

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120421\  
 Data File : VW021156.D  
 Acq On : 05 Dec 2021 07:49  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 06 04:31:29 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Dec 04 04:50:24 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 119363   | 25.000   | ug/L  | # 0.00   |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 121970   | 25.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 72267    | 25.000   | ug/L  | 0.00     |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 2.355  | 65    | 38643    | 23.236   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 92.960%  |
| 7) Chloroethane-d5            | 2.885  | 69    | 26157    | 23.496   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 94.000%  |
| 11) 1,1-Dichloroethene-d2     | 4.025  | 63    | 64149    | 24.146   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =     | 96.600%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 16676    | 43.961   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 87.920%  |
| 24) Chloroform-d              | 7.653  | 84    | 74654    | 24.974   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =     | 99.880%  |
| 26) 1,2-Dichloroethane-d4     | 8.311  | 65    | 41154    | 25.165   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =     | 100.680% |
| 32) Benzene-d6                | 8.281  | 84    | 139425   | 22.357   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =     | 89.440%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 38107    | 21.988   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =     | 87.960%  |
| 41) Toluene-d8                | 10.323 | 98    | 144801   | 22.644   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =     | 90.560%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 17821    | 22.646   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =     | 90.600%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 14227    | 42.906   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 85.820%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 38901    | 24.262   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =     | 97.040%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 59354    | 22.923   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =     | 91.680%  |
| Target Compounds              |        |       |          |          |       |          |
|                               |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.007  | 85    | 10161    | 17.428   | ug/L  | 98       |
| 3) Chloromethane              | 2.215  | 50    | 32665    | 25.026   | ug/L  | 98       |
| 5) Vinyl chloride             | 2.367  | 62    | 55837    | 24.625   | ug/L  | 96       |
| 6) Bromomethane               | 2.782  | 94    | 33958    | 22.523   | ug/L  | 99       |
| 8) Chloroethane               | 2.922  | 64    | 24360    | 25.778   | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 3.263  | 101   | 30449    | 27.811   | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.074  | 101   | 38888    | 22.692   | ug/L  | 93       |
| 12) 1,1-Dichloroethene        | 4.044  | 96    | 37249    | 24.042   | ug/L  | 80       |
| 13) Acetone                   | 4.141  | 43    | 12277    | 35.530   | ug/L  | 97       |
| 14) Carbon disulfide          | 4.385  | 76    | 105097   | 24.438   | ug/L  | 98       |
| 15) Methyl Acetate            | 4.678  | 43    | 14454    | 23.070   | ug/L  | # 90     |
| 16) Methylene chloride        | 4.922  | 84    | 40911    | 21.755   | ug/L  | 85       |
| 17) trans-1,2-Dichloroethene  | 5.428  | 96    | 41268    | 25.017   | ug/L  | 84       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 66778    | 26.821   | ug/L  | 95       |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 67660    | 25.866   | ug/L  | 97       |
| 20) cis-1,2-Dichloroethene    | 7.177  | 96    | 45994    | 26.281   | ug/L  | 70       |
| 22) 2-Butanone                | 7.177  | 43    | 20008    | 41.842   | ug/L  | 88       |
| 23) Bromochloromethane        | 7.519  | 128   | 21477    | 26.228   | ug/L  | # 64     |
| 25) Chloroform                | 7.677  | 83    | 76430    | 26.029   | ug/L  | 99       |

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 ALS Vial : 50 Sample Multiplier: 1

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 ClientSampleId :

Quant Time: Dec 06 04:31:29 2021  
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 Quant Title : SFAM01.0  
 QLast Update : Sat Dec 04 04:50:24 2021  
 Response via : Initial Calibration

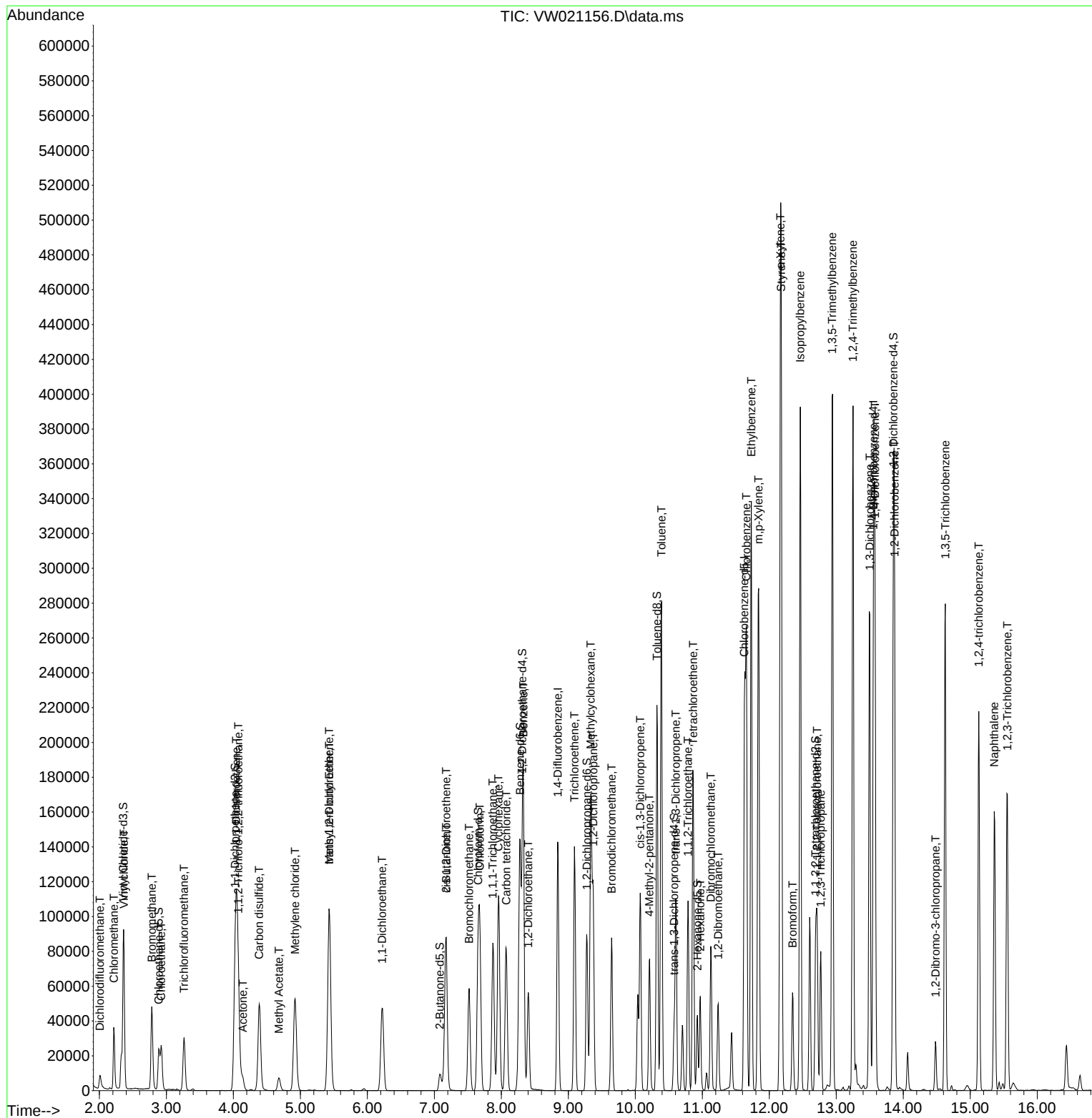
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 51138    | 26.623 | ug/L   | 97       |
| 29) Cyclohexane               | 7.958  | 56   | 59927    | 22.272 | ug/L # | 83       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 67814    | 23.846 | ug/L   | 95       |
| 31) Carbon tetrachloride      | 8.073  | 117  | 60466    | 22.881 | ug/L   | 96       |
| 33) Benzene                   | 8.330  | 78   | 164397   | 23.702 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 45283    | 23.665 | ug/L   | 93       |
| 35) Methylcyclohexane         | 9.335  | 83   | 71938    | 22.335 | ug/L # | 85       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 37414    | 23.866 | ug/L # | 95       |
| 38) Bromodichloromethane      | 9.646  | 83   | 53805    | 24.416 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 61355    | 24.197 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 47871    | 44.825 | ug/L # | 93       |
| 42) Toluene                   | 10.390 | 91   | 202685   | 25.584 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 56708    | 24.719 | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 32958    | 25.076 | ug/L   | 95       |
| 46) Tetrachloroethene         | 10.866 | 164  | 41072    | 23.440 | ug/L   | 91       |
| 48) 2-Hexanone                | 10.969 | 43   | 33388    | 43.338 | ug/L # | 95       |
| 49) Dibromochloromethane      | 11.128 | 129  | 41646    | 25.353 | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 11.238 | 107  | 33015    | 24.632 | ug/L # | 89       |
| 51) Chlorobenzene             | 11.658 | 112  | 135803   | 25.655 | ug/L   | 89       |
| 52) Ethylbenzene              | 11.731 | 91   | 230051   | 25.795 | ug/L   | 97       |
| 53) m,p-Xylene                | 11.841 | 106  | 92505    | 25.073 | ug/L   | 93       |
| 54) o-Xylene                  | 12.164 | 106  | 90315    | 25.963 | ug/L   | 99       |
| 55) Styrene                   | 12.176 | 104  | 158161   | 26.686 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 40882    | 25.861 | ug/L # | 98       |
| 59) Bromoform                 | 12.347 | 173  | 25845    | 25.078 | ug/L # | 98       |
| 60) Isopropylbenzene          | 12.463 | 105  | 253646   | 25.255 | ug/L   | 96       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 30557    | 25.242 | ug/L   | 93       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 219439   | 26.090 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 211685   | 25.024 | ug/L   | 95       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 116729   | 24.683 | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 116930   | 24.465 | ug/L   | 88       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 101891   | 24.199 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 6510     | 23.815 | ug/L # | 72       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 87881    | 25.285 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 67405    | 23.602 | ug/L   | 97       |
| 71) Naphthalene               | 15.359 | 128  | 140885   | 26.536 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 58987    | 23.666 | ug/L   | 96       |

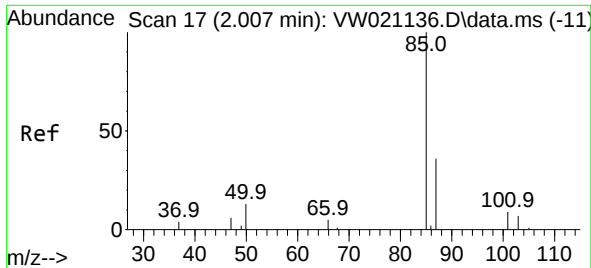
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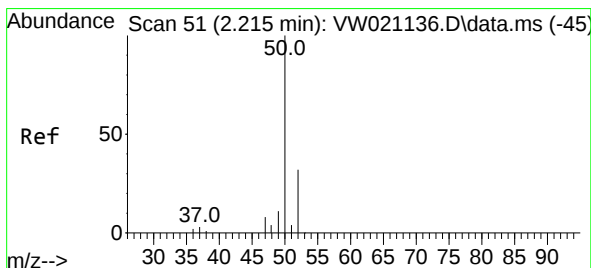
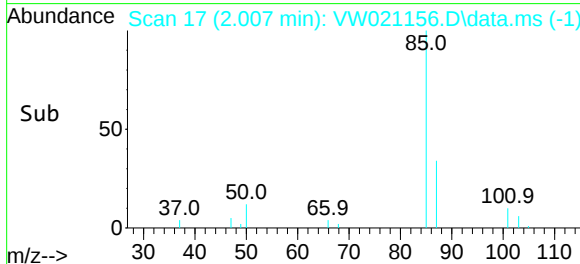
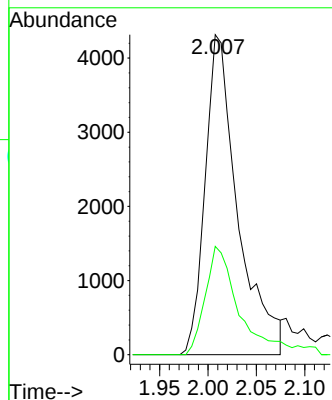
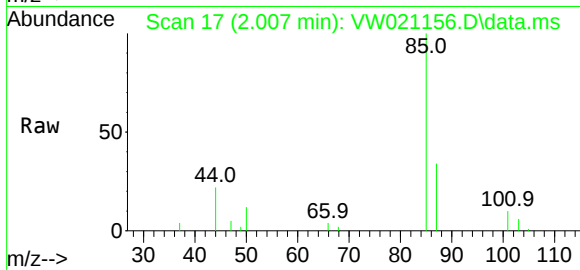




#2  
 Dichlorodifluoromethane  
 Concen: 17.428 ug/L  
 RT: 2.007 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VW021156.D  
 Acq: 05 Dec 2021 07:49

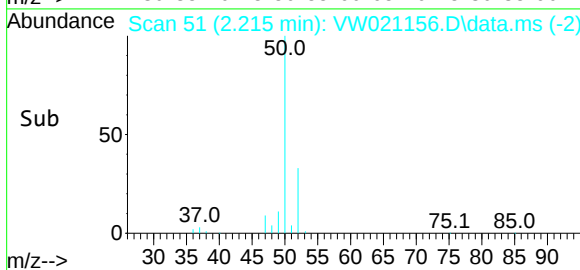
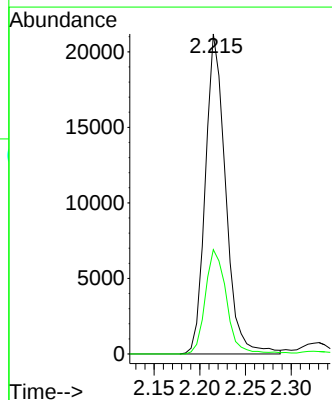
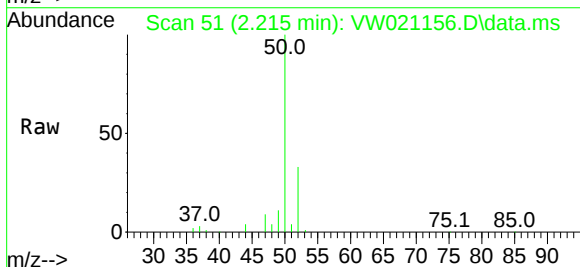
Instrument :  
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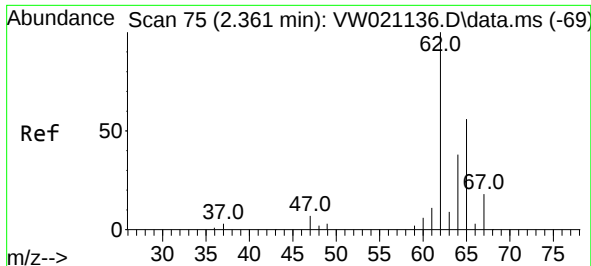
Tgt Ion: 85 Resp: 10161  
 Ion Ratio Lower Upper  
 85 100  
 87 33.1 25.8 38.6



#3  
 Chloromethane  
 Concen: 25.026 ug/L  
 RT: 2.215 min Scan# 51  
 Delta R.T. -0.000 min  
 Lab File: VW021156.D  
 Acq: 05 Dec 2021 07:49

Tgt Ion: 50 Resp: 32665  
 Ion Ratio Lower Upper  
 50 100  
 52 32.6 23.4 43.6

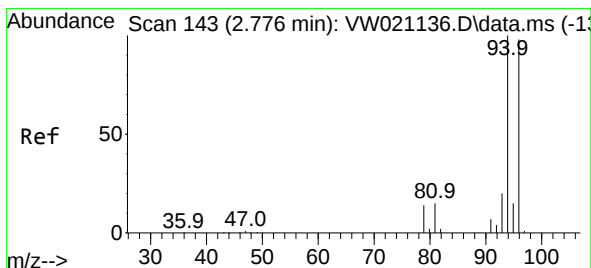
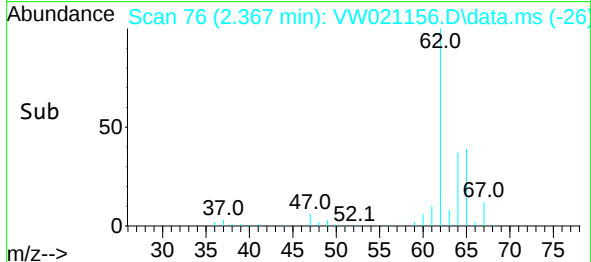
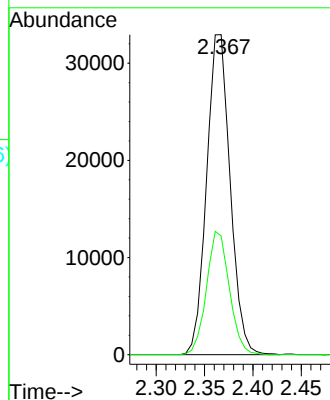
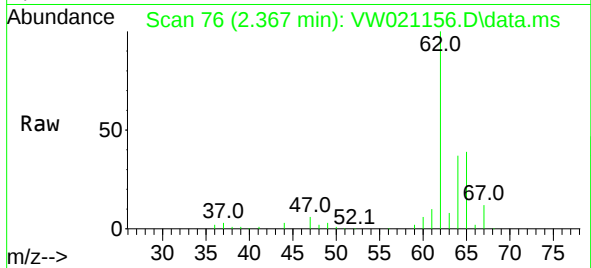




#5  
 Vinyl chloride  
 Concen: 24.625 ug/L  
 RT: 2.367 min Scan# 75  
 Delta R.T. 0.006 min  
 Lab File: VW021156.D  
 Acq: 05 Dec 2021 07:49

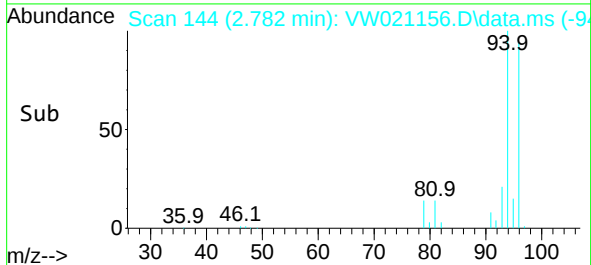
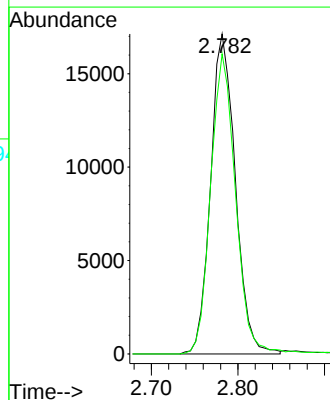
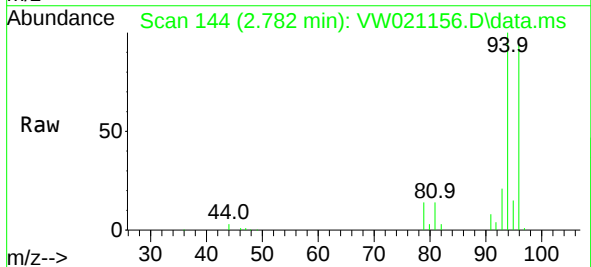
Instrument :  
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 ClientSampleId :

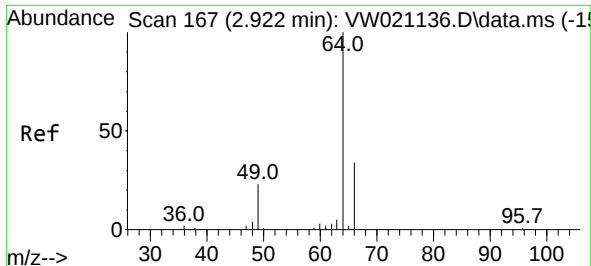
Tgt Ion: 62 Resp: 55837  
 Ion Ratio Lower Upper  
 62 100  
 64 37.0 24.4 45.2



#6  
 Bromomethane  
 Concen: 22.523 ug/L  
 RT: 2.782 min Scan# 144  
 Delta R.T. 0.006 min  
 Lab File: VW021156.D  
 Acq: 05 Dec 2021 07:49

Tgt Ion: 94 Resp: 33958  
 Ion Ratio Lower Upper  
 94 100  
 96 93.8 64.8 120.4





#8

Chloroethane

Concen: 25.778 ug/L

RT: 2.922 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021156.D

Acq: 05 Dec 2021 07:49

Instrument :

MSVOA\_W

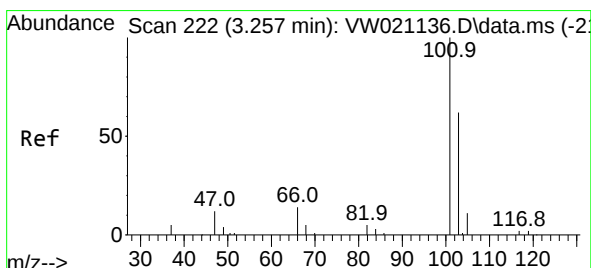
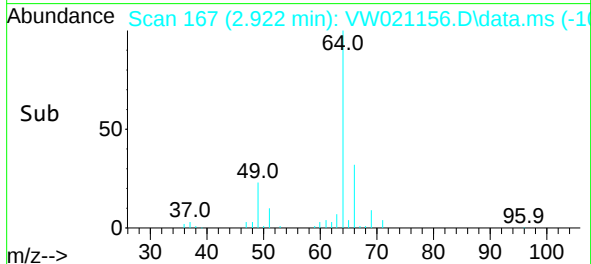
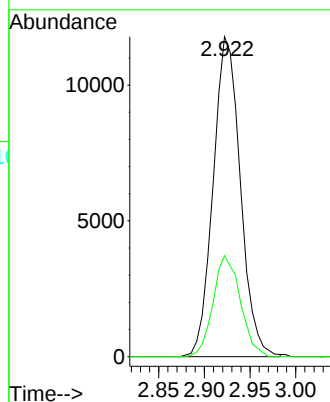
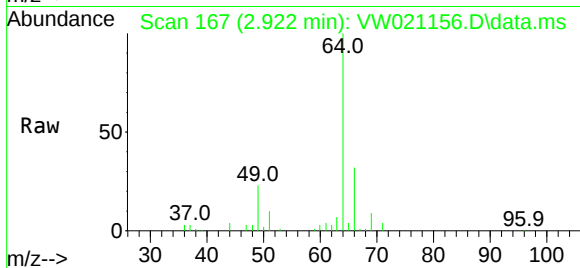
ClientSampleId :

Tgt Ion: 64 Resp: 24360

Ion Ratio Lower Upper

64 100

66 31.5 22.0 40.8



#9

Trichlorofluoromethane

Concen: 27.811 ug/L

RT: 3.263 min Scan# 223

Delta R.T. -0.000 min

Lab File: VW021156.D

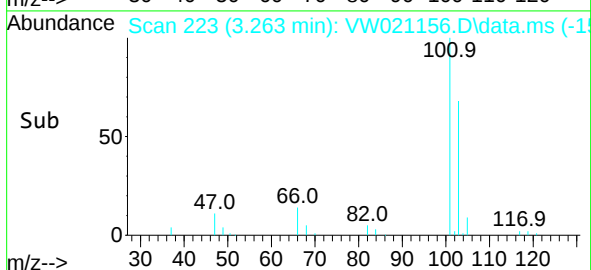
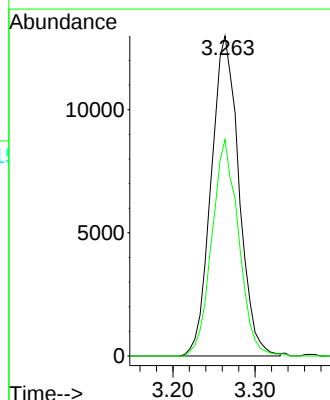
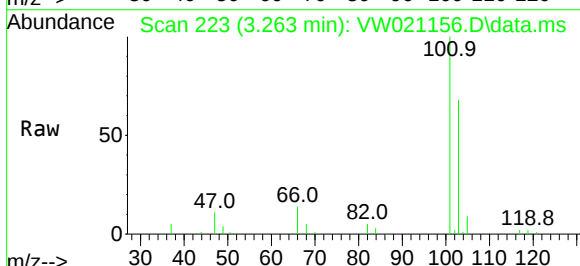
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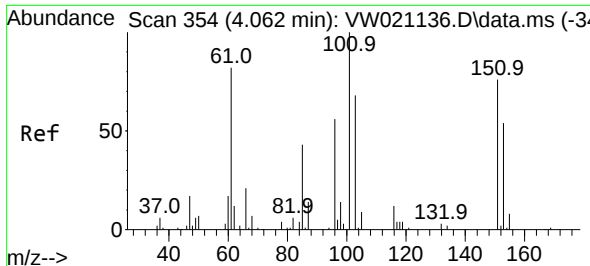
Tgt Ion: 101 Resp: 30449

Ion Ratio Lower Upper

101 100

103 64.8 51.4 77.2

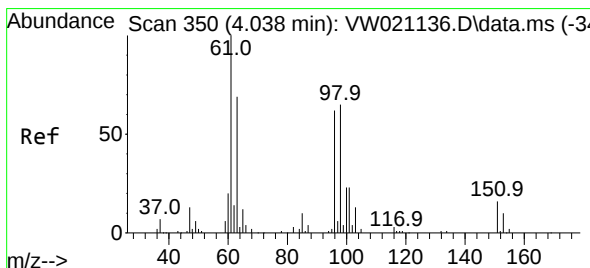
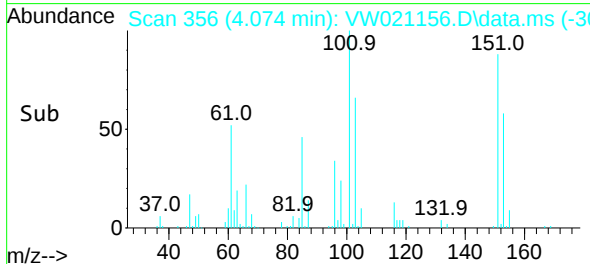
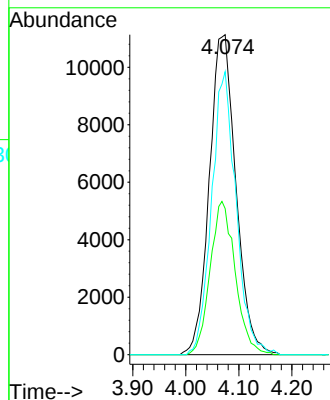
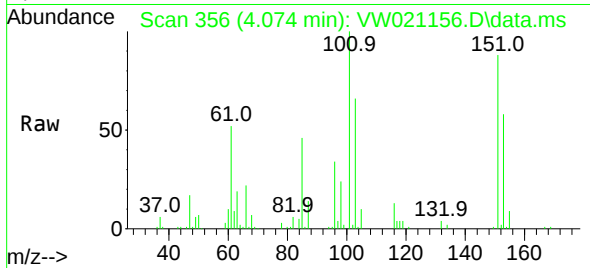




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 22.692 ug/L  
 RT: 4.074 min Scan# 310  
 Delta R.T. 0.012 min  
 Lab File: VW021156.D  
 Acq: 05 Dec 2021 07:49

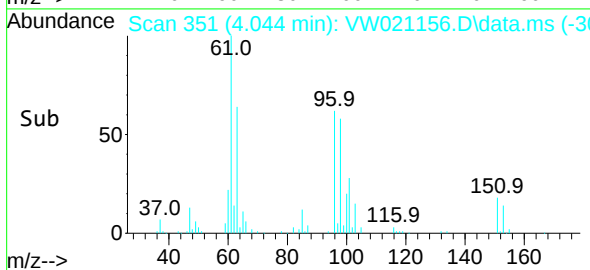
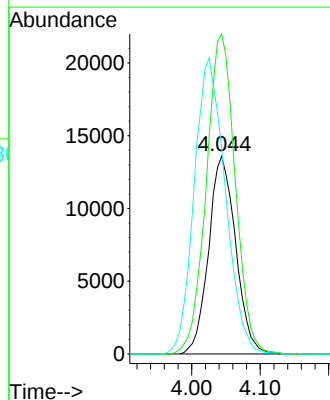
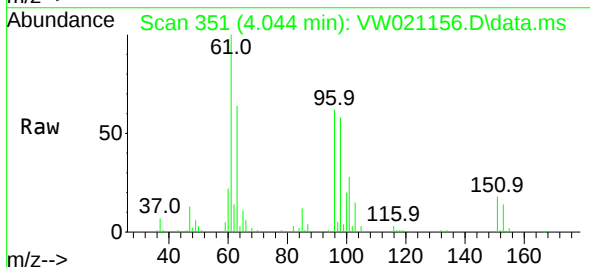
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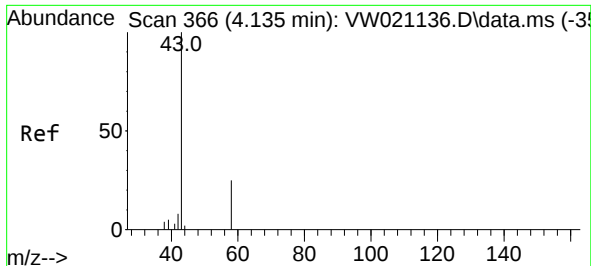
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 Ion Ratio Lower Upper  
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 85 45.2 36.6 54.8  
 151 81.1 57.4 86.0



#12  
 1,1-Dichloroethene  
 Concen: 24.042 ug/L  
 RT: 4.044 min Scan# 351  
 Delta R.T. -0.006 min  
 Lab File: VW021156.D  
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Tgt Ion: 96 Resp: 37249  
 Ion Ratio Lower Upper  
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 63 104.1 82.6 153.4

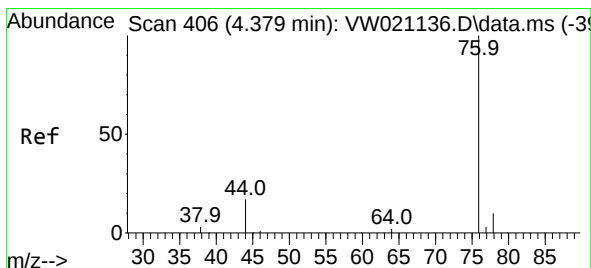
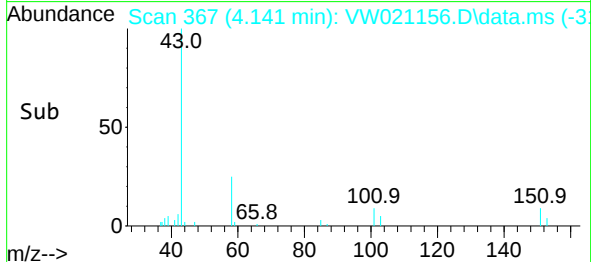
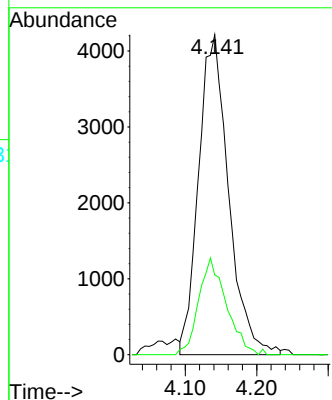
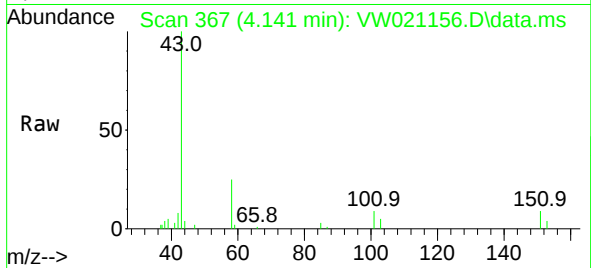




#13  
Acetone  
Concen: 35.530 ug/L  
RT: 4.141 min Scan# 307  
Delta R.T. 0.006 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49

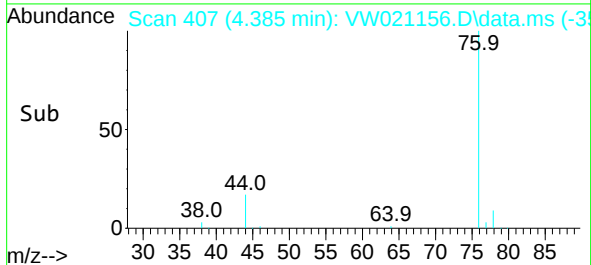
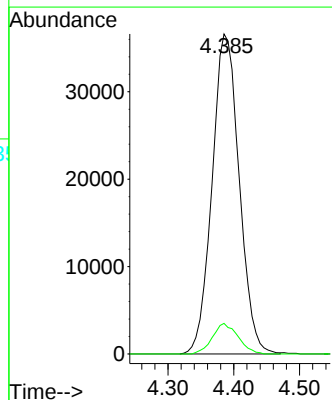
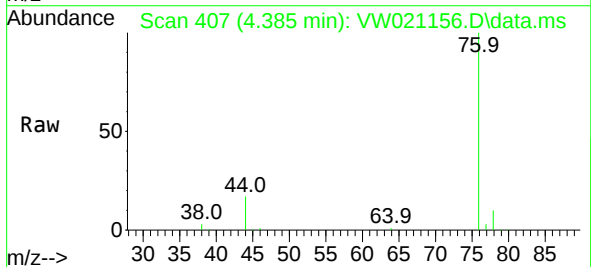
Instrument :  
MSVOA\_W  
ClientSampleId :

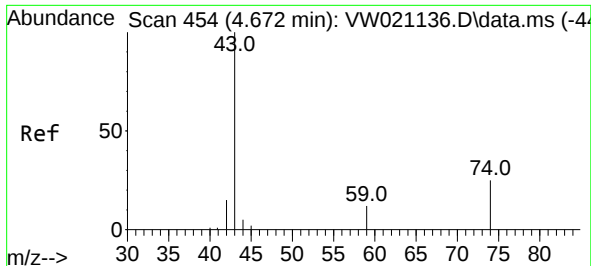
Tgt Ion: 43 Resp: 12277  
Ion Ratio Lower Upper  
43 100  
58 27.8 0.0 52.8



#14  
Carbon disulfide  
Concen: 24.438 ug/L  
RT: 4.385 min Scan# 407  
Delta R.T. -0.006 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49

Tgt Ion: 76 Resp: 105097  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.1 10.7

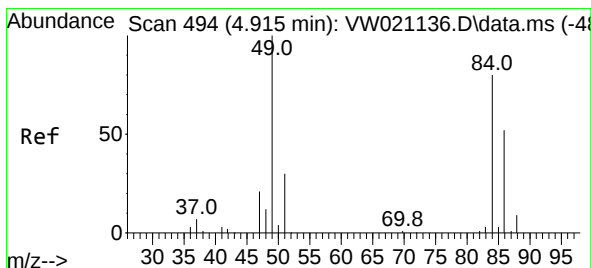
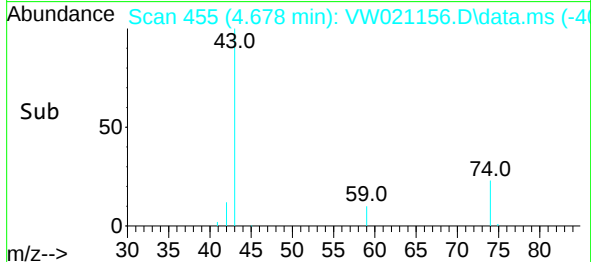
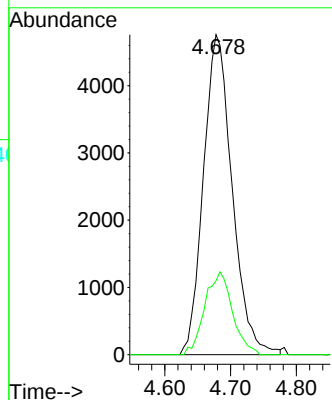
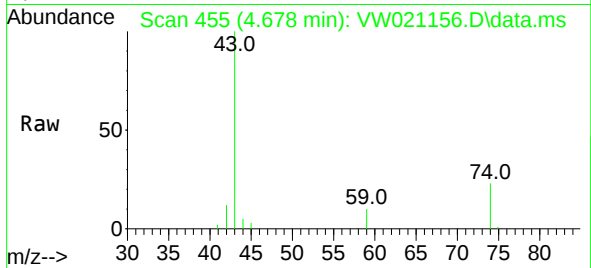




#15  
Methyl Acetate  
Concen: 23.070 ug/L  
RT: 4.678 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49

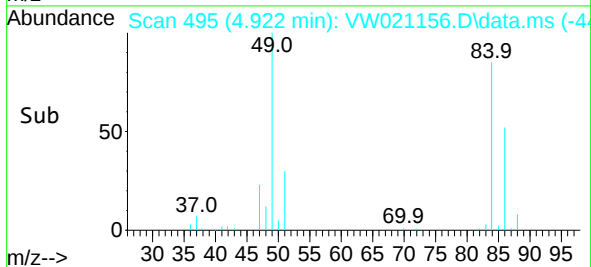
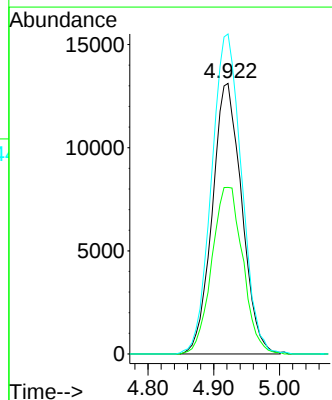
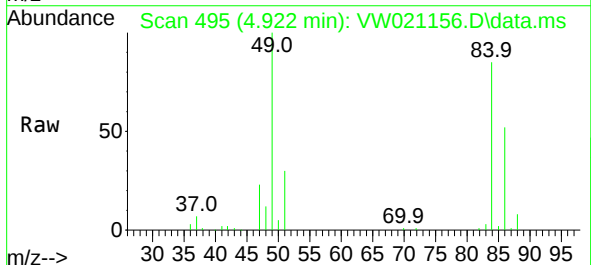
Instrument :  
MSVOA\_W  
ClientSampleId :

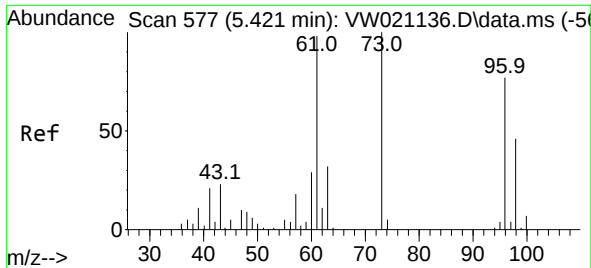
Tgt Ion: 43 Resp: 14454  
Ion Ratio Lower Upper  
43 100  
74 24.9 16.4 24.6#



#16  
Methylene chloride  
Concen: 21.755 ug/L  
RT: 4.922 min Scan# 495  
Delta R.T. 0.006 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49

Tgt Ion: 84 Resp: 40911  
Ion Ratio Lower Upper  
84 100  
86 61.6 45.5 84.5  
49 118.3 100.5 186.7

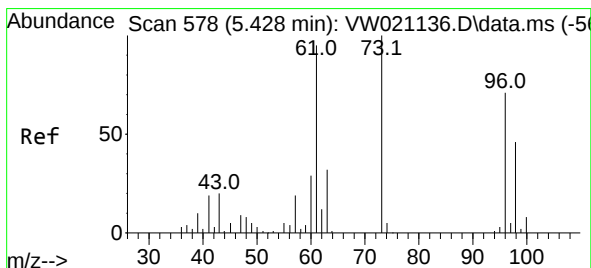
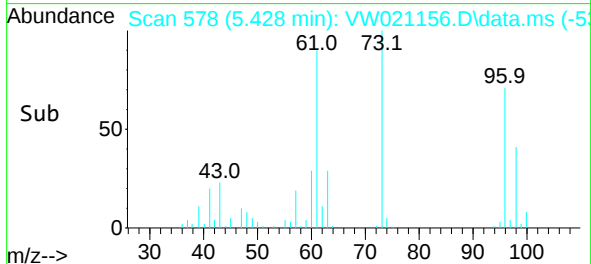
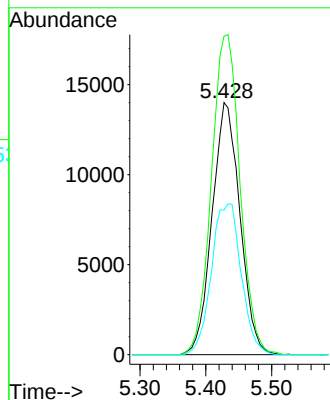
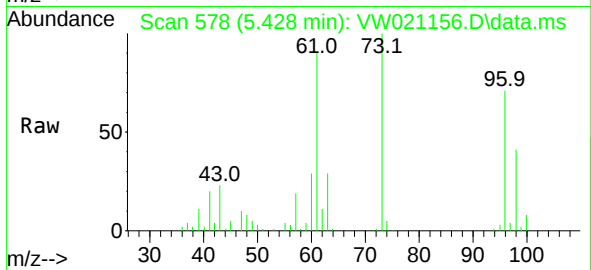




#17  
trans-1,2-Dichloroethene  
Concen: 25.017 ug/L  
RT: 5.428 min Scan# 577  
Delta R.T. -0.006 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49

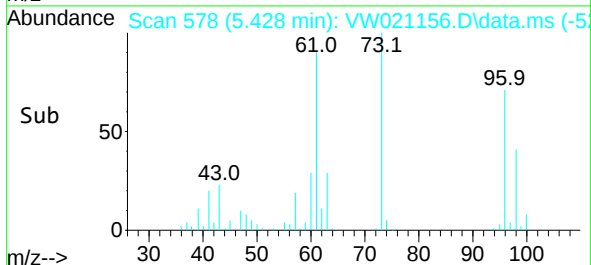
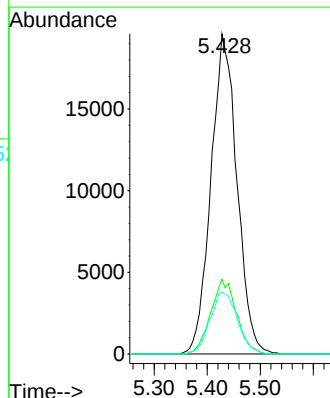
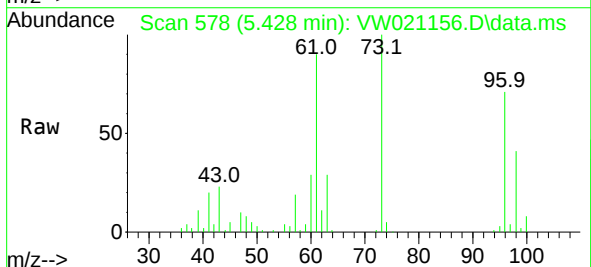
Instrument :  
MSVOA\_W  
ClientSampleId :

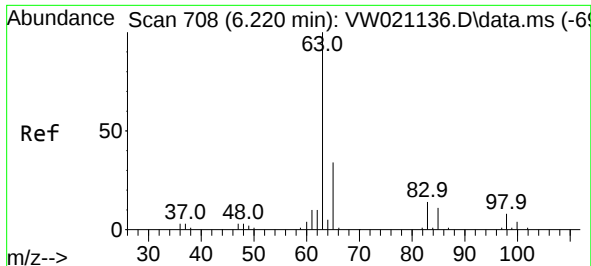
Tgt Ion: 96 Resp: 41268  
Ion Ratio Lower Upper  
96 100  
61 126.4 107.4 199.4  
98 57.4 41.2 76.6



#18  
Methyl tert-butyl Ether  
Concen: 26.821 ug/L  
RT: 5.428 min Scan# 578  
Delta R.T. -0.000 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49

Tgt Ion: 73 Resp: 66778  
Ion Ratio Lower Upper  
73 100  
43 23.1 19.5 29.3  
57 20.3 19.3 28.9





#19

1,1-Dichloroethane

Concen: 25.866 ug/L

RT: 6.220 min Scan# 708

Delta R.T. -0.000 min

Lab File: VW021156.D

Acq: 05 Dec 2021 07:49

Instrument :

MSVOA\_W

ClientSampleId :

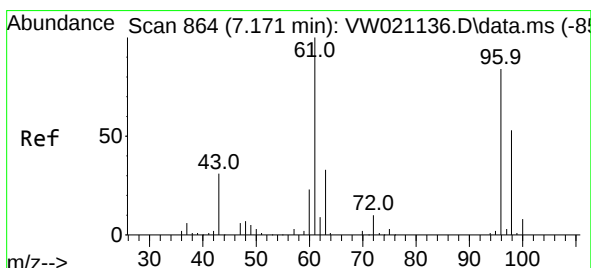
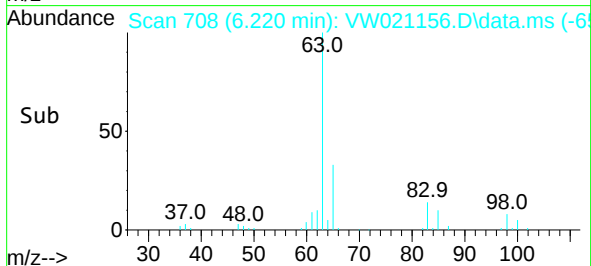
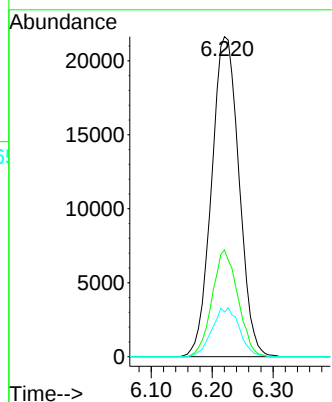
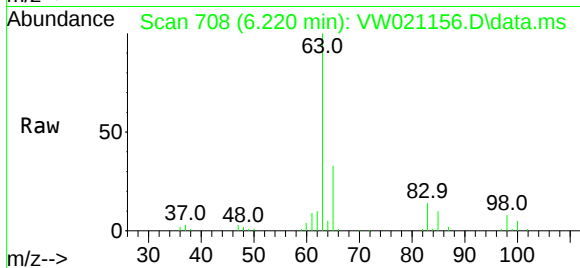
Tgt Ion: 63 Resp: 67660

Ion Ratio Lower Upper

63 100

65 33.4 22.1 41.1

83 14.0 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 26.281 ug/L

RT: 7.177 min Scan# 865

Delta R.T. 0.012 min

Lab File: VW021156.D

Acq: 05 Dec 2021 07:49

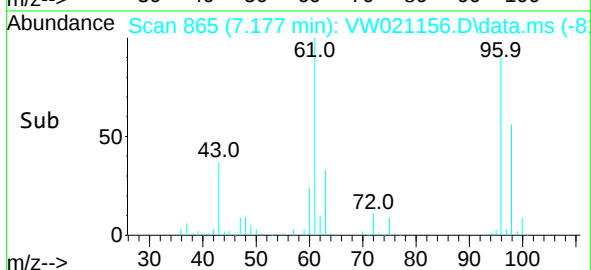
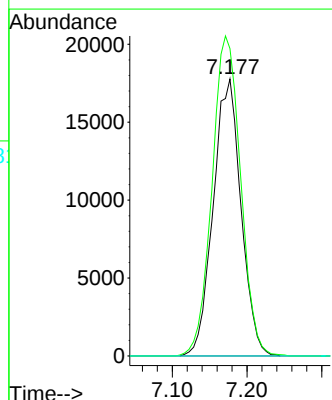
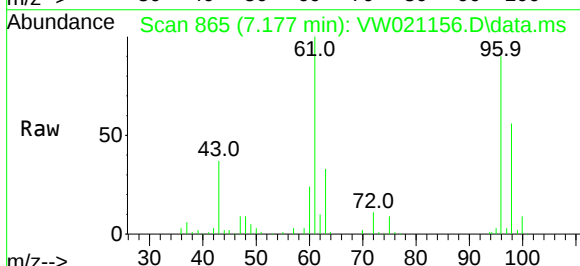
Tgt Ion: 96 Resp: 45994

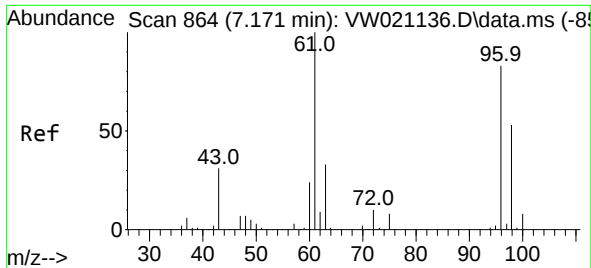
Ion Ratio Lower Upper

96 100

61 111.0 103.7 192.7

68 0.0 0.0 0.0

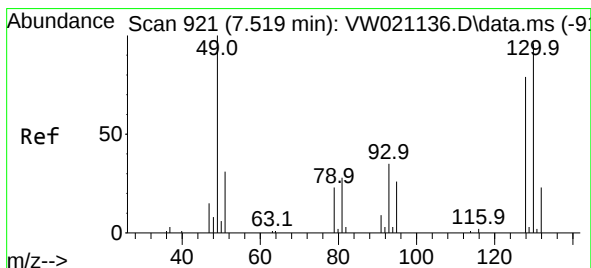
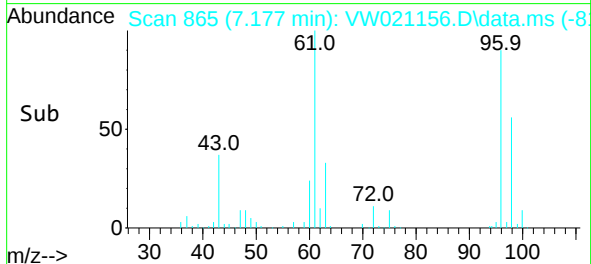
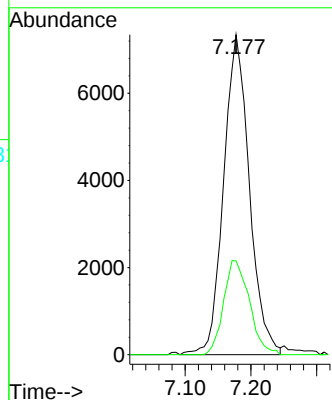
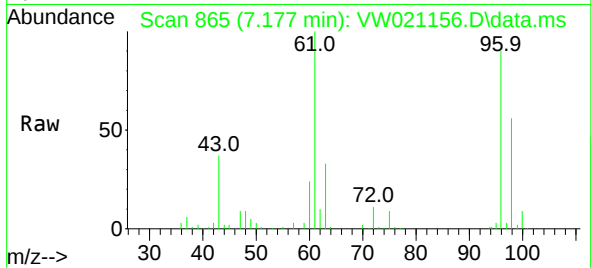




#22  
2-Butanone  
Concen: 41.842 ug/L  
RT: 7.177 min Scan# 864  
Delta R.T. 0.006 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49

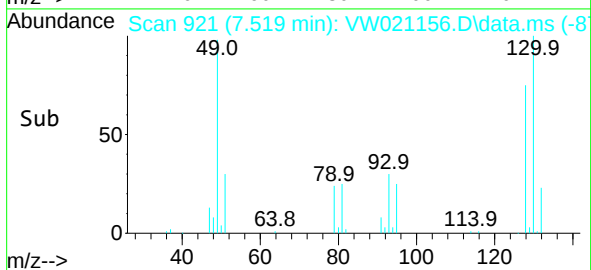
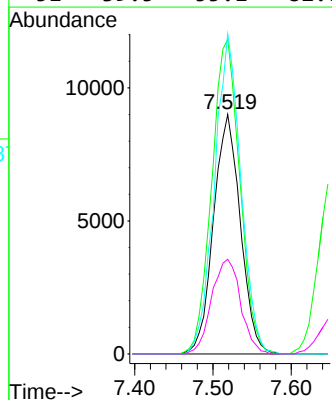
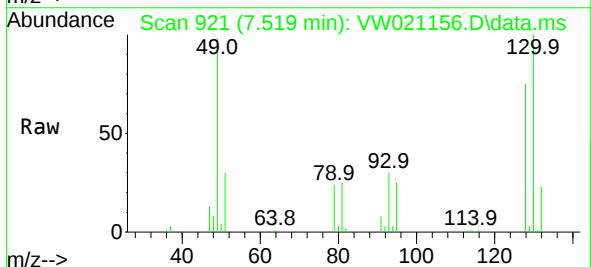
Instrument :  
MSVOA\_W  
ClientSampleId :

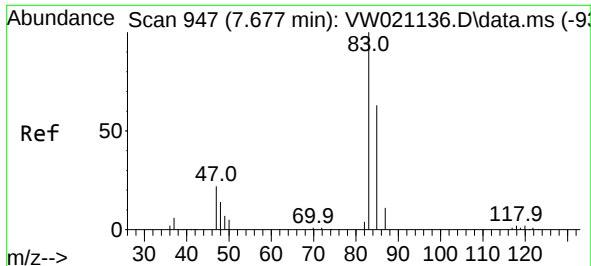
Tgt Ion: 43 Resp: 20008  
Ion Ratio Lower Upper  
43 100  
72 29.5 11.8 35.4



#23  
Bromochloromethane  
Concen: 26.228 ug/L  
RT: 7.519 min Scan# 921  
Delta R.T. -0.000 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49

Tgt Ion: 128 Resp: 21477  
Ion Ratio Lower Upper  
128 100  
49 131.5 150.3 279.1#  
130 133.6 88.3 163.9  
51 39.5 55.1 82.7#

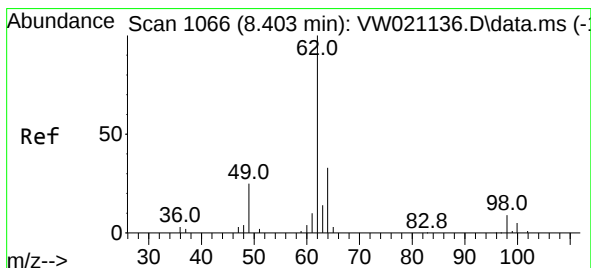
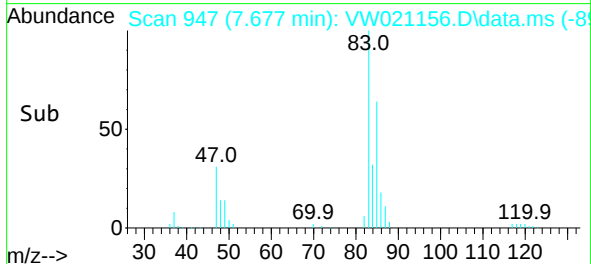
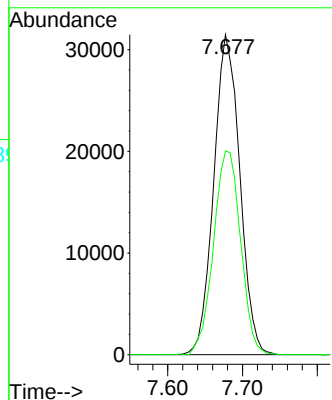
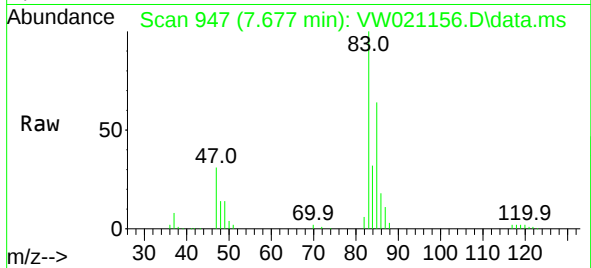




#25  
Chloroform  
Concen: 26.029 ug/L  
RT: 7.677 min Scan# 947  
Delta R.T. -0.000 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49

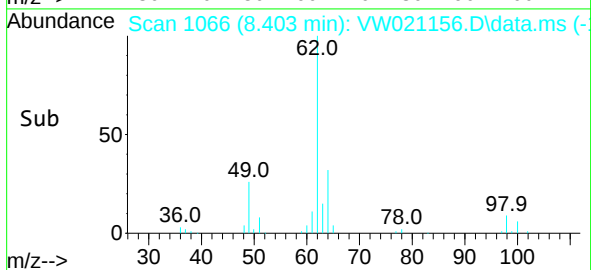
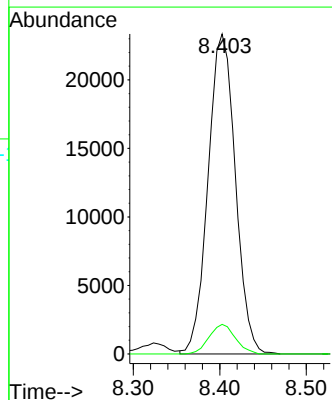
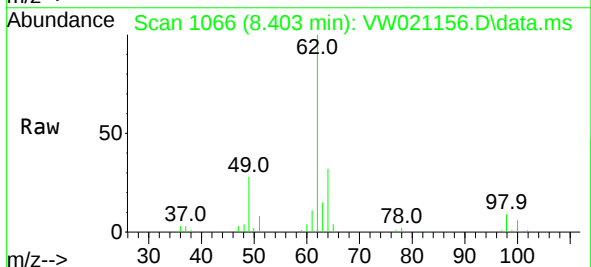
Instrument :  
MSVOA\_W  
ClientSampleId :

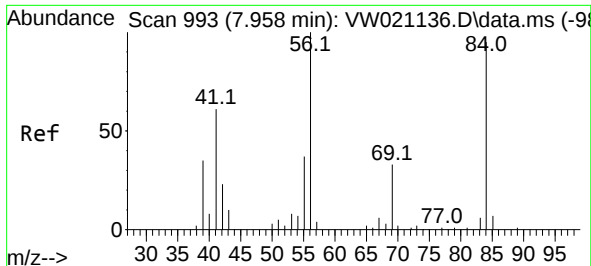
Tgt Ion: 83 Resp: 76430  
Ion Ratio Lower Upper  
83 100  
85 63.7 45.1 83.7



#27  
1,2-Dichloroethane  
Concen: 26.623 ug/L  
RT: 8.403 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49

Tgt Ion: 62 Resp: 51138  
Ion Ratio Lower Upper  
62 100  
98 9.2 6.5 9.7





#29

Cyclohexane

Concen: 22.272 ug/L

RT: 7.958 min Scan# 993

Delta R.T. -0.000 min

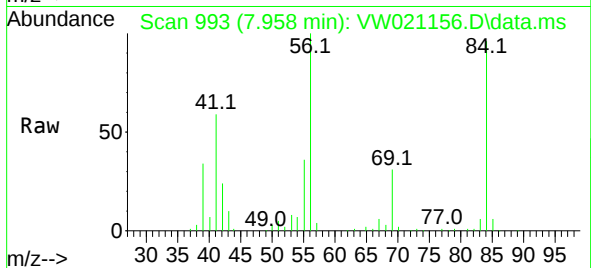
Lab File: VW021156.D

Acq: 05 Dec 2021 07:49

Instrument :

MSVOA\_W

ClientSampleId :



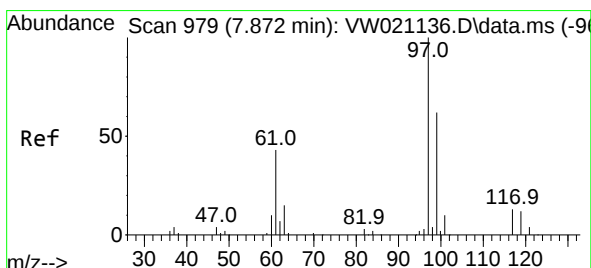
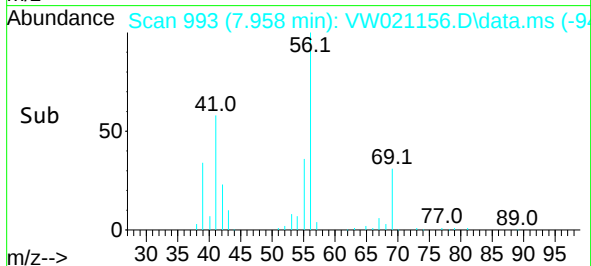
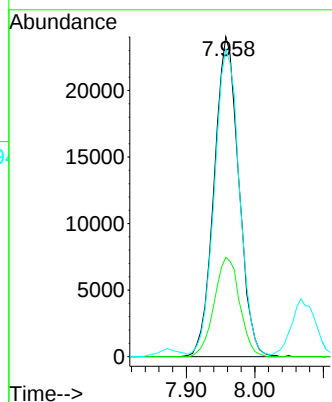
Tgt Ion: 56 Resp: 59927

Ion Ratio Lower Upper

56 100

69 32.0 23.5 35.3

84 98.0 63.4 95.2#



#30

1,1,1-Trichloroethane

Concen: 23.846 ug/L

RT: 7.872 min Scan# 979

Delta R.T. -0.000 min

Lab File: VW021156.D

Acq: 05 Dec 2021 07:49

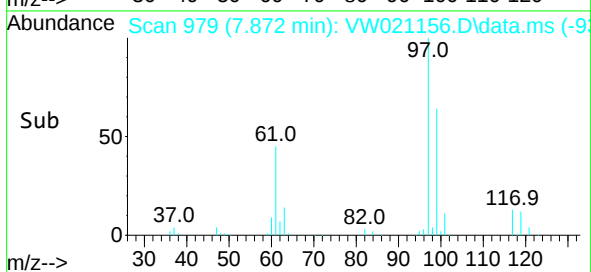
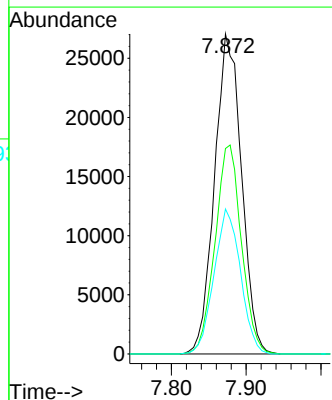
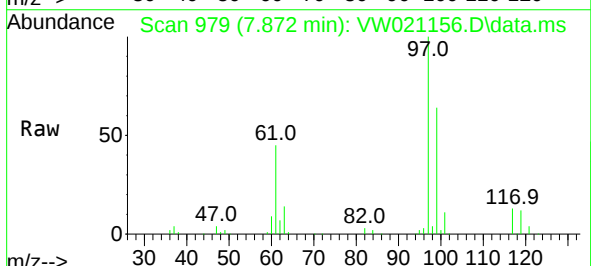
Tgt Ion: 97 Resp: 67814

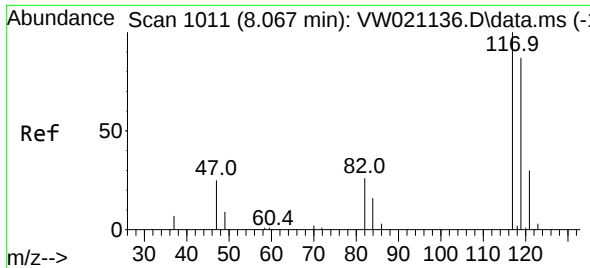
Ion Ratio Lower Upper

97 100

99 64.0 51.6 77.4

61 44.5 40.9 61.3

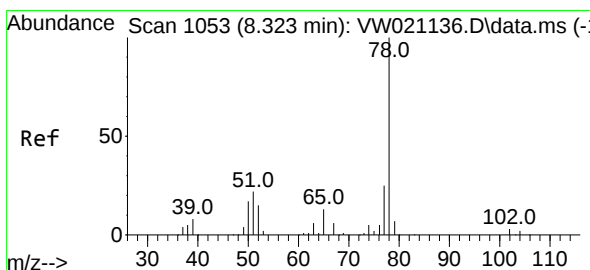
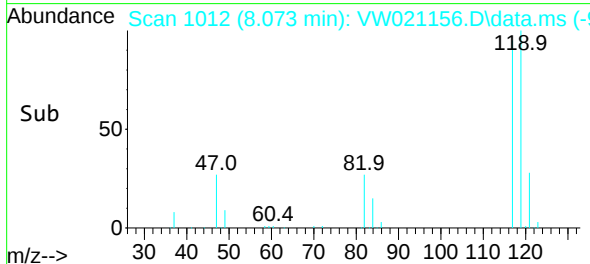
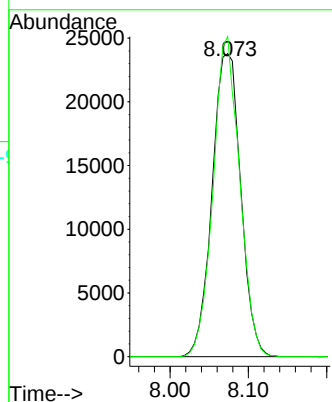
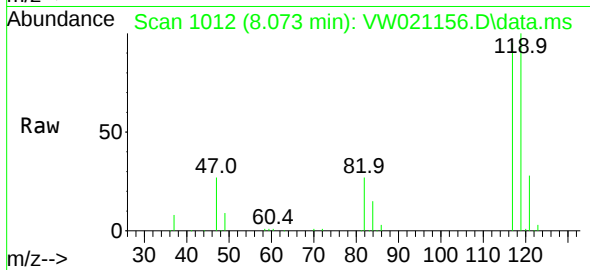




#31  
Carbon tetrachloride  
Concen: 22.881 ug/L  
RT: 8.073 min Scan# 1011  
Delta R.T. -0.000 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49

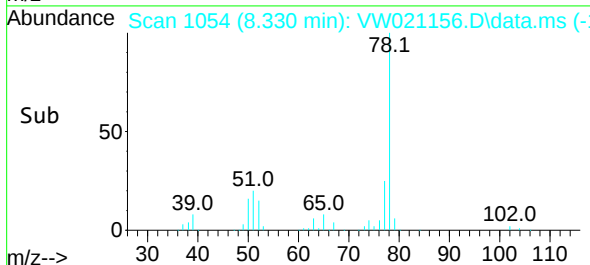
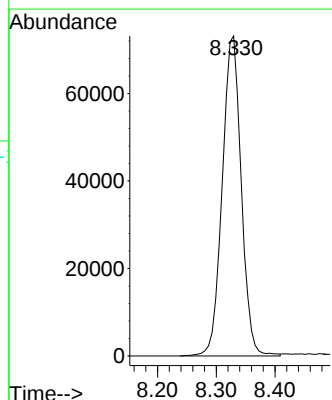
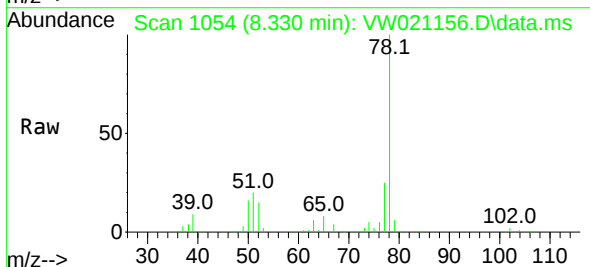
Instrument :  
MSVOA\_W  
ClientSampleId :

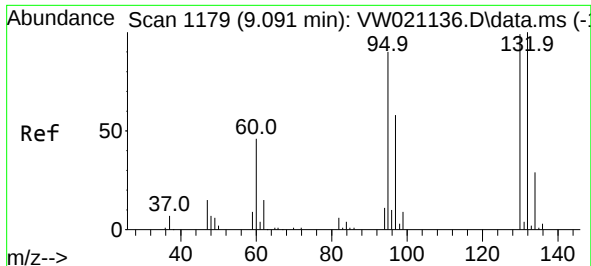
Tgt Ion:117 Resp: 60466  
Ion Ratio Lower Upper  
117 100  
119 98.1 75.7 113.5



#33  
Benzene  
Concen: 23.702 ug/L  
RT: 8.330 min Scan# 1054  
Delta R.T. 0.006 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49

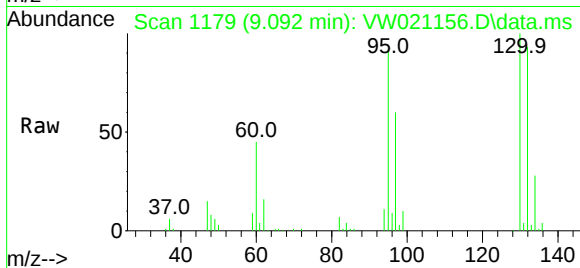
Tgt Ion: 78 Resp: 164397



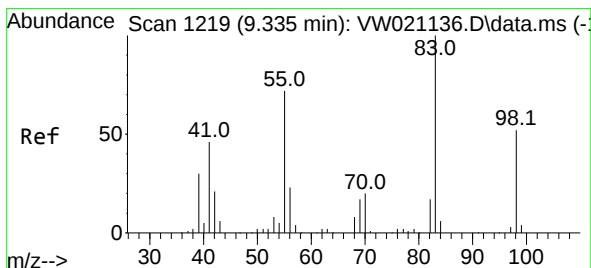
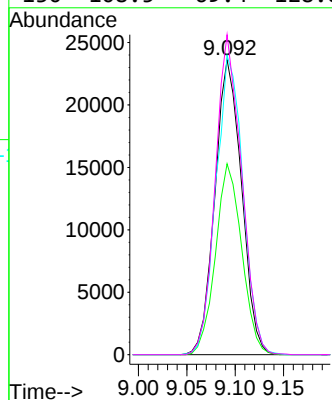
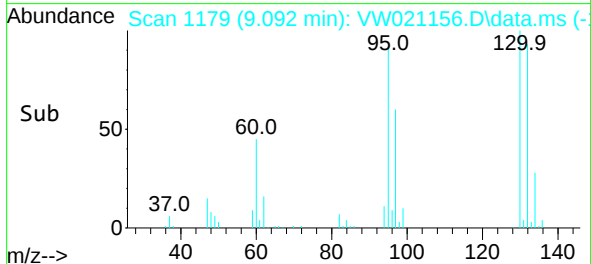


#34  
Trichloroethene  
Concen: 23.665 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49

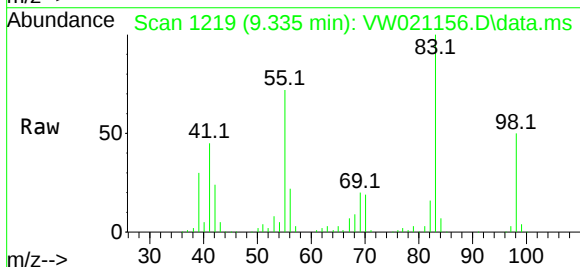
Instrument :  
MSVOA\_W  
ClientSampleId :



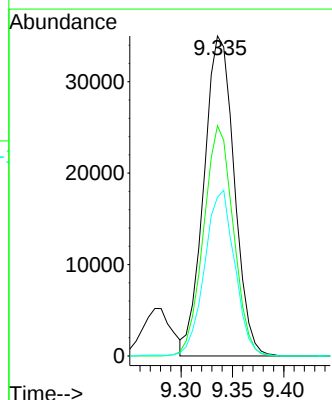
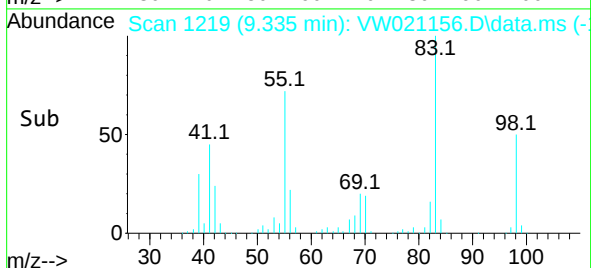
Tgt Ion: 95 Resp: 45283  
Ion Ratio Lower Upper  
95 100  
97 64.8 47.0 87.2  
132 101.5 65.5 121.6  
130 108.5 69.4 128.8

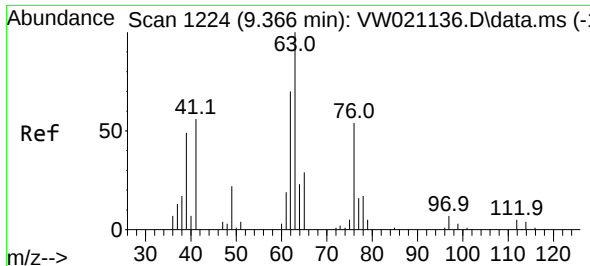


#35  
Methylcyclohexane  
Concen: 22.335 ug/L  
RT: 9.335 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49



Tgt Ion: 83 Resp: 71938  
Ion Ratio Lower Upper  
83 100  
55 70.4 70.8 106.2#  
98 51.3 37.7 56.5





#37

1,2-Dichloropropane

Concen: 23.866 ug/L

RT: 9.372 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW021156.D

Acq: 05 Dec 2021 07:49

Instrument :

MSVOA\_W

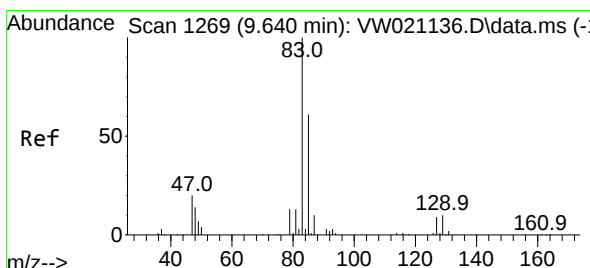
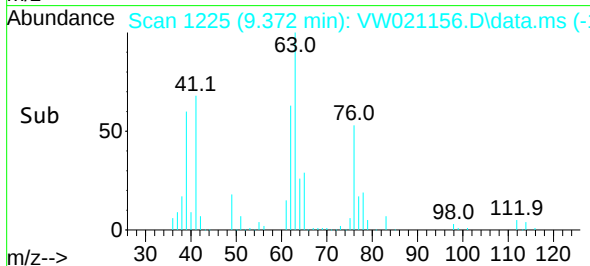
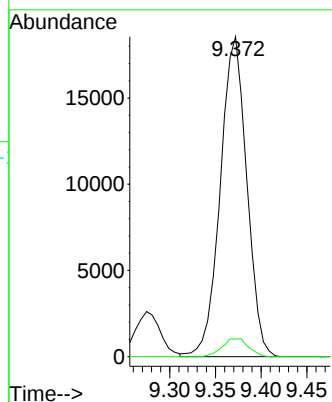
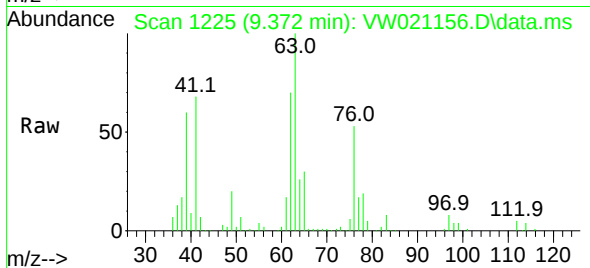
ClientSampleId :

Tgt Ion: 63 Resp: 37414

Ion Ratio Lower Upper

63 100

112 5.6 3.2 4.8#



#38

Bromodichloromethane

Concen: 24.416 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VW021156.D

Acq: 05 Dec 2021 07:49

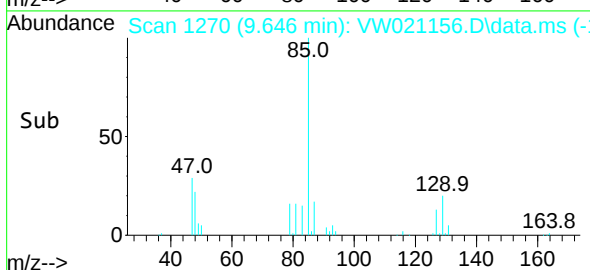
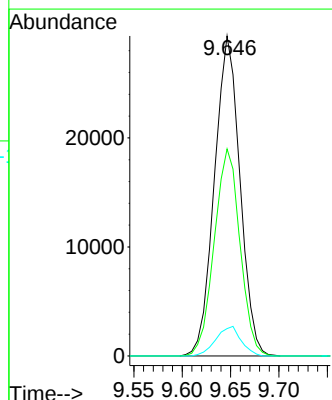
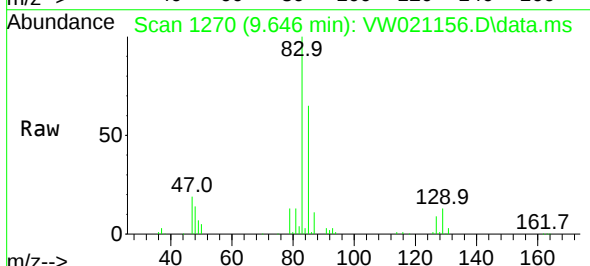
Tgt Ion: 83 Resp: 53805

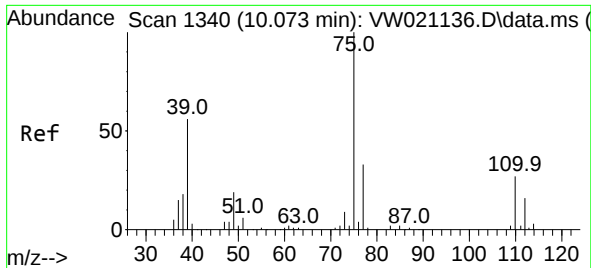
Ion Ratio Lower Upper

83 100

85 64.7 44.1 81.9

127 8.5 6.1 9.1





#39

cis-1,3-Dichloropropene

Concen: 24.197 ug/L

RT: 10.073 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021156.D

Acq: 05 Dec 2021 07:49

Instrument :

MSVOA\_W

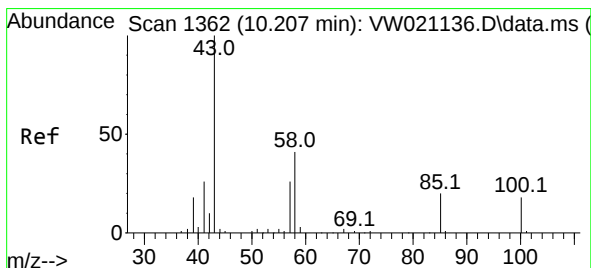
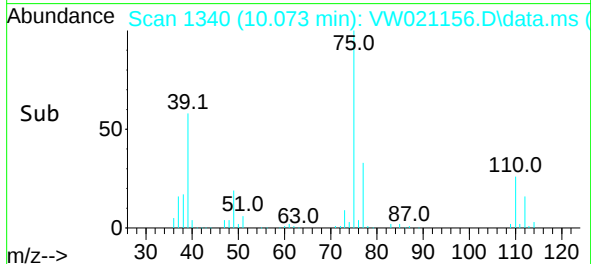
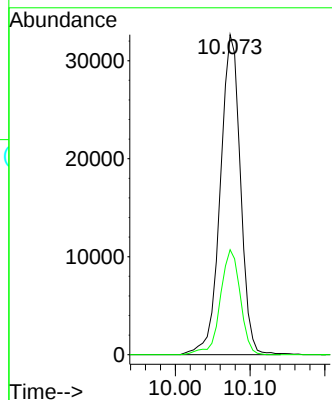
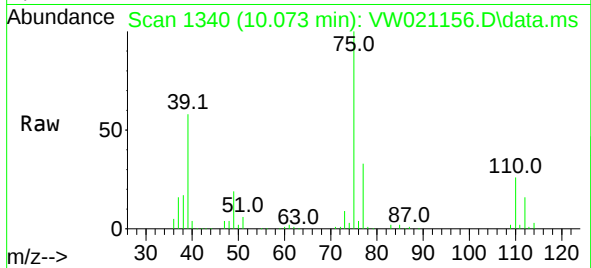
ClientSampleId :

Tgt Ion: 75 Resp: 61355

Ion Ratio Lower Upper

75 100

77 32.8 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 44.825 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VW021156.D

Acq: 05 Dec 2021 07:49

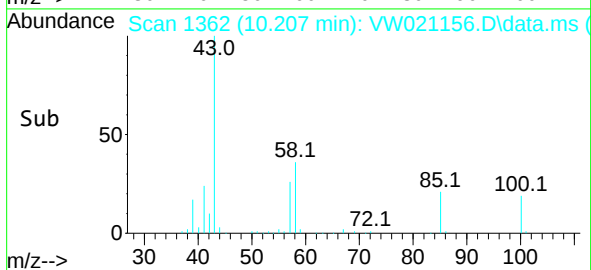
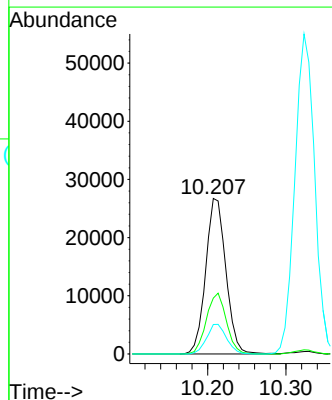
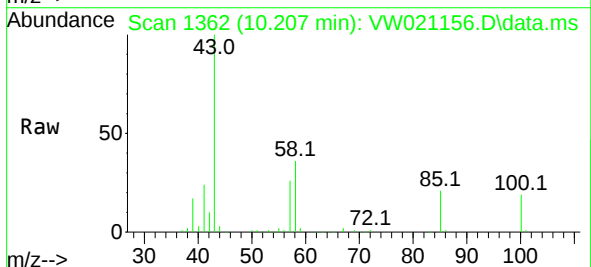
Tgt Ion: 43 Resp: 47871

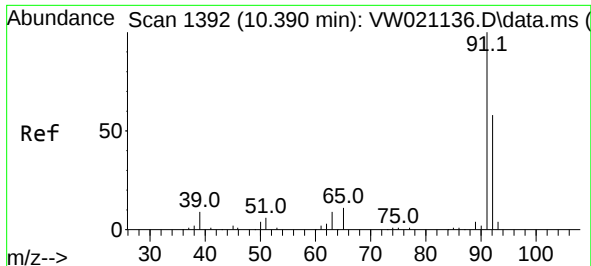
Ion Ratio Lower Upper

43 100

58 38.5 28.8 43.2

100 18.7 10.0 15.0#





#42

Toluene

Concen: 25.584 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. -0.000 min

Lab File: VW021156.D

Acq: 05 Dec 2021 07:49

Instrument :

MSVOA\_W

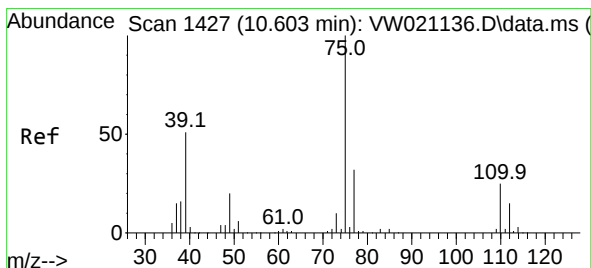
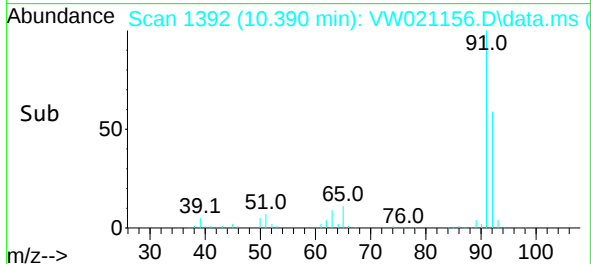
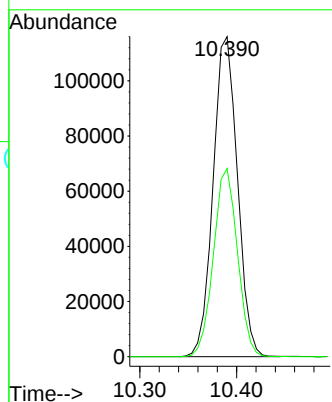
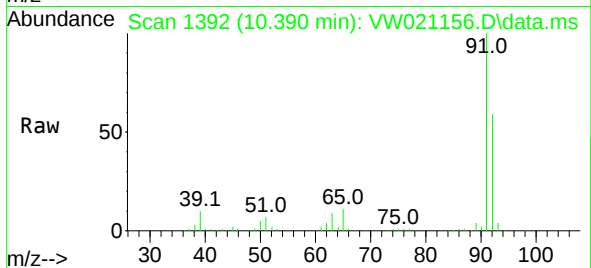
ClientSampleId :

Tgt Ion: 91 Resp: 202685

Ion Ratio Lower Upper

91 100

92 58.8 41.7 77.5



#44

trans-1,3-Dichloropropene

Concen: 24.719 ug/L

RT: 10.604 min Scan# 1427

Delta R.T. -0.000 min

Lab File: VW021156.D

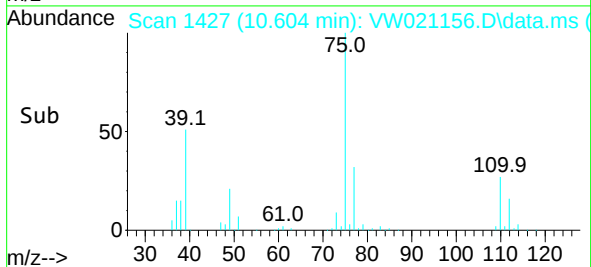
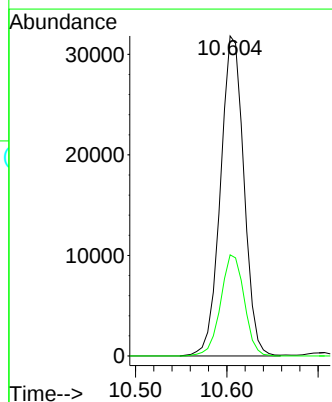
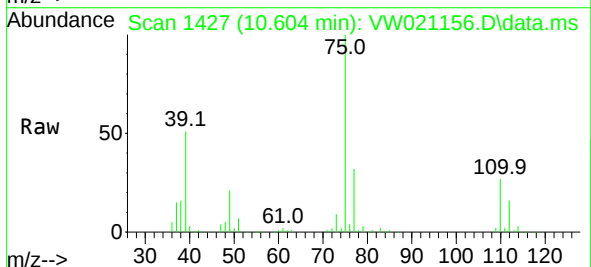
Acq: 05 Dec 2021 07:49

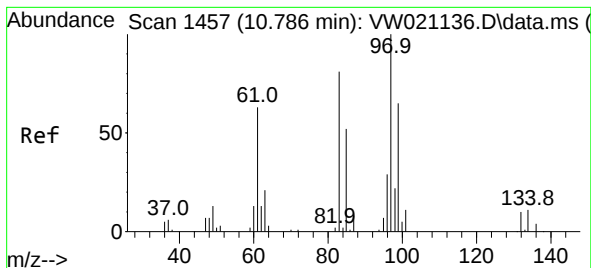
Tgt Ion: 75 Resp: 56708

Ion Ratio Lower Upper

75 100

77 31.6 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 25.076 ug/L

RT: 10.786 min Scan# 14

Delta R.T. -0.000 min

Lab File: VW021156.D

Acq: 05 Dec 2021 07:49

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 97 Resp: 32958

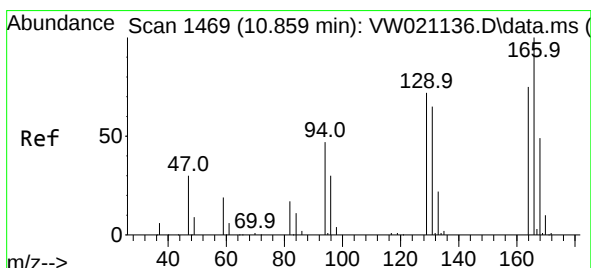
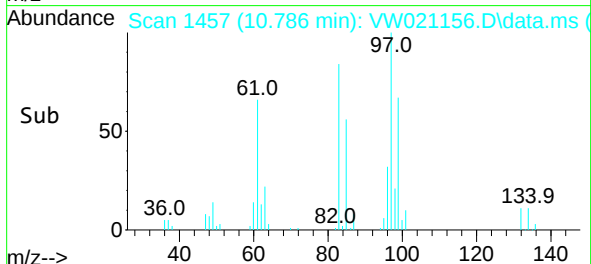
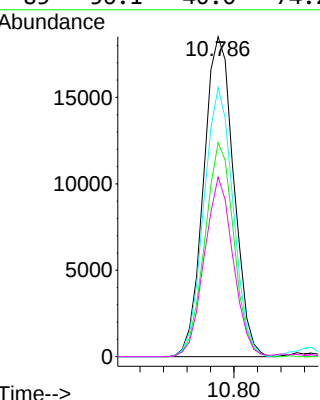
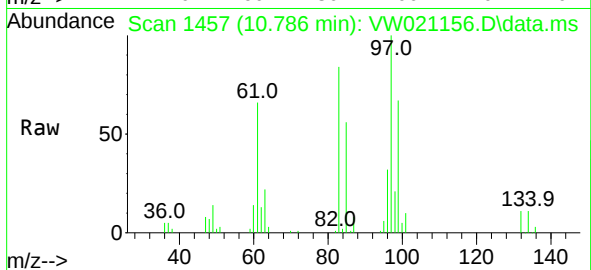
Ion Ratio Lower Upper

97 100

99 66.9 43.0 79.8

83 84.1 62.6 116.3

85 56.1 40.0 74.2



#46

Tetrachloroethene

Concen: 23.440 ug/L

RT: 10.866 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VW021156.D

Acq: 05 Dec 2021 07:49

Tgt Ion:164 Resp: 41072

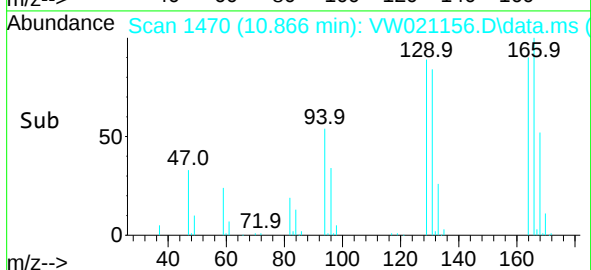
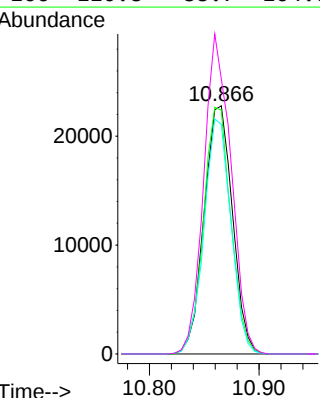
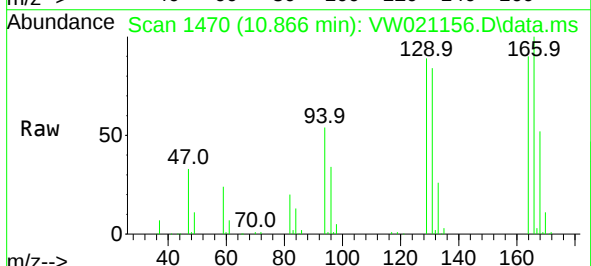
Ion Ratio Lower Upper

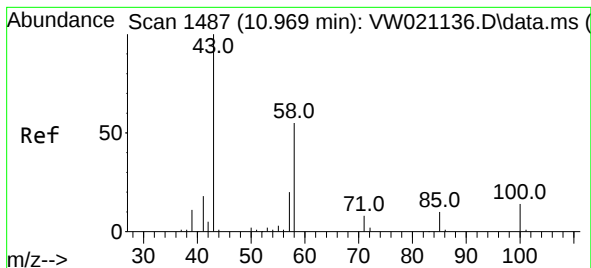
164 100

129 98.2 65.5 121.7

131 92.5 59.7 110.9

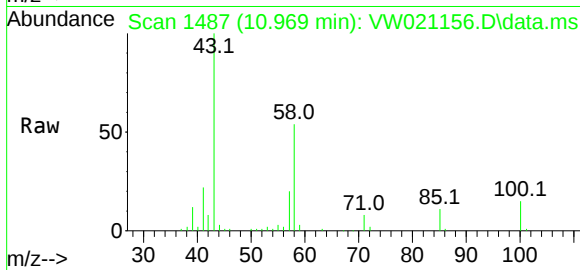
166 110.8 88.7 164.7



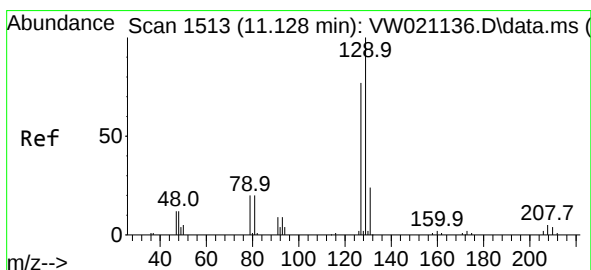
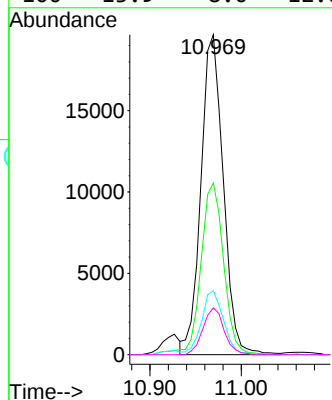
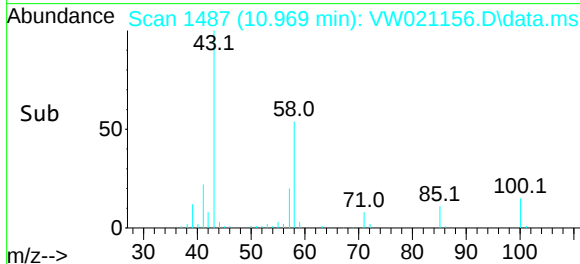


#48  
2-Hexanone  
Concen: 43.338 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49

Instrument :  
MSVOA\_W  
ClientSampleId :

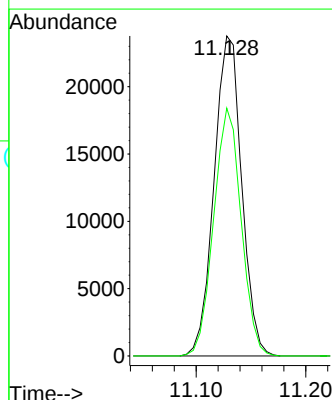
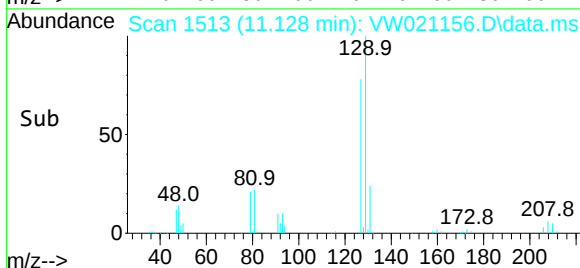
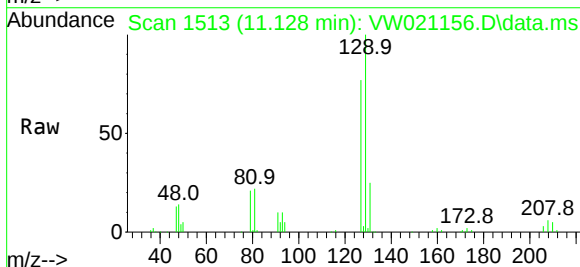


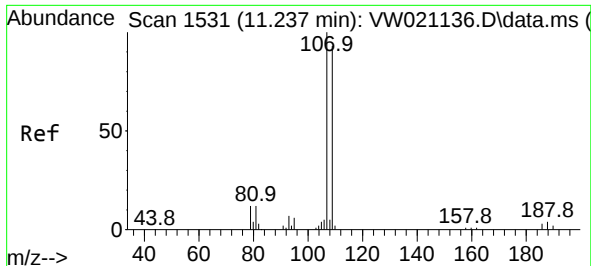
Tgt Ion: 43 Resp: 33388  
Ion Ratio Lower Upper  
43 100  
58 53.1 40.2 60.2  
57 19.6 14.3 21.5  
100 13.9 8.0 12.0#



#49  
Dibromochloromethane  
Concen: 25.353 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. -0.000 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49

Tgt Ion: 129 Resp: 41646  
Ion Ratio Lower Upper  
129 100  
127 77.4 55.7 103.5





#50

1,2-Dibromoethane

Concen: 24.632 ug/L

RT: 11.238 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW021156.D

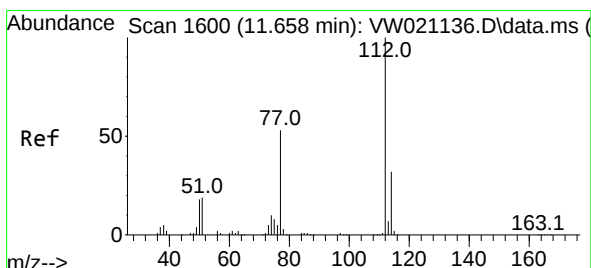
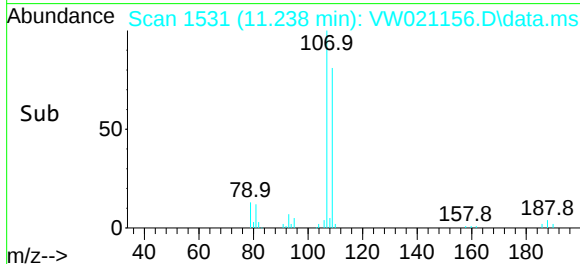
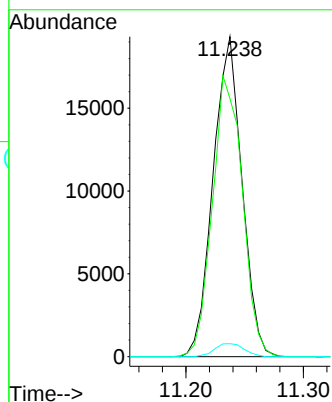
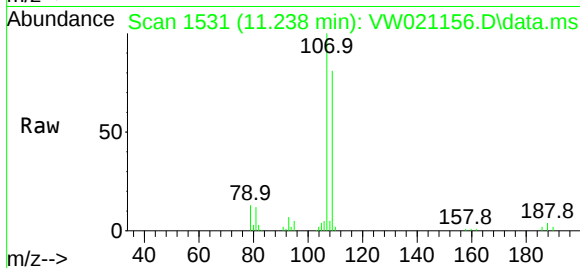
Acq: 05 Dec 2021 07:49

Instrument :

MSVOA\_W

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 33015 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 80.7  | 64.1  | 119.1 |
| 188      | 4.1   | 2.6   | 3.8#  |



#51

Chlorobenzene

Concen: 25.655 ug/L

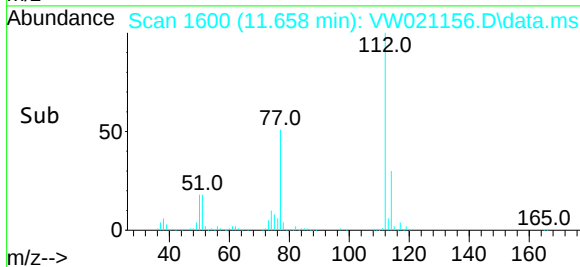
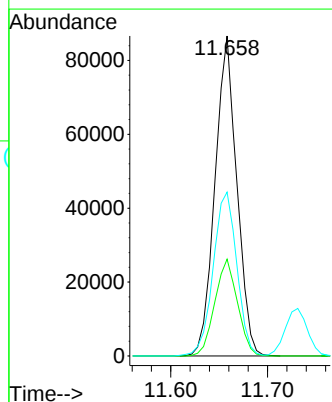
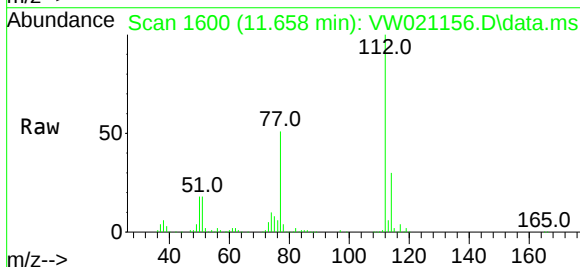
RT: 11.658 min Scan# 1600

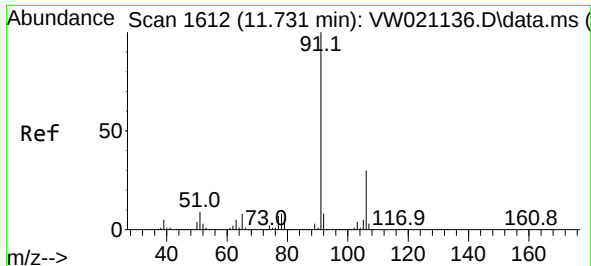
Delta R.T. -0.000 min

Lab File: VW021156.D

Acq: 05 Dec 2021 07:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 135803 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 30.3  | 22.4  | 41.6   |
| 77       | 51.2  | 50.2  | 75.4   |

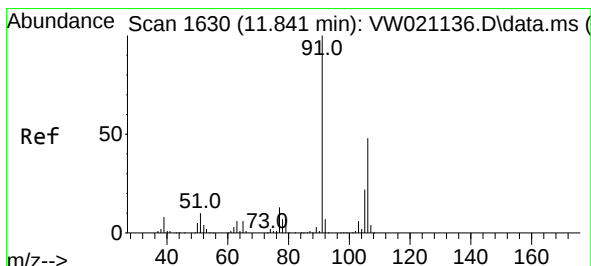
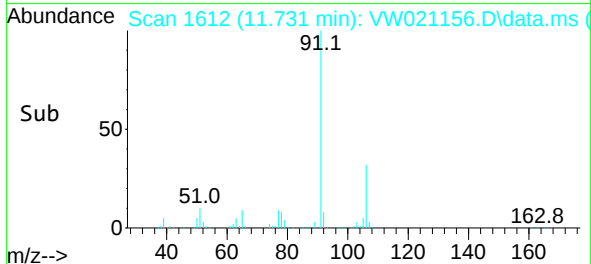
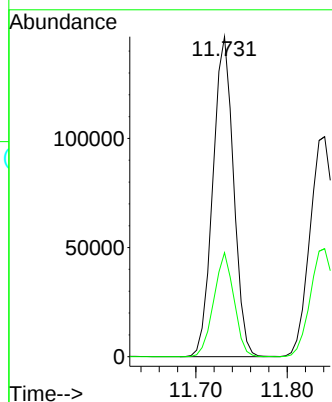
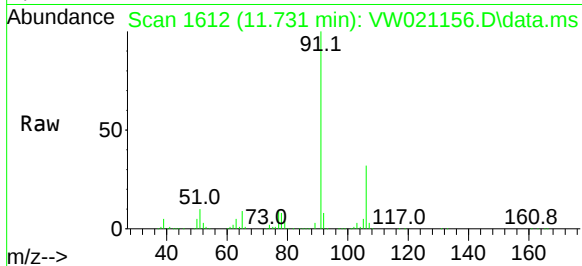




#52  
Ethylbenzene  
Concen: 25.795 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. -0.000 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49

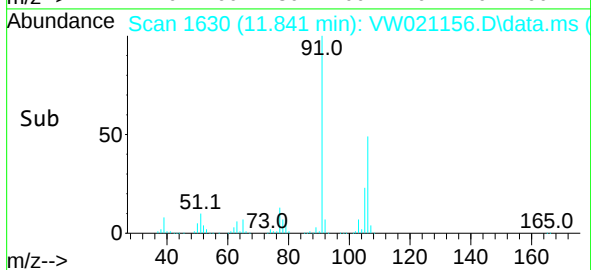
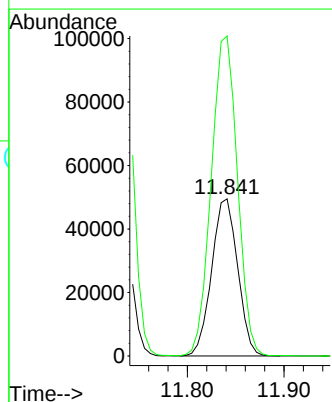
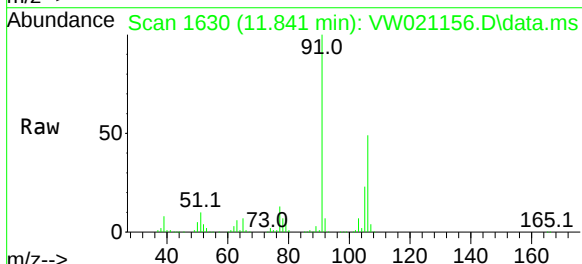
Instrument :  
MSVOA\_W  
ClientSampleId :

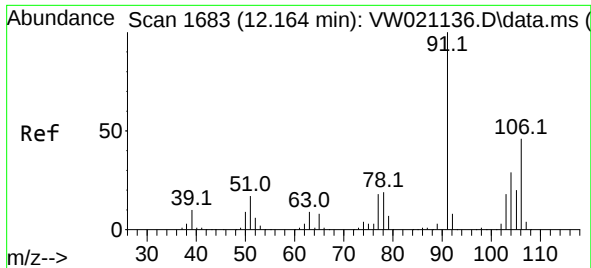
Tgt Ion: 91 Resp: 230051  
Ion Ratio Lower Upper  
91 100  
106 32.5 21.5 39.9



#53  
m,p-Xylene  
Concen: 25.073 ug/L  
RT: 11.841 min Scan# 1630  
Delta R.T. -0.000 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49

Tgt Ion: 106 Resp: 92505  
Ion Ratio Lower Upper  
106 100  
91 203.6 149.9 278.3

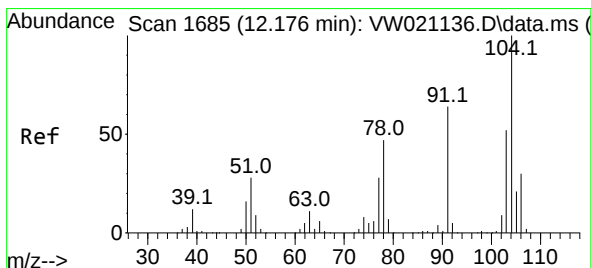
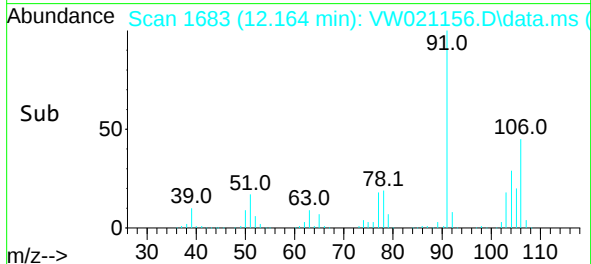
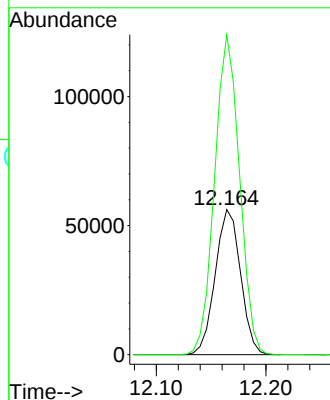
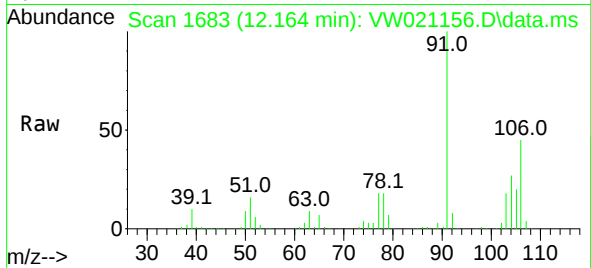




#54  
o-Xylene  
Concen: 25.963 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49

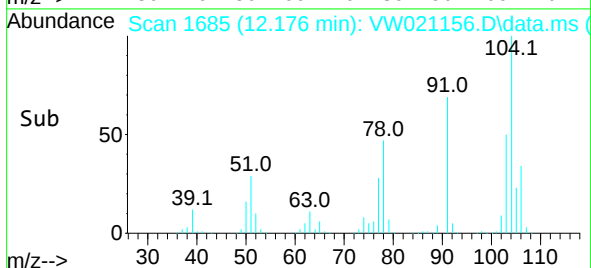
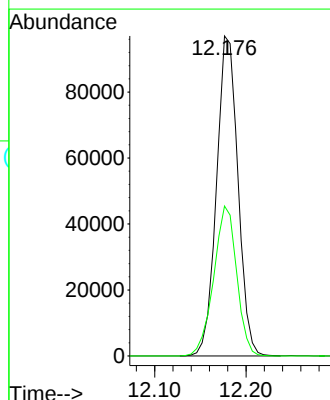
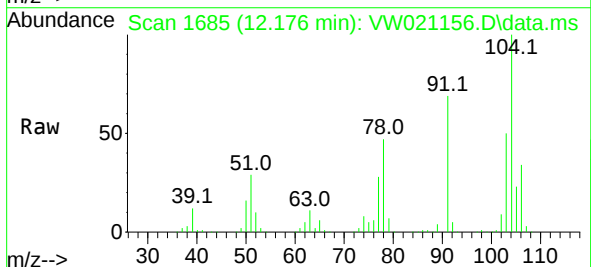
Instrument :  
MSVOA\_W  
ClientSampleId :

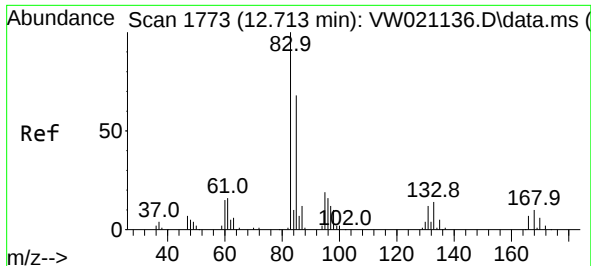
Tgt Ion:106 Resp: 90315  
Ion Ratio Lower Upper  
106 100  
91 220.4 153.6 285.3



#55  
Styrene  
Concen: 26.686 ug/L  
RT: 12.176 min Scan# 1685  
Delta R.T. -0.006 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49

Tgt Ion:104 Resp: 158161  
Ion Ratio Lower Upper  
104 100  
78 46.9 34.4 64.0





#57

1,1,2-Tetrachloroethane

Concen: 25.861 ug/L

RT: 12.713 min Scan# 1773

Delta R.T. -0.000 min

Lab File: VW021156.D

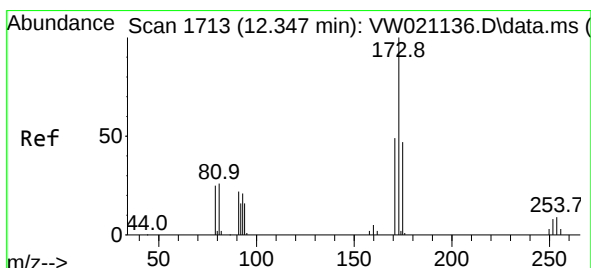
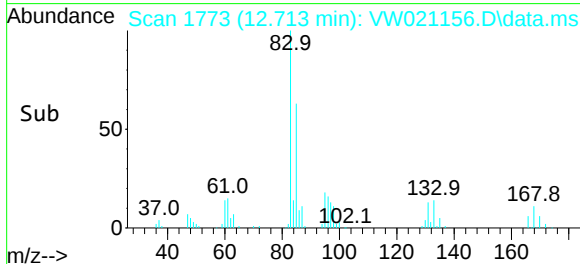
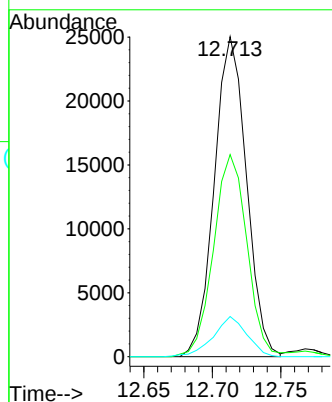
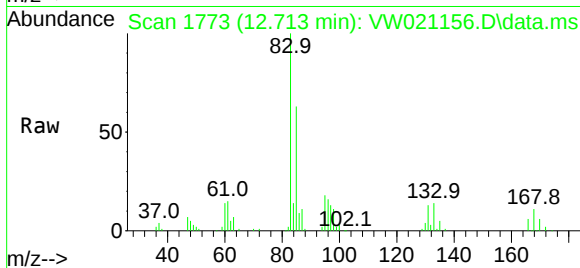
Acq: 05 Dec 2021 07:49

Instrument :

MSVOA\_W

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 40882 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 63.2  | 44.0  | 81.6  |
| 131       | 12.6  | 6.9   | 10.3# |



#59

Bromoform

Concen: 25.078 ug/L

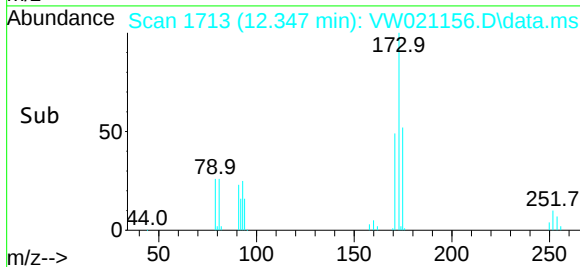
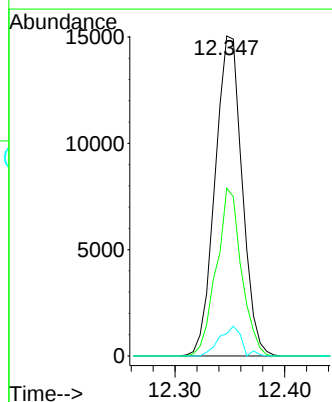
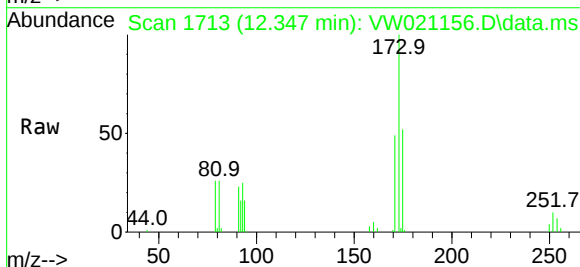
RT: 12.347 min Scan# 1713

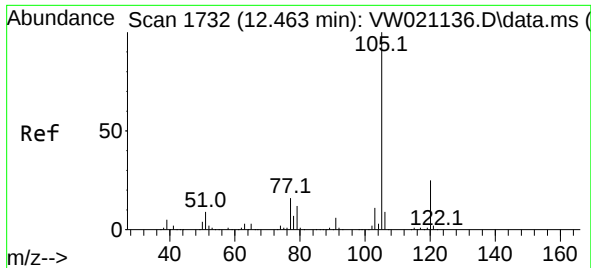
Delta R.T. -0.000 min

Lab File: VW021156.D

Acq: 05 Dec 2021 07:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 25845 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 48.5  | 39.6  | 59.4  |
| 254       | 7.1   | 7.4   | 11.0# |

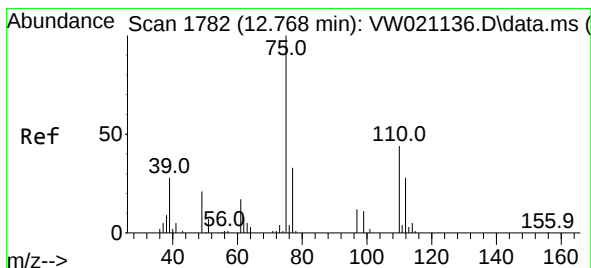
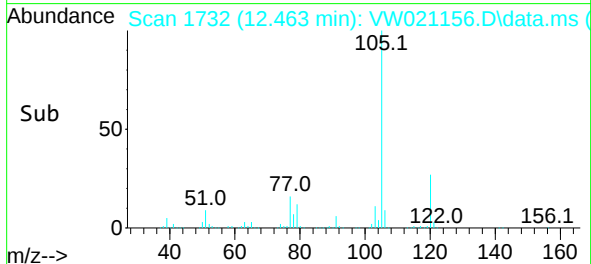
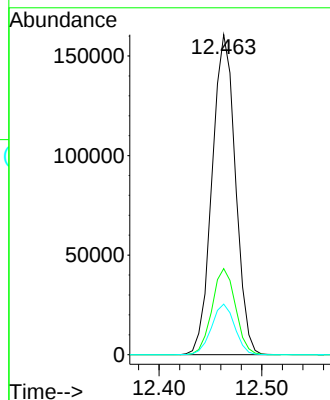
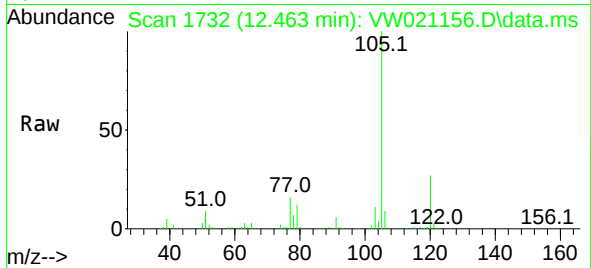




#60  
Isopropylbenzene  
Concen: 25.255 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49

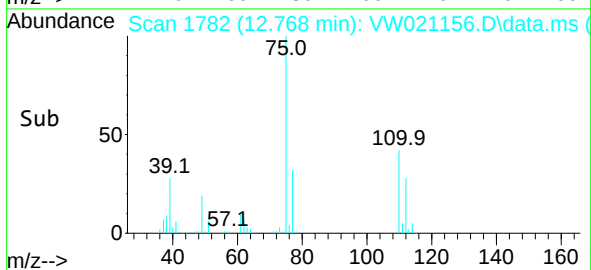
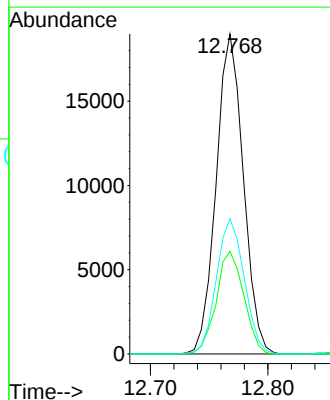
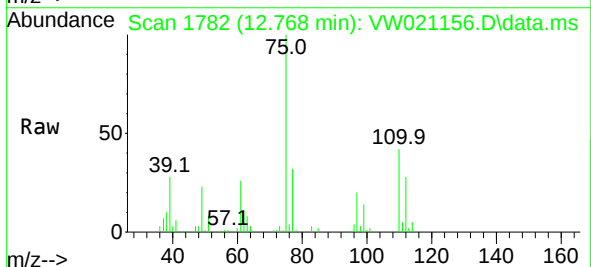
Instrument :  
MSVOA\_W  
ClientSampleId :

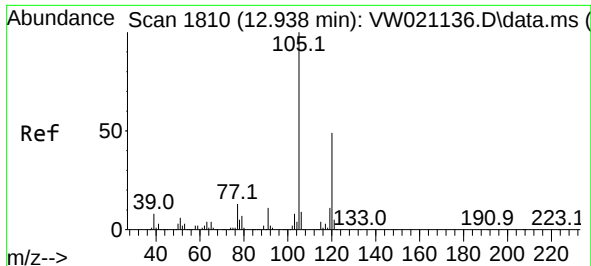
Tgt Ion:105 Resp: 253646  
Ion Ratio Lower Upper  
105 100  
120 27.0 20.1 30.1  
77 15.7 13.8 20.8



#61  
1,2,3-Trichloropropane  
Concen: 25.242 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. -0.000 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49

Tgt Ion: 75 Resp: 30557  
Ion Ratio Lower Upper  
75 100  
77 32.5 25.8 38.8  
110 43.3 29.0 43.4





#62

1,3,5-Trimethylbenzene

Concen: 26.090 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.006 min

Lab File: VW021156.D

Acq: 05 Dec 2021 07:49

Instrument :

MSVOA\_W

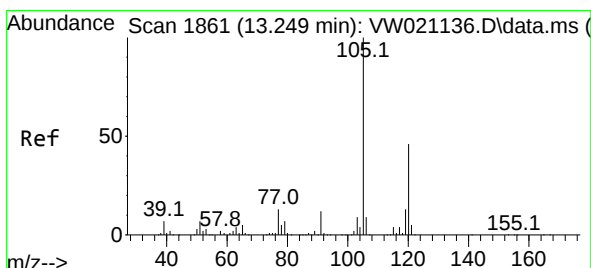
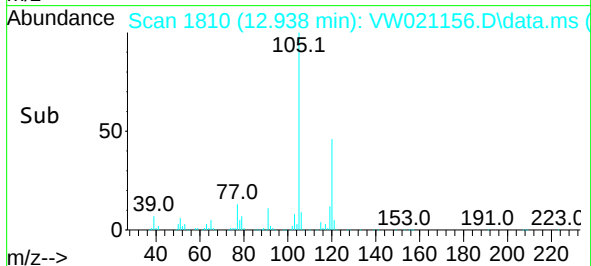
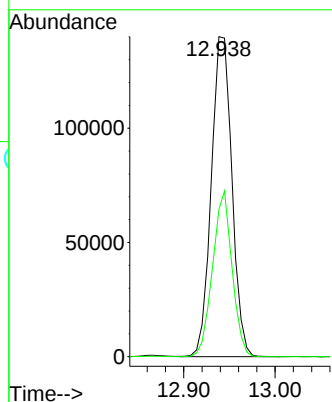
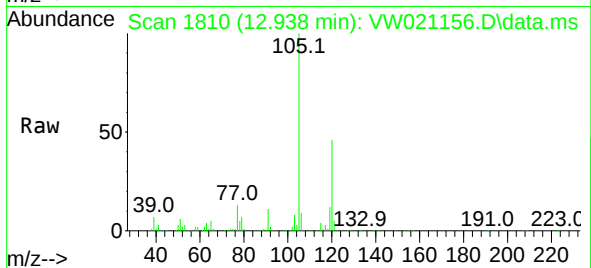
ClientSampleId :

Tgt Ion:105 Resp: 219439

Ion Ratio Lower Upper

105 100

120 48.7 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 25.024 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021156.D

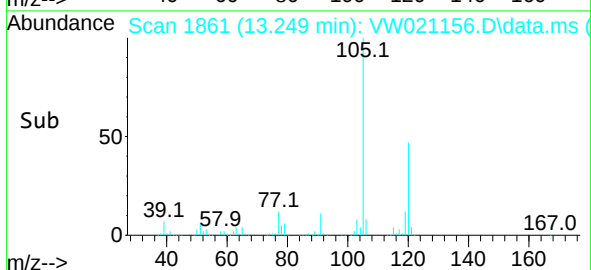
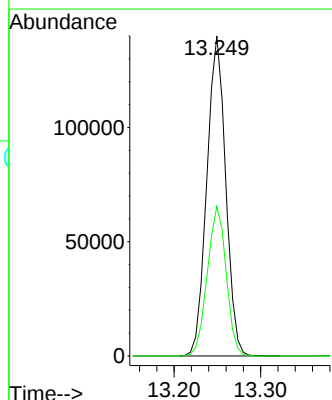
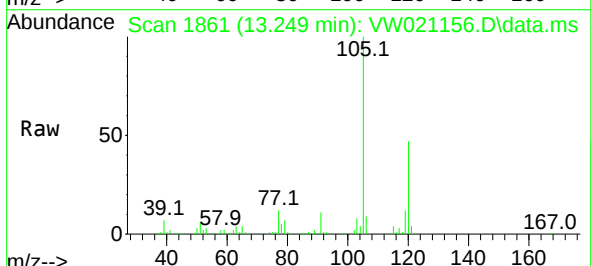
Acq: 05 Dec 2021 07:49

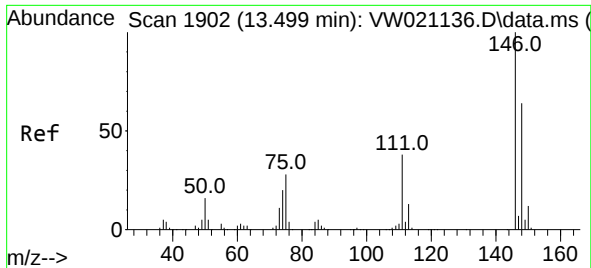
Tgt Ion:105 Resp: 211685

Ion Ratio Lower Upper

105 100

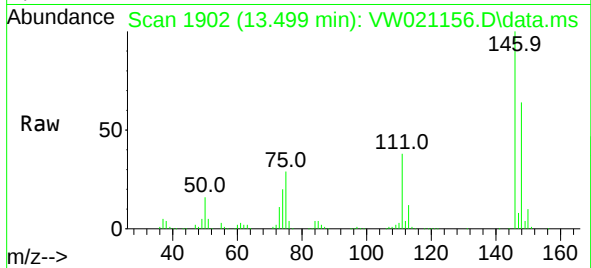
120 46.7 35.0 52.6



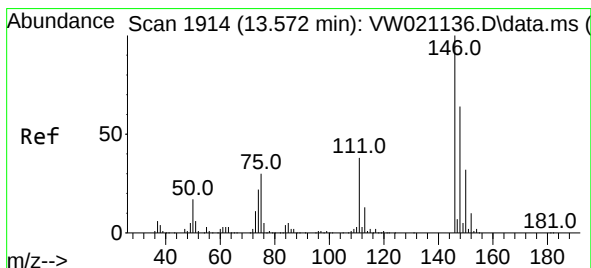
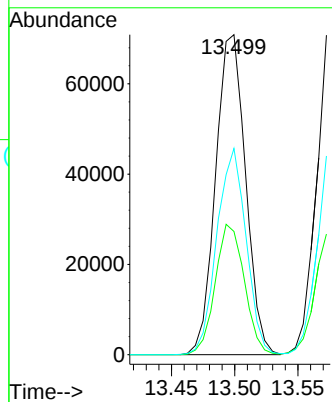
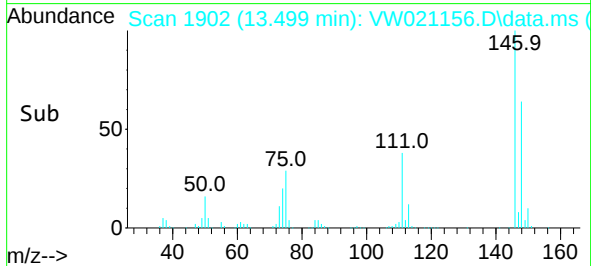


#64  
1,3-Dichlorobenzene  
Concen: 24.683 ug/L  
RT: 13.499 min Scan# 1902  
Delta R.T. -0.000 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49

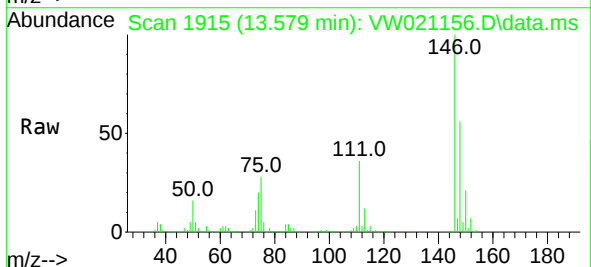
Instrument :  
MSVOA\_W  
ClientSampleId :



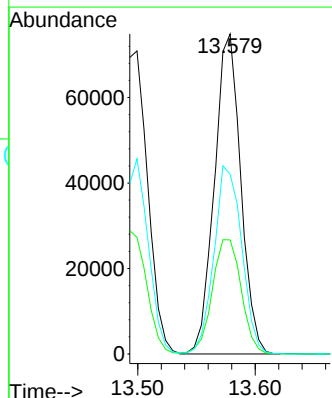
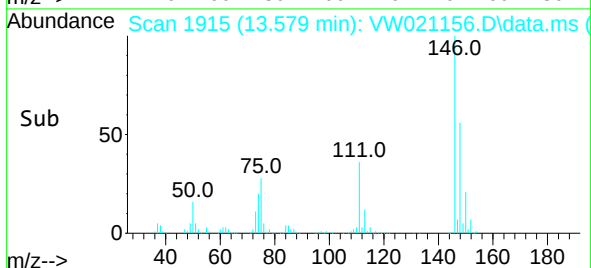
Tgt Ion:146 Resp: 116729  
Ion Ratio Lower Upper  
146 100  
111 38.5 29.8 55.3  
148 64.4 46.2 85.8

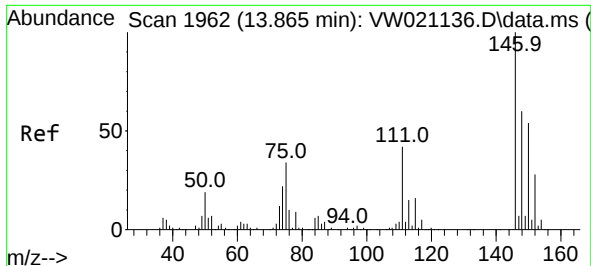


#65  
1,4-Dichlorobenzene  
Concen: 24.465 ug/L  
RT: 13.579 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49



Tgt Ion:146 Resp: 116930  
Ion Ratio Lower Upper  
146 100  
111 35.6 29.0 53.9  
148 56.2 46.9 87.1





#67

1,2-Dichlorobenzene

Concen: 24.199 ug/L

RT: 13.871 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW021156.D

Acq: 05 Dec 2021 07:49

Instrument :

MSVOA\_W

ClientSampleId :

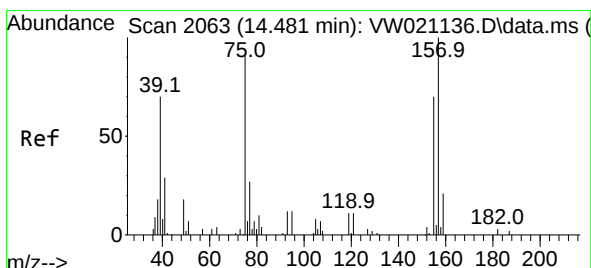
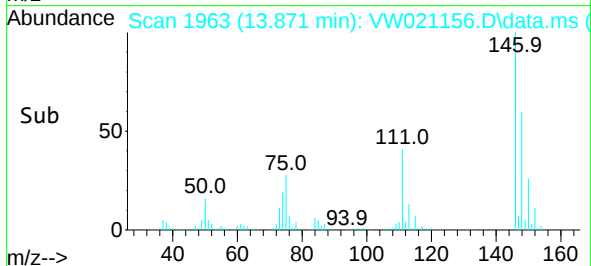
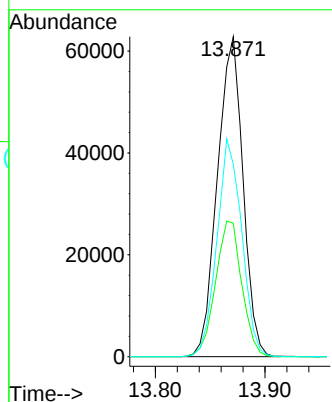
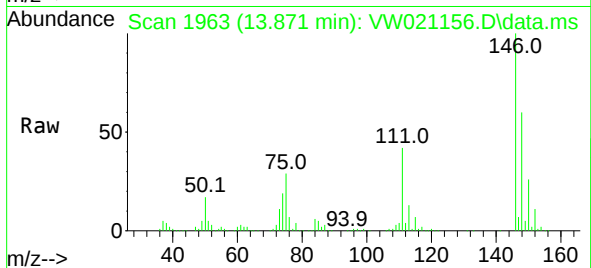
Tgt Ion:146 Resp: 101891

Ion Ratio Lower Upper

146 100

111 41.7 33.1 49.7

148 60.1 47.4 71.2



#68

1,2-Dibromo-3-chloropropane

Concen: 23.815 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW021156.D

Acq: 05 Dec 2021 07:49

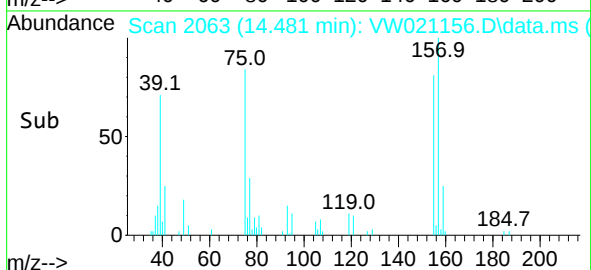
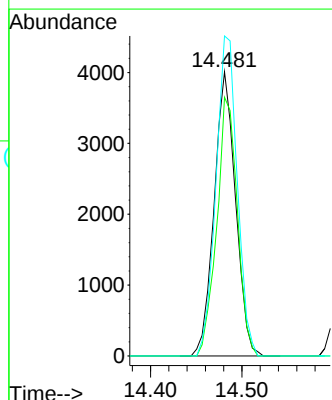
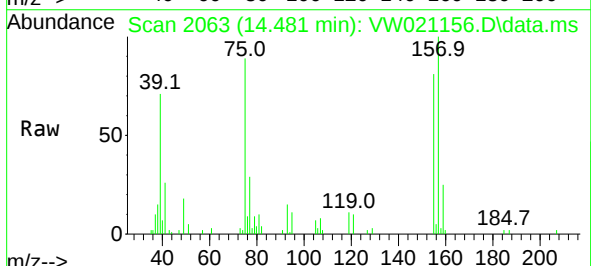
Tgt Ion: 75 Resp: 6510

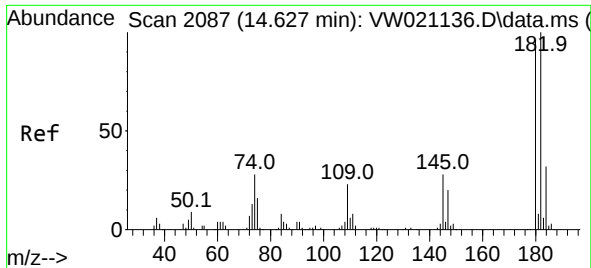
Ion Ratio Lower Upper

75 100

155 91.0 54.2 81.2#

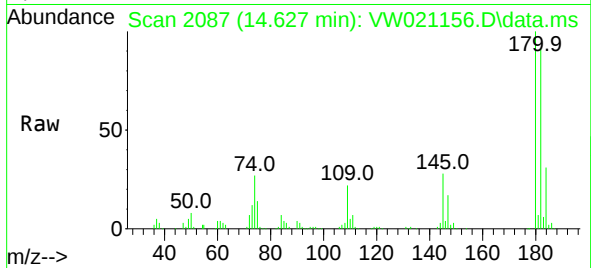
157 112.6 69.4 104.2#



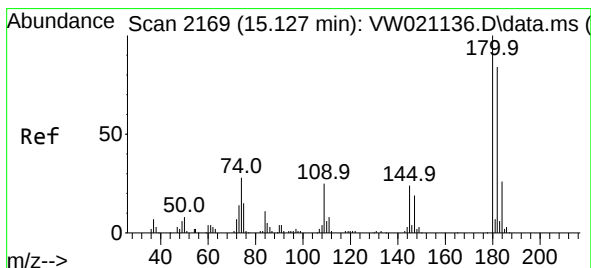
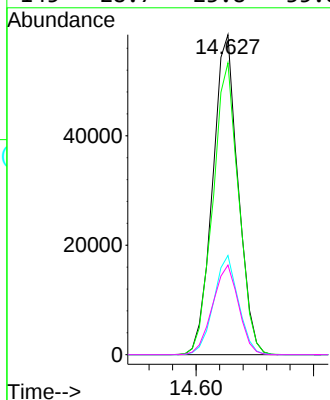
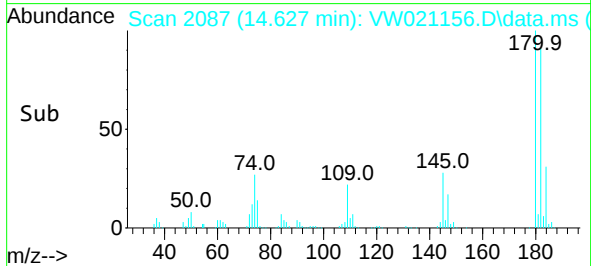


#69  
1,3,5-Trichlorobenzene  
Concen: 25.285 ug/L  
RT: 14.627 min Scan# 2087  
Delta R.T. -0.000 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49

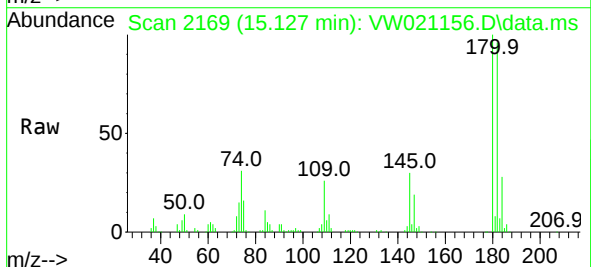
Instrument :  
MSVOA\_W  
ClientSampleId :



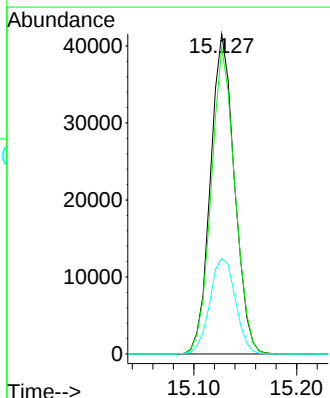
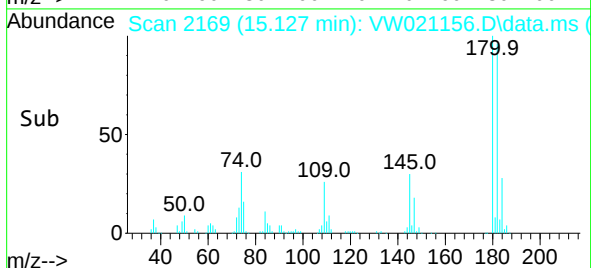
Tgt Ion:180 Resp: 87881  
Ion Ratio Lower Upper  
180 100  
182 92.1 75.4 113.0  
184 30.1 23.8 35.8  
145 28.7 23.8 35.8

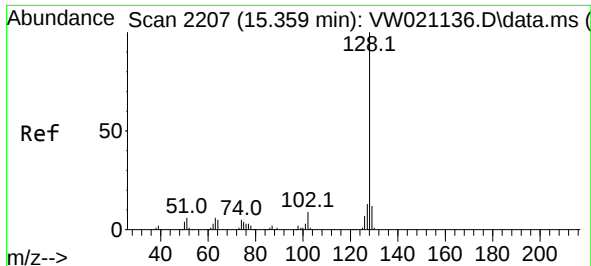


#70  
1,2,4-trichlorobenzene  
Concen: 23.602 ug/L  
RT: 15.127 min Scan# 2169  
Delta R.T. -0.000 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49



Tgt Ion:180 Resp: 67405  
Ion Ratio Lower Upper  
180 100  
182 94.6 79.0 118.6  
145 31.9 26.0 39.0

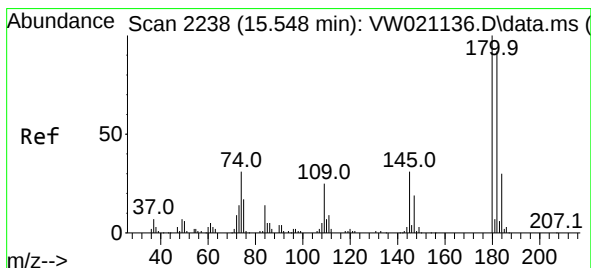
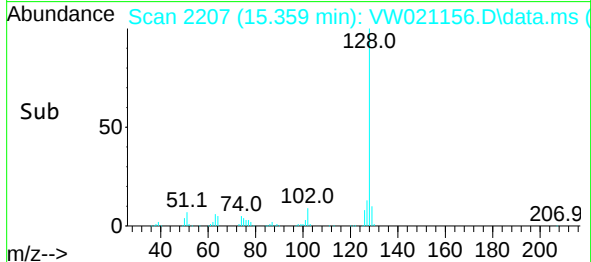
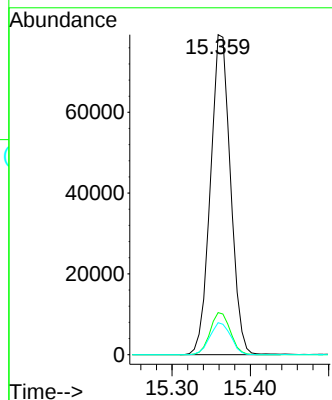
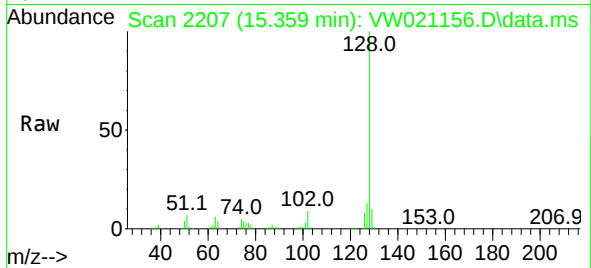




#71  
Naphthalene  
Concen: 26.536 ug/L  
RT: 15.359 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:128 Resp: 140885  
Ion Ratio Lower Upper  
128 100  
127 13.3 10.7 16.1  
129 10.4 8.6 12.8



#72  
1,2,3-Trichlorobenzene  
Concen: 23.666 ug/L  
RT: 15.554 min Scan# 2239  
Delta R.T. -0.000 min  
Lab File: VW021156.D  
Acq: 05 Dec 2021 07:49

Tgt Ion:180 Resp: 58987  
Ion Ratio Lower Upper  
180 100  
182 98.7 76.6 114.8  
145 31.5 27.4 41.0

