | ug/l | 100    |
| 3) Chloromethane              | 2.04 | 50  | 136457  | 19.602  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.17 | 62  | 138072  | 19.914  | ug/l | 100    |
| 5) Bromomethane               | 2.55 | 94  | 83031   | 19.686  | ug/l | 100    |
| 6) Chloroethane               | 2.68 | 64  | 84769   | 19.822  | ug/l | 97     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 168756  | 20.338  | ug/l | 99     |
| 8) Diethyl Ether              | 3.39 | 74  | 61084   | 19.924  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 94740   | 20.024  | ug/l | 98     |
| 10) Methyl Iodide             | 3.93 | 142 | 126111  | 19.533  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.76 | 59  | 110002  | 103.217 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 3.72 | 96  | 90526   | 20.054  | ug/l | 96     |
| 13) Acrolein                  | 3.58 | 56  | 79703   | 92.989  | ug/l | 100    |
| 14) Allyl chloride            | 4.30 | 41  | 179489  | 19.703  | ug/l | 100    |
| 15) Acrylonitrile             | 4.96 | 53  | 272085  | 101.237 | ug/l | 99     |
| 16) Acetone                   | 3.80 | 43  | 290837  | 106.756 | ug/l | 100    |
| 17) Carbon Disulfide          | 4.03 | 76  | 278217  | 19.281  | ug/l | 99     |
| 18) Methyl Acetate            | 4.30 | 43  | 140760  | 20.369  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.02 | 73  | 331743  | 20.581  | ug/l | 97     |
| 20) Methylene Chloride        | 4.53 | 84  | 107525  | 18.885  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 101295  | 20.061  | ug/l | 97     |
| 22) Diisopropyl ether         | 5.93 | 45  | 361494  | 20.409  | ug/l | 98     |
| 23) Vinyl Acetate             | 5.87 | 43  | 1533110 | 107.269 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 5.82 | 63  | 204279  | 20.250  | ug/l | 100    |
| 25) 2-Butanone                | 6.81 | 43  | 406157  | 103.145 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.80 | 77  | 181021  | 19.658  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.81 | 96  | 115355  | 19.591  | ug/l | 99     |
| 28) Bromochloromethane        | 7.18 | 49  | 73363   | 20.904  | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.19 | 42  | 259553  | 101.998 | ug/l | 99     |
| 30) Chloroform                | 7.35 | 83  | 196972  | 19.434  | ug/l | 99     |
| 31) Cyclohexane               | 7.64 | 56  | 185960  | 19.266  | ug/l | 96     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 174780  | 20.221  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 7.78 | 75  | 150221  | 19.448  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.91 | 43  | 168520  | 21.572  | ug/l | 98     |
| 38) Carbon Tetrachloride      | 7.76 | 117 | 151233  | 20.089  | ug/l | 97     |

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 ALS Vial : 16 Sample Multiplier: 1

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 ClientSampleID :  
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Manual Integrations  
 APPROVED

MMDadoda  
 10/16/2019 12:48:51 AM

Quant Time: Oct 12 00:45:43 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101319W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 12 00:00:30 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 39) Methylcyclohexane          | 9.07  | 83   | 174428   | 19.461  | ug/l  | 98       |
| 40) Benzene                    | 8.03  | 78   | 439954   | 19.832  | ug/l  | 100      |
| 41) Methacrylonitrile          | 7.16  | 41   | 75236m   | 20.574  | ug/l  |          |
| 42) 1,2-Dichloroethane         | 8.11  | 62   | 171578   | 20.132  | ug/l  | 99       |
| 43) Isopropyl Acetate          | 8.15  | 43   | 267487   | 20.100  | ug/l  | # 90     |
| 44) Trichloroethene            | 8.82  | 130  | 108700   | 19.731  | ug/l  | 99       |
| 45) 1,2-Dichloropropane        | 9.11  | 63   | 118690   | 19.986  | ug/l  | 94       |
| 46) Dibromomethane             | 9.20  | 93   | 76550    | 20.331  | ug/l  | 100      |
| 47) Bromodichloromethane       | 9.39  | 83   | 155018   | 20.218  | ug/l  | 99       |
| 48) Methyl methacrylate        | 9.19  | 41   | 122909   | 20.375  | ug/l  | 98       |
| 49) 1,4-Dioxane                | 9.19  | 88   | 39315    | 421.279 | ug/l  | 97       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 817577   | 109.392 | ug/l  | 99       |
| 52) Toluene                    | 10.15 | 92   | 272259   | 20.066  | ug/l  | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 174816   | 19.879  | ug/l  | 100      |
| 54) cis-1,3-Dichloropropene    | 9.83  | 75   | 190535   | 20.407  | ug/l  | 98       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 107235   | 19.310  | ug/l  | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 165890   | 20.447  | ug/l  | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 192447   | 20.336  | ug/l  | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 425685   | 108.874 | ug/l  | 100      |
| 59) 2-Hexanone                 | 10.75 | 43   | 618099   | 107.015 | ug/l  | 100      |
| 60) Dibromochloromethane       | 10.90 | 129  | 115316   | 20.129  | ug/l  | 100      |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 112084   | 20.146  | ug/l  | 98       |
| 64) Tetrachloroethene          | 10.63 | 164  | 96015    | 19.691  | ug/l  | 95       |
| 65) Chlorobenzene              | 11.43 | 112  | 282231   | 19.946  | ug/l  | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 105883   | 20.237  | ug/l  | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 523884   | 20.770  | ug/l  | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 385797   | 40.758  | ug/l  | 98       |
| 69) o-Xylene                   | 11.95 | 106  | 185207   | 20.223  | ug/l  | 98       |
| 70) Styrene                    | 11.97 | 104  | 296733   | 19.769  | ug/l  | 99       |
| 71) Bromoform                  | 12.13 | 173  | 78184    | 20.386  | ug/l  | # 100    |
| 73) Isopropylbenzene           | 12.25 | 105  | 505679   | 20.857  | ug/l  | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 226174   | 20.770  | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 164722   | 20.623  | ug/l  | 99       |
| 76) 1,2,3-Trichloropropane     | 12.56 | 75   | 149063m  | 20.297  | ug/l  |          |
| 77) Bromobenzene               | 12.53 | 156  | 119158   | 20.205  | ug/l  | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 593800   | 21.018  | ug/l  | 99       |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 347440   | 19.813  | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.74 | 105  | 429791   | 20.763  | ug/l  | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 55890    | 20.385  | ug/l  | 99       |
| 82) 4-Chlorotoluene            | 12.78 | 91   | 362132   | 20.125  | ug/l  | 99       |
| 83) tert-Butylbenzene          | 13.00 | 119  | 360544   | 20.332  | ug/l  | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 422232   | 20.548  | ug/l  | 99       |
| 85) sec-Butylbenzene           | 13.18 | 105  | 488512   | 20.907  | ug/l  | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 440837   | 20.759  | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene        | 13.29 | 146  | 211387   | 19.436  | ug/l  | 98       |
| 88) 1,4-Dichlorobenzene        | 13.37 | 146  | 211972   | 19.169  | ug/l  | 97       |
| 89) n-Butylbenzene             | 13.62 | 91   | 389989   | 19.861  | ug/l  | 100      |
| 90) Hexachloroethane           | 13.88 | 117  | 77346    | 20.355  | ug/l  | 98       |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 212636   | 20.060  | ug/l  | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.28 | 75   | 36943    | 19.798  | ug/l  | 96       |

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Sample : VN1013WBS01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1013WBS01

Manual Integrations  
APPROVED

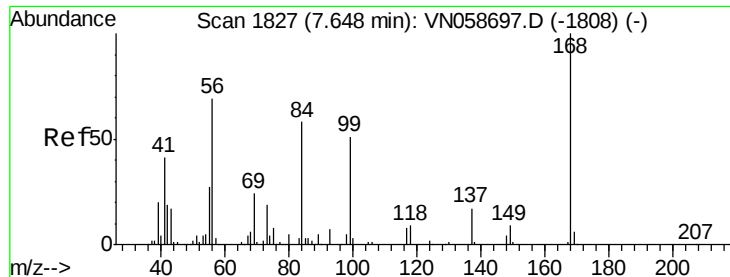
MMDadoda  
10/16/2019 12:48:51 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101319W.M  
Quant Title : SW846 8260  
QLast Update : Sat Oct 12 00:00:30 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.92 | 180  | 128995   | 19.949 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 68218    | 20.034 | ug/l  | 98       |
| 95) Naphthalene            | 15.13 | 128  | 360952   | 19.423 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.30 | 180  | 120905   | 19.152 | ug/l  | 97       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA\_N

ClientSampleId :

VN1013WBS01

Tot Ion:168 Resp: 470046

Ion Ratio Lower Upper

168 100

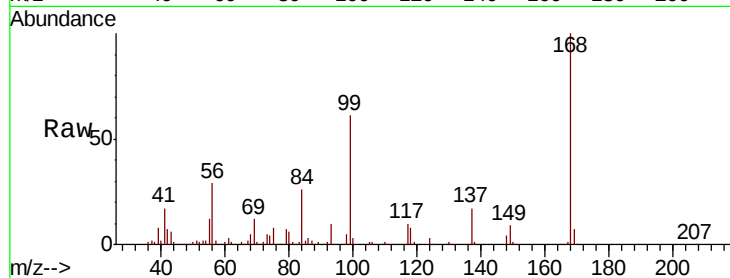
99 60.7 47.5 71.3

Manual Integrations

APPROVED

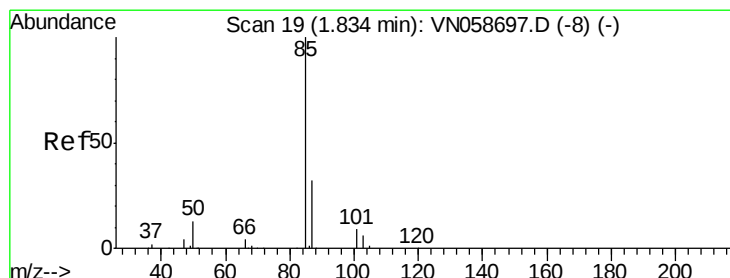
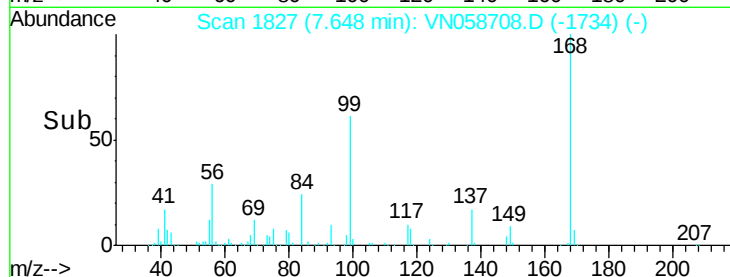
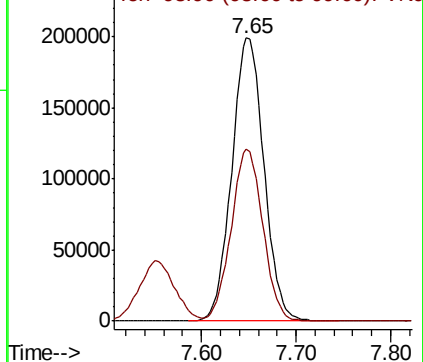
MMDadoda

10/16/2019 12:48:51 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.592 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058708.D

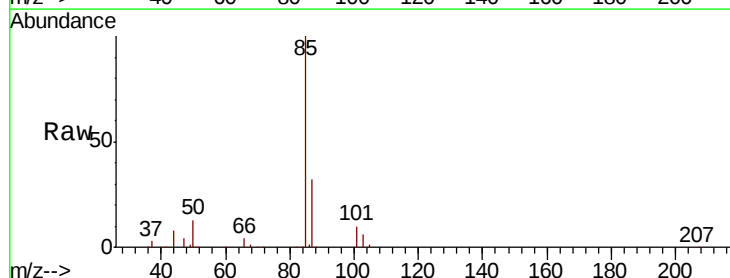
Acq: 11 Oct 2019 17:04

Tgt Ion: 85 Resp: 120548

Ion Ratio Lower Upper

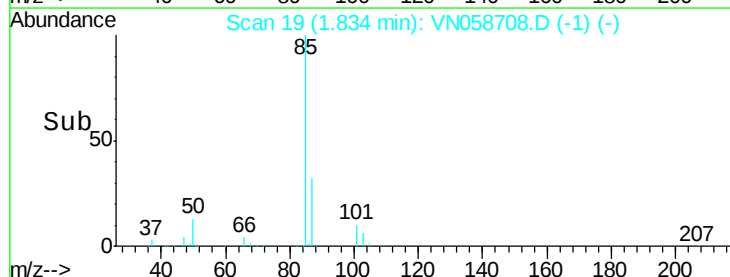
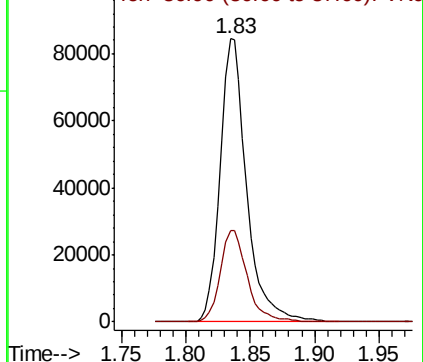
85 100

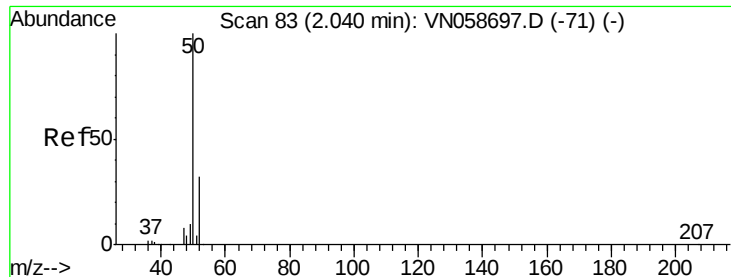
87 32.3 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.602 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA\_N

ClientSampleId :

VN1013WBS01

Tot Ion: 50 Resp: 136457

Ion Ratio Lower Upper

50 100

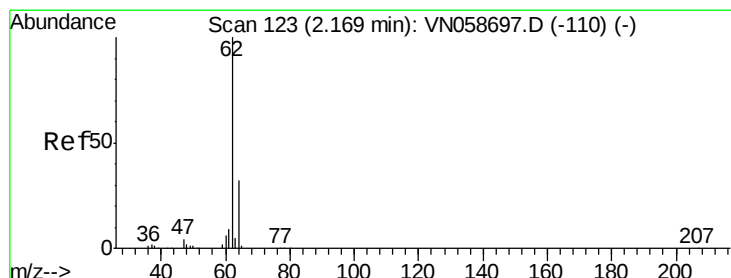
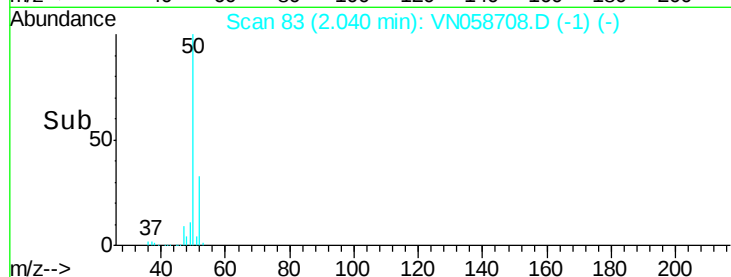
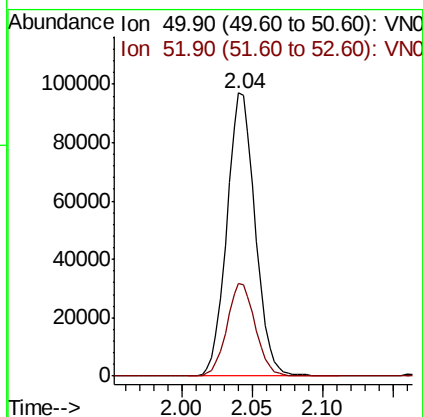
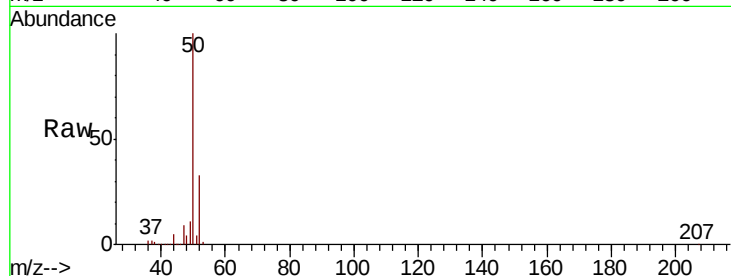
52 32.7 25.8 38.6

Manual Integrations

APPROVED

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10/16/2019 12:48:51 AM



#4

Vinyl Chloride

Concen: 19.914 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058708.D

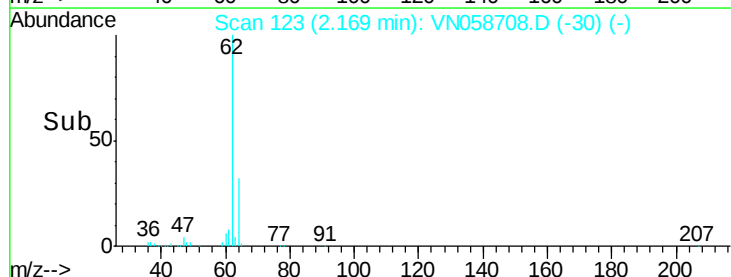
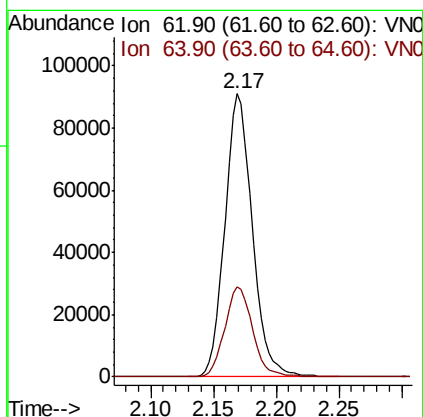
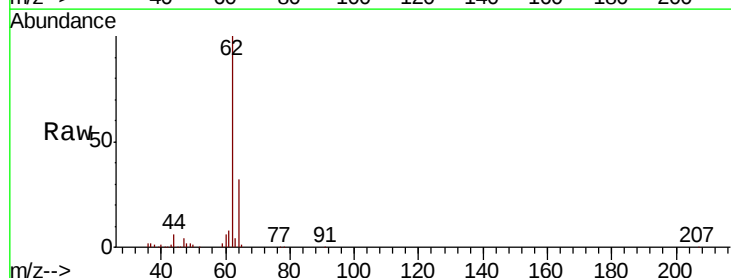
Acq: 11 Oct 2019 17:04

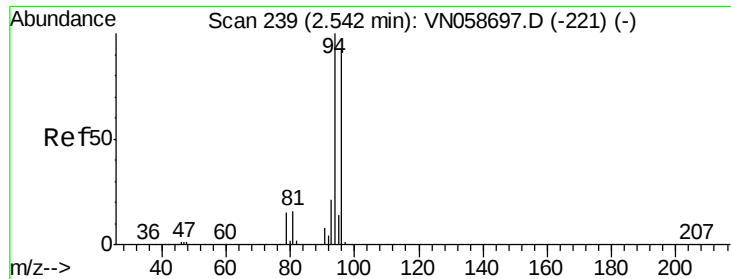
Tgt Ion: 62 Resp: 138072

Ion Ratio Lower Upper

62 100

64 31.7 25.3 37.9





#5

Bromomethane

Concen: 19.686 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

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ClientSampleId :

VN1013WBS01

Tot Ion: 94 Resp: 83031

Ion Ratio Lower Upper

94 100

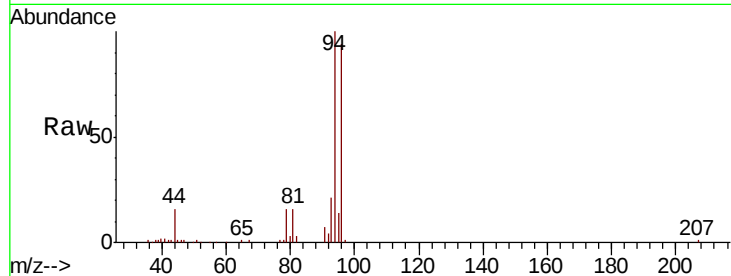
96 93.5 74.5 111.7

Manual Integrations

APPROVED

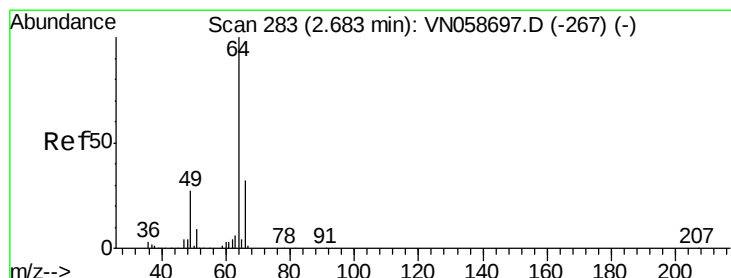
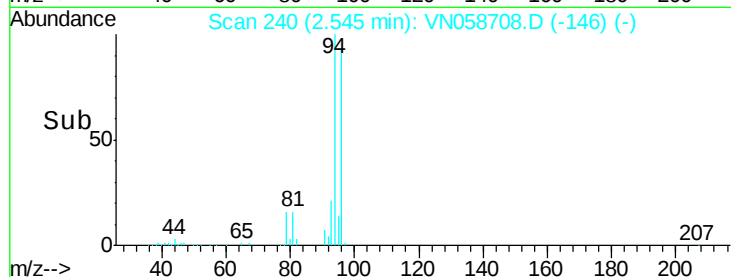
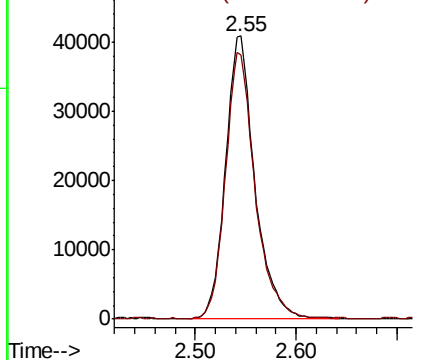
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10/16/2019 12:48:51 AM



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 19.822 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058708.D

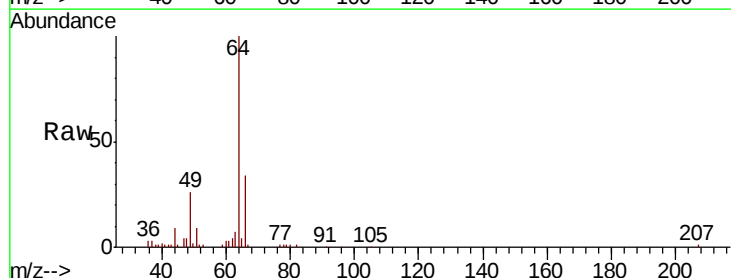
Acq: 11 Oct 2019 17:04

Tgt Ion: 64 Resp: 84769

Ion Ratio Lower Upper

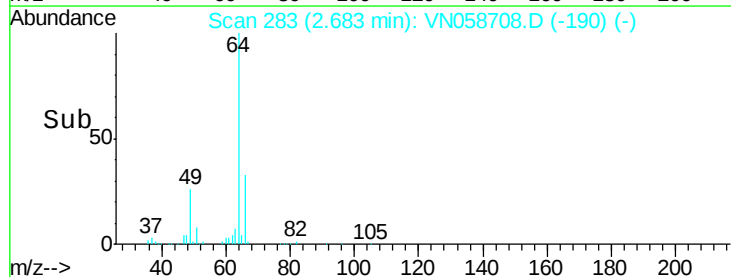
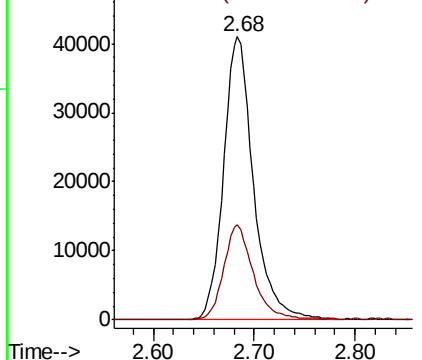
64 100

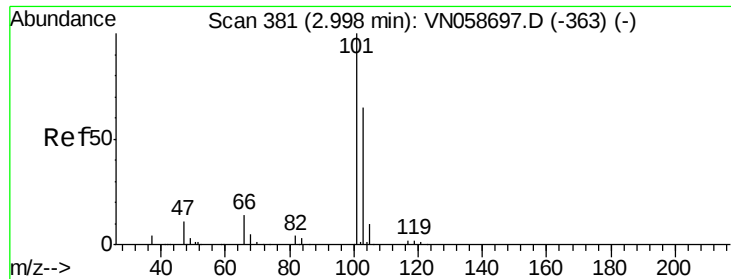
66 33.7 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

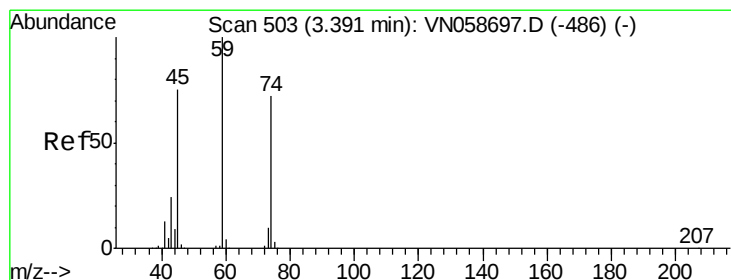
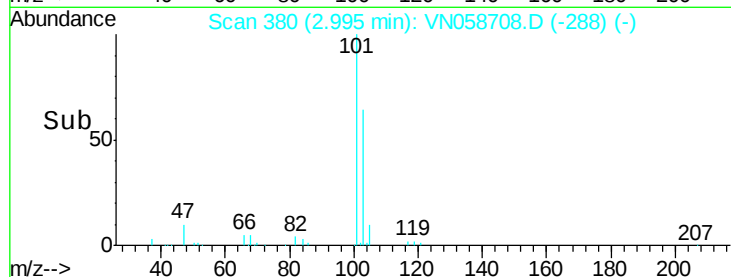
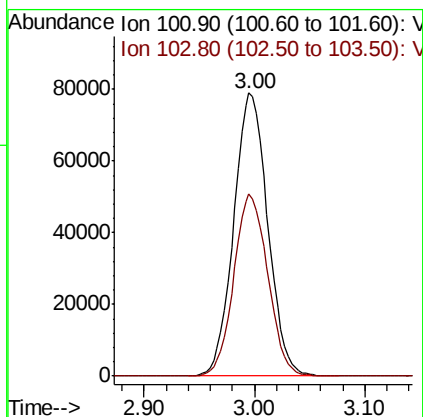
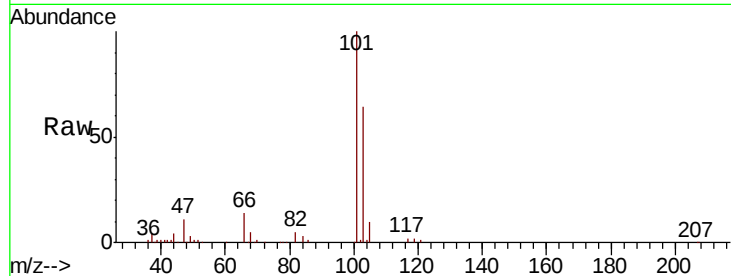
Trichlorofluoromethane  
 Concen: 20.338 ug/l  
 RT: 3.00 min Scan# 380  
 Delta R.T. -0.00 min  
 Lab File: VN058708.D  
 Acq: 11 Oct 2019 17:04

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1013WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.2  | 51.8  | 77.6  |

Manual Integrations  
 APPROVED

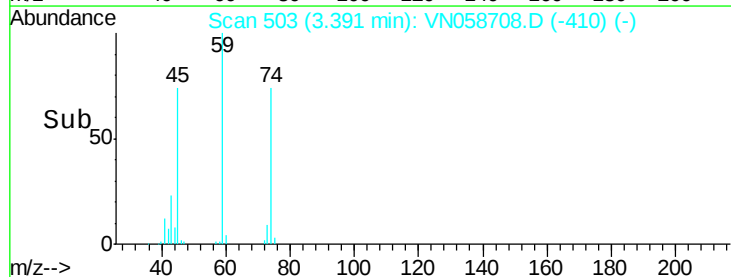
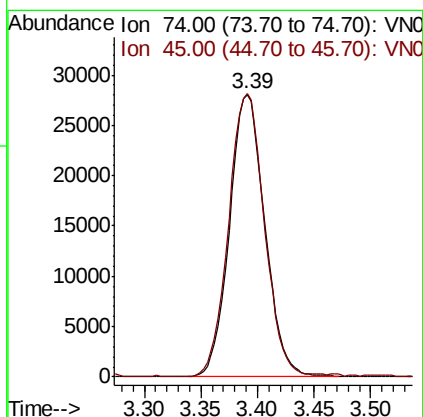
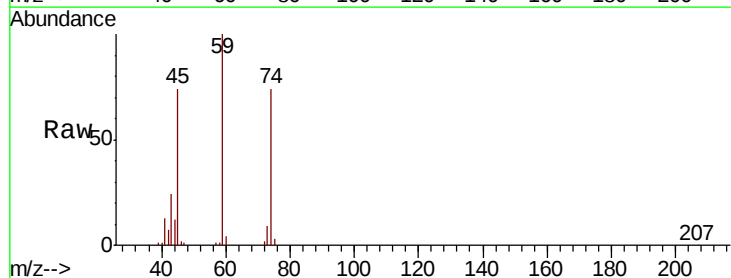
MMDadoda  
 10/16/2019 12:48:51 AM

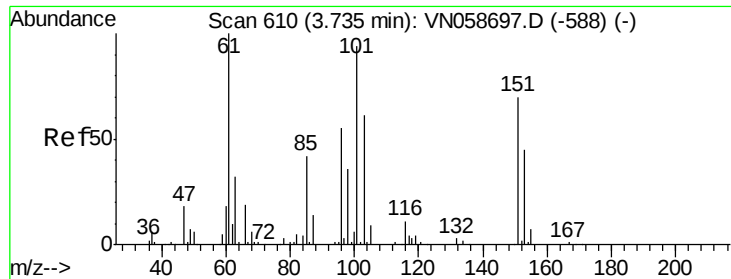


#8

Diethyl Ether  
 Concen: 19.924 ug/l  
 RT: 3.39 min Scan# 503  
 Delta R.T. 0.00 min  
 Lab File: VN058708.D  
 Acq: 11 Oct 2019 17:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 102.2 | 51.3  | 154.0 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.024 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA\_N

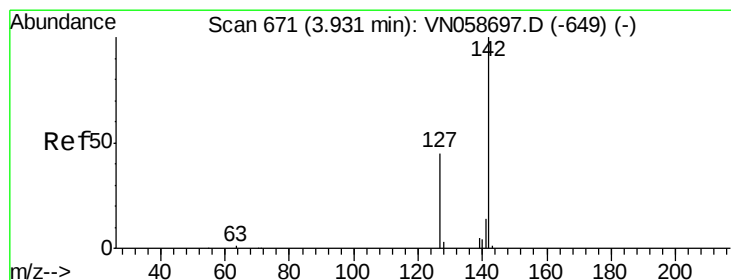
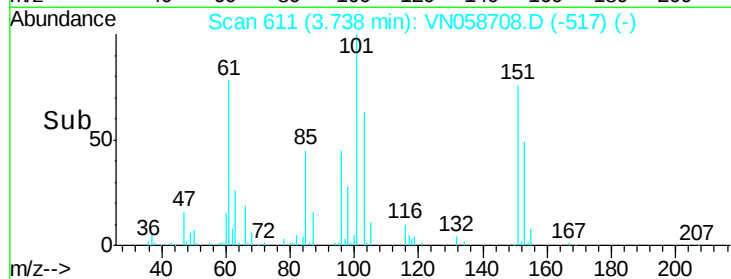
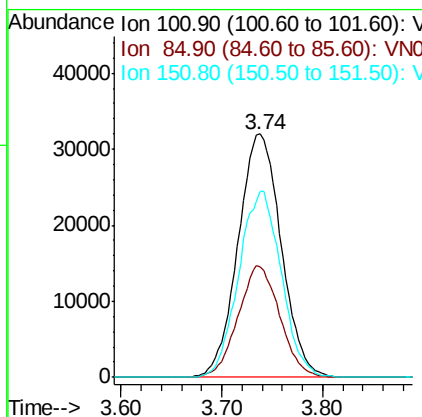
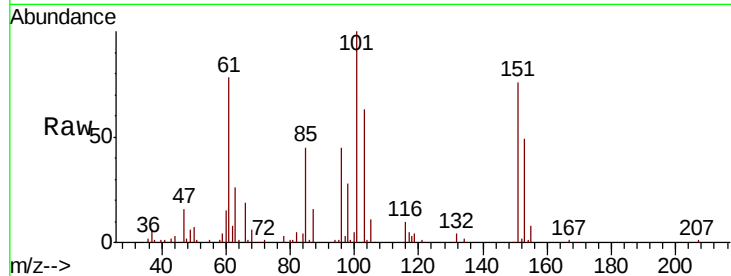
ClientSampleId :

VN1013WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 94740 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.4  | 37.0  | 55.6  |
| 151       | 75.3  | 61.8  | 92.6  |

Manual Integrations  
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MMDadoda  
10/16/2019 12:48:51 AM



#10

Methyl Iodide

Concen: 19.533 ug/l

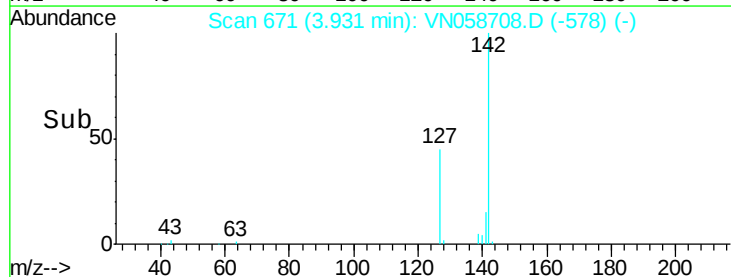
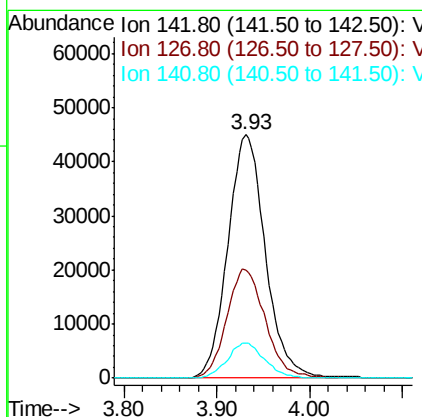
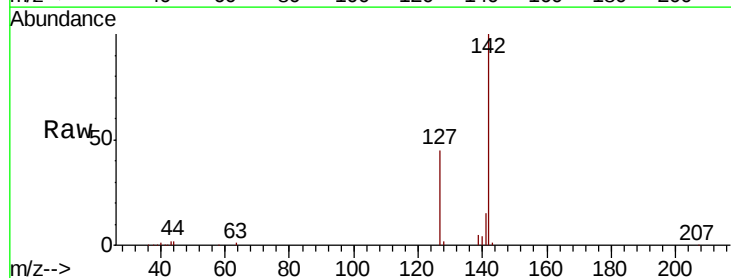
RT: 3.93 min Scan# 671

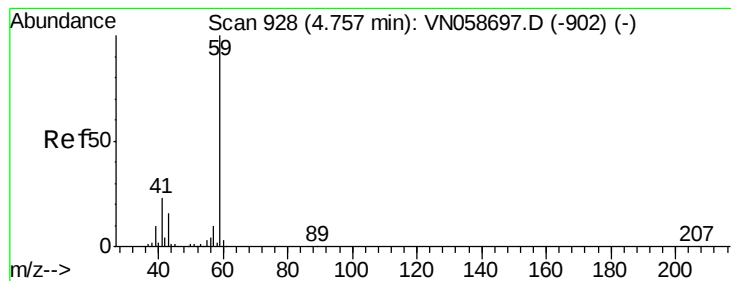
Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 126111 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 45.8  | 36.4  | 54.6   |
| 141       | 14.3  | 11.1  | 16.7   |





#11

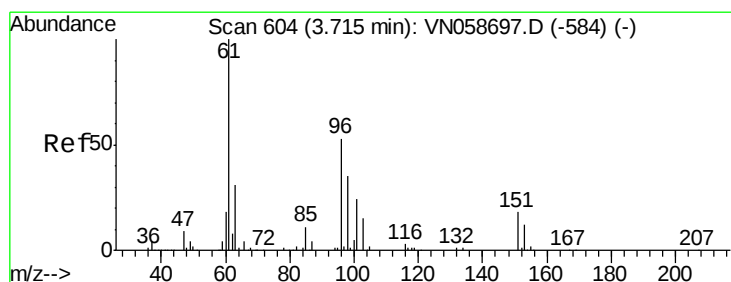
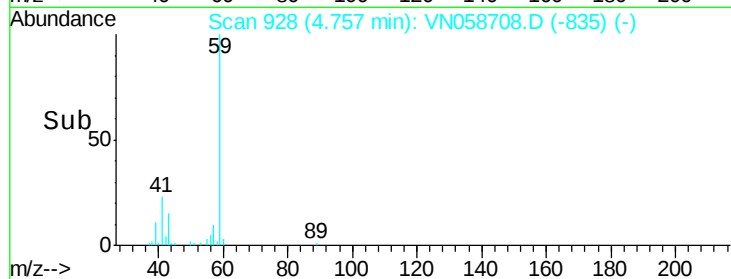
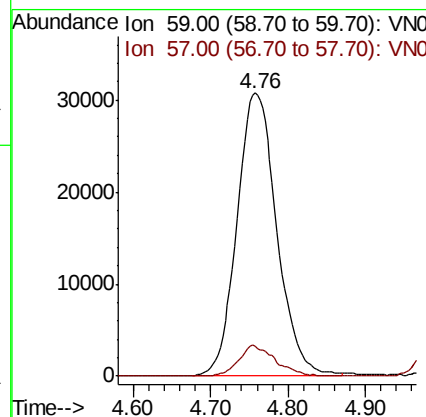
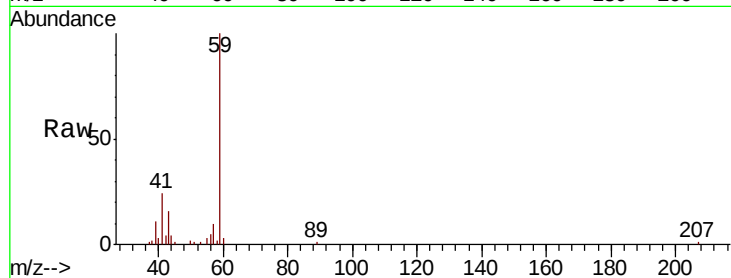
Tert butyl alcohol  
 Concen: 103.217 ug/l  
 RT: 4.76 min Scan# 928  
 Delta R.T. 0.00 min  
 Lab File: VN058708.D  
 Acq: 11 Oct 2019 17:04

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1013WBS01

| Tot Ion | 59.00 (58.70 to 59.70): VNO | Resp  | 110002 |
|---------|-----------------------------|-------|--------|
| Ion     | Ratio                       | Lower | Upper  |
| 59      | 100                         |       |        |
| 57      | 9.9                         | 8.4   | 12.6   |

Manual Integrations  
 APPROVED

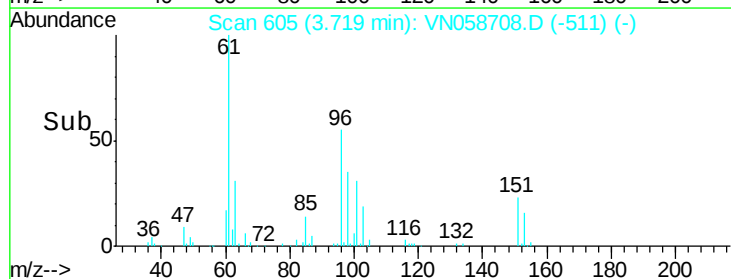
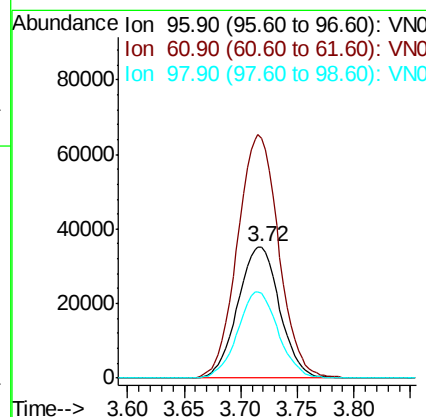
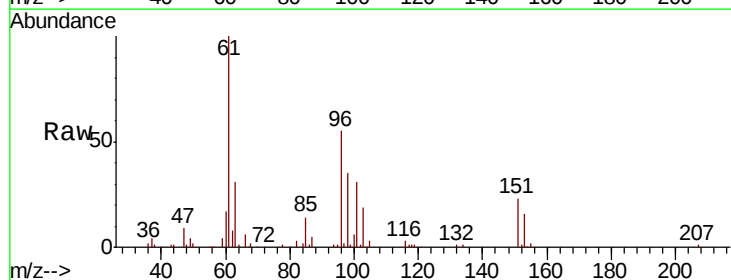
MMDadoda  
 10/16/2019 12:48:51 AM

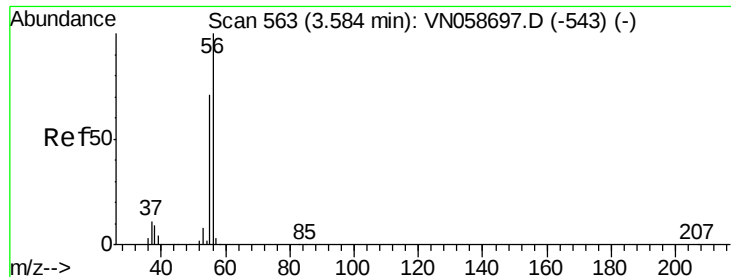


#12

1,1-Dichloroethene  
 Concen: 20.054 ug/l  
 RT: 3.72 min Scan# 605  
 Delta R.T. 0.00 min  
 Lab File: VN058708.D  
 Acq: 11 Oct 2019 17:04

| Tgt Ion | 96    | Resp  | 90526 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 96      | 100   |       |       |
| 61      | 182.7 | 151.3 | 226.9 |
| 98      | 64.2  | 52.6  | 78.8  |





#13

Acrolein

Concen: 92.989 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA\_N

ClientSampleId :

VN1013WBS01

Tot Ion: 56 Resp: 79703

Ion Ratio Lower Upper

56 100

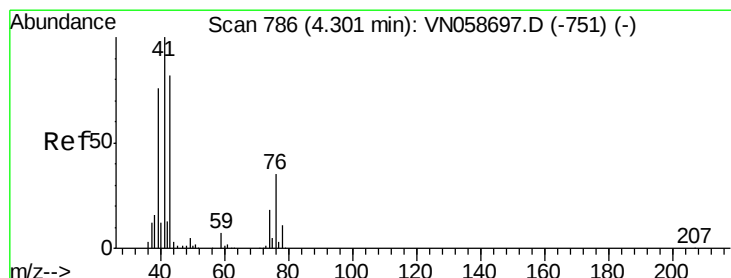
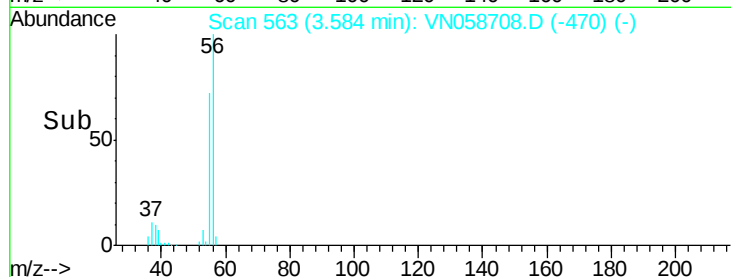
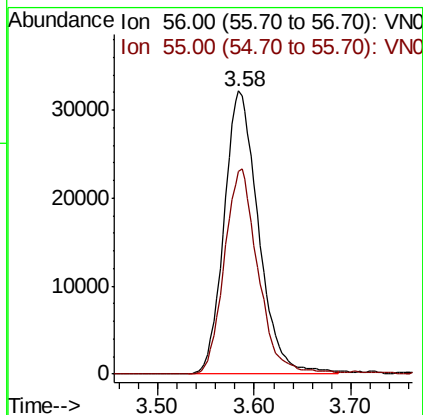
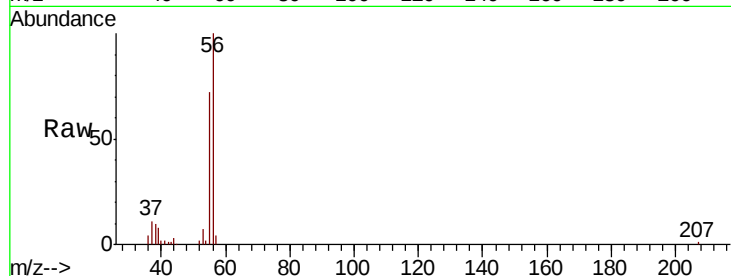
55 71.2 56.7 85.1

Manual Integrations

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MMDadoda

10/16/2019 12:48:51 AM



#14

Allyl chloride

Concen: 19.703 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

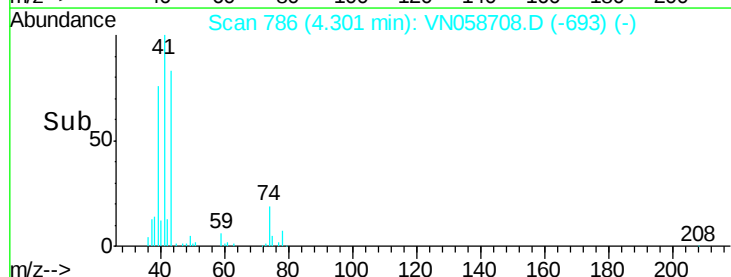
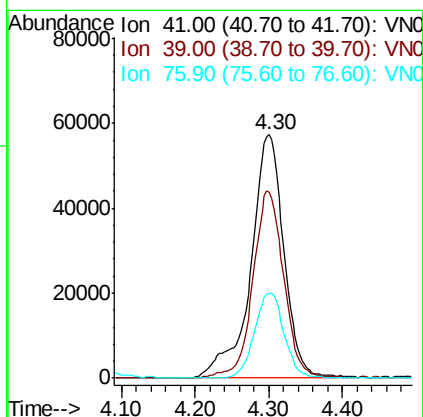
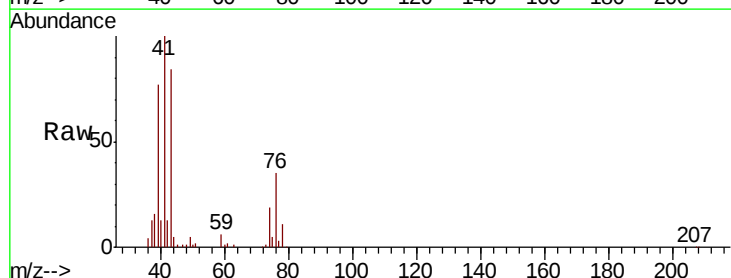
Tgt Ion: 41 Resp: 179489

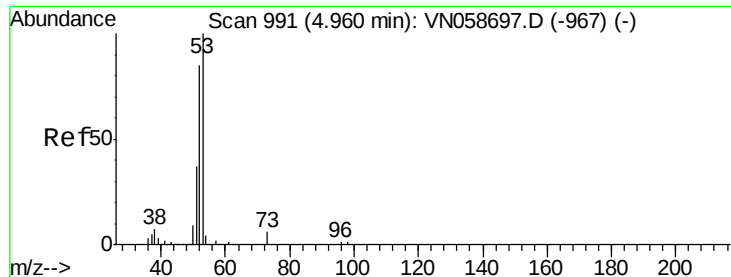
Ion Ratio Lower Upper

41 100

39 71.8 57.2 85.8

76 31.2 25.0 37.6





#15

Acrylonitrile

Concen: 101.237 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA\_N

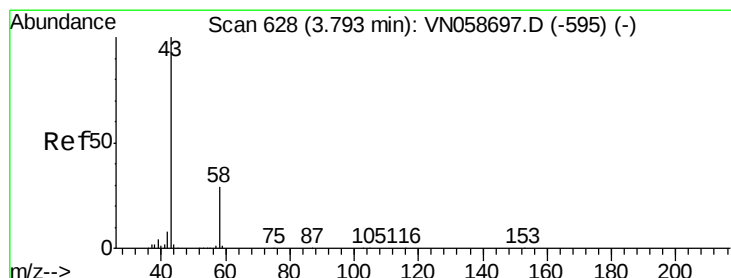
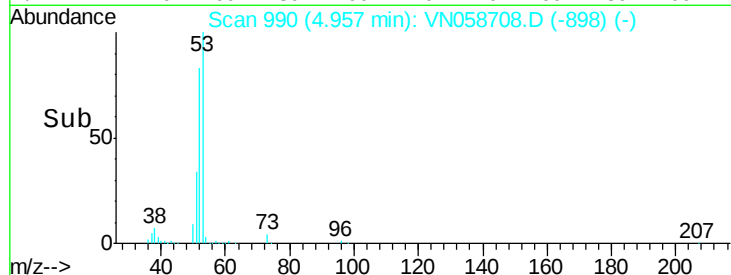
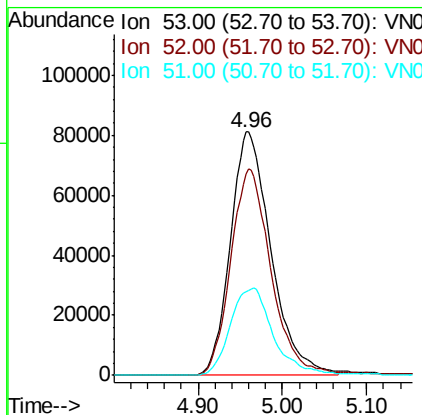
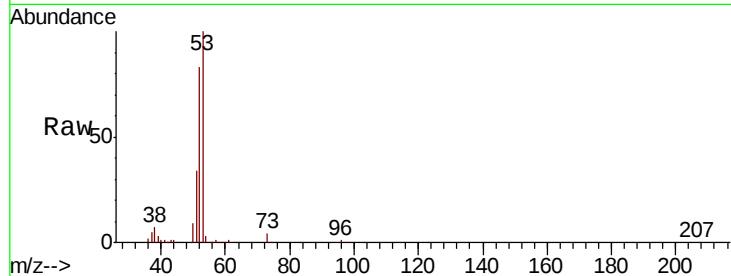
ClientSampleId :

VN1013WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 272085 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 83.7  | 66.2  | 99.2   |
| 51       | 37.7  | 29.4  | 44.2   |

Manual Integrations  
APPROVED

MMDadoda  
10/16/2019 12:48:51 AM



#16

Acetone

Concen: 106.756 ug/l

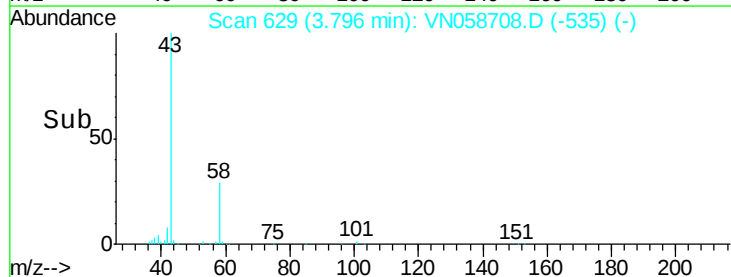
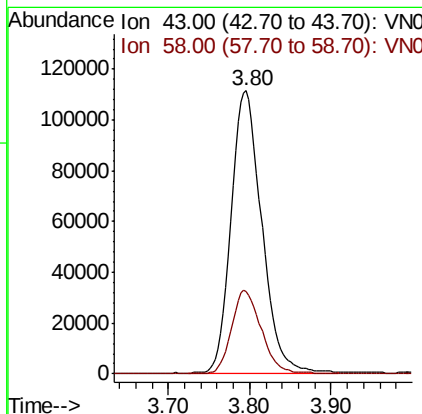
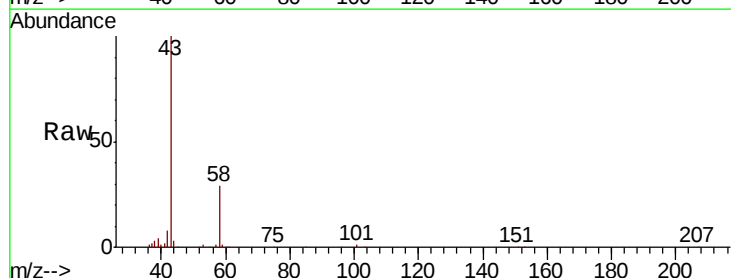
RT: 3.80 min Scan# 629

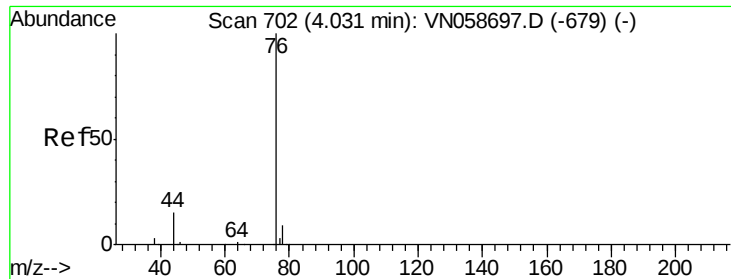
Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 290837 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 29.1  | 23.3  | 34.9   |





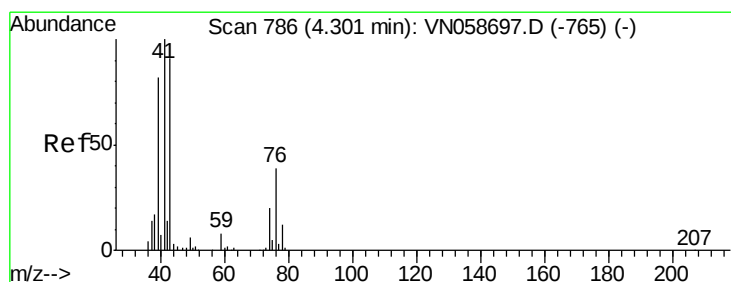
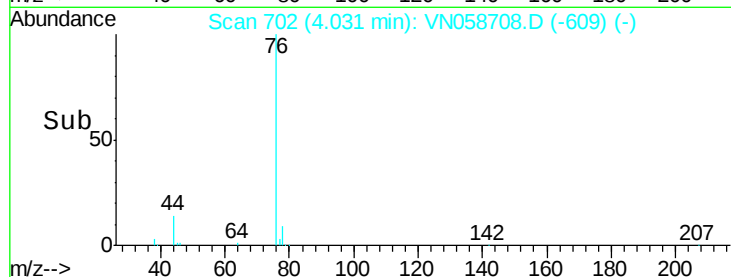
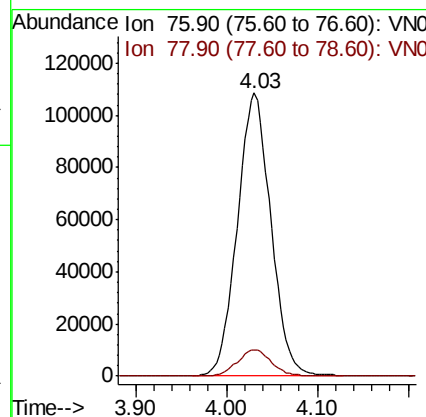
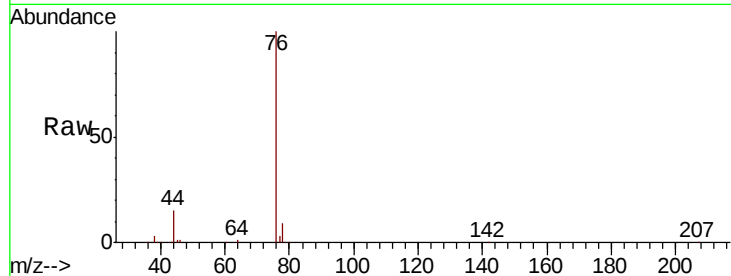
#17  
Carbon Disulfide  
Concen: 19.281 ug/l  
RT: 4.03 min Scan# 702  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1013WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.4   | 7.1   | 10.7  |

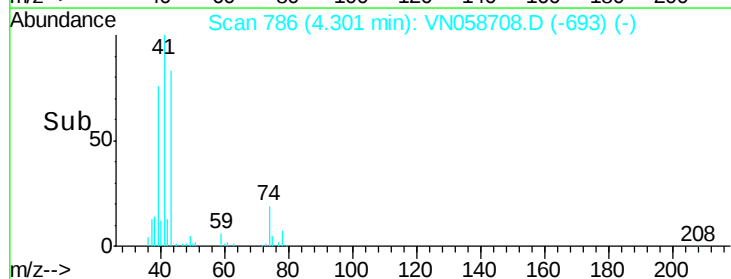
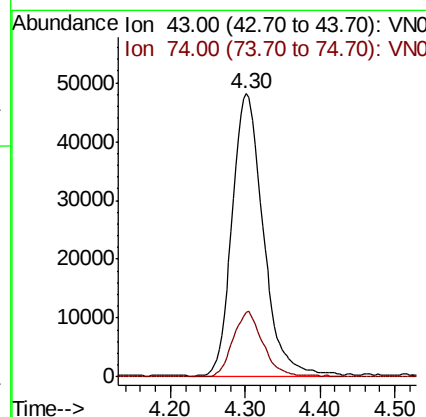
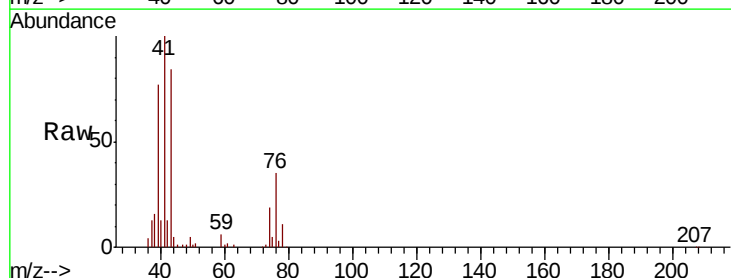
Manual Integrations  
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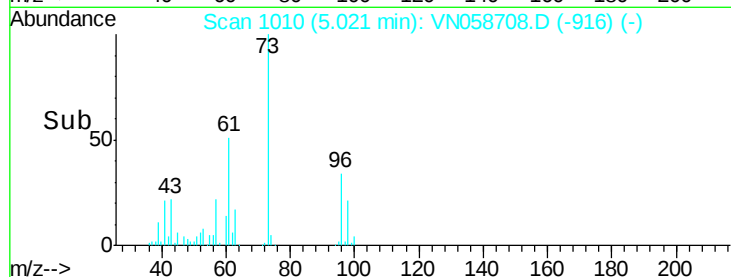
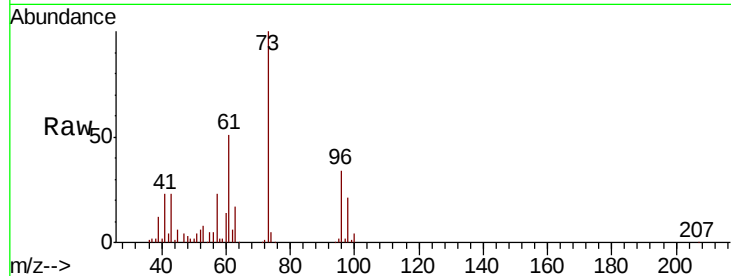
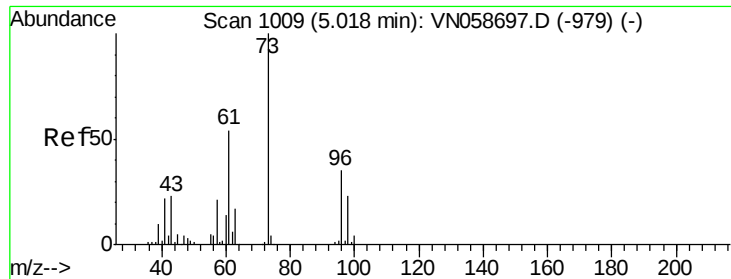
MMDadoda  
10/16/2019 12:48:51 AM



#18  
Methyl Acetate  
Concen: 20.369 ug/l  
RT: 4.30 min Scan# 786  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 22.2  | 17.2  | 25.8  |





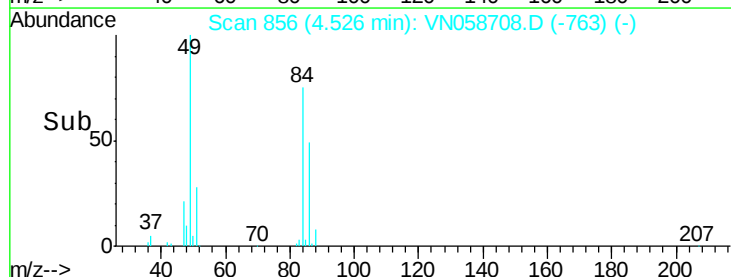
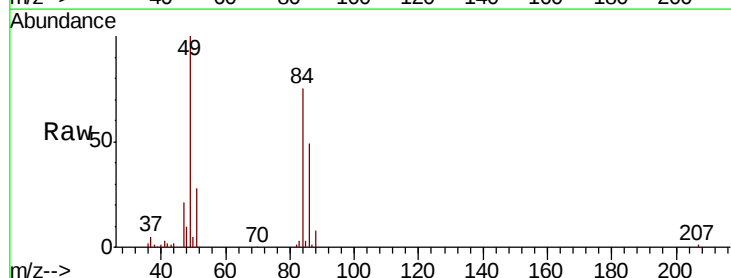
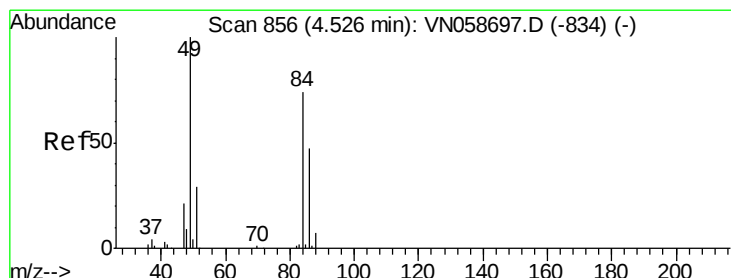
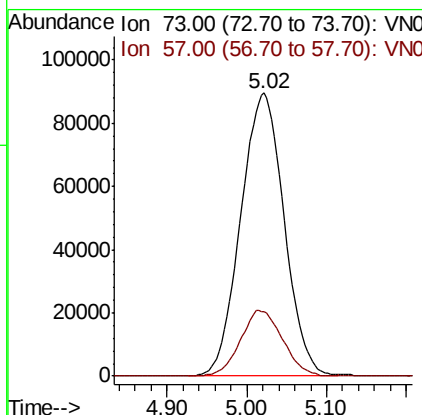
#19  
Methvl tert-butvl Ether  
Concen: 20.581 ug/l  
RT: 5.02 min Scan# 1010  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

Tot Ion: 73 Resp: 331743  
Ion Ratio Lower Upper  
73 100  
57 22.6 17.0 25.6

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1013WBS01

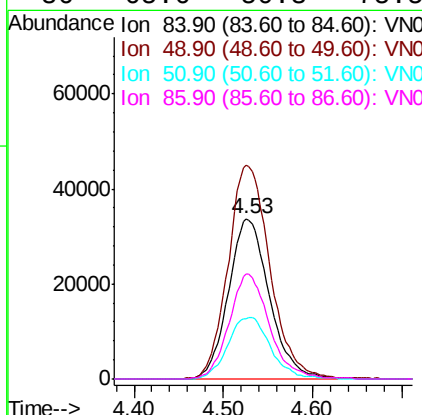
Manual Integrations  
APPROVED

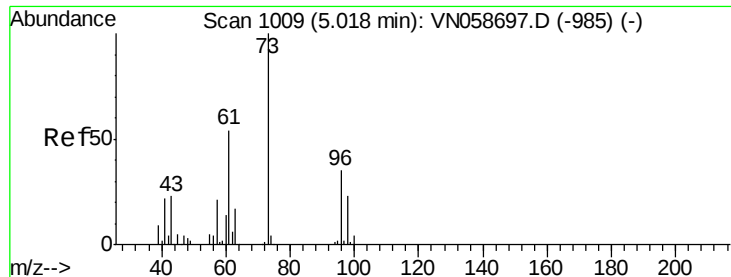
MMDadoda  
10/16/2019 12:48:51 AM



#20  
Methylene Chloride  
Concen: 18.885 ug/l  
RT: 4.53 min Scan# 856  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

Tgt Ion: 84 Resp: 107525  
Ion Ratio Lower Upper  
84 100  
49 132.2 107.6 161.4  
51 37.8 31.4 47.0  
86 65.6 50.3 75.5





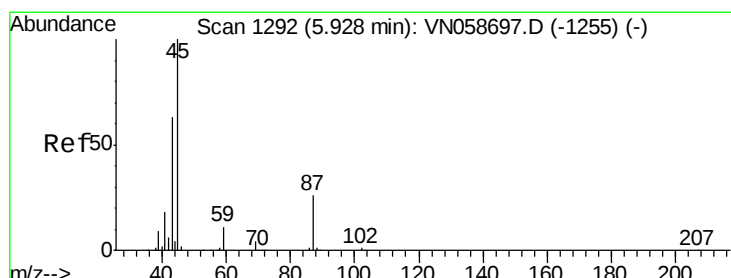
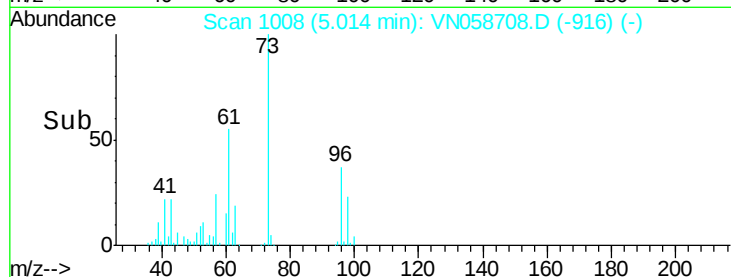
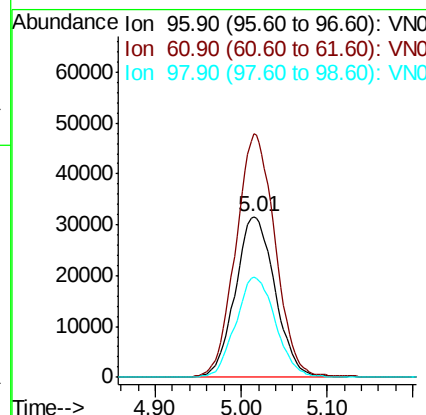
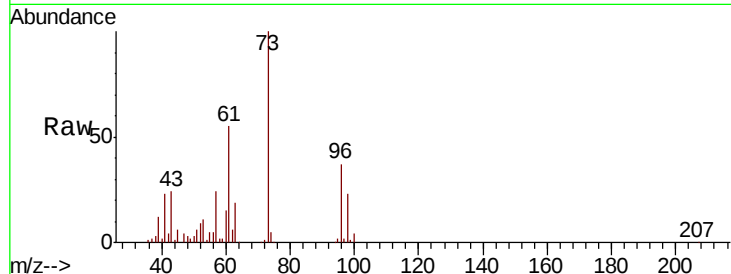
#21  
trans-1,2-Dichloroethene  
Concen: 20.061 ug/l  
RT: 5.01 min Scan# 1008  
Delta R.T. -0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1013WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 151.0 | 123.6 | 185.4 |
| 98      | 62.4  | 52.1  | 78.1  |

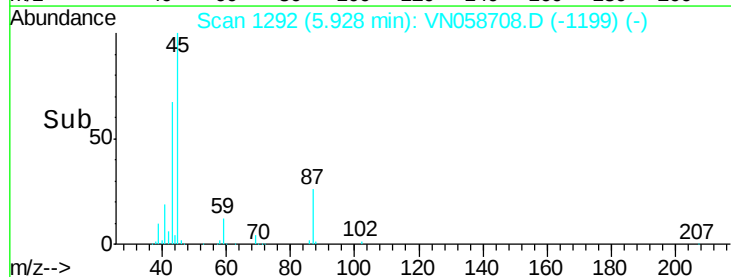
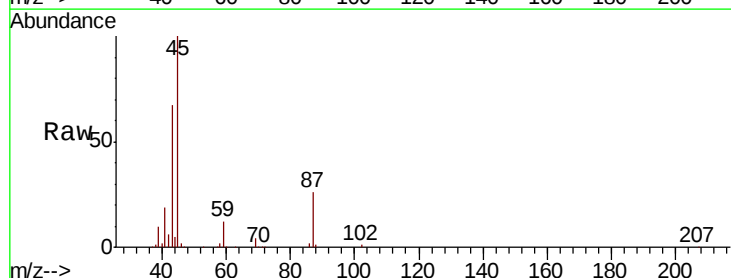
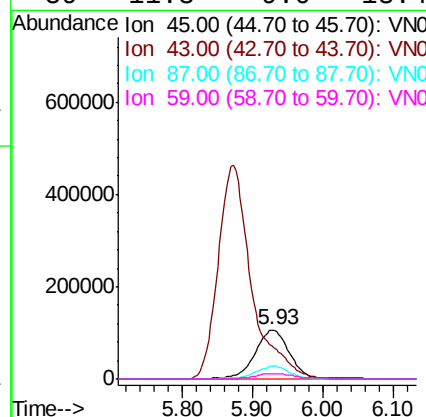
Manual Integrations  
APPROVED

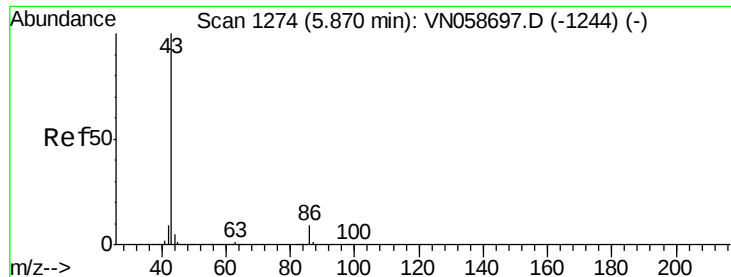
MMDadoda  
10/16/2019 12:48:51 AM



#22  
Diisopropyl ether  
Concen: 20.409 ug/l  
RT: 5.93 min Scan# 1292  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 65.4  | 50.6  | 75.8  |
| 87      | 25.9  | 21.1  | 31.7  |
| 59      | 11.3  | 9.0   | 13.4  |





#23

Vinyl Acetate

Concen: 107.269 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA\_N

ClientSampleID :

VN1013WBS01

Tot Ion: 43 Resp: 1533110

Ion Ratio Lower Upper

43 100

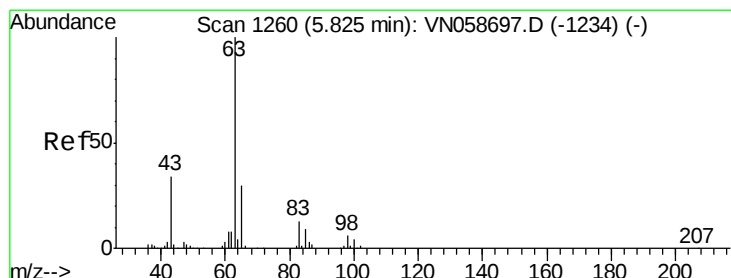
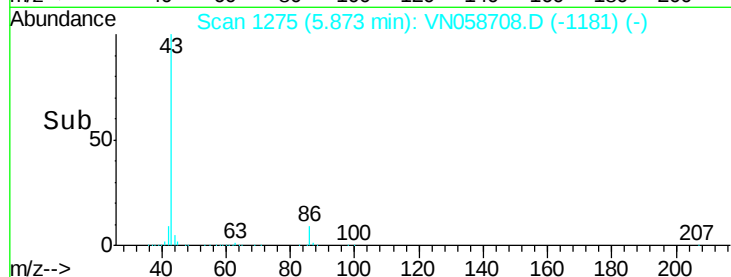
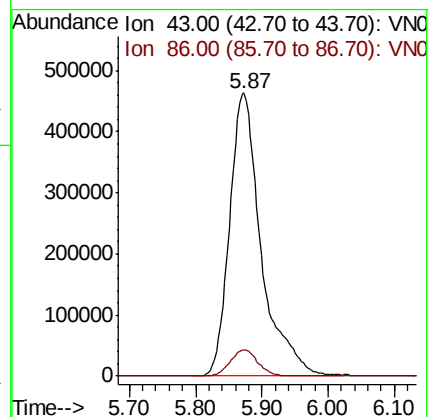
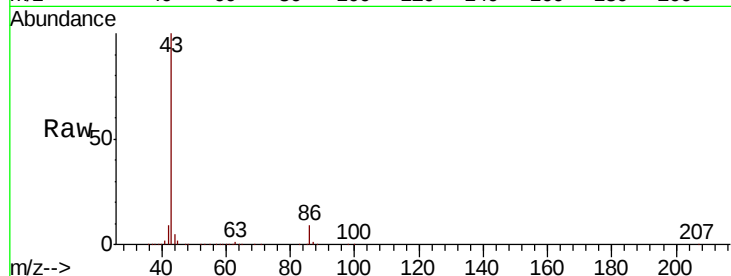
86 9.3 7.4 11.0

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#24

1,1-Dichloroethane

Concen: 20.250 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

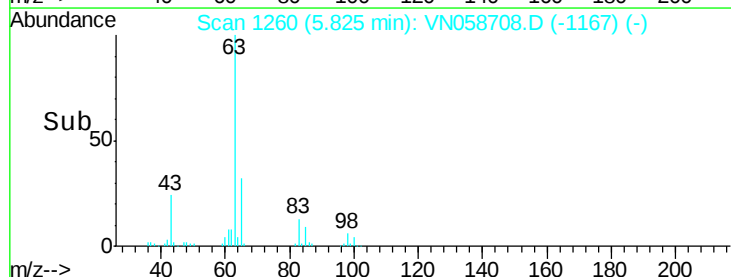
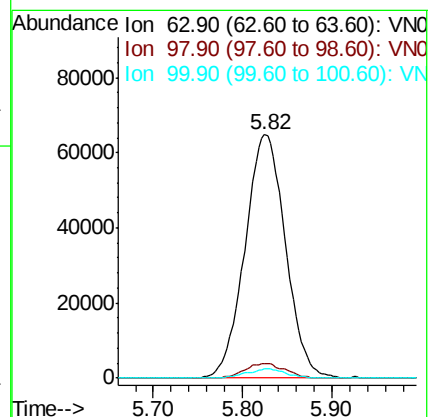
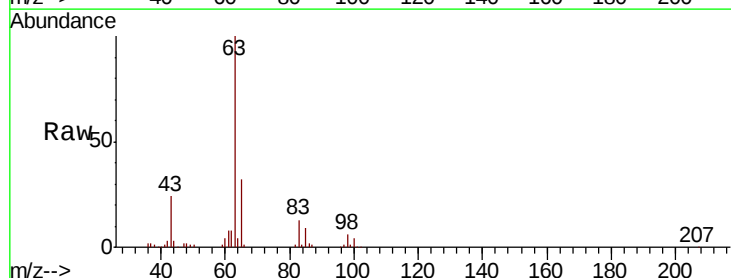
Tgt Ion: 63 Resp: 204279

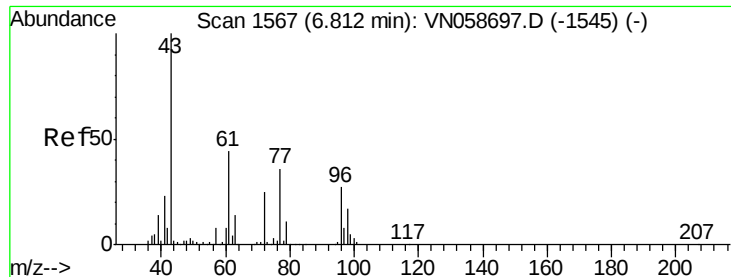
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

100 3.6 1.8 5.5





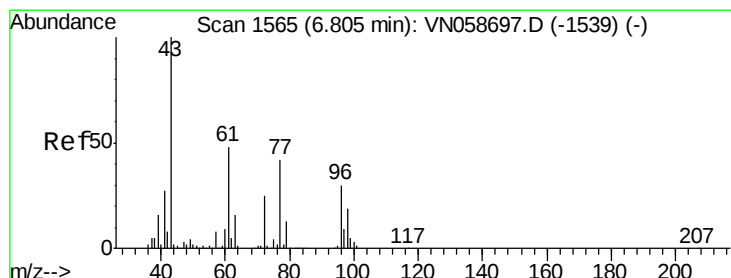
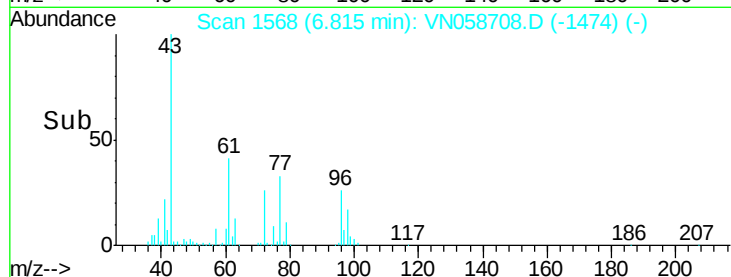
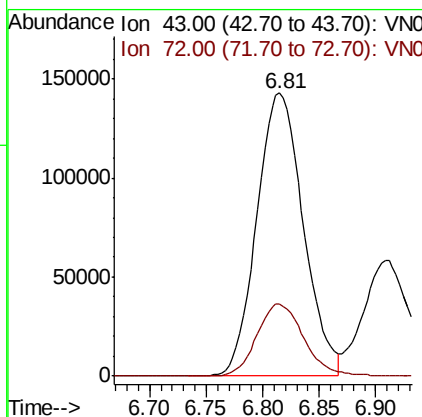
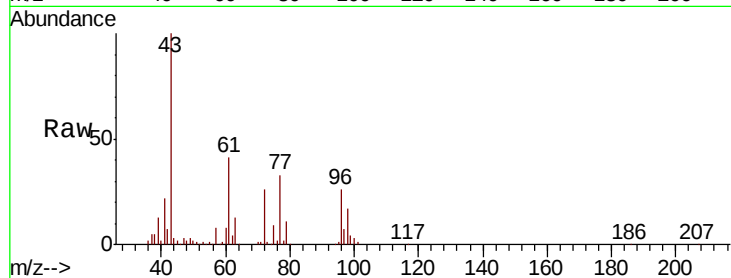
#25  
2-Butanone  
Concen: 103.145 ug/l  
RT: 6.81 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1013WBS01

Tot Ion: 43 Resp: 406157  
Ion Ratio Lower Upper  
43 100  
72 25.7 20.2 30.2

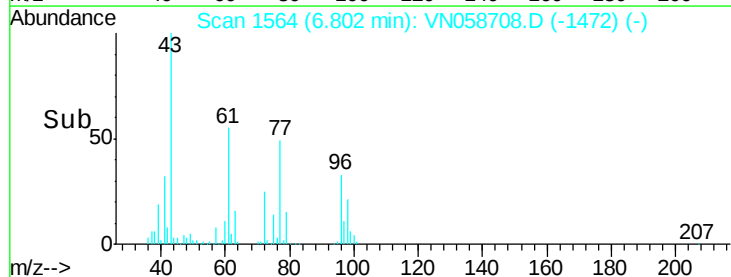
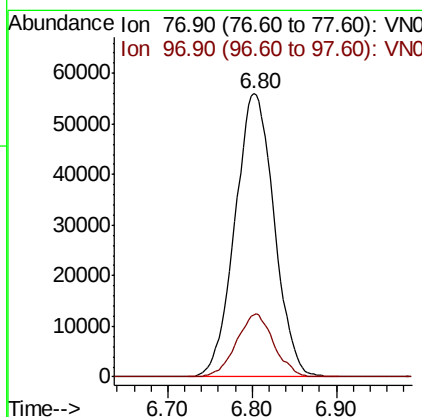
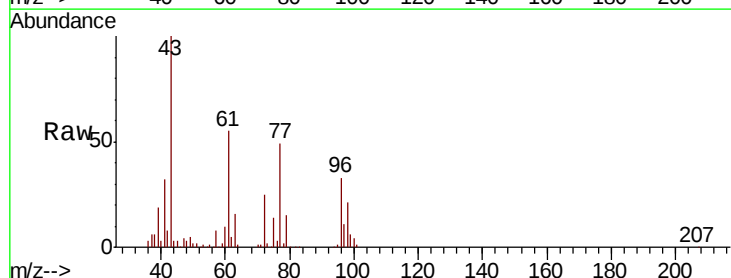
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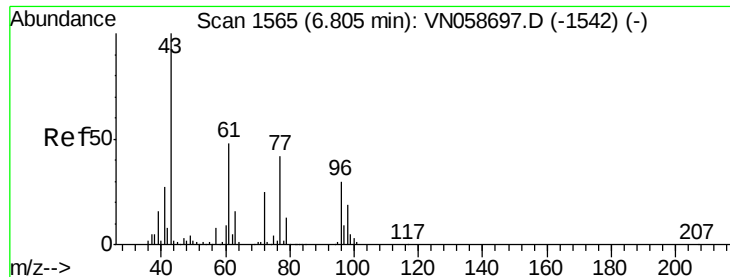
MMDadoda  
10/16/2019 12:48:51 AM



#26  
2,2-Dichloropropane  
Concen: 19.658 ug/l  
RT: 6.80 min Scan# 1564  
Delta R.T. -0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

Tgt Ion: 77 Resp: 181021  
Ion Ratio Lower Upper  
77 100  
97 21.2 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 19.591 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA\_N

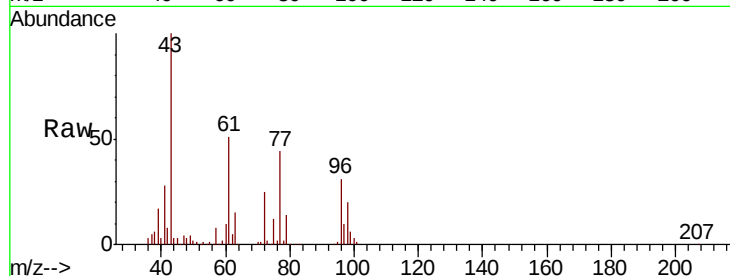
ClientSampleId :

VN1013WBS01

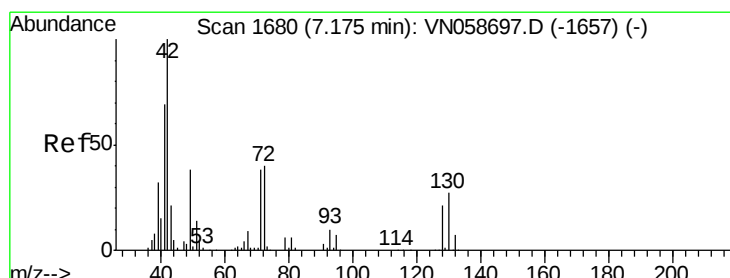
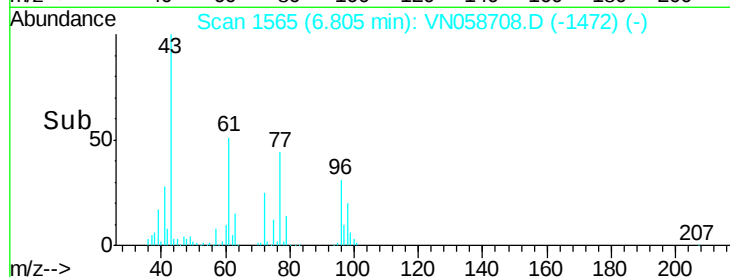
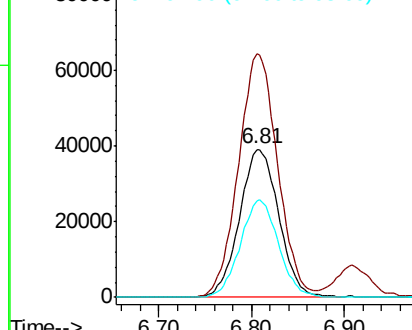
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 115355 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 163.3 | 0.0   | 324.8  |
| 98        | 64.0  | 0.0   | 129.2  |

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Abundance Ion 95.90 (95.60 to 96.60): VNO  
Ion 60.90 (60.60 to 61.60): VNO  
Ion 97.90 (97.60 to 98.60): VNO



#28

Bromochloromethane

Concen: 20.904 ug/l

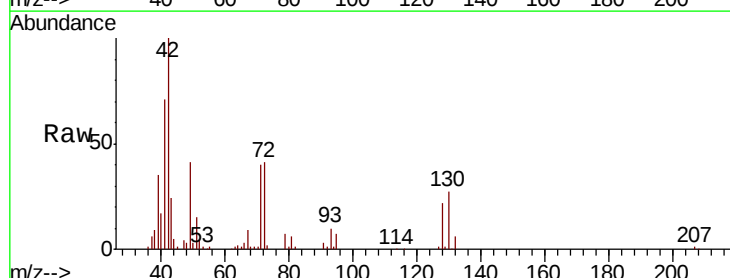
RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

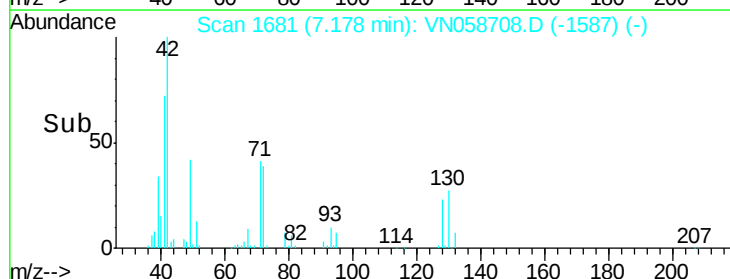
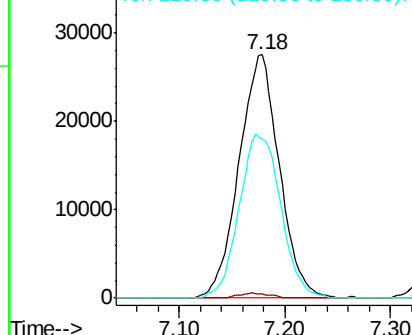
Lab File: VN058708.D

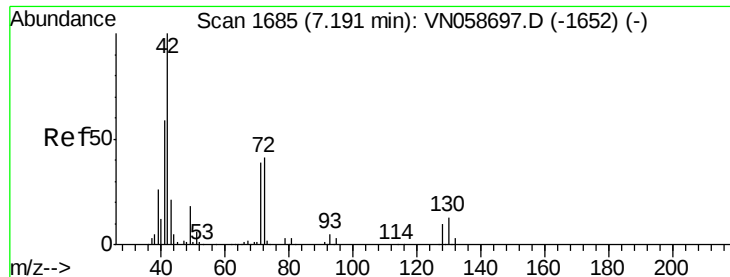
Acq: 11 Oct 2019 17:04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 49    | Resp: | 73363 |
| Ion Ratio | Lower | Upper |       |
| 49        | 100   |       |       |
| 129       | 1.6   | 0.0   | 3.6   |
| 130       | 69.3  | 55.0  | 82.4  |



Abundance Ion 48.90 (48.60 to 49.60): VNO  
Ion 128.80 (128.50 to 129.50): VNO  
Ion 129.80 (129.50 to 130.50): VNO





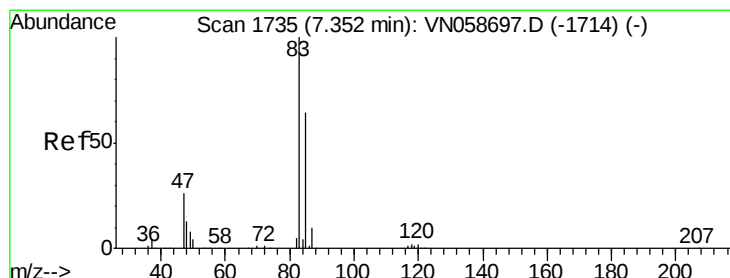
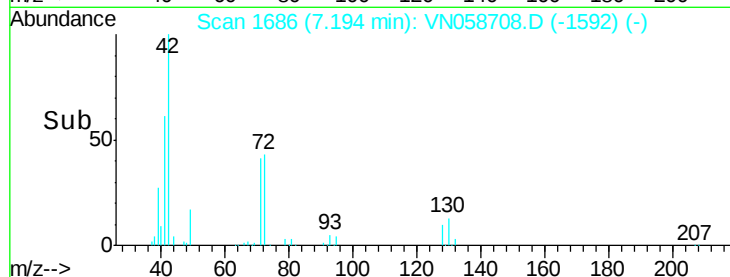
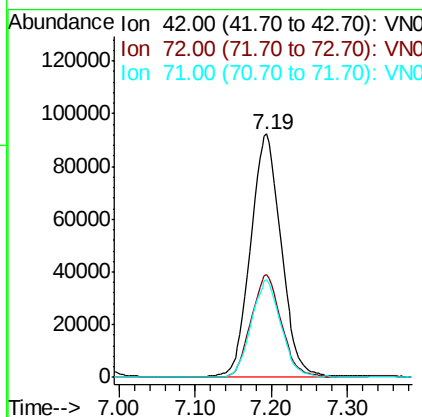
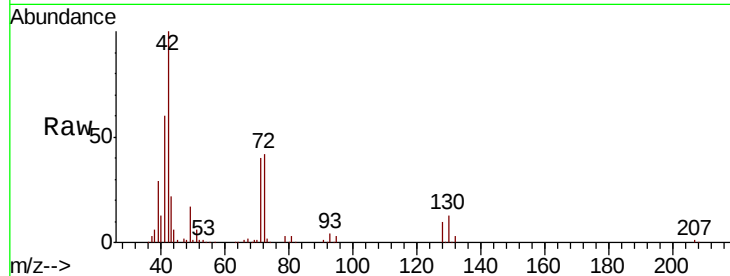
#29  
Tetrahydrofuran  
Concen: 101.998 ug/l  
RT: 7.19 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1013WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 41.5  | 32.8  | 49.2  |
| 71      | 38.6  | 31.1  | 46.7  |

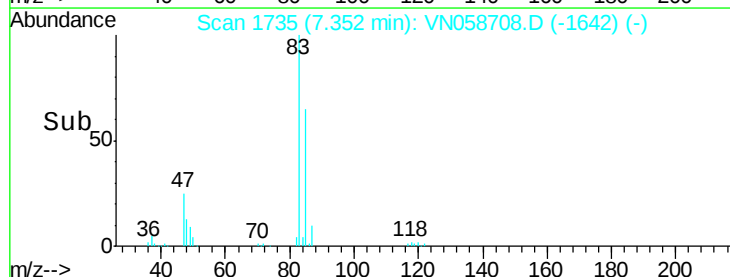
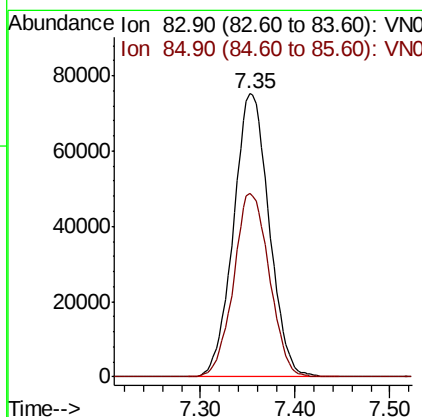
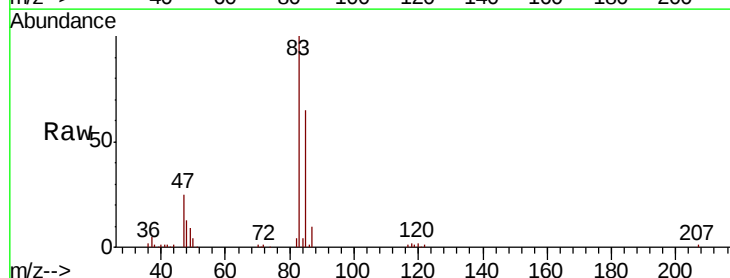
Manual Integrations  
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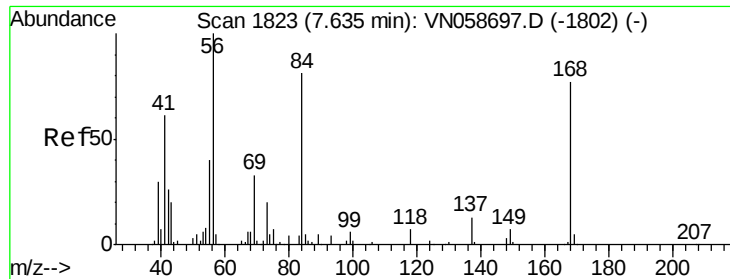
MMDadoda  
10/16/2019 12:48:51 AM



#30  
Chloroform  
Concen: 19.434 ug/l  
RT: 7.35 min Scan# 1735  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.9  | 51.0  | 76.6  |





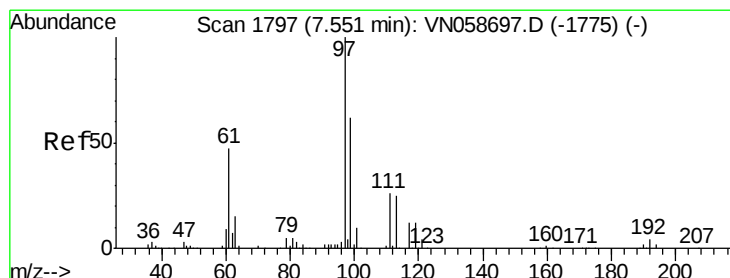
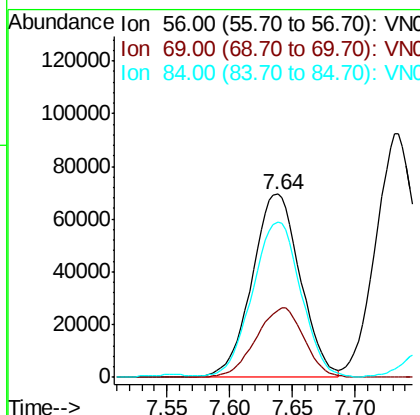
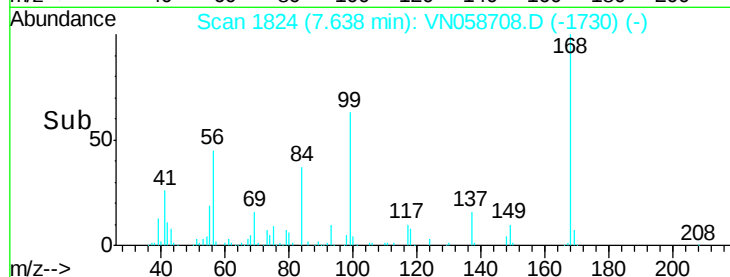
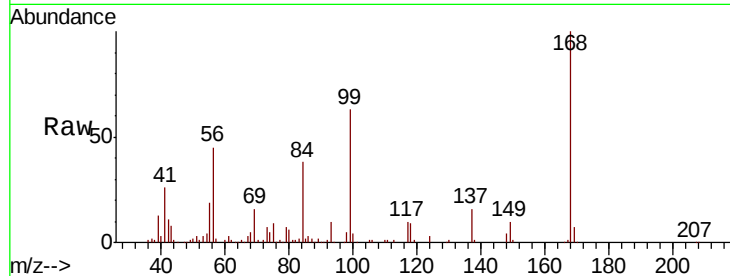
#31  
Cyclohexane  
Concen: 19.266 ug/l  
RT: 7.64 min Scan# 1824  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1013WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 36.8  | 26.2  | 39.4  |
| 84      | 83.8  | 64.9  | 97.3  |

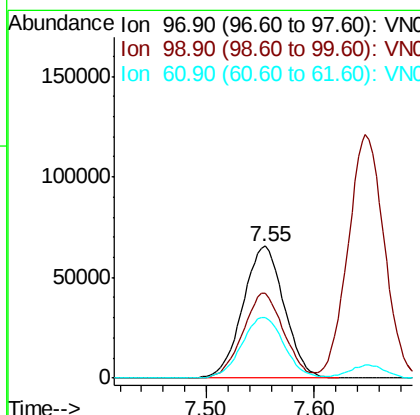
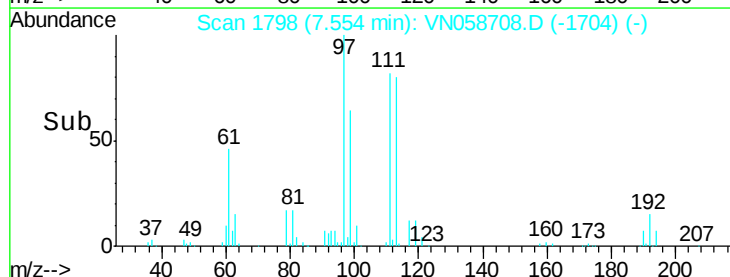
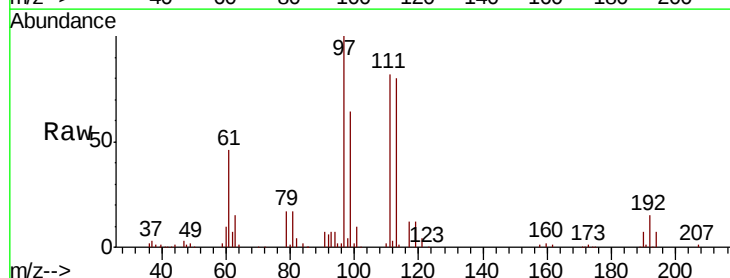
Manual Integrations  
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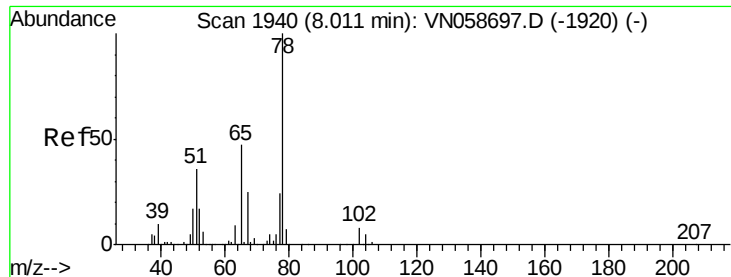
MMDadoda  
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#32  
1,1,1-Trichloroethane  
Concen: 20.221 ug/l  
RT: 7.55 min Scan# 1798  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.5  | 50.8  | 76.2  |
| 61      | 47.3  | 38.1  | 57.1  |





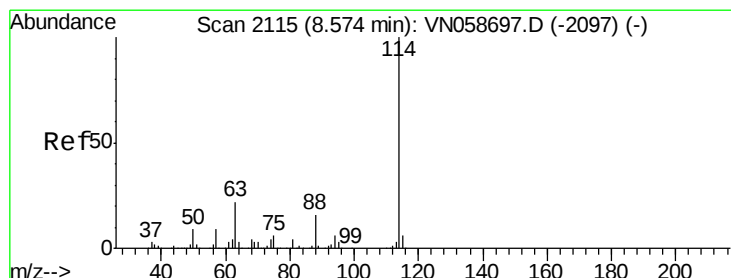
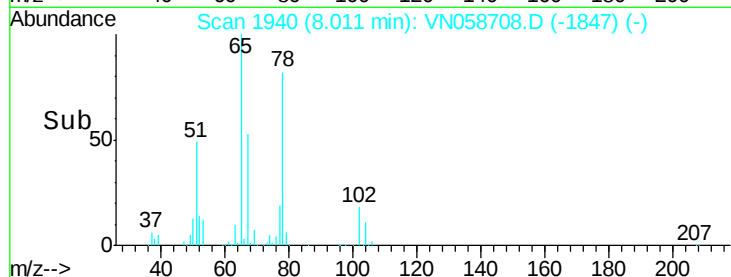
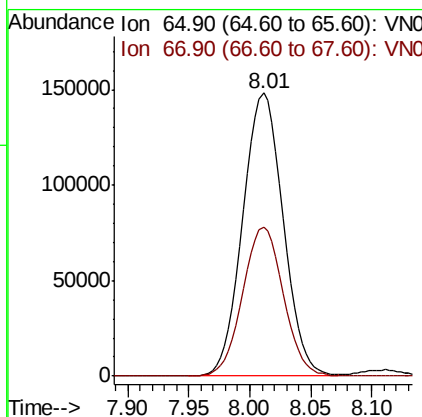
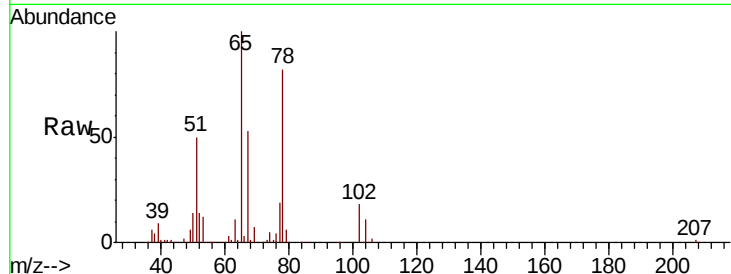
#33  
 1,2-Dichloroethane-d4  
 Concen: 51.768 ug/l  
 RT: 8.01 min Scan# 1940  
 Delta R.T. 0.00 min  
 Lab File: VN058708.D  
 Acq: 11 Oct 2019 17:04

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1013WBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 52.8  | 0.0  | 103.8 |       |

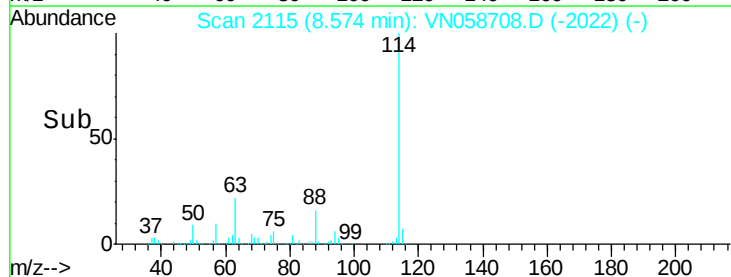
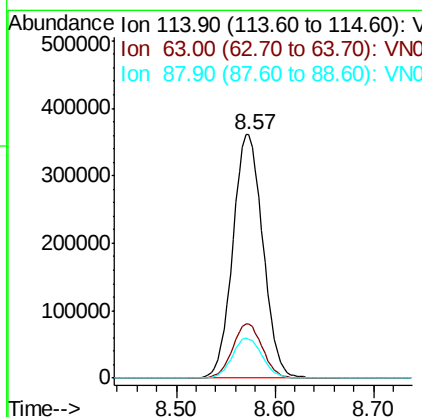
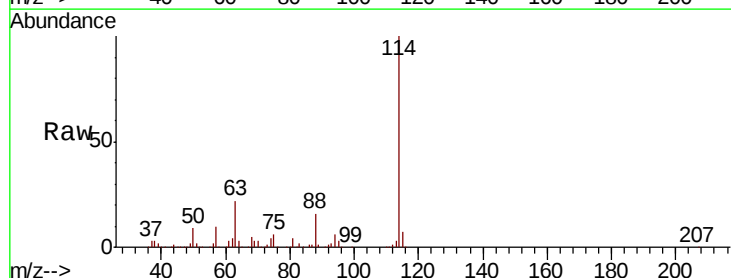
Manual Integrations  
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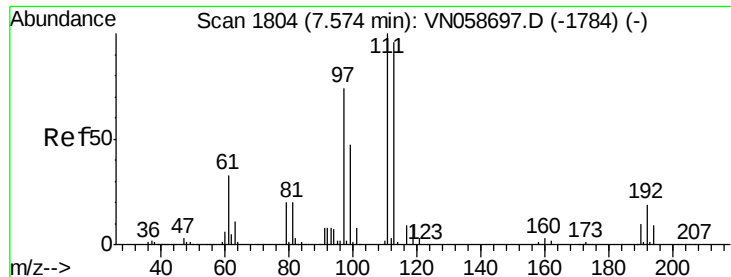
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2115  
 Delta R.T. 0.00 min  
 Lab File: VN058708.D  
 Acq: 11 Oct 2019 17:04

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 22.3  | 0.0  | 43.8  |       |
| 88      | 16.1  | 0.0  | 32.0  |       |





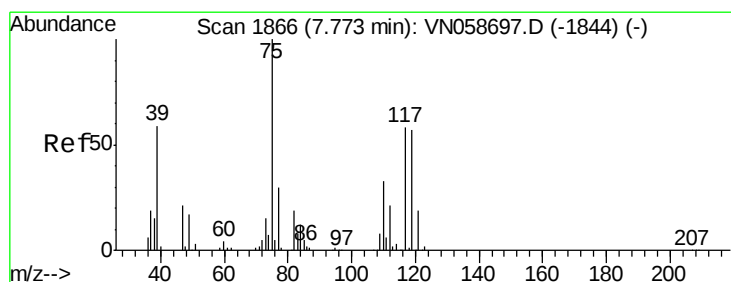
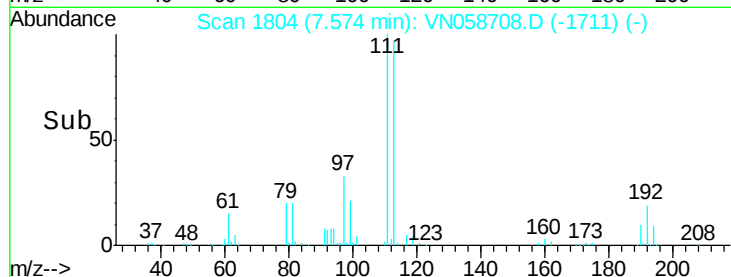
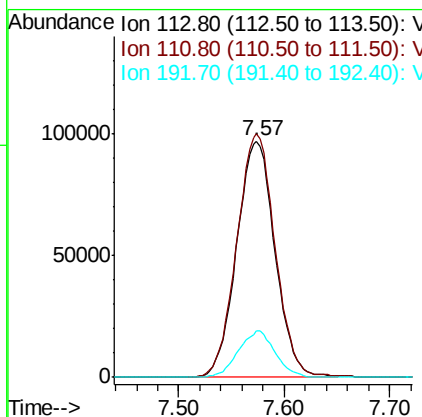
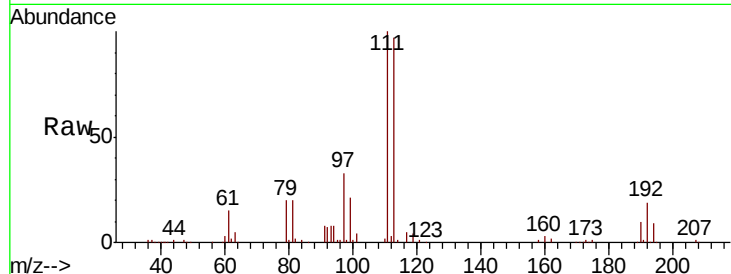
#35  
 Dibromofluoromethane  
 Concen: 51.841 ug/l  
 RT: 7.57 min Scan# 1804  
 Delta R.T. 0.00 min  
 Lab File: VN058708.D  
 Acq: 11 Oct 2019 17:04

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1013WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 244634 |       |       |
| 111     | 103.3 | 82.3   | 123.5 |       |
| 192     | 19.0  | 15.0   | 22.6  |       |

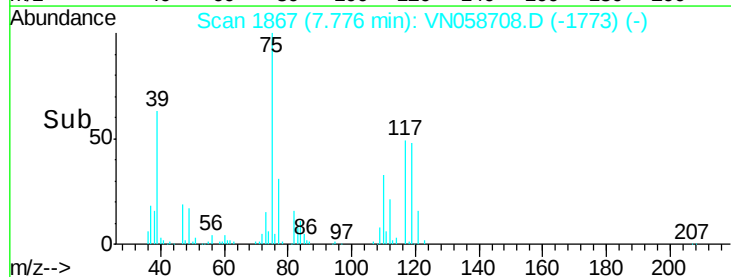
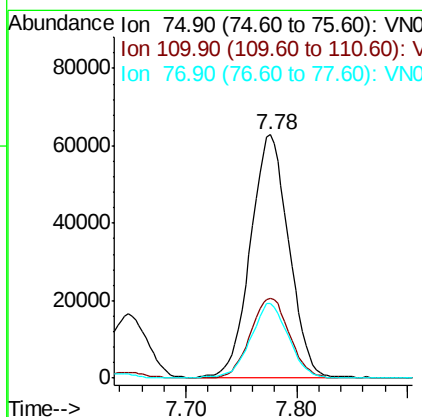
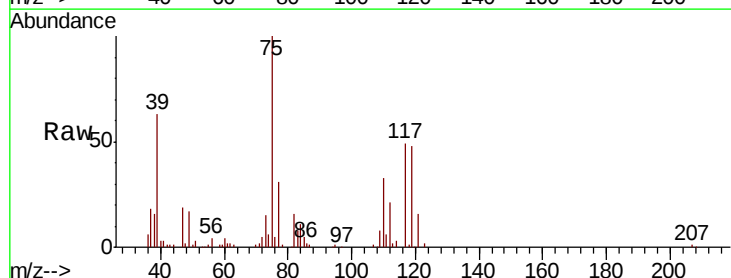
Manual Integrations  
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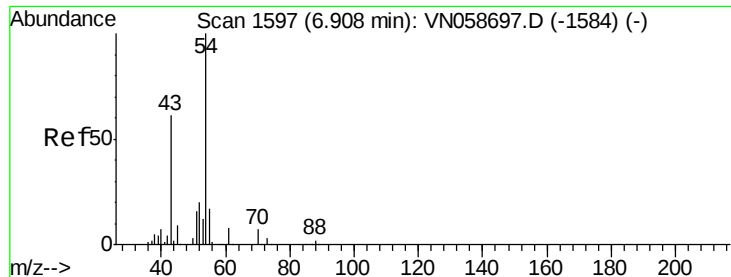
MMDadoda  
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#36  
 1,1-Dichloropropene  
 Concen: 19.448 ug/l  
 RT: 7.78 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN058708.D  
 Acq: 11 Oct 2019 17:04

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 150221 |       |       |
| 110     | 33.6  | 16.6   | 49.8  |       |
| 77      | 30.6  | 24.6   | 37.0  |       |





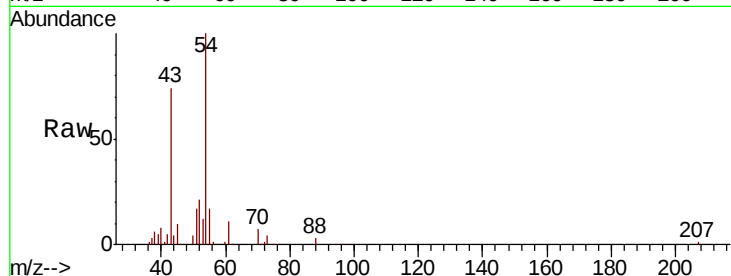
#37  
Ethyl Acetate  
Concen: 21.572 ug/l  
RT: 6.91 min Scan# 1597  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1013WBS01

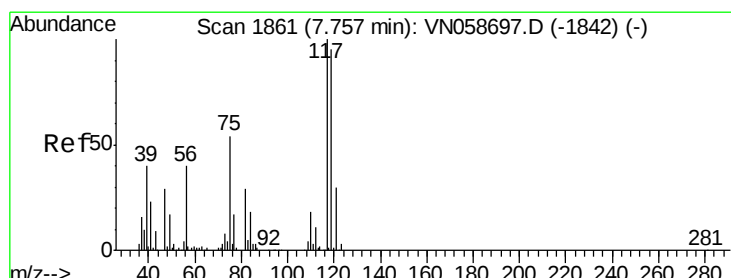
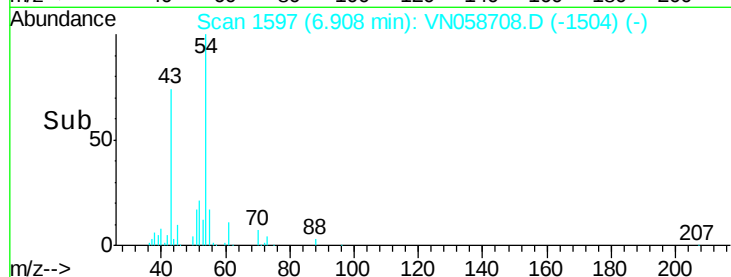
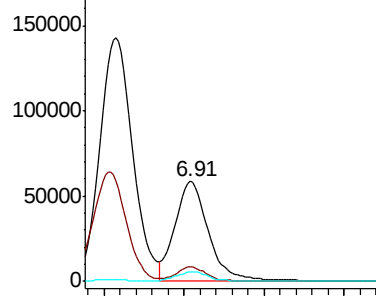
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.4  | 11.3  | 16.9  |
| 70      | 9.5   | 7.2   | 10.8  |

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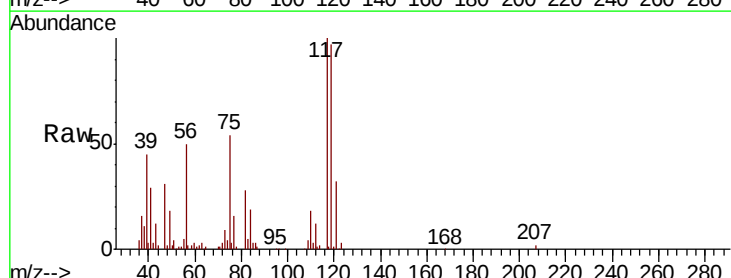


Abundance Ion 43.00 (42.70 to 43.70): VN058708.D (-1504) (-)  
Ion 60.90 (60.60 to 61.60): VN058708.D (-1504) (-)  
Ion 70.00 (69.70 to 70.70): VN058708.D (-1504) (-)

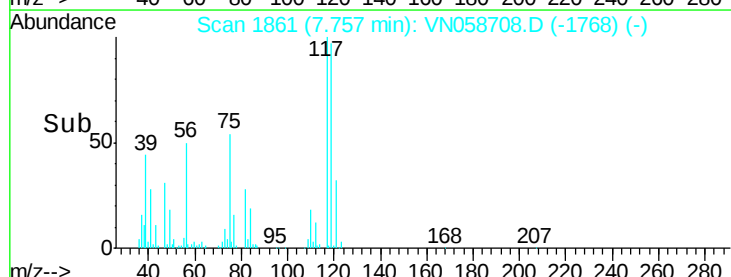
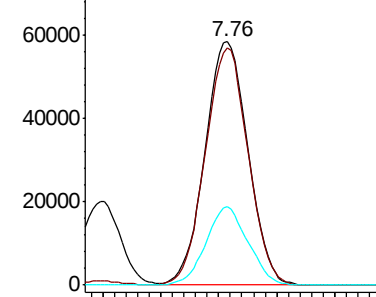


#38  
Carbon Tetrachloride  
Concen: 20.089 ug/l  
RT: 7.76 min Scan# 1861  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.2  | 75.7  | 113.5 |
| 121     | 32.0  | 23.9  | 35.9  |



Abundance Ion 116.80 (116.50 to 117.50): VN058708.D (-1768) (-)  
Ion 118.80 (118.50 to 119.50): VN058708.D (-1768) (-)  
Ion 120.80 (120.50 to 121.50): VN058708.D (-1768) (-)





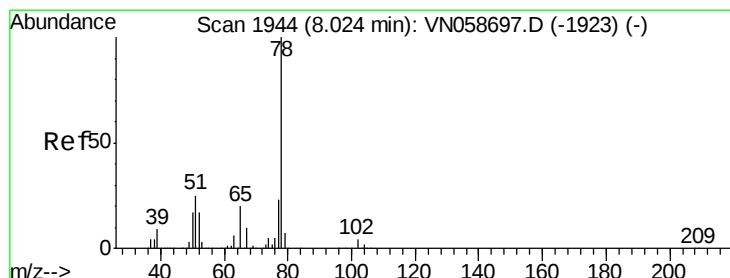
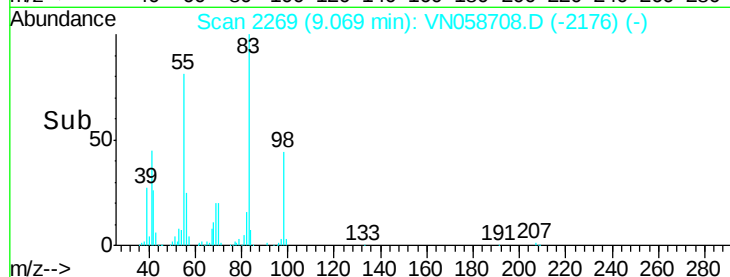
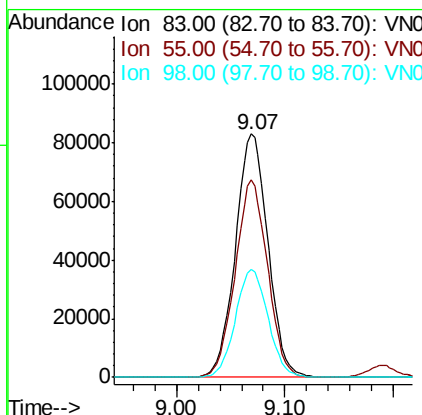
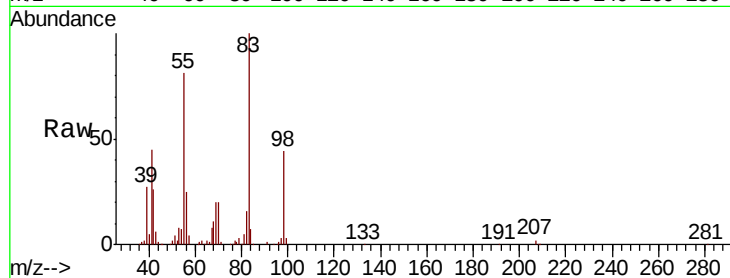
#39  
Methvlcvclohexane  
Concen: 19.461 ug/l  
RT: 9.07 min Scan# 2269  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1013WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 81.3  | 63.4  | 95.0  |
| 98      | 44.2  | 35.1  | 52.7  |

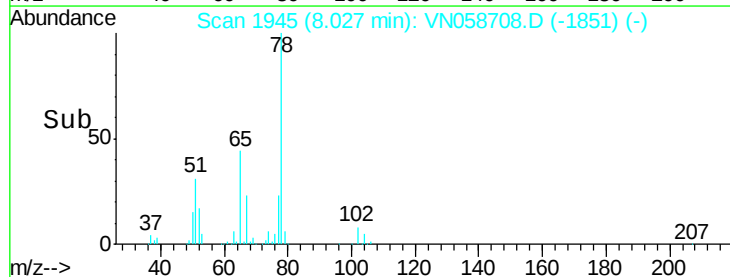
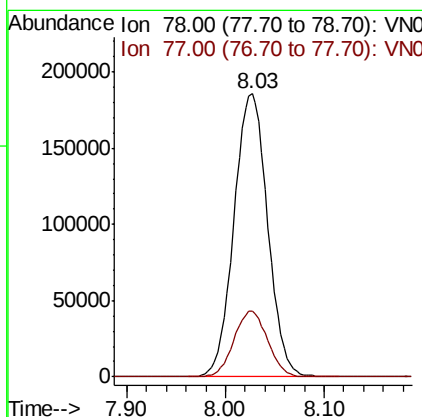
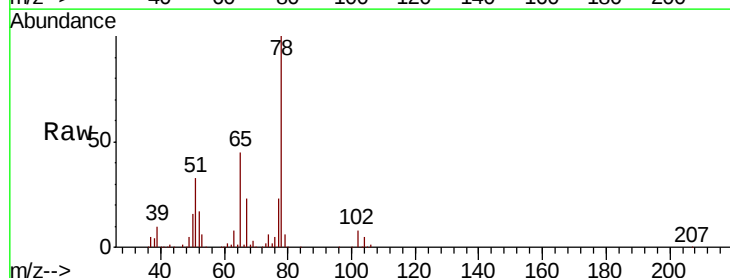
Manual Integrations  
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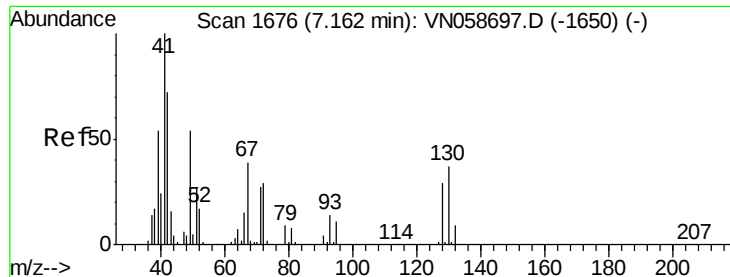
MMDadoda  
10/16/2019 12:48:51 AM



#40  
Benzene  
Concen: 19.832 ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.4  | 18.8  | 28.2  |





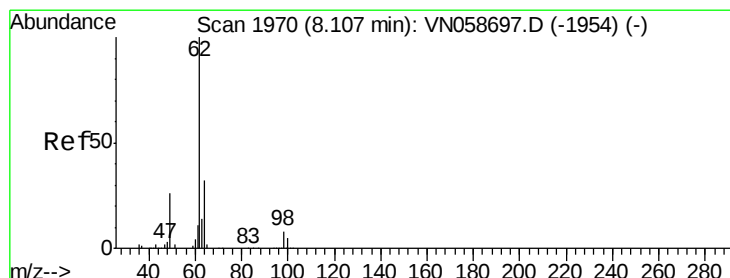
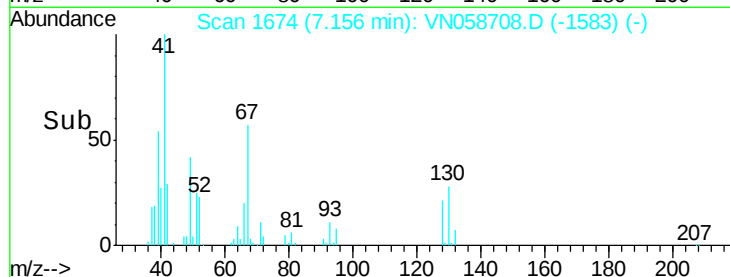
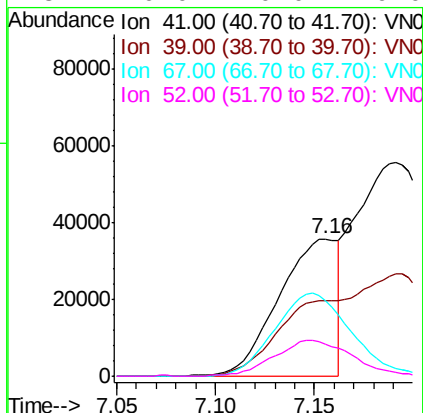
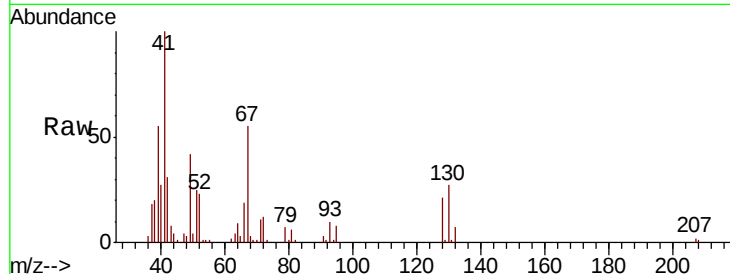
#41  
Methacrylonitrile  
Concen: 20.574 ug/l m  
RT: 7.16 min Scan# 1674  
Delta R.T. -0.01 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1013WBS01

| Tot Ion   | 41    | Resp  | 75236  |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 39        | 0.0   | 115.4 | 173.2# |
| 67        | 0.0   | 0.0   | 0.0    |
| 52        | 0.0   | 0.0   | 0.0    |

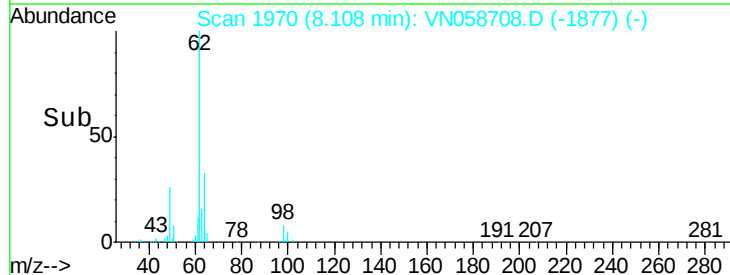
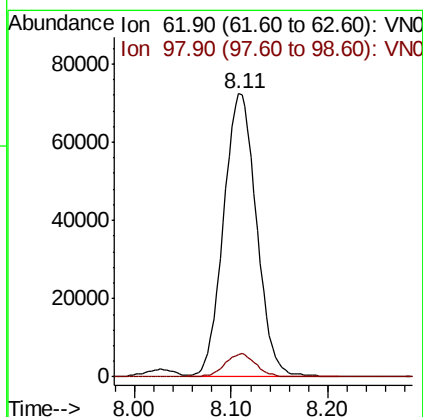
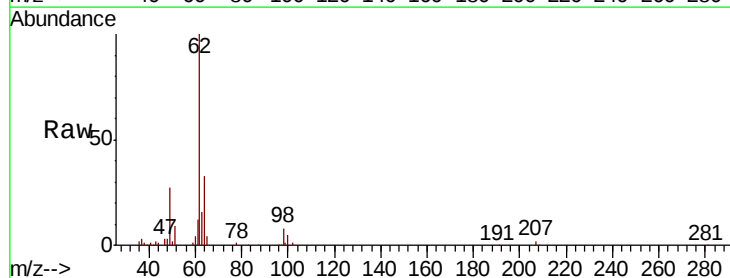
Manual Integrations  
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10/16/2019 12:48:51 AM



#42  
1,2-Dichloroethane  
Concen: 20.132 ug/l  
RT: 8.11 min Scan# 1970  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

| Tgt Ion   | 62    | Resp  | 171578 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 62        | 100   |       |        |
| 98        | 7.6   | 0.0   | 15.8   |





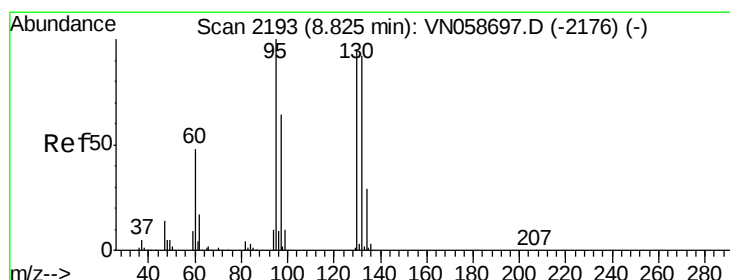
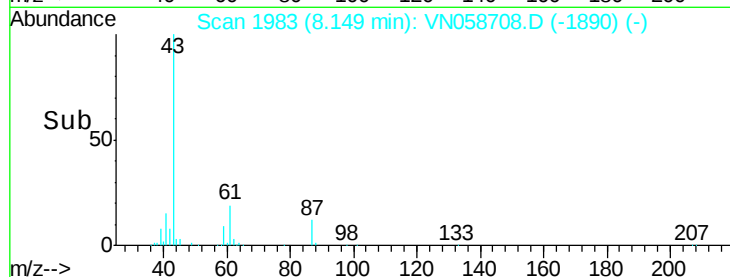
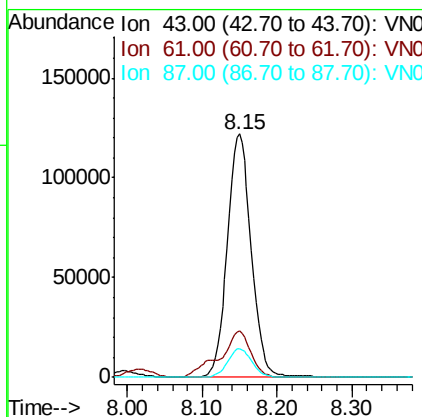
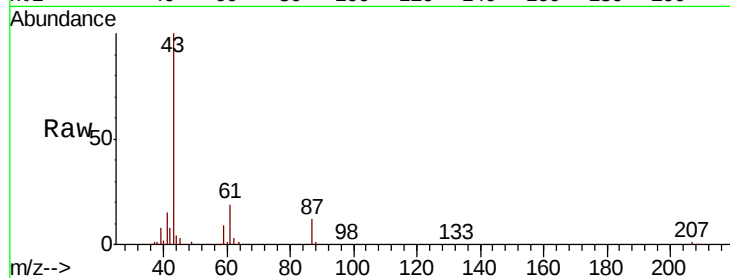
#43  
Isopropyl Acetate  
Concen: 20.100 ug/l  
RT: 8.15 min Scan# 1983  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1013WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 18.1  | 20.3  | 30.5# |
| 87      | 12.0  | 9.8   | 14.6  |

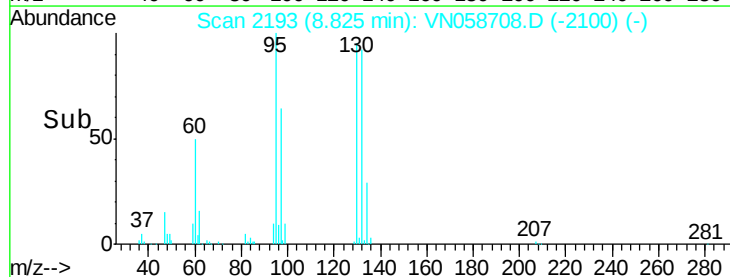
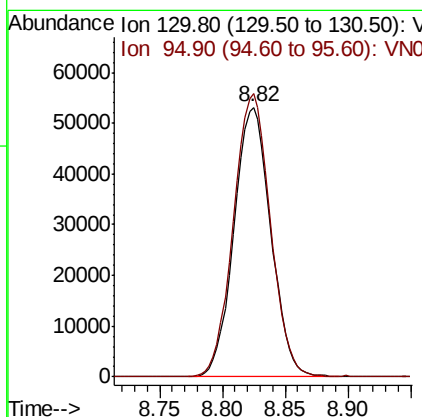
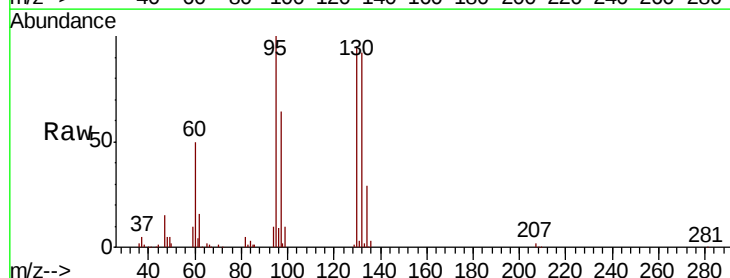
Manual Integrations  
APPROVED

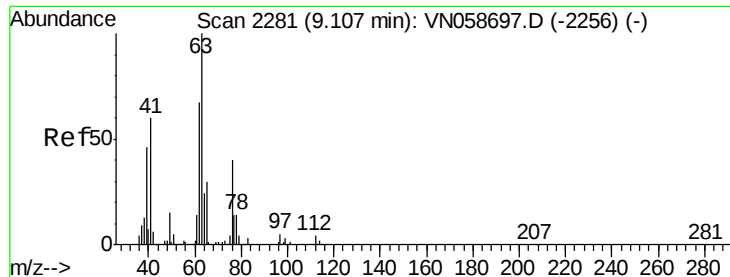
MMDadoda  
10/16/2019 12:48:51 AM



#44  
Trichloroethene  
Concen: 19.731 ug/l  
RT: 8.82 min Scan# 2193  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 104.9 | 0.0   | 211.2 |





#45

1,2-Dichloropropane

Concen: 19.986 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA\_N

ClientSampleId :

VN1013WBS01

Tot Ion: 63 Resp: 118690

Ion Ratio Lower Upper

63 100

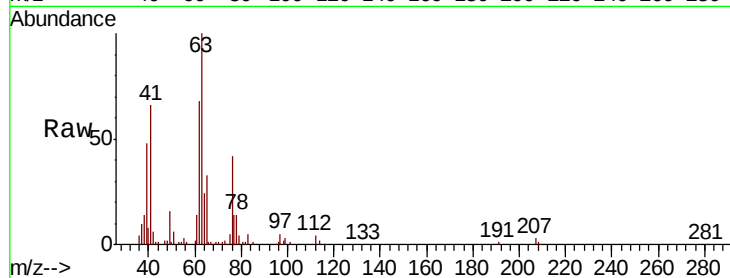
65 33.1 24.1 36.1

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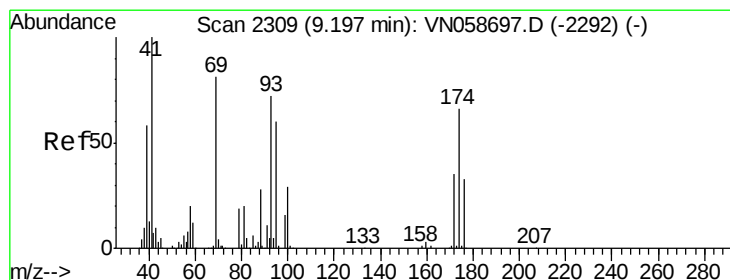
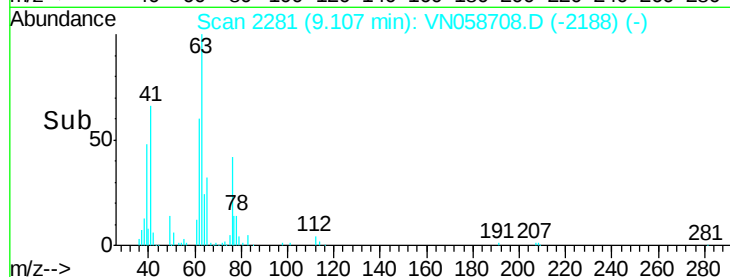
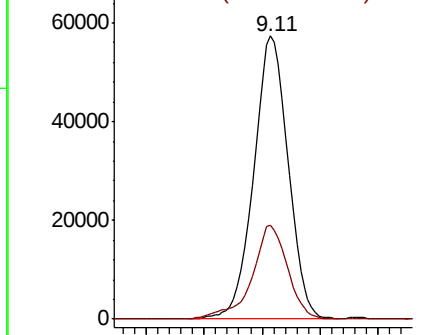
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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 20.331 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

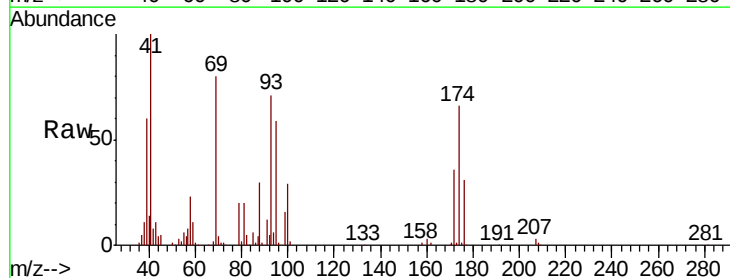
Tgt Ion: 93 Resp: 76550

Ion Ratio Lower Upper

93 100

95 83.2 66.6 100.0

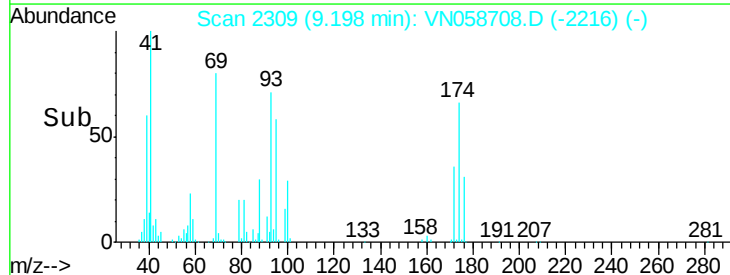
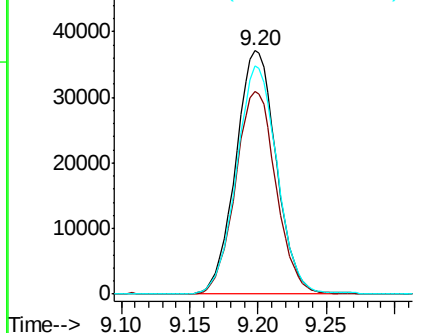
174 93.9 75.2 112.8

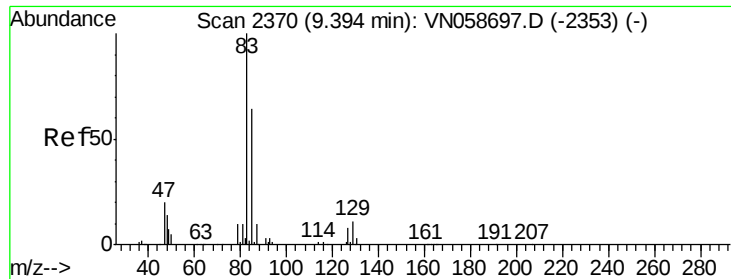


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





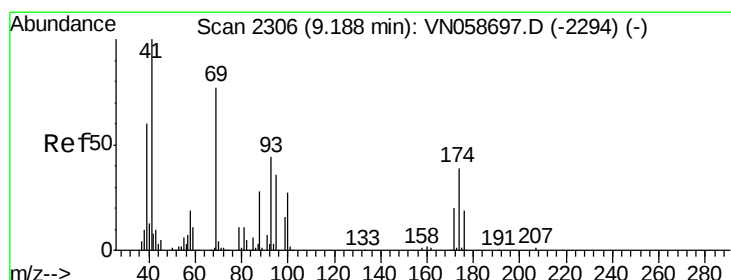
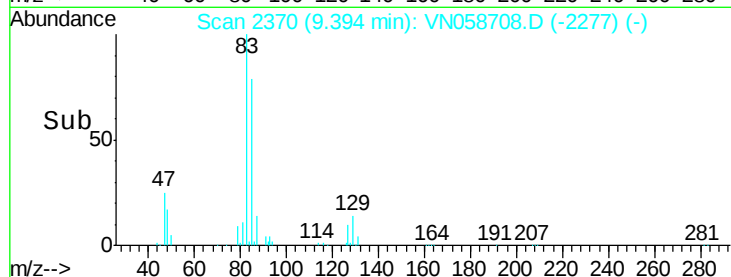
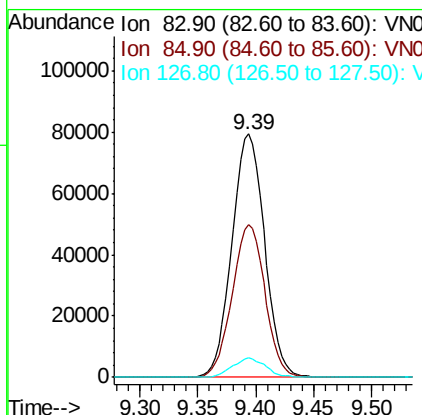
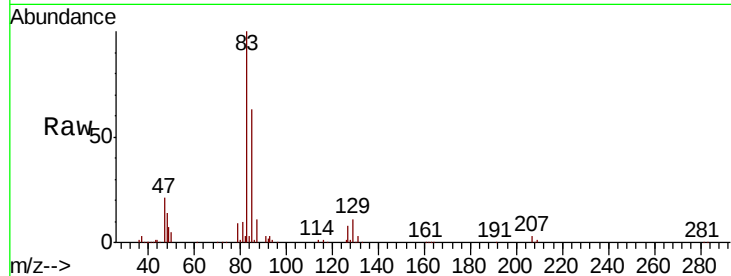
#47  
Bromodichloromethane  
Concen: 20.218 ug/l  
RT: 9.39 min Scan# 2370  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1013WBS01

| Tot Ion   | 83    | Resp  | 155018 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 62.7  | 50.9  | 76.3   |
| 127       | 8.1   | 6.3   | 9.5    |

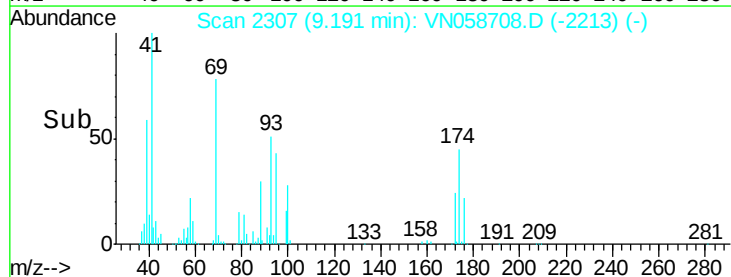
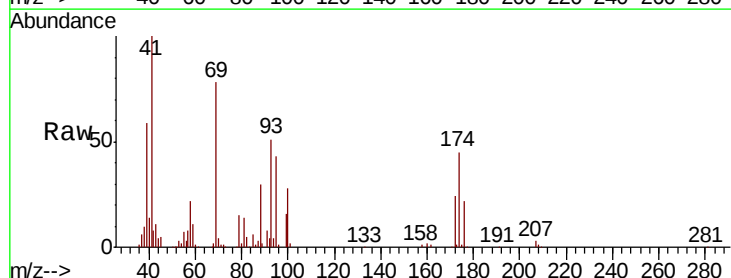
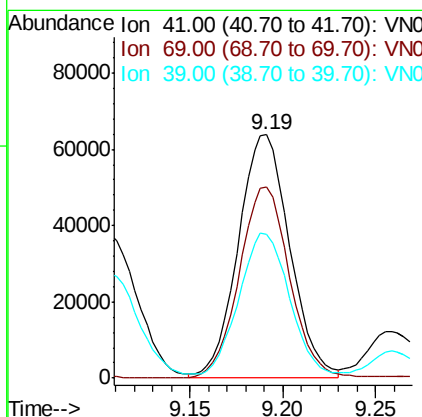
Manual Integrations  
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#48  
Methyl methacrylate  
Concen: 20.375 ug/l  
RT: 9.19 min Scan# 2307  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

| Tgt Ion   | 41    | Resp  | 122909 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 77.5  | 63.4  | 95.2   |
| 39        | 59.3  | 48.9  | 73.3   |





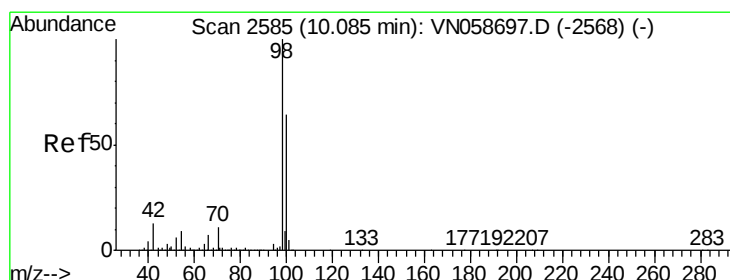
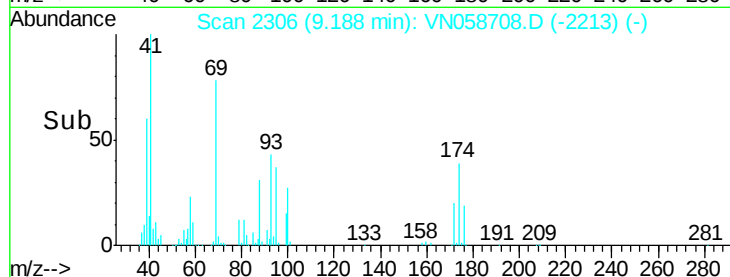
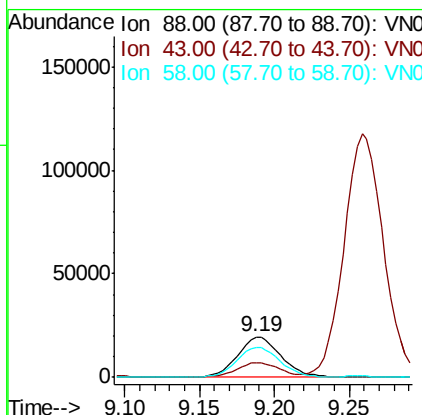
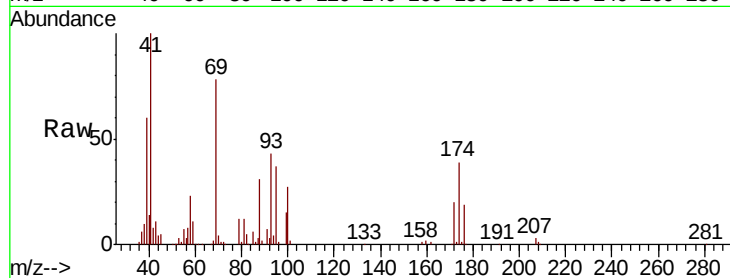
#49  
1,4-Dioxane  
Concen: 421.279 ug/l  
RT: 9.19 min Scan# 2306  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1013WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 37.0  | 28.6  | 43.0  |
| 58      | 74.9  | 57.2  | 85.8  |

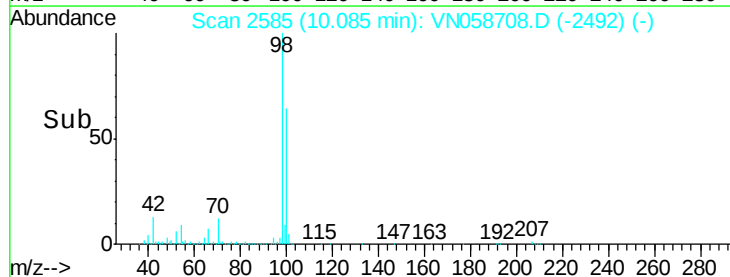
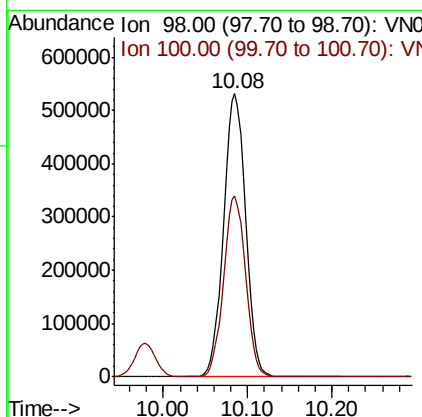
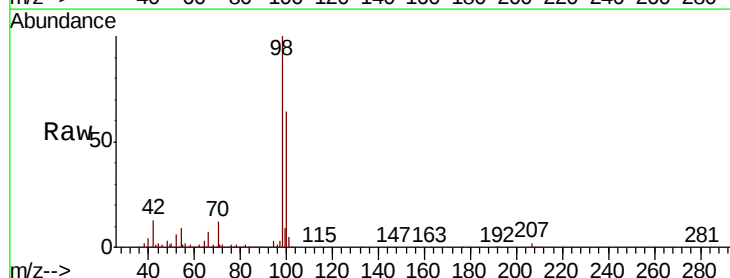
Manual Integrations  
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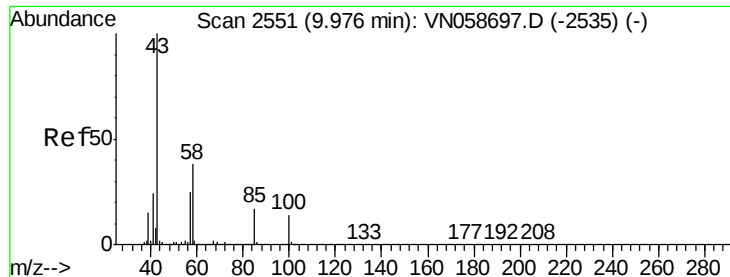
MMDadoda  
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#50  
Toluene-d8  
Concen: 51.118 ug/l  
RT: 10.08 min Scan# 2585  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.8  | 51.1  | 76.7  |





#51

4-Methyl-2-Pentanone

Concen: 109.392 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA\_N

ClientSampleId :

VN1013WBS01

Tot Ion: 43 Resp: 817577

Ion Ratio Lower Upper

43 100

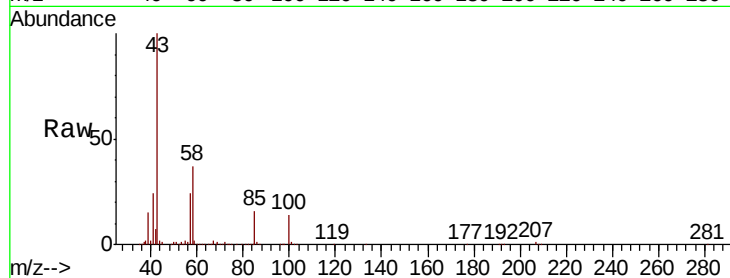
58 37.2 30.3 45.5

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Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN058697.D (-2535) (-)

9.98

400000

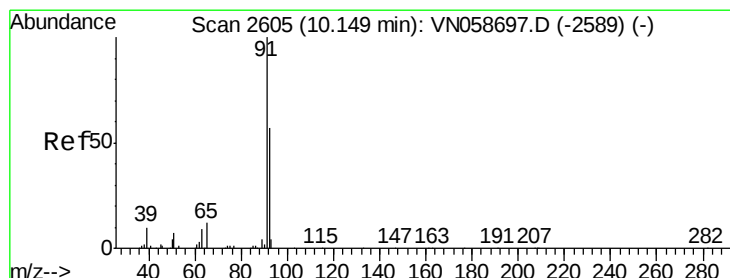
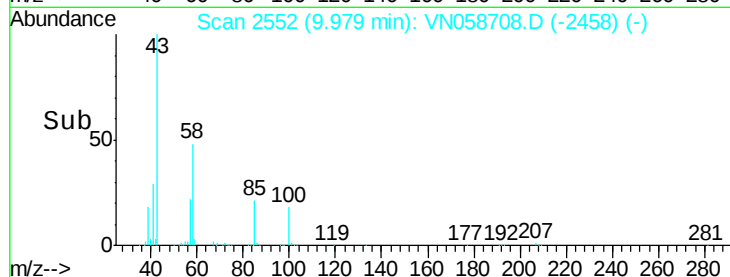
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.066 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058708.D

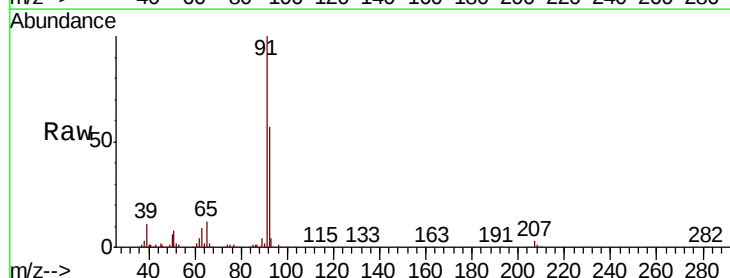
Acq: 11 Oct 2019 17:04

Tgt Ion: 92 Resp: 272259

Ion Ratio Lower Upper

92 100

91 173.6 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN058697.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN058697.D (-2589) (-)

10.15

300000

250000

200000

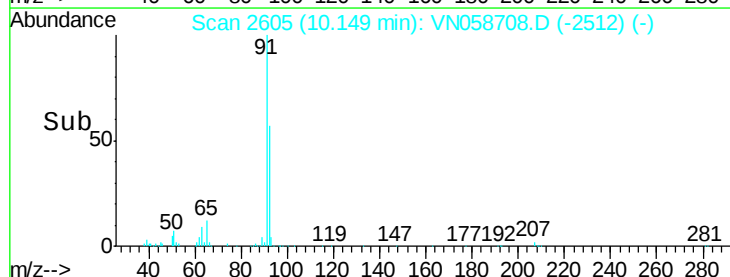
150000

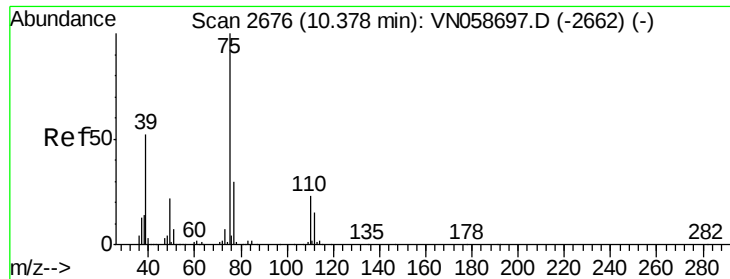
100000

50000

0

Time-->





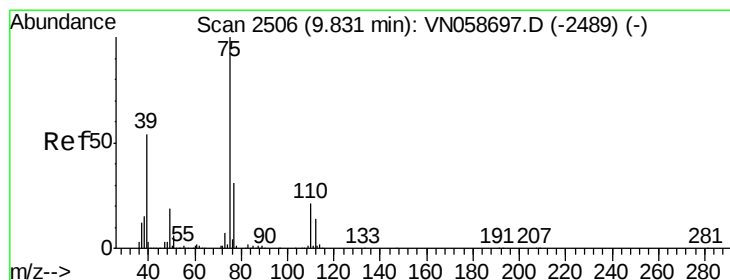
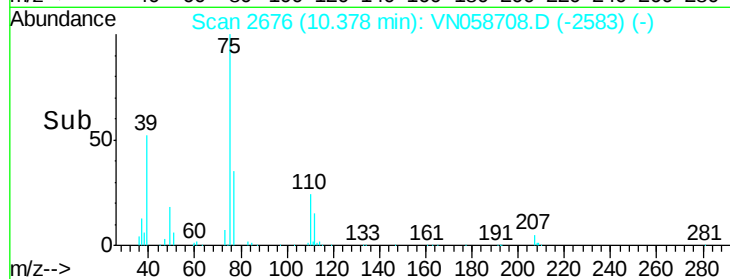
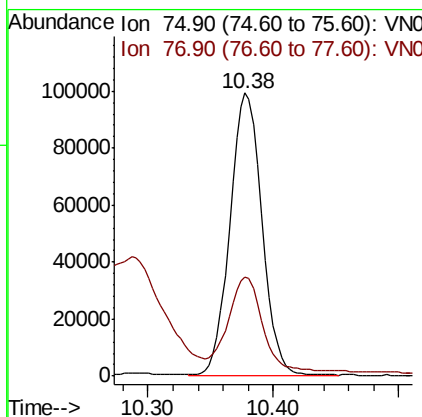
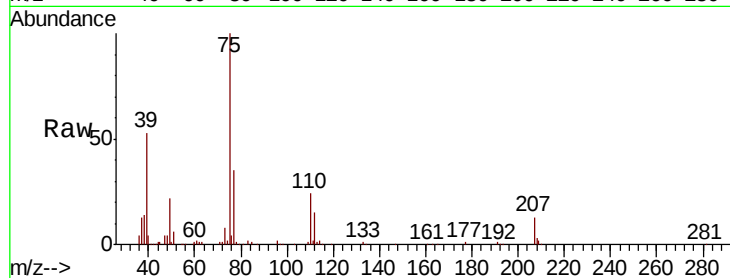
#53  
t-1,3-Dichloropropene  
Concen: 19.879 ug/l  
RT: 10.38 min Scan# 2676  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1013WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 33.1  | 26.2  | 39.4  |

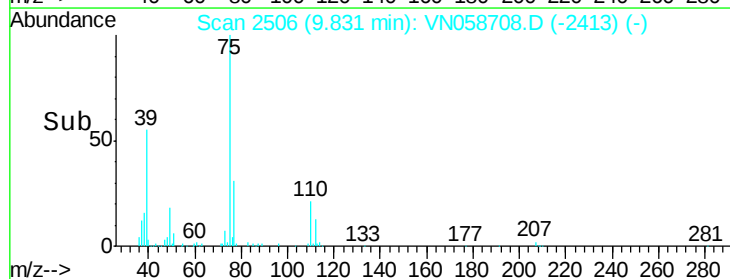
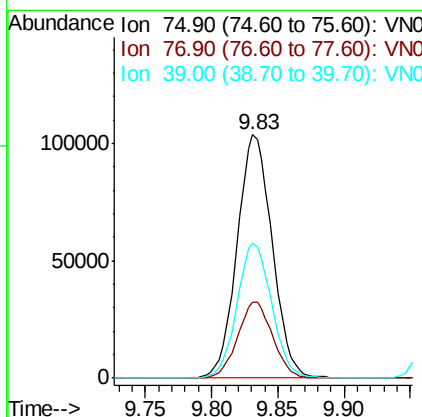
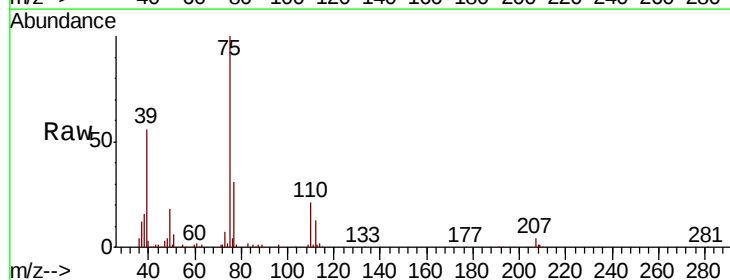
Manual Integrations  
APPROVED

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10/16/2019 12:48:51 AM



#54  
cis-1,3-Dichloropropene  
Concen: 20.407 ug/l  
RT: 9.83 min Scan# 2506  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.2  | 24.4  | 36.6  |
| 39      | 55.3  | 43.1  | 64.7  |





#55

1,1,2-Trichloroethane

Concen: 19.310 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA\_N

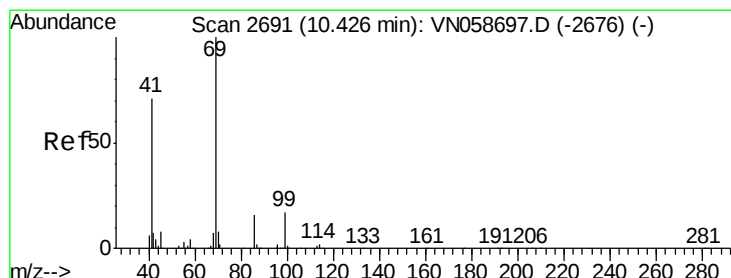
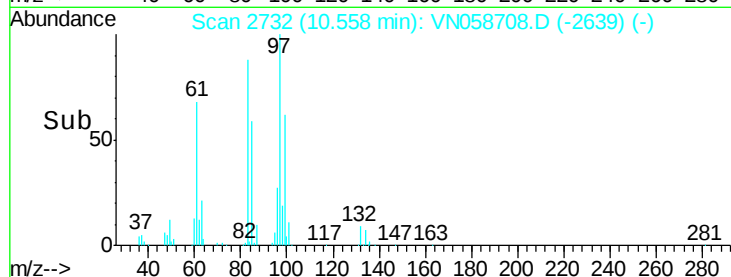
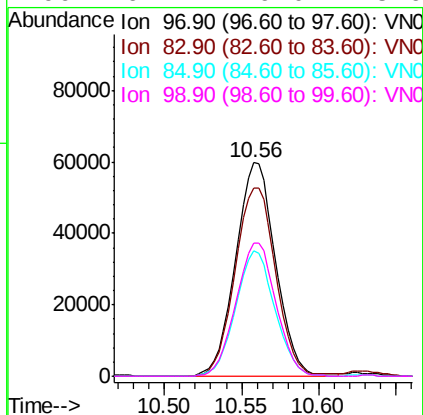
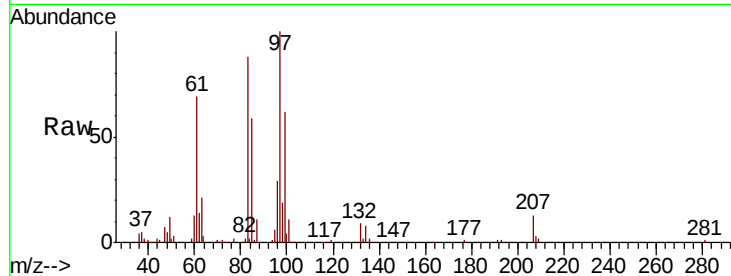
ClientSampleId :

VN1013WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 107235 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 88.0  | 71.2  | 106.8  |
| 85       | 58.5  | 46.7  | 70.1   |
| 99       | 62.2  | 49.0  | 73.6   |

Manual Integrations  
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#56

Ethyl methacrylate

Concen: 20.447 ug/l

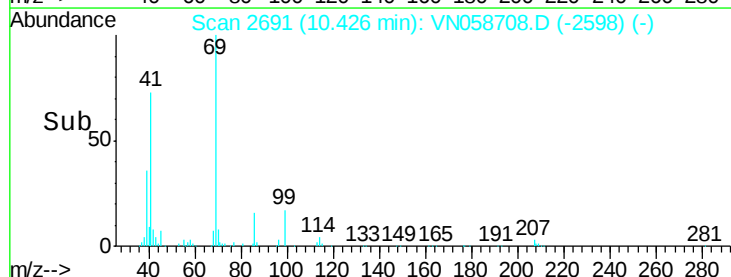
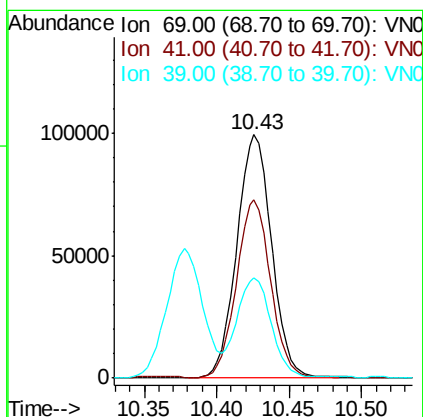
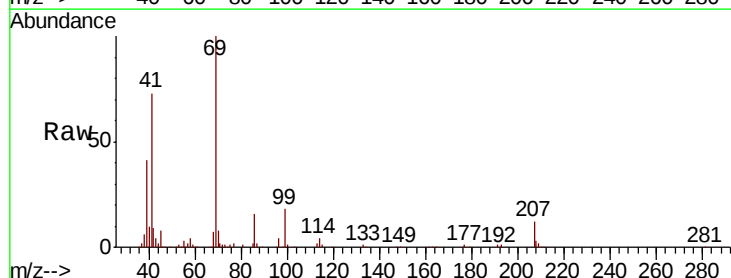
RT: 10.43 min Scan# 2691

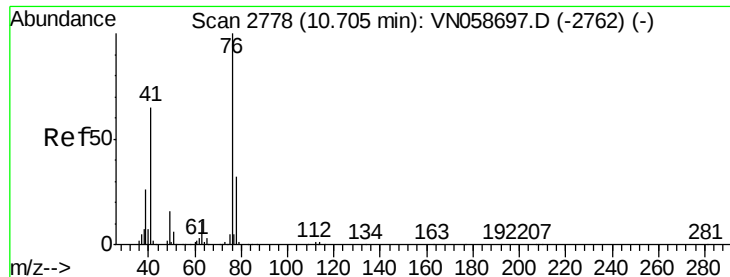
Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 165890 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 71.2  | 56.8  | 85.2   |
| 39       | 39.9  | 32.5  | 48.7   |





#57

1,3-Dichloropropane

Concen: 20.336 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA\_N

ClientSampleId :

VN1013WBS01

Tot Ion: 76 Resp: 192447

Ion Ratio Lower Upper

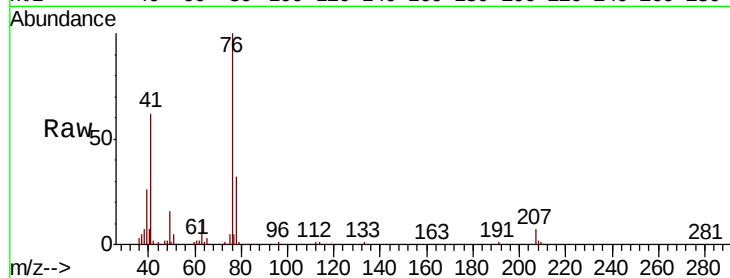
76 100

78 32.3 25.9 38.9

Manual Integrations  
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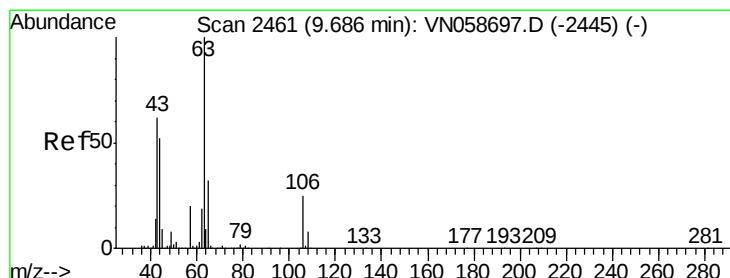
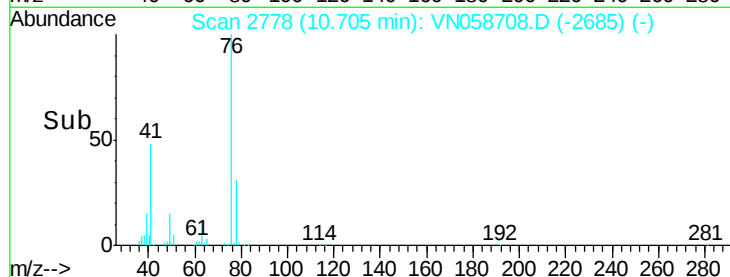
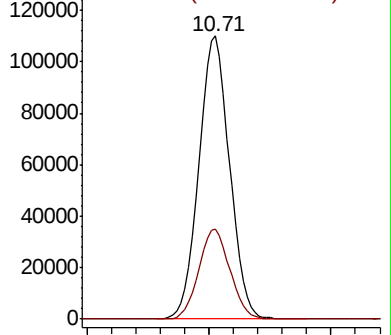
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 108.874 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058708.D

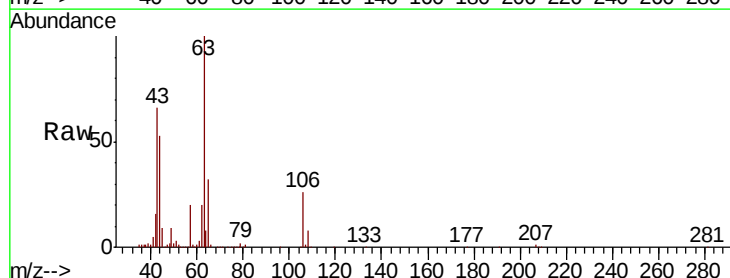
Acq: 11 Oct 2019 17:04

Tgt Ion: 63 Resp: 425685

Ion Ratio Lower Upper

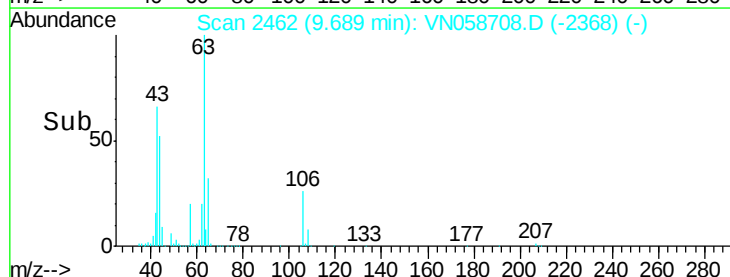
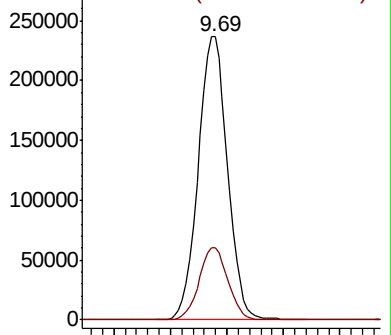
63 100

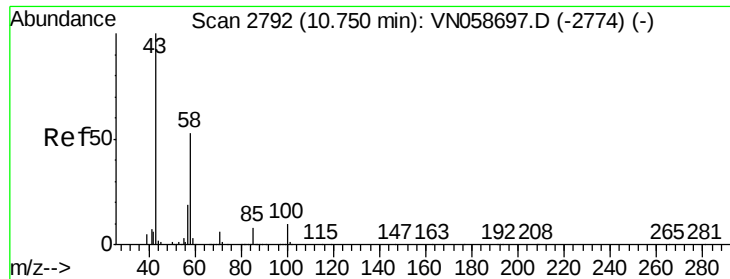
106 25.2 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





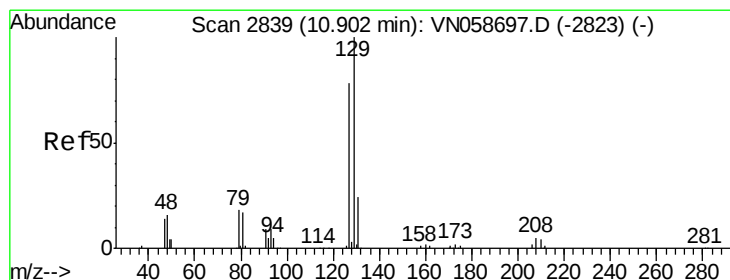
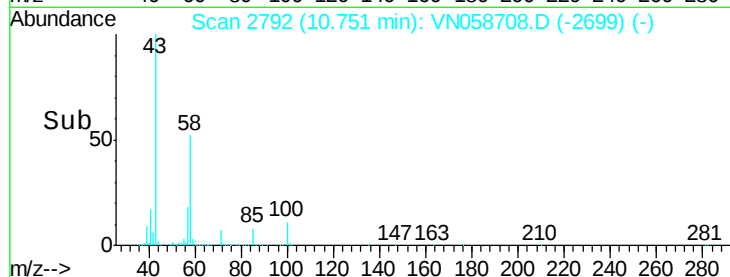
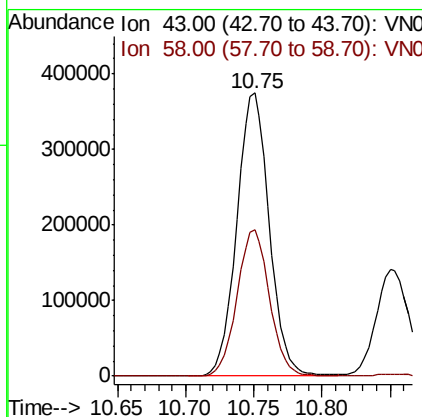
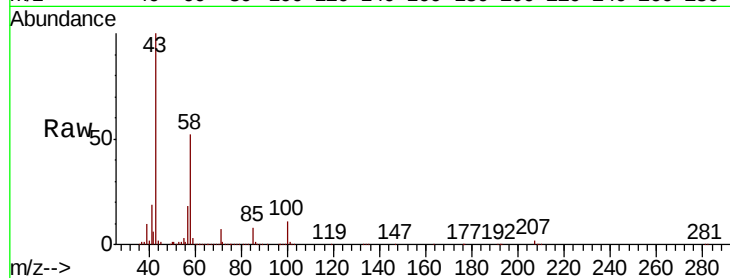
#59  
2-Hexanone  
Concen: 107.015 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1013WBS01

Tot Ion: 43 Resp: 618099  
Ion Ratio Lower Upper  
43 100  
58 52.0 26.1 78.3

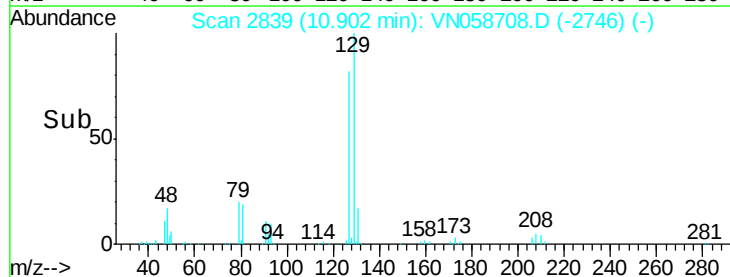
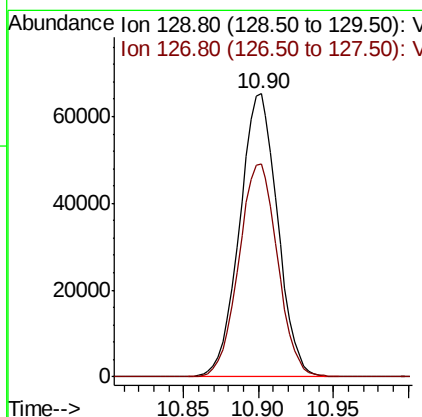
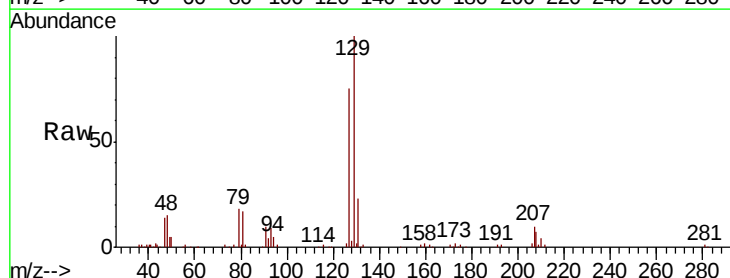
Manual Integrations  
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#60  
Dibromochloromethane  
Concen: 20.129 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

Tgt Ion: 129 Resp: 115316  
Ion Ratio Lower Upper  
129 100  
127 76.6 38.5 115.3





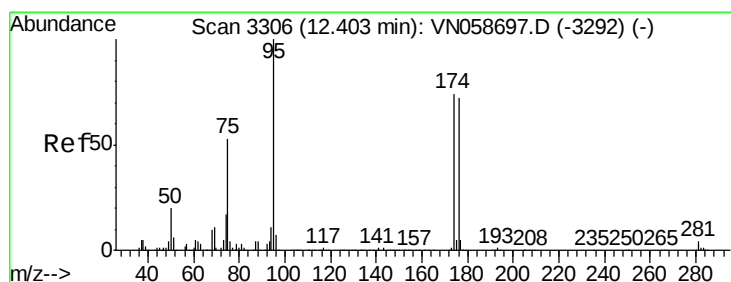
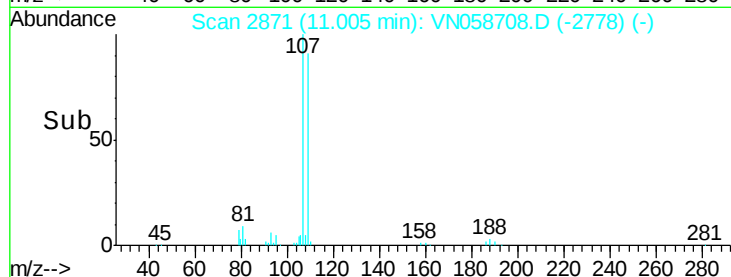
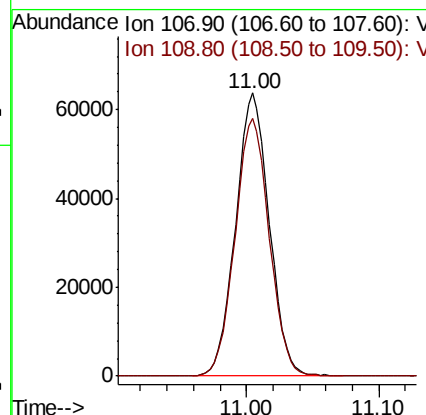
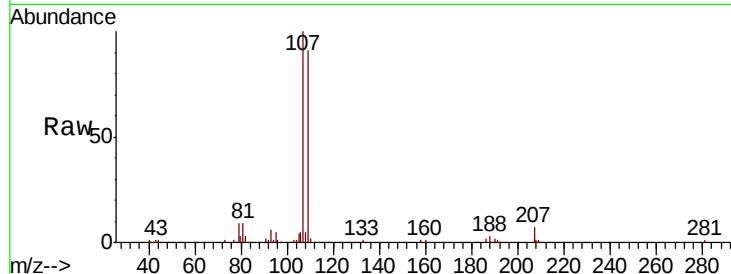
#61  
 1,2-Dibromoethane  
 Concen: 20.146 ug/l  
 RT: 11.00 min Scan# 2871  
 Delta R.T. 0.00 min  
 Lab File: VN058708.D  
 Acq: 11 Oct 2019 17:04

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1013WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 92.5  | 75.4  | 113.0 |

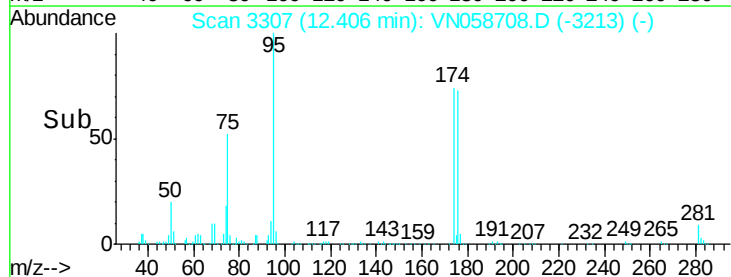
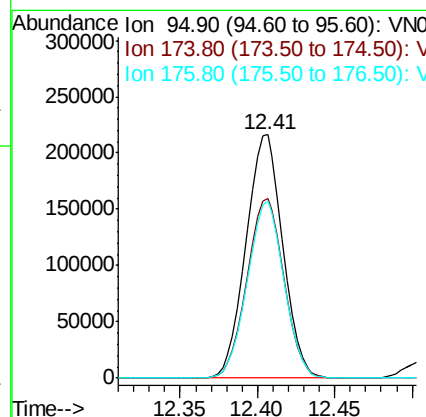
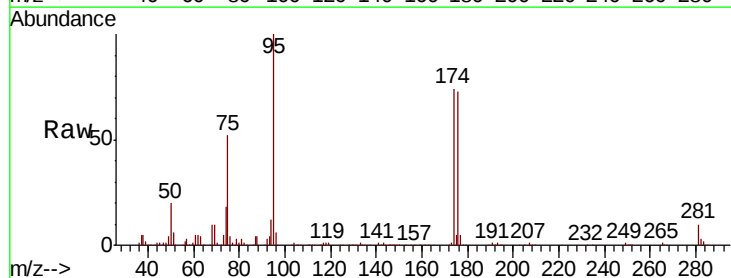
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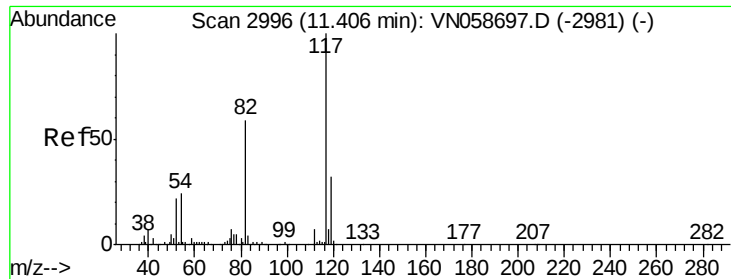
MMDadoda  
 10/16/2019 12:48:51 AM



#62  
 4-Bromofluorobenzene  
 Concen: 50.024 ug/l  
 RT: 12.41 min Scan# 3307  
 Delta R.T. 0.00 min  
 Lab File: VN058708.D  
 Acq: 11 Oct 2019 17:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 74.6  | 0.0   | 150.4 |
| 176     | 72.7  | 0.0   | 146.8 |





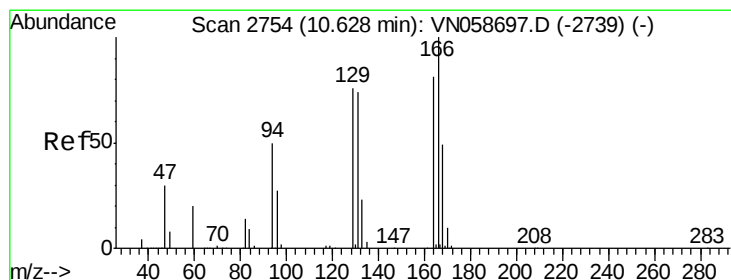
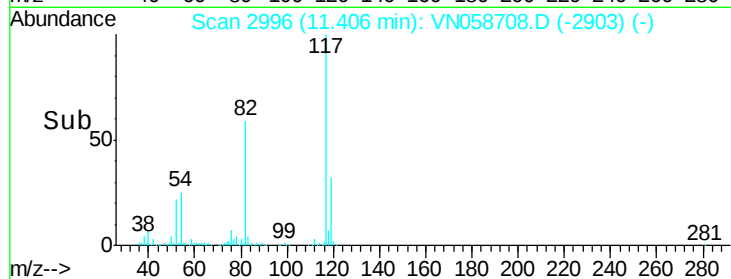
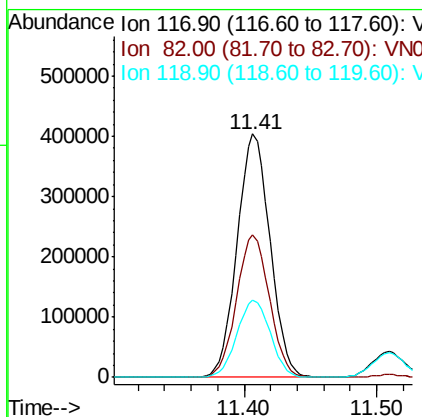
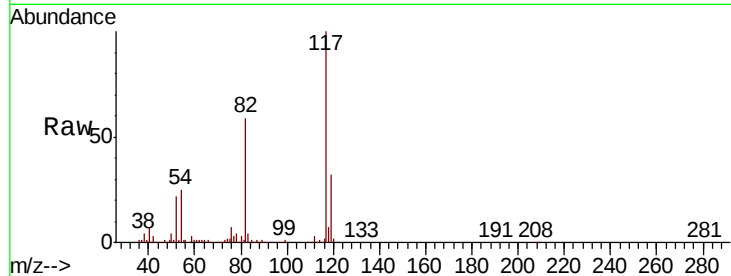
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1013WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 696757 |       |       |
| 82      | 58.7  |        | 47.0  | 70.4  |
| 119     | 31.7  |        | 25.4  | 38.2  |

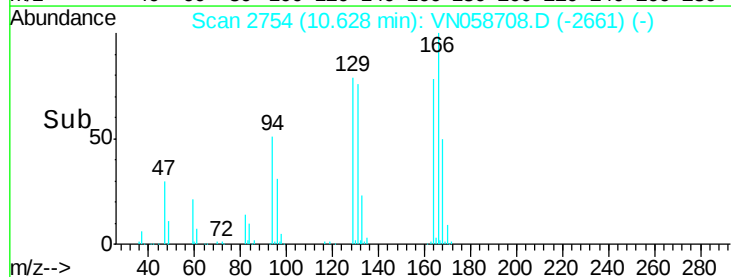
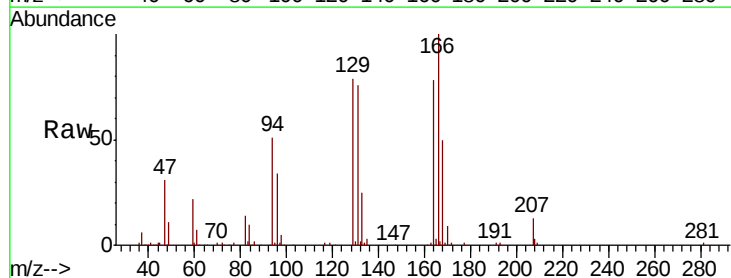
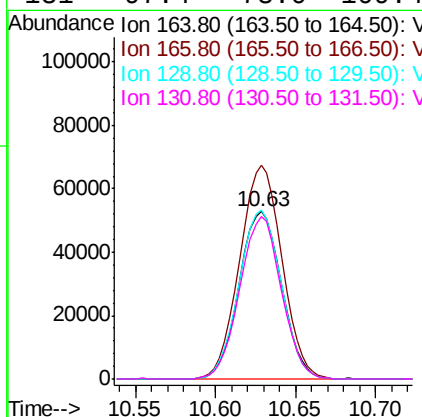
Manual Integrations  
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#64  
Tetrachloroethene  
Concen: 19.691 ug/l  
RT: 10.63 min Scan# 2754  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 96015 |       |       |
| 166     | 127.5 |       | 99.3  | 148.9 |
| 129     | 100.7 |       | 75.2  | 112.8 |
| 131     | 97.4  |       | 73.0  | 109.4 |





#65

Chlorobenzene

Concen: 19.946 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA\_N

ClientSampleId :

VN1013WBS01

Tot Ion:112 Resp: 282231

Ion Ratio Lower Upper

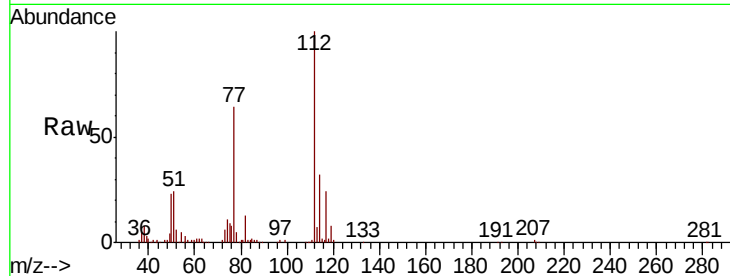
112 100

114 32.5 25.2 37.8

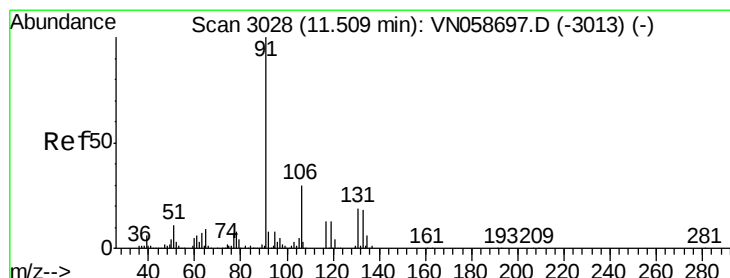
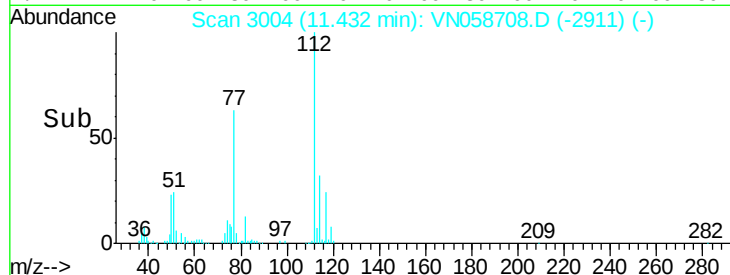
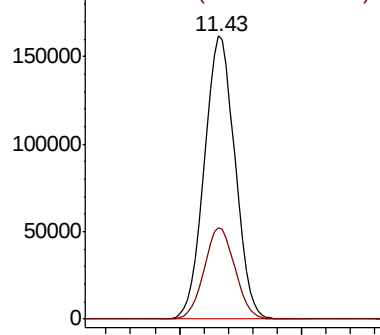
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Abundance Ion 111.90 (111.60 to 112.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.237 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

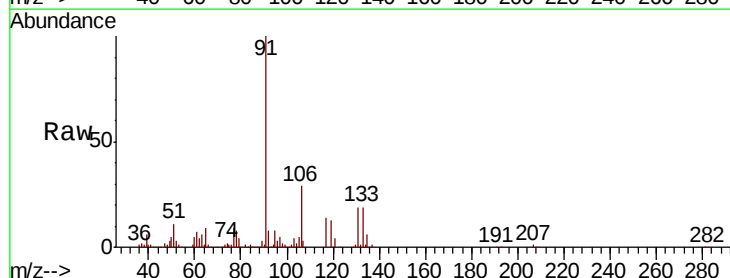
Tgt Ion:131 Resp: 105883

Ion Ratio Lower Upper

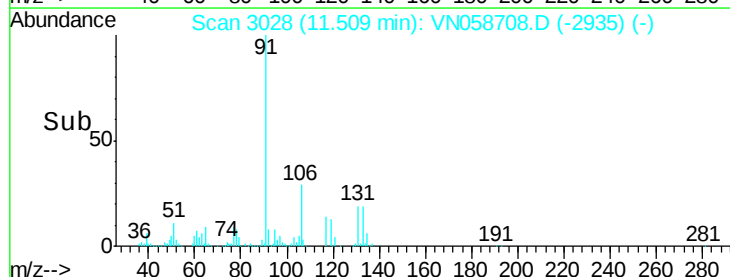
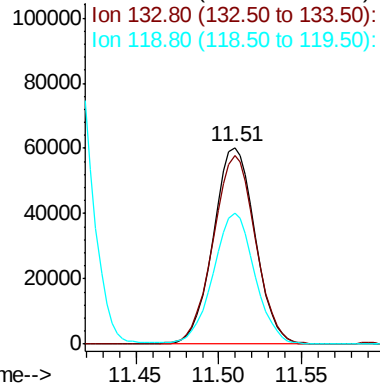
131 100

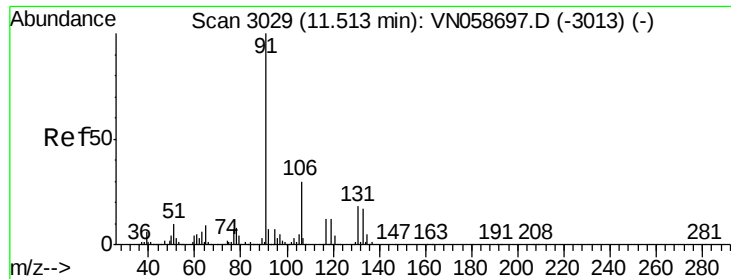
133 96.6 47.6 142.9

119 66.4 33.0 98.9



Abundance Ion 130.80 (130.50 to 131.50): V





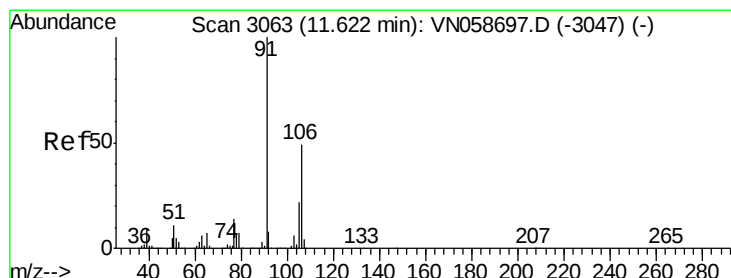
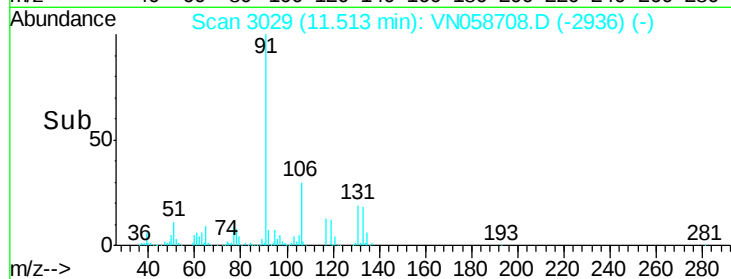
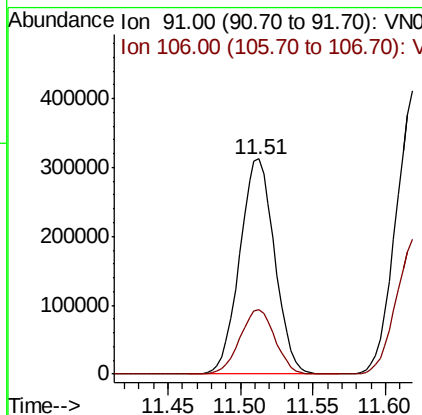
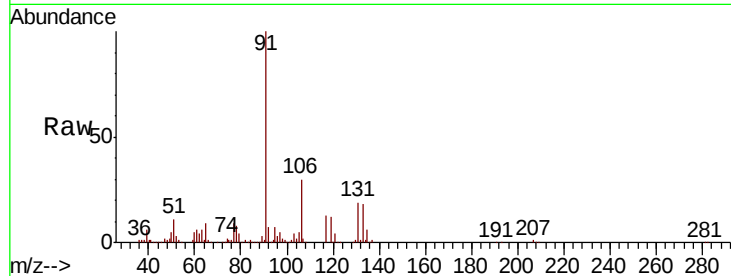
#67  
Ethyl Benzene  
Concen: 20.770 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1013WBS01

Tot Ion: 91 Resp: 523884  
Ion Ratio Lower Upper  
91 100  
106 30.0 24.1 36.1

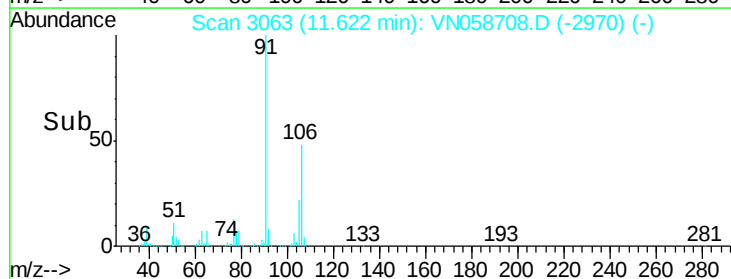
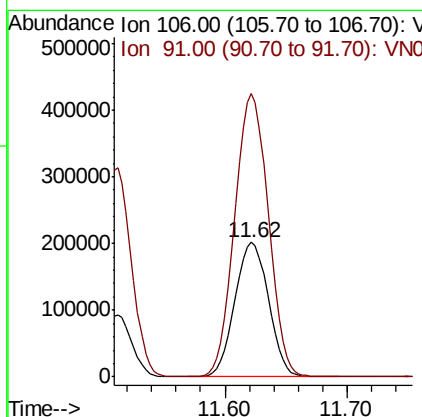
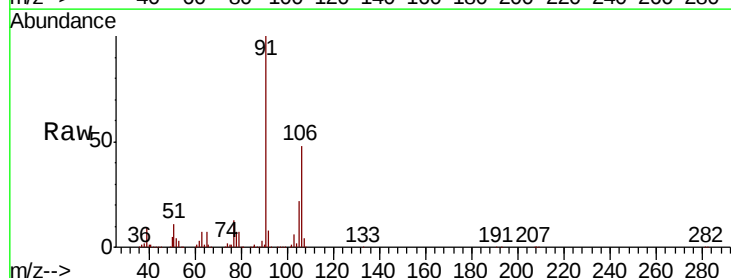
Manual Integrations  
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#68  
m/p-Xylenes  
Concen: 40.758 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

Tgt Ion: 106 Resp: 385797  
Ion Ratio Lower Upper  
106 100  
91 210.6 165.7 248.5





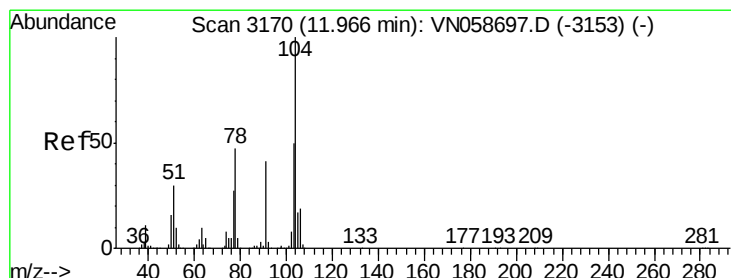
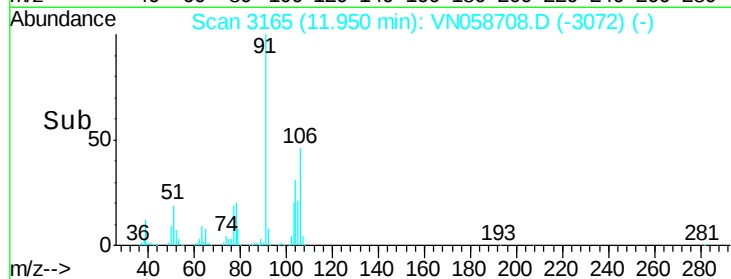
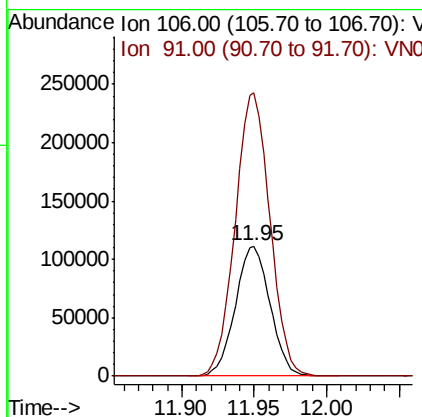
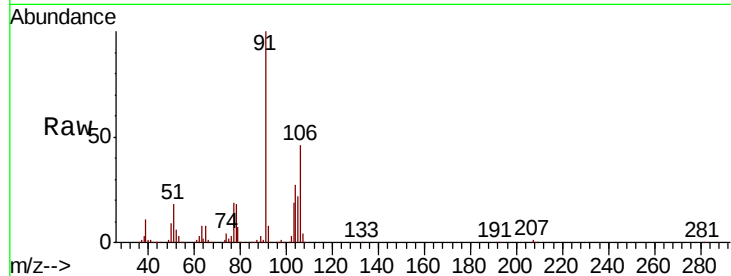
#69  
o-Xylene  
Concen: 20.223 ug/l  
RT: 11.95 min Scan# 3165  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1013WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 218.0 | 110.9 | 332.9 |

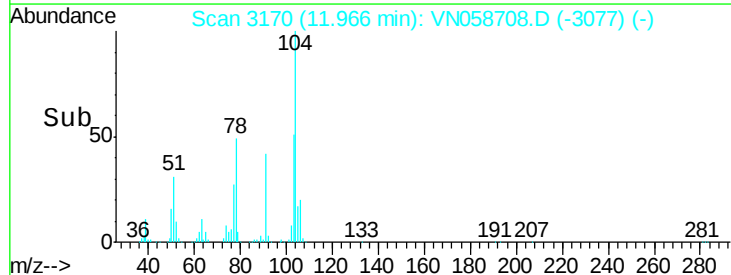
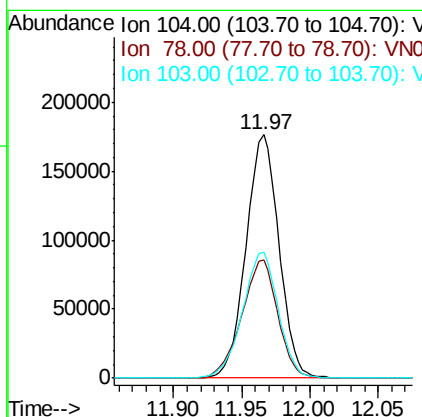
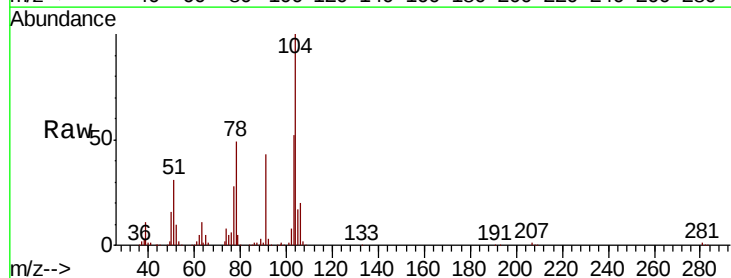
Manual Integrations  
APPROVED

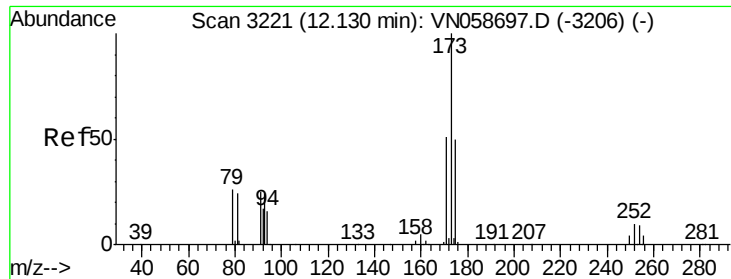
MMDadoda  
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#70  
Styrene  
Concen: 19.769 ug/l  
RT: 11.97 min Scan# 3170  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 53.1  | 42.2  | 63.2  |
| 103     | 56.1  | 43.7  | 65.5  |





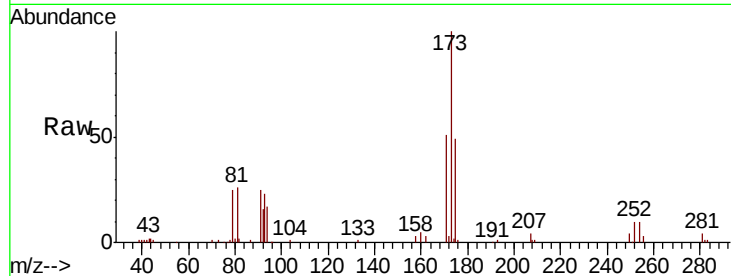
#71  
Bromoform  
Concen: 20.386 ug/l  
RT: 12.13 min Scan# 3221  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1013WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.9  | 24.6  | 73.8  |
| 254     | 0.0   | 0.1   | 0.1#  |

Manual Integrations  
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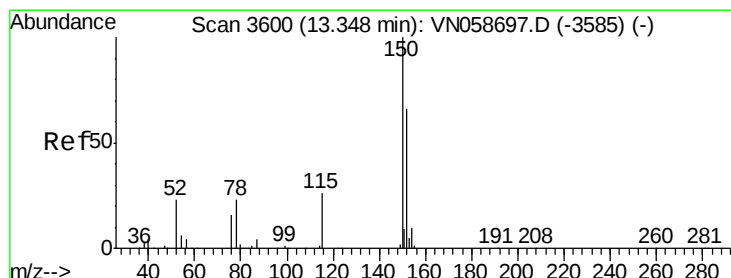
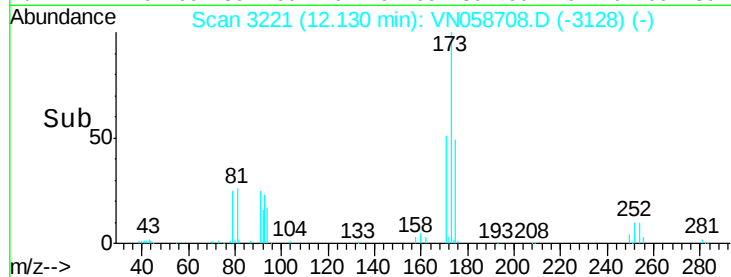
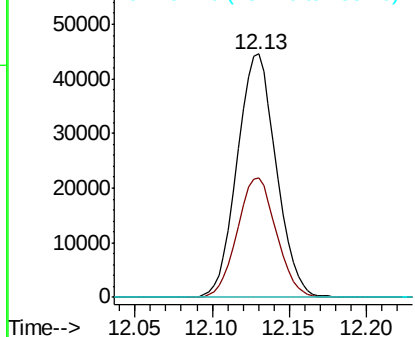


Abundance

Ion 172.70 (172.40 to 173.40): V

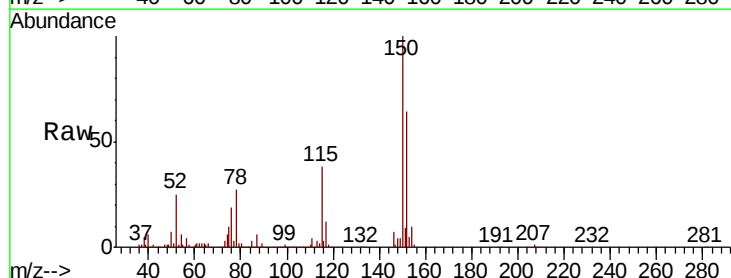
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3600  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.9  | 30.4  | 91.2  |
| 150     | 162.9 | 0.0   | 345.4 |

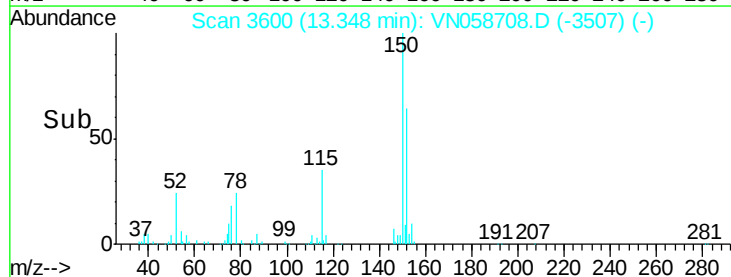
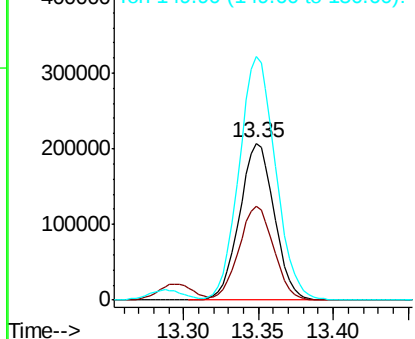


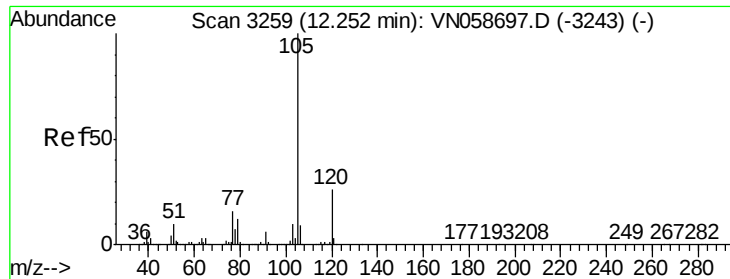
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.857 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA\_N

ClientSampleId :

VN1013WBS01

Tot Ion: 105 Resp: 505679

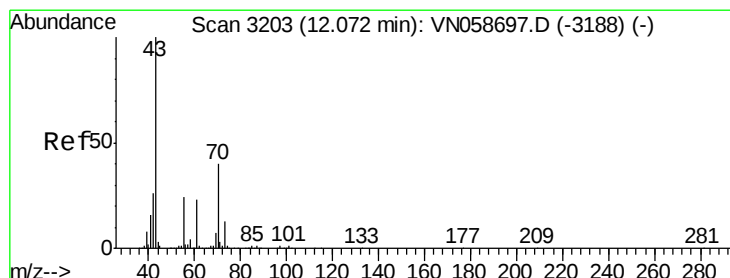
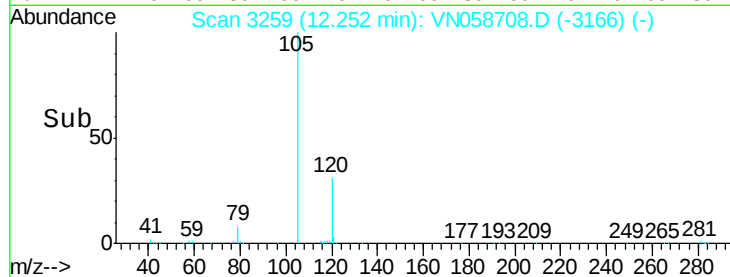
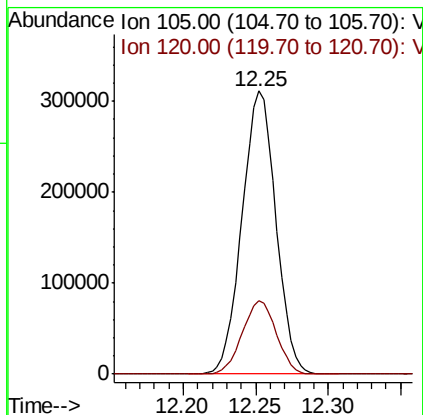
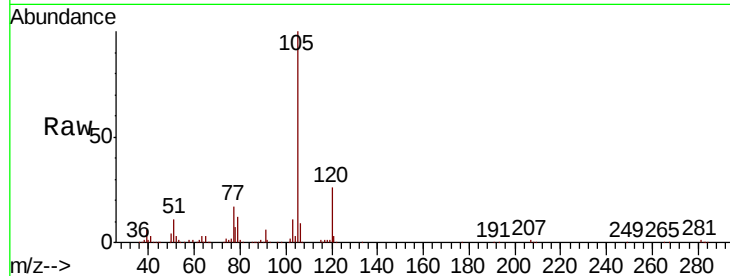
Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.1

Manual Integrations  
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#74

N-ethyl acetate

Concen: 20.770 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Tgt Ion: 43 Resp: 226174

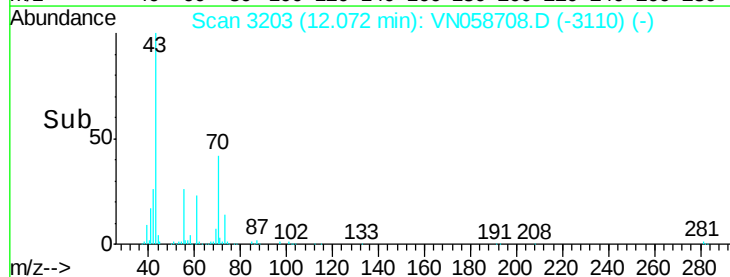
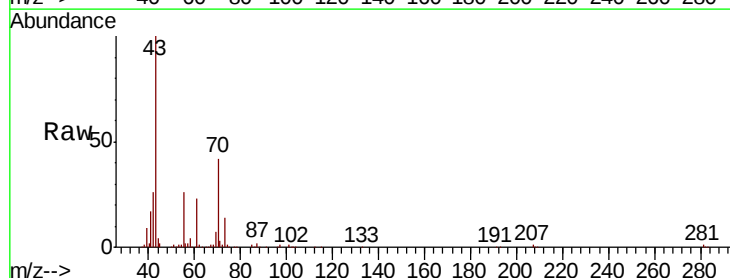
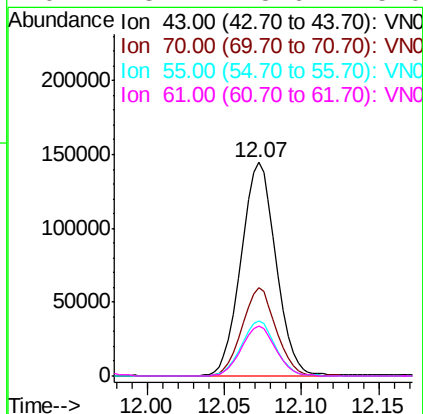
Ion Ratio Lower Upper

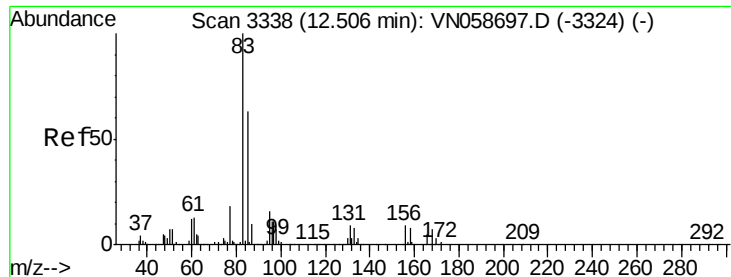
43 100

70 40.6 32.2 48.4

55 25.4 19.6 29.4

61 23.2 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.623 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA\_N

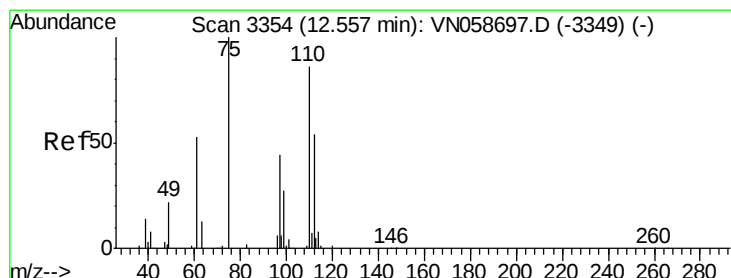
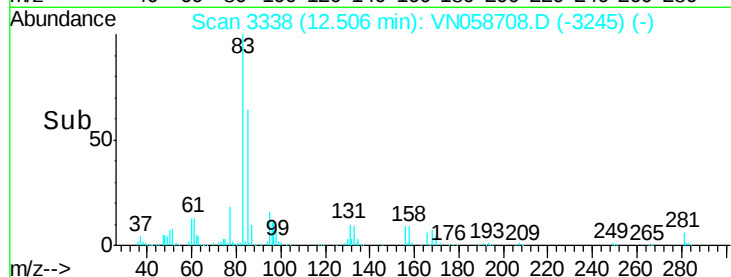
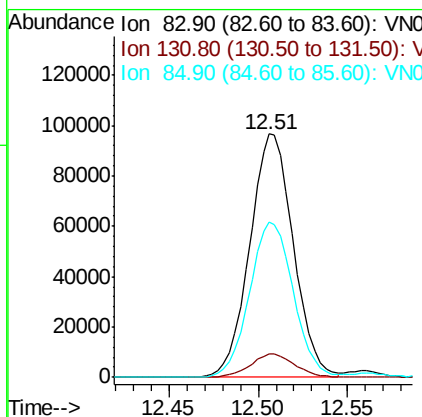
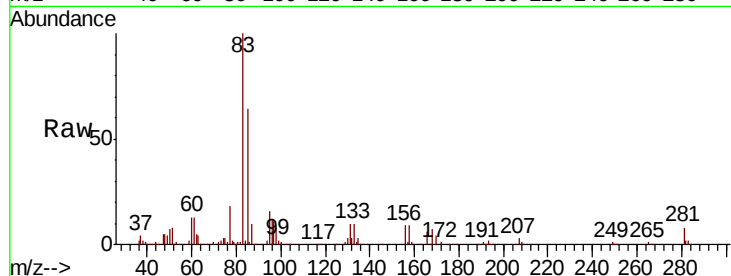
ClientSampleId :

VN1013WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 164722 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.8   | 4.8   | 14.4   |
| 85        | 64.2  | 31.9  | 95.5   |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 20.297 ug/l m

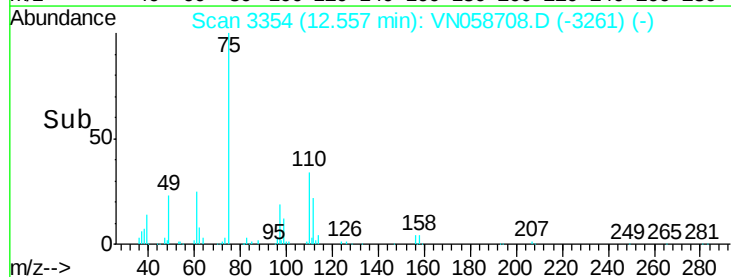
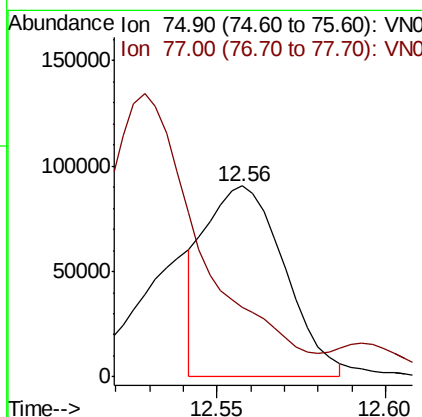
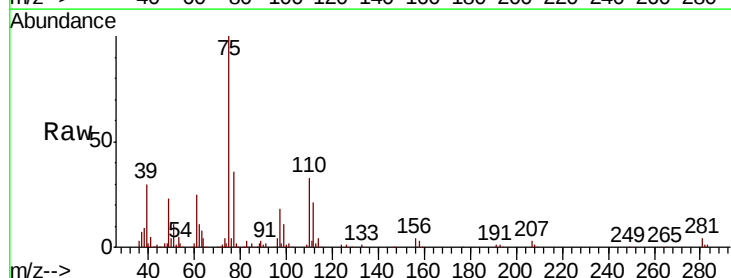
RT: 12.56 min Scan# 3354

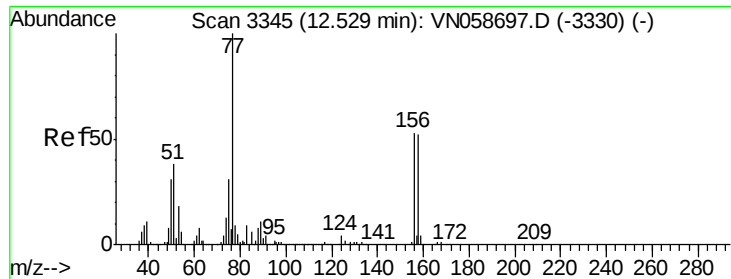
Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 149063 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 20.205 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA\_N

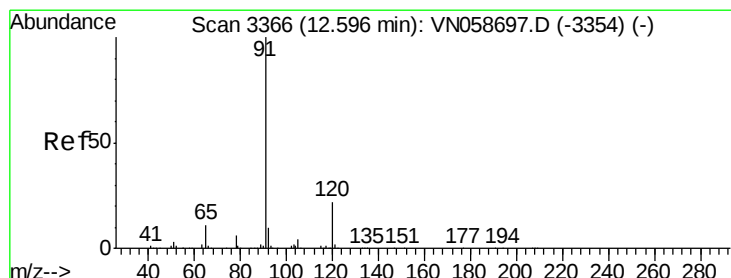
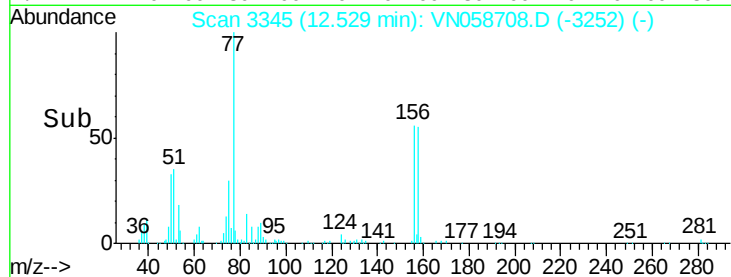
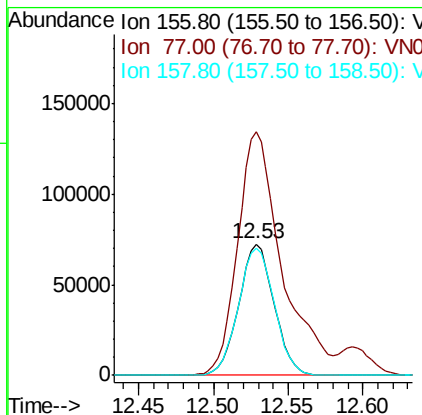
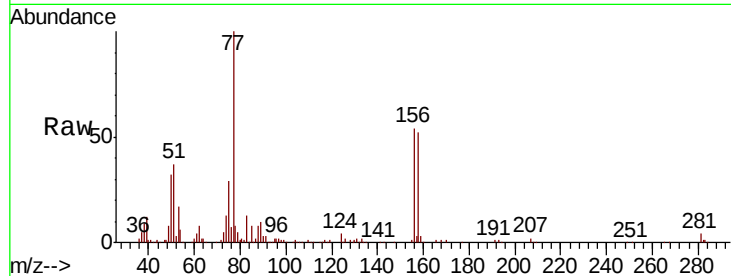
ClientSampleId :

VN1013WBS01

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 156     | 100   |       |        |       |       |
| 77      | 232.1 |       | 119158 | 115.8 | 347.3 |
| 158     | 99.1  |       |        | 48.9  | 146.6 |

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#78

n-propylbenzene

Concen: 21.018 ug/l

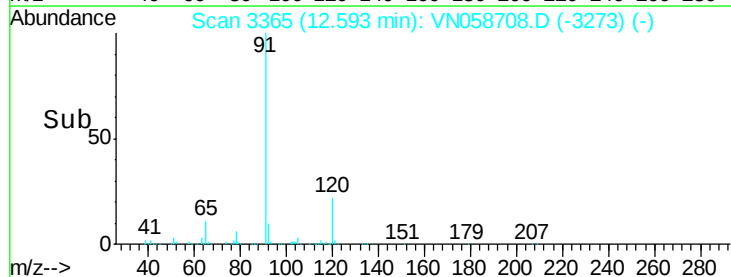
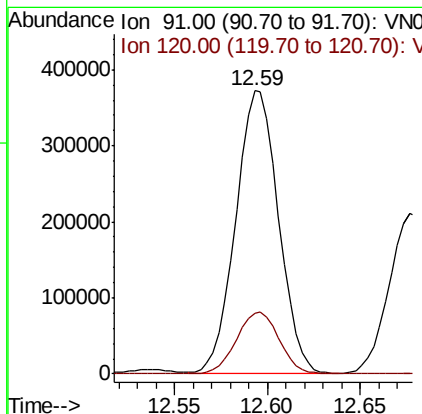
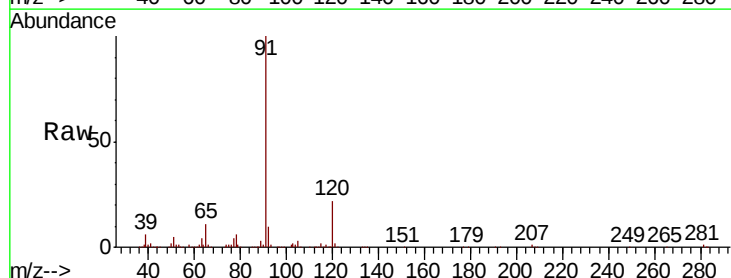
RT: 12.59 min Scan# 3365

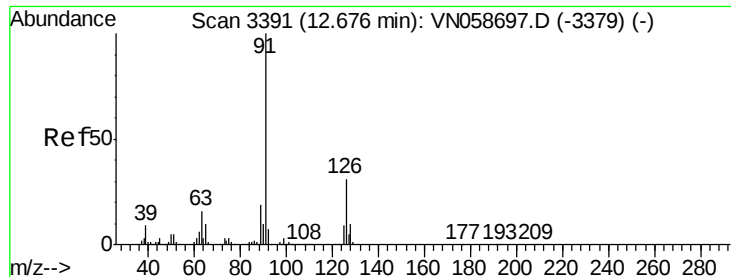
Delta R.T. -0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 91      | 100  |       | 593800 |       |       |
| 120     | 21.8 |       |        | 11.1  | 33.3  |





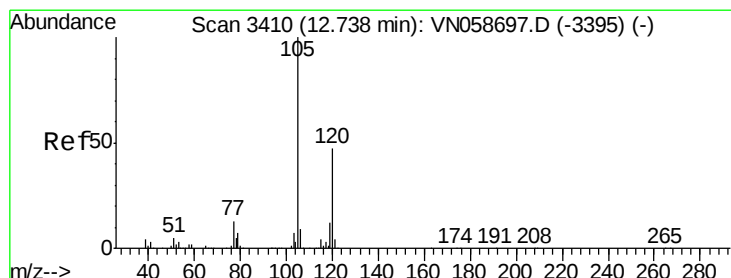
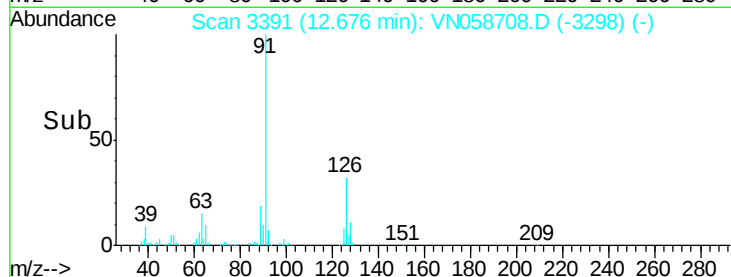
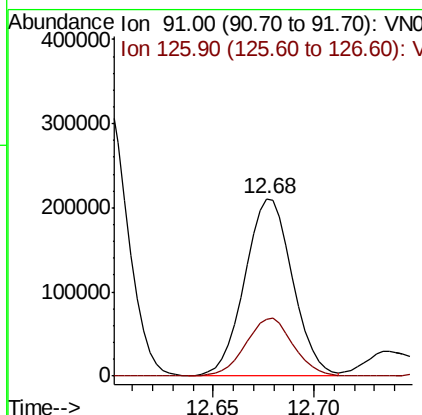
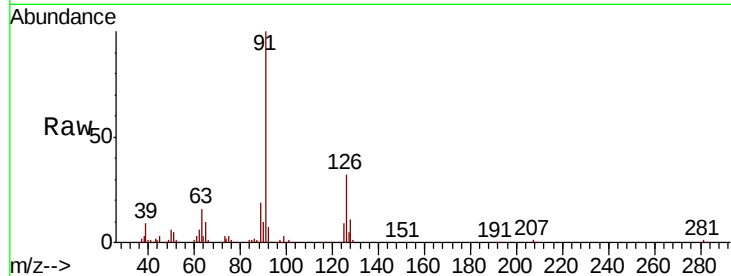
#79  
 2-Chlorotoluene  
 Concen: 19.813 ug/l  
 RT: 12.68 min Scan# 3391  
 Delta R.T. 0.00 min  
 Lab File: VN058708.D  
 Acq: 11 Oct 2019 17:04

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1013WBS01

Tot Ion: 91 Resp: 347440  
 Ion Ratio Lower Upper  
 91 100  
 126 32.7 16.2 48.5

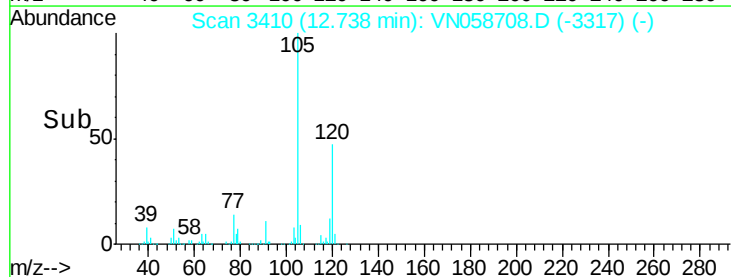
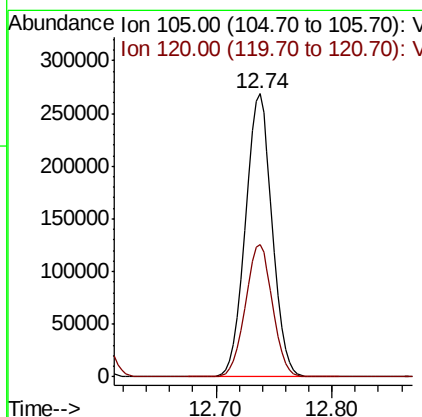
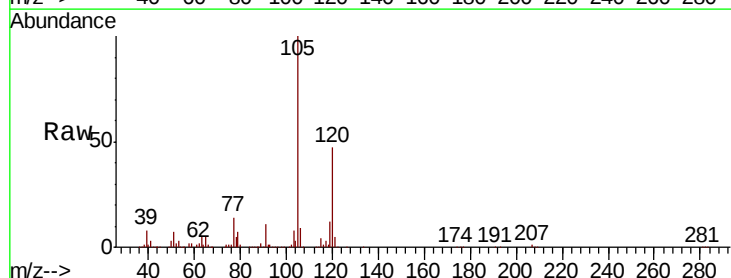
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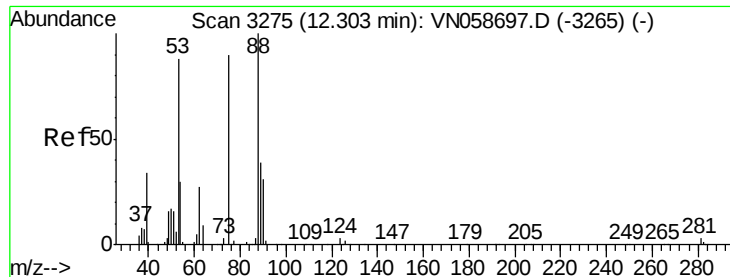
MMDadoda  
 10/16/2019 12:48:51 AM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 20.763 ug/l  
 RT: 12.74 min Scan# 3410  
 Delta R.T. 0.00 min  
 Lab File: VN058708.D  
 Acq: 11 Oct 2019 17:04

Tgt Ion: 105 Resp: 429791  
 Ion Ratio Lower Upper  
 105 100  
 120 47.8 23.4 70.2





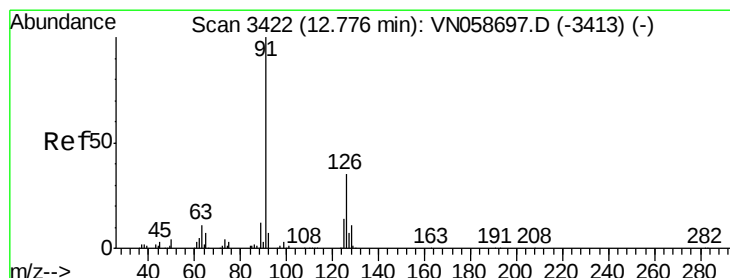
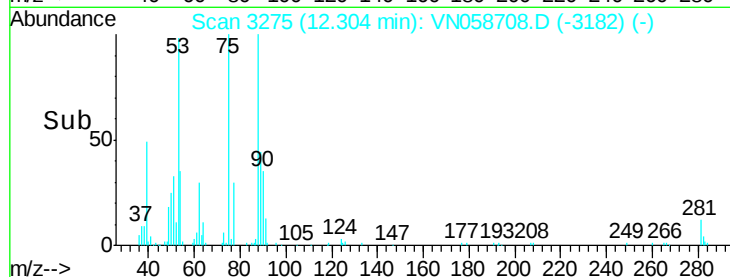
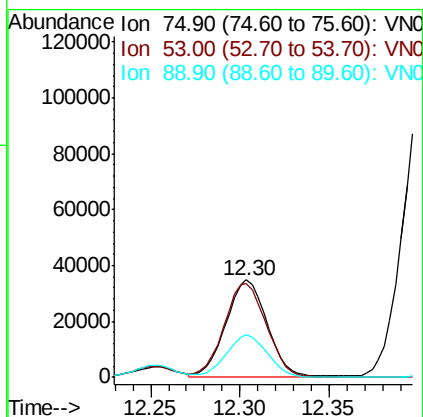
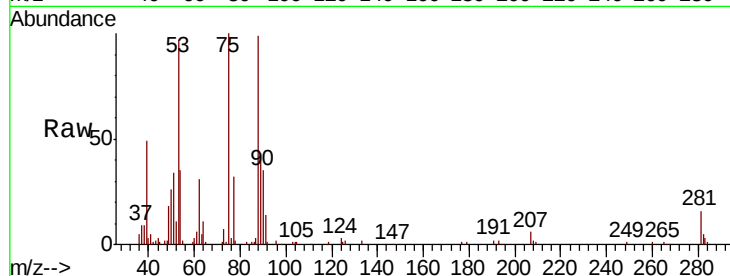
#81  
trans-1,4-Dichloro-2-butene  
Concen: 20.385 ug/l  
RT: 12.30 min Scan# 3275  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1013WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 100.0 | 78.4  | 117.6 |
| 89      | 43.5  | 34.9  | 52.3  |

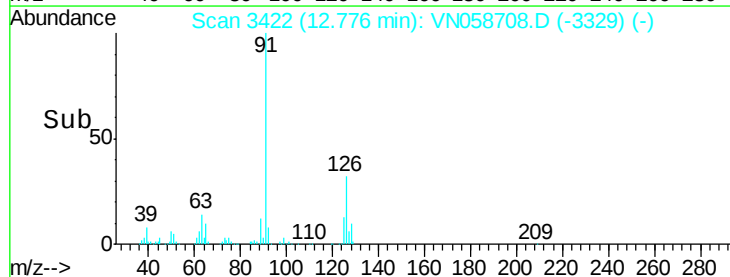
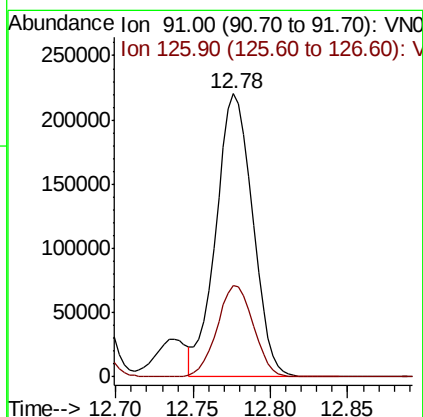
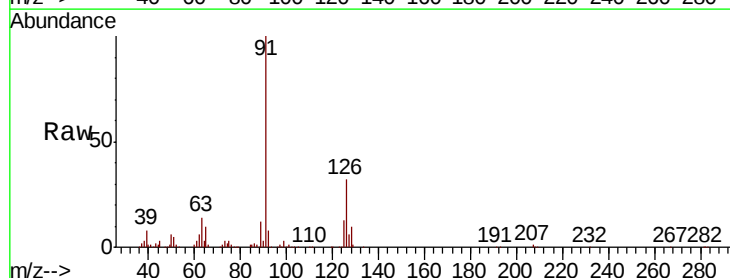
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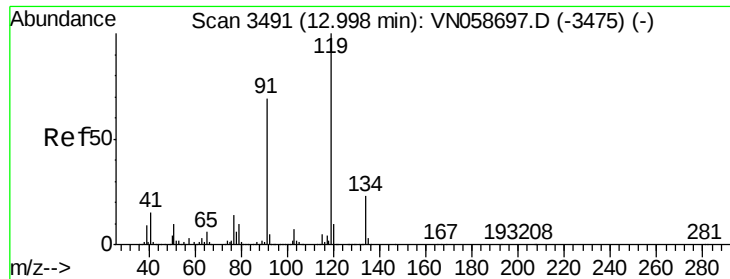
MMDadoda  
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#82  
4-Chlorotoluene  
Concen: 20.125 ug/l  
RT: 12.78 min Scan# 3422  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.1  | 15.9  | 47.6  |





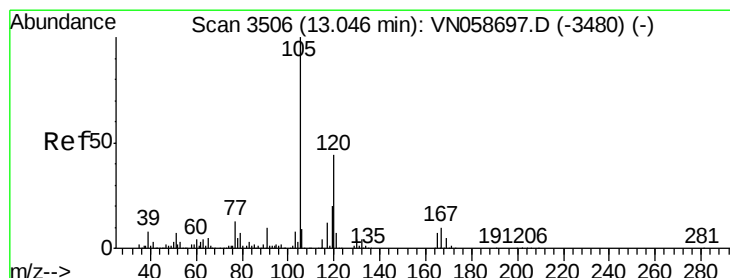
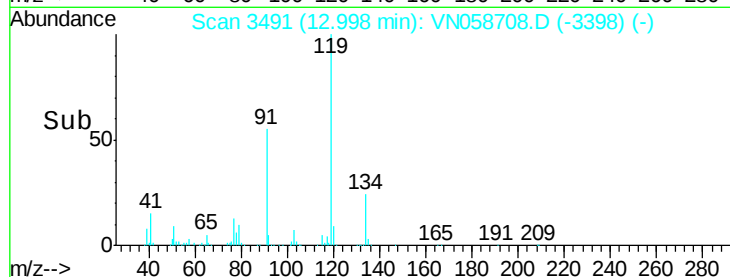
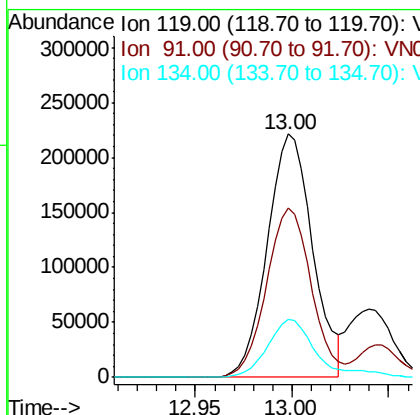
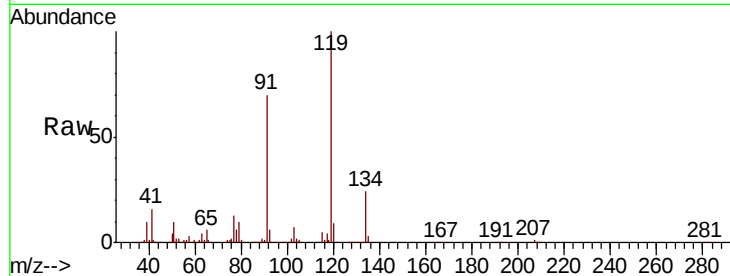
#83  
 tert-Butylbenzene  
 Concen: 20.332 ug/l  
 RT: 13.00 min Scan# 3491  
 Delta R.T. 0.00 min  
 Lab File: VN058708.D  
 Acq: 11 Oct 2019 17:04

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1013WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 68.6  | 33.8  | 101.3 |
| 134     | 25.8  | 12.6  | 37.6  |

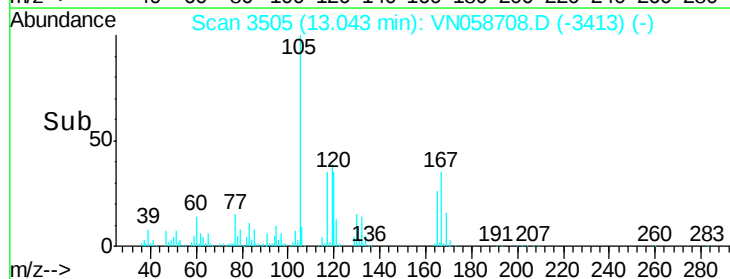
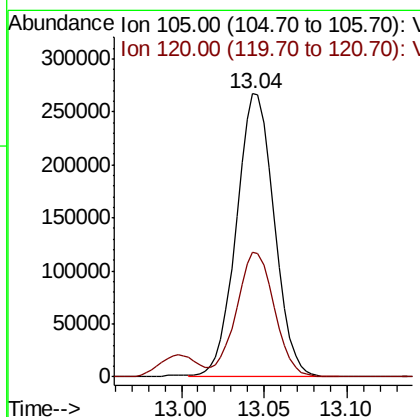
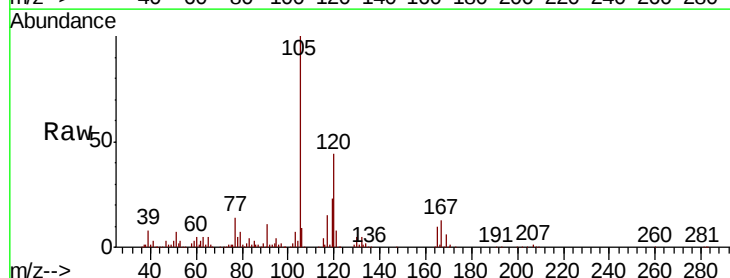
Manual Integrations  
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.548 ug/l  
 RT: 13.04 min Scan# 3505  
 Delta R.T. -0.00 min  
 Lab File: VN058708.D  
 Acq: 11 Oct 2019 17:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.2  | 21.9  | 65.7  |





#85

sec-Butylbenzene

Concen: 20.907 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

Instrument :

MSVOA\_N

ClientSampleId :

VN1013WBS01

Tot Ion:105 Resp: 488512

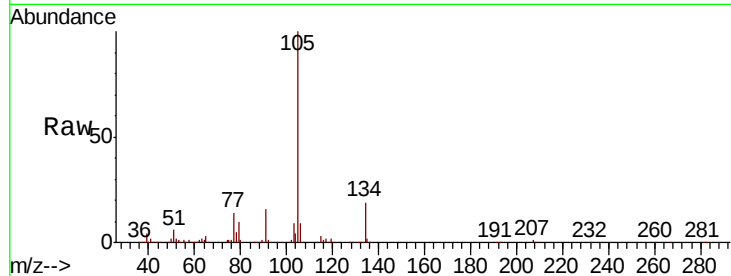
Ion Ratio Lower Upper

105 100

134 19.6 9.7 29.1

Manual Integrations  
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

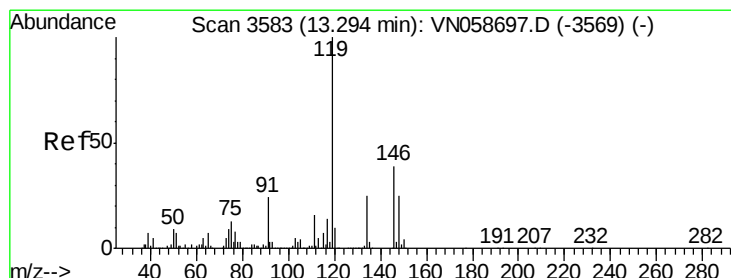
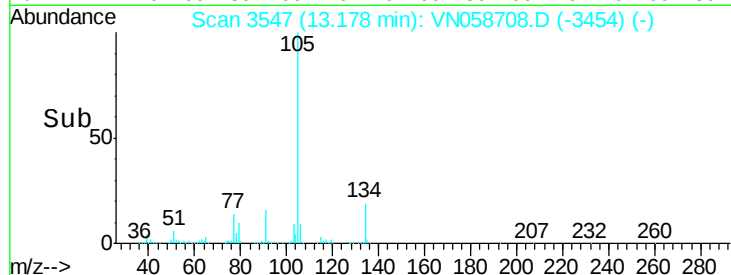
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.759 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

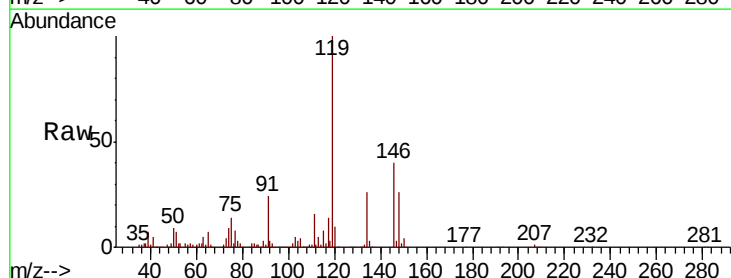
Tgt Ion:119 Resp: 440837

Ion Ratio Lower Upper

119 100

134 25.9 12.7 38.1

91 24.4 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

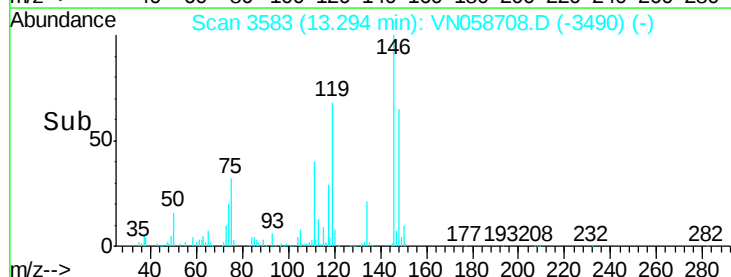
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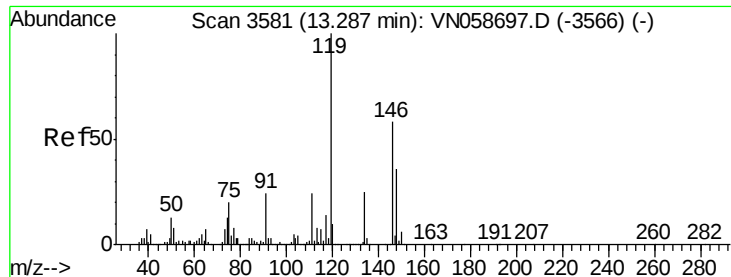
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.436 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058708.D

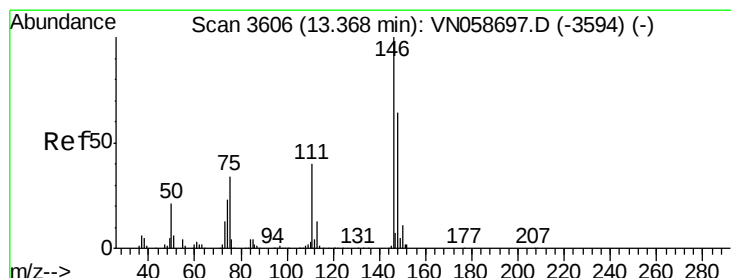
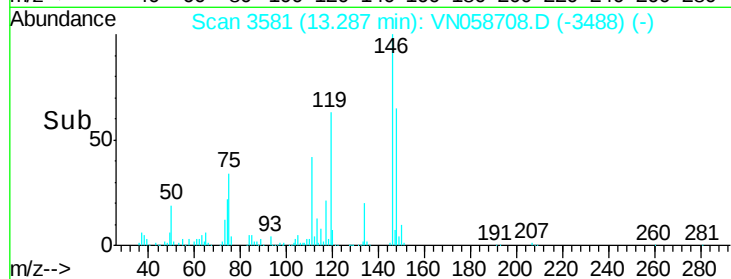
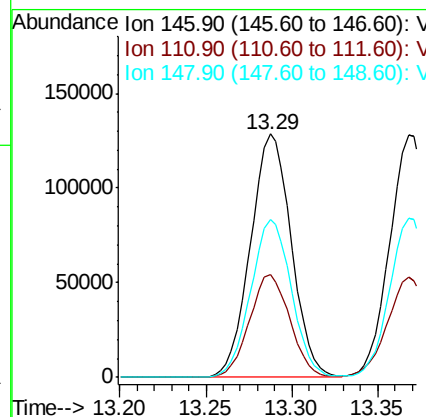
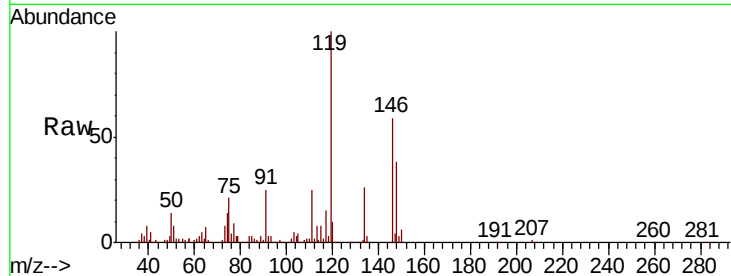
Acq: 11 Oct 2019 17:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1013WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 211387 |       |       |
| 111     | 41.8  | 20.5   | 61.6  |       |
| 148     | 64.7  | 31.3   | 93.9  |       |

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#88

1,4-Dichlorobenzene

Concen: 19.169 ug/l

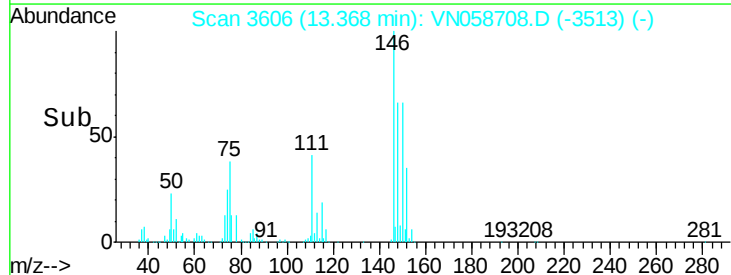
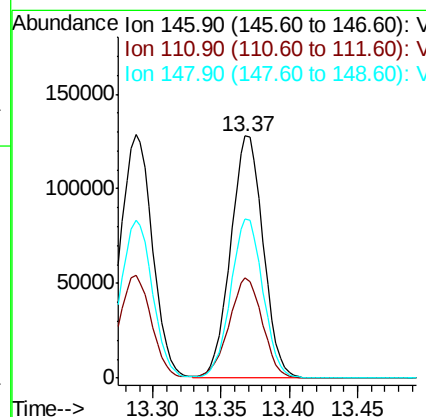
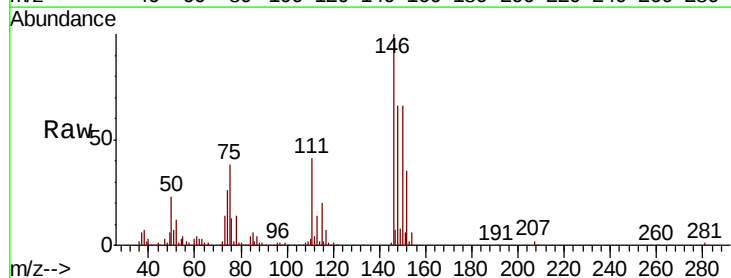
RT: 13.37 min Scan# 3606

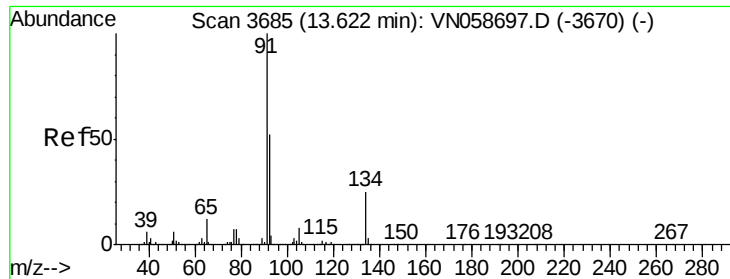
Delta R.T. 0.00 min

Lab File: VN058708.D

Acq: 11 Oct 2019 17:04

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 211972 |       |       |
| 111     | 42.7  | 20.1   | 60.2  |       |
| 148     | 65.4  | 31.9   | 95.7  |       |





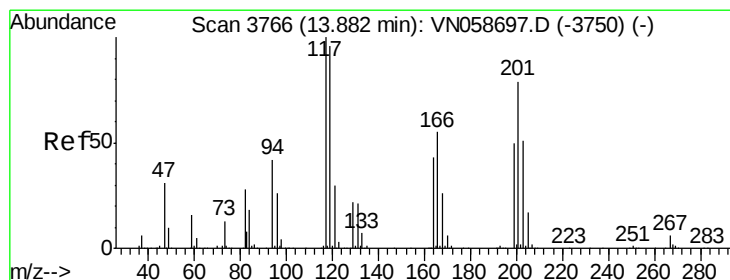
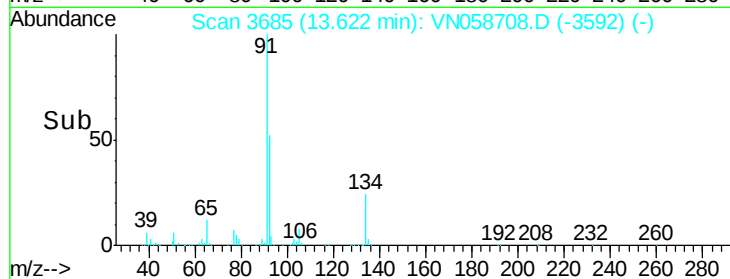
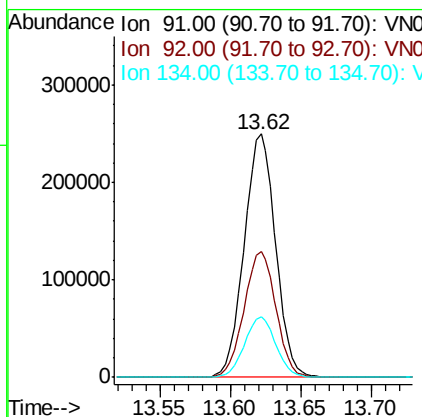
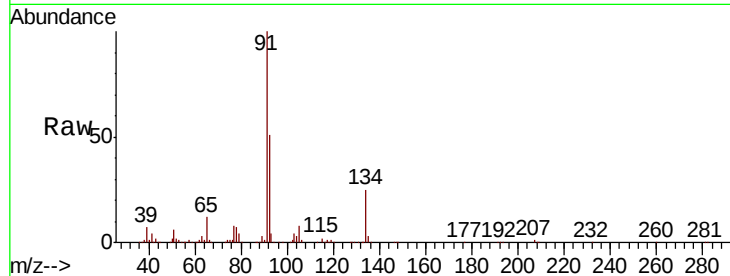
#89  
n-Butylbenzene  
Concen: 19.861 ug/l  
RT: 13.62 min Scan# 3685  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1013WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.3  | 26.0  | 78.0  |
| 134     | 24.7  | 12.2  | 36.6  |

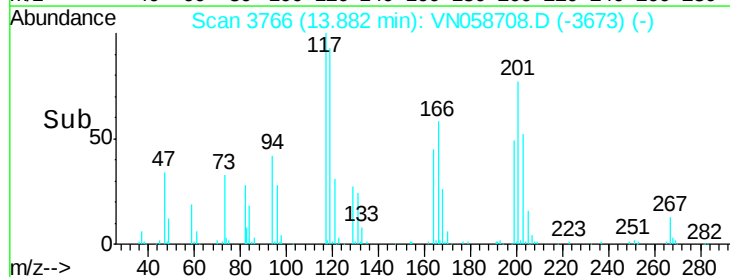
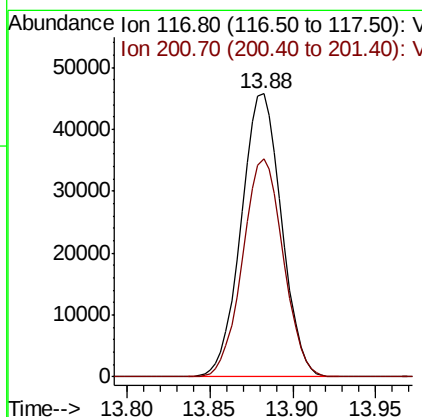
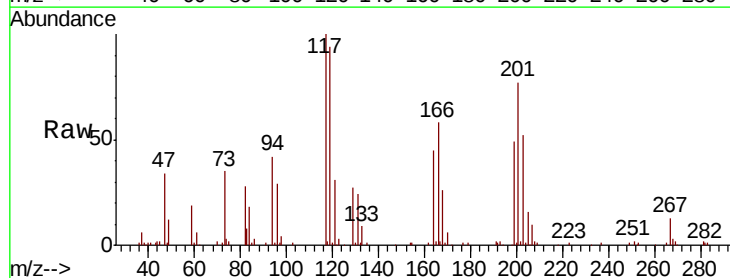
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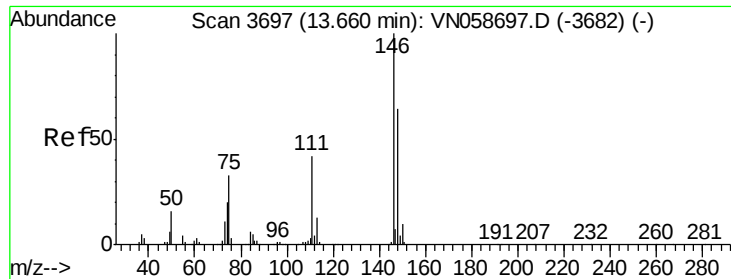
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#90  
Hexachloroethane  
Concen: 20.355 ug/l  
RT: 13.88 min Scan# 3766  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 77.5  | 39.6  | 118.7 |





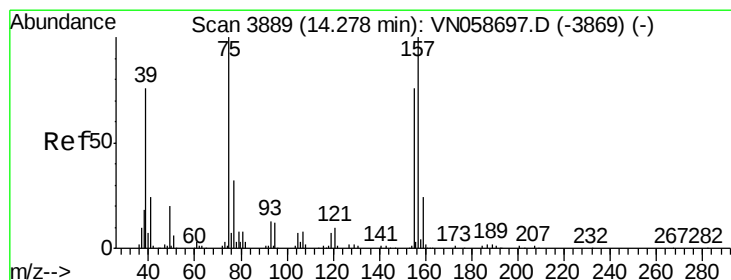
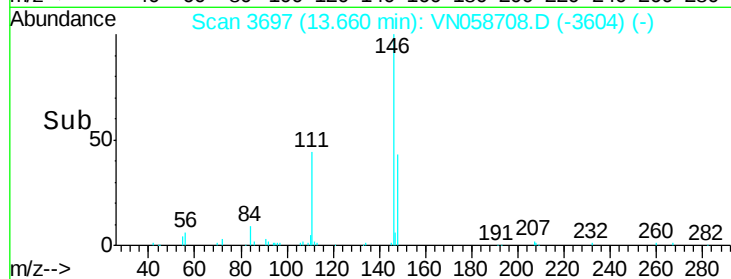
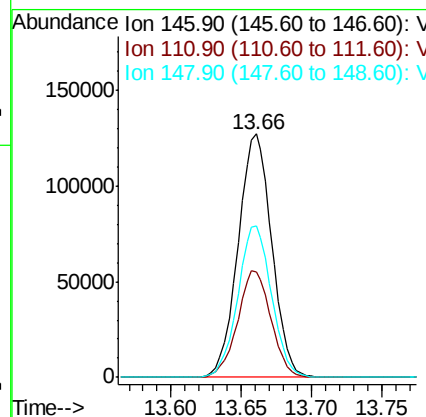
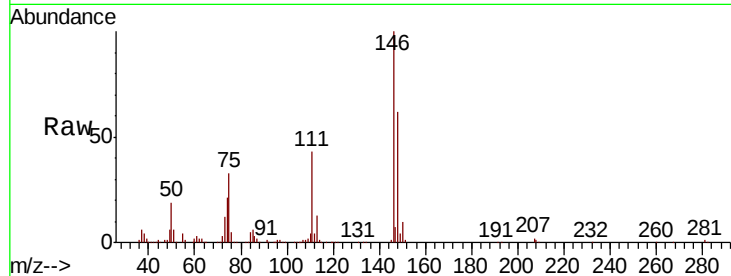
#91  
 1,2-Dichlorobenzene  
 Concen: 20.060 ug/l  
 RT: 13.66 min Scan# 3697  
 Delta R.T. 0.00 min  
 Lab File: VN058708.D  
 Acq: 11 Oct 2019 17:04

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1013WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.6  | 21.1  | 63.4  |
| 148     | 62.3  | 31.8  | 95.3  |

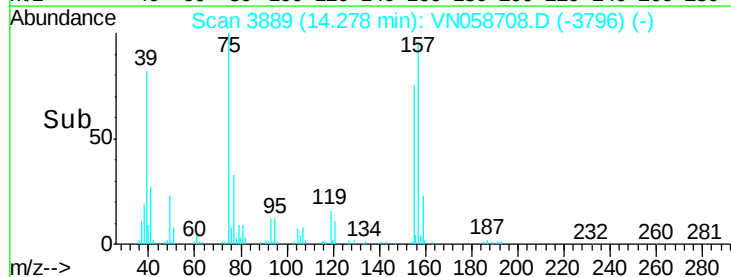
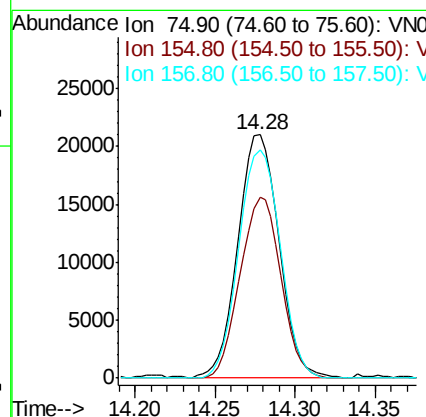
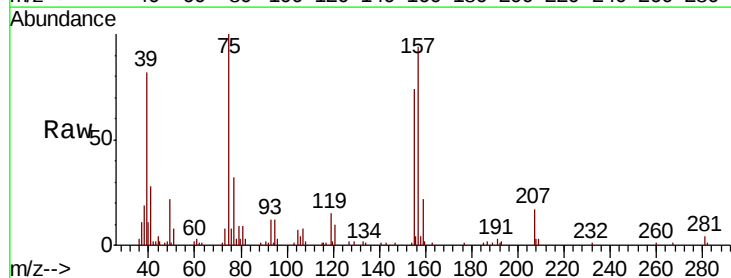
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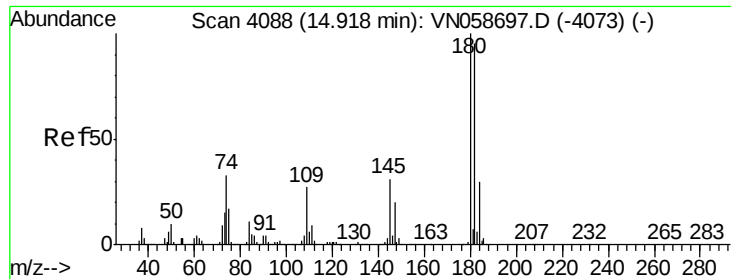
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.798 ug/l  
 RT: 14.28 min Scan# 3889  
 Delta R.T. 0.00 min  
 Lab File: VN058708.D  
 Acq: 11 Oct 2019 17:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 73.4  | 37.9  | 113.6 |
| 157     | 94.3  | 49.4  | 148.2 |





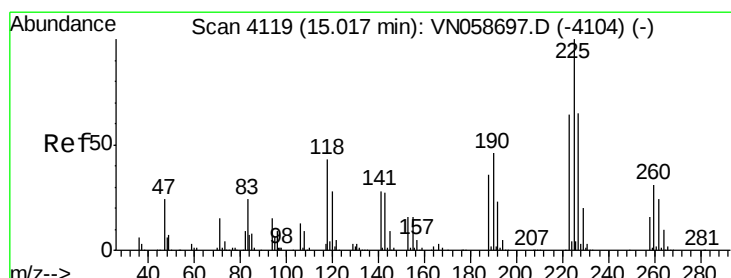
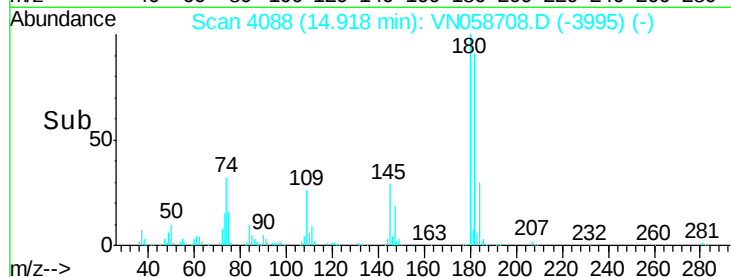
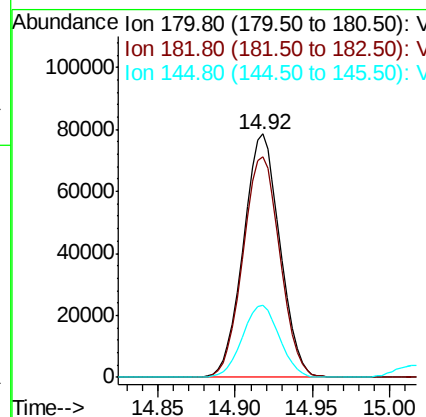
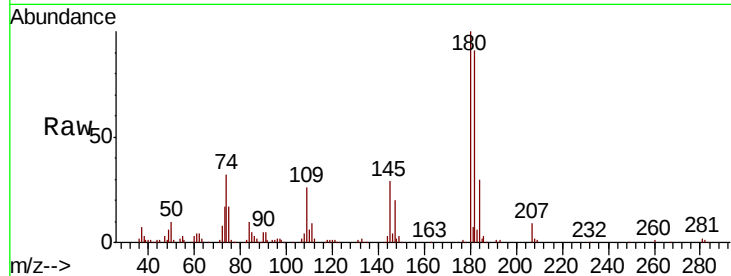
#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.949 ug/l  
 RT: 14.92 min Scan# 4088  
 Delta R.T. 0.00 min  
 Lab File: VN058708.D  
 Acq: 11 Oct 2019 17:04

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1013WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 128995 |       |       |
| 182     | 91.9  | 47.4   | 142.2 |       |
| 145     | 30.3  | 15.4   | 46.2  |       |

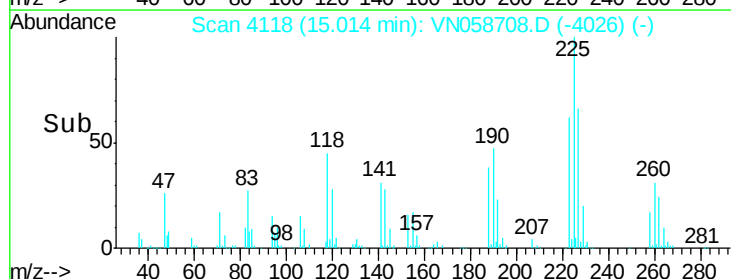
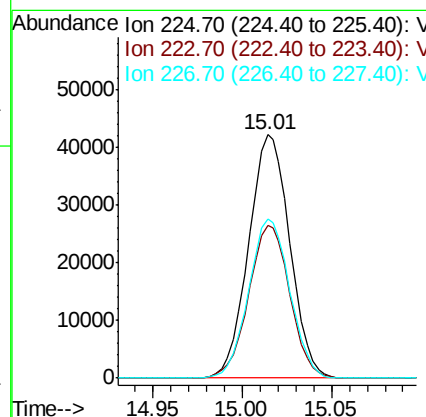
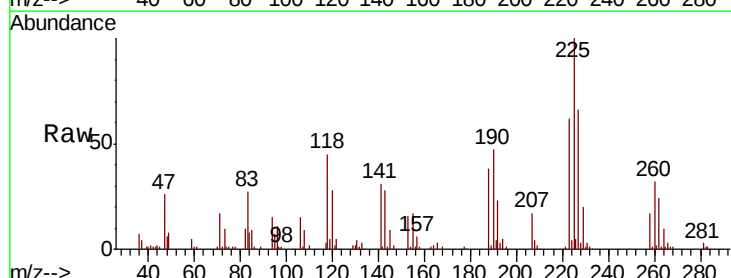
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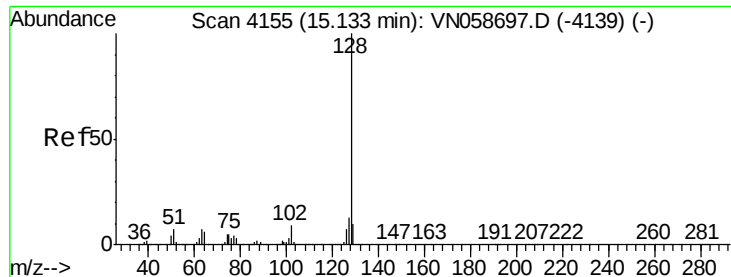
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#94  
 Hexachlorobutadiene  
 Concen: 20.034 ug/l  
 RT: 15.01 min Scan# 4118  
 Delta R.T. -0.00 min  
 Lab File: VN058708.D  
 Acq: 11 Oct 2019 17:04

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 68218 |       |       |
| 223     | 62.5  | 32.3  | 96.8  |       |
| 227     | 65.2  | 32.4  | 97.0  |       |





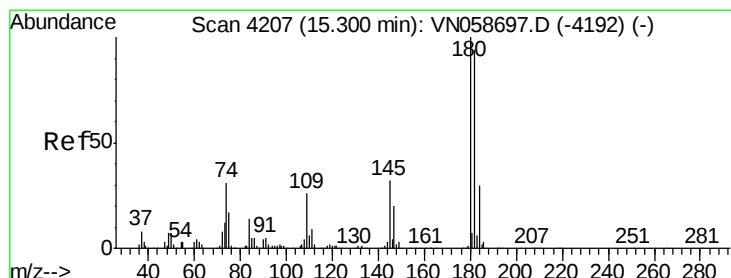
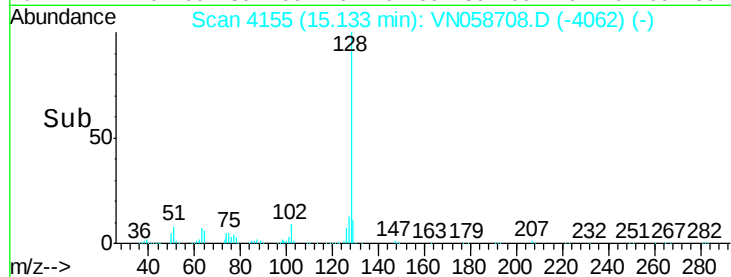
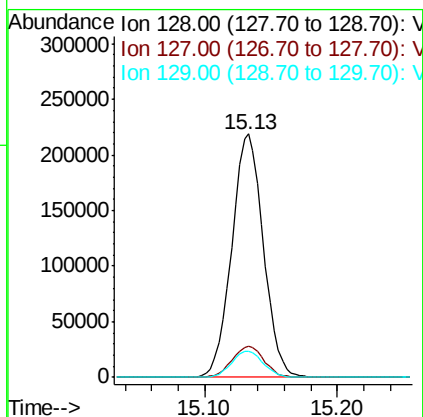
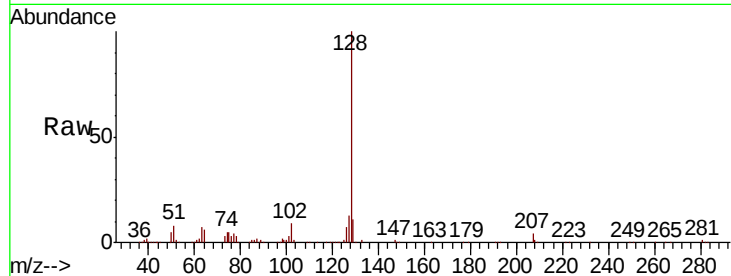
#95  
Naphthalene  
Concen: 19.423 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1013WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.2  | 15.4  |
| 129     | 10.8  | 8.5   | 12.7  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 19.152 ug/l  
RT: 15.30 min Scan# 4207  
Delta R.T. 0.00 min  
Lab File: VN058708.D  
Acq: 11 Oct 2019 17:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.4  | 47.3  | 142.0 |
| 145     | 33.6  | 16.2  | 48.6  |

