

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
 Data File : VW021119.D  
 Acq On : 04 Dec 2021 15:39  
 Operator : SY/VA  
 Sample : M4881-21REMS  
 Misc : 3.97g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW9F6REMS

Quant Time: Dec 06 00:49:49 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   | 92604    | 25.000   | ug/L        | # 0.00   |
| 28) Chlorobenzene-d5          | 11.628    | 117   | 73504    | 25.000   | ug/L        | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554    | 152   | 24533    | 25.000   | ug/L        | 0.00     |
| System Monitoring Compounds   |           |       |          |          |             |          |
| 4) Vinyl Chloride-d3          | 2.349     | 65    | 43161    | 33.452   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 133.800%  |          |
| 7) Chloroethane-d5            | 2.879     | 69    | 28727    | 33.260   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 133.040%  |          |
| 11) 1,1-Dichloroethene-d2     | 4.019     | 63    | 58356    | 28.312   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 110 | Recovery | = 113.240%# |          |
| 21) 2-Butanone-d5             | 7.074     | 46    | 16353    | 55.567   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 111.140%  |          |
| 24) Chloroform-d              | 7.647     | 84    | 68034    | 29.336   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 40 - 150 | Recovery | = 117.360%  |          |
| 26) 1,2-Dichloroethane-d4     | 8.305     | 65    | 35495    | 27.976   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 130 | Recovery | = 111.920%  |          |
| 32) Benzene-d6                | 8.275     | 84    | 121930   | 32.443   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 20 - 135 | Recovery | = 129.760%  |          |
| 36) 1,2-Dichloropropane-d6    | 9.274     | 67    | 34813    | 33.332   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 120 | Recovery | = 133.320%# |          |
| 41) Toluene-d8                | 10.323    | 98    | 111742   | 28.996   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 130 | Recovery | = 116.000%  |          |
| 43) trans-1,3-Dichloroprop... | 10.579    | 79    | 13577    | 28.629   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 135 | Recovery | = 114.520%  |          |
| 47) 2-Hexanone-d5             | 10.927    | 63    | 12309    | 61.598   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 123.200%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688    | 84    | 26519    | 27.445   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 120 | Recovery | = 109.800%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853    | 152   | 21234    | 24.157   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 75 - 120 | Recovery | = 96.640%   |          |
| Target Compounds              |           |       |          |          |             |          |
|                               |           |       |          |          |             | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.007     | 85    | 13678    | 30.239   | ug/L        | 98       |
| 3) Chloromethane              | 2.209     | 50    | 29342    | 28.976   | ug/L        | 98       |
| 5) Vinyl chloride             | 2.355     | 62    | 51886    | 29.495   | ug/L        | 97       |
| 6) Bromomethane               | 2.770     | 94    | 34004    | 29.071   | ug/L        | 95       |
| 8) Chloroethane               | 2.916     | 64    | 23380    | 31.890   | ug/L        | 100      |
| 9) Trichlorofluoromethane     | 3.251     | 101   | 23589    | 27.771   | ug/L        | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.062     | 101   | 35505    | 26.704   | ug/L        | 92       |
| 12) 1,1-Dichloroethene        | 4.038     | 96    | 31945    | 26.577   | ug/L        | 81       |
| 13) Acetone                   | 4.123     | 43    | 15764    | 58.805   | ug/L        | 94       |
| 14) Carbon disulfide          | 4.379     | 76    | 77571    | 23.250   | ug/L        | 97       |
| 15) Methyl Acetate            | 4.666     | 43    | 13167    | 27.089   | ug/L #      | 79       |
| 16) Methylene chloride        | 4.916     | 84    | 35667    | 24.447   | ug/L        | 83       |
| 17) trans-1,2-Dichloroethene  | 5.428     | 96    | 32464    | 25.366   | ug/L        | 78       |
| 18) Methyl tert-butyl Ether   | 5.422     | 73    | 59060    | 30.575   | ug/L        | 94       |
| 19) 1,1-Dichloroethane        | 6.214     | 63    | 57543    | 28.355   | ug/L        | 97       |
| 20) cis-1,2-Dichloroethene    | 7.171     | 96    | 35544    | 26.178   | ug/L        | 69       |
| 22) 2-Butanone                | 7.171     | 43    | 20021    | 53.967   | ug/L        | 89       |
| 23) Bromochloromethane        | 7.513     | 128   | 17916    | 28.202   | ug/L #      | 67       |
| 25) Chloroform                | 7.677     | 83    | 63921    | 28.060   | ug/L        | 98       |

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 Misc : 3.97g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

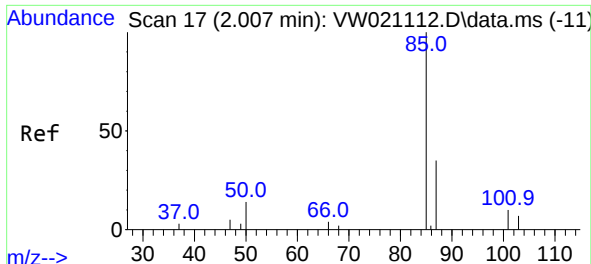
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW9F6REMS

Quant Time: Dec 06 00:49:49 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) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 42392    | 28.448 | ug/L   | 96       |
| 29) Cyclohexane               | 7.952  | 56   | 49368    | 30.445 | ug/L # | 83       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 56152    | 32.764 | ug/L   | 94       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 51305    | 32.216 | ug/L   | 99       |
| 33) Benzene                   | 8.323  | 78   | 129303   | 30.934 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 42234    | 36.624 | ug/L   | 90       |
| 35) Methylcyclohexane         | 9.329  | 83   | 52802    | 27.203 | ug/L # | 84       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 30811    | 32.613 | ug/L # | 96       |
| 38) Bromodichloromethane      | 9.646  | 83   | 43455    | 32.721 | ug/L # | 98       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 45117    | 29.525 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 40482    | 62.900 | ug/L # | 92       |
| 42) Toluene                   | 10.390 | 91   | 134026   | 28.073 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 36785    | 26.607 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 25241    | 31.868 | ug/L   | 94       |
| 46) Tetrachloroethene         | 10.866 | 164  | 51971    | 49.217 | ug/L   | 92       |
| 48) 2-Hexanone                | 10.969 | 43   | 28763    | 61.953 | ug/L # | 95       |
| 49) Dibromochloromethane      | 11.128 | 129  | 28326    | 28.614 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 11.238 | 107  | 23416    | 28.990 | ug/L # | 98       |
| 51) Chlorobenzene             | 11.658 | 112  | 72846    | 22.835 | ug/L   | 91       |
| 52) Ethylbenzene              | 11.725 | 91   | 135309   | 25.175 | ug/L   | 100      |
| 53) m,p-Xylene                | 11.835 | 106  | 54805    | 24.649 | ug/L   | 83       |
| 54) o-Xylene                  | 12.164 | 106  | 52905    | 25.237 | ug/L   | 83       |
| 55) Styrene                   | 12.182 | 104  | 68220    | 19.100 | ug/L   | 93       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 26199    | 27.500 | ug/L # | 98       |
| 59) Bromoform                 | 12.353 | 173  | 14572    | 41.651 | ug/L   | 97       |
| 60) Isopropylbenzene          | 12.463 | 105  | 140110   | 41.094 | ug/L   | 95       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 18937    | 46.079 | ug/L # | 92       |
| 62) 1,3,5-Trimethylbenzene    | 12.945 | 105  | 109725   | 38.429 | ug/L   | 94       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 98125    | 34.170 | ug/L   | 94       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 36361    | 22.649 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 33795    | 20.829 | ug/L   | 92       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 33496    | 23.433 | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 3340     | 35.991 | ug/L   | 89       |
| 69) 1,3,5-Trichlorobenzene    | 14.621 | 180  | 19111    | 16.198 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 10029    | 10.344 | ug/L   | 95       |
| 71) Naphthalene               | 15.365 | 128  | 19882    | 11.031 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 8291     | 9.799  | ug/L   | 97       |

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

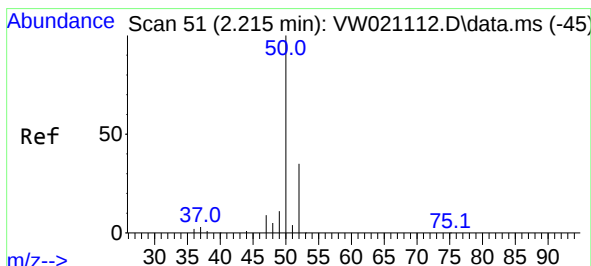
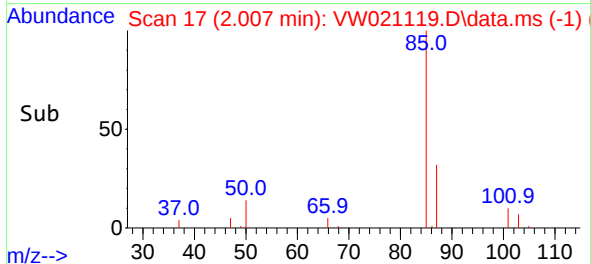
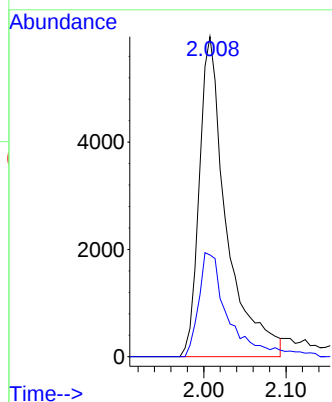
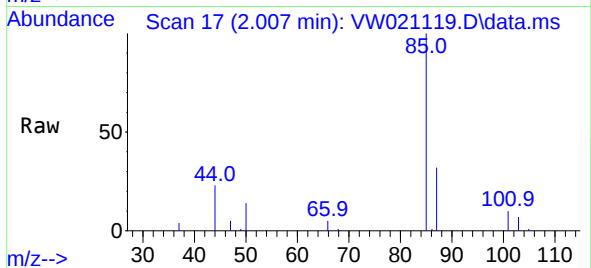




#2  
Dichlorodifluoromethane  
Concen: 30.239 ug/L  
RT: 2.007 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

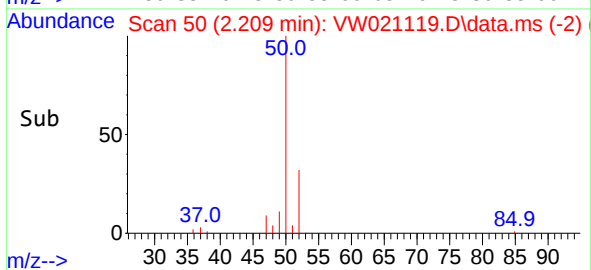
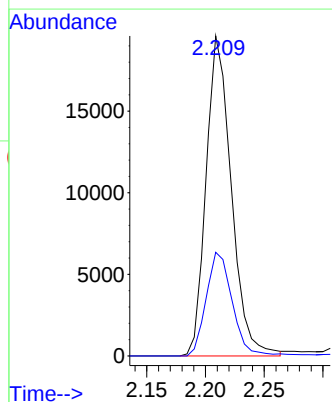
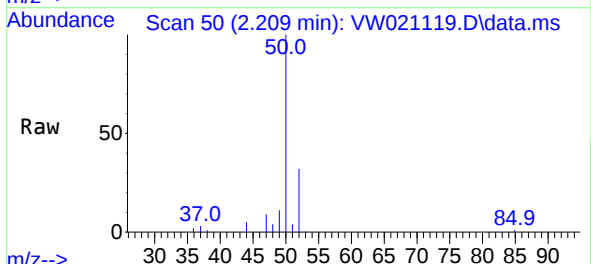
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9F6REMS

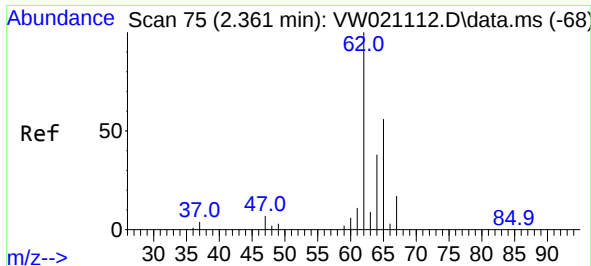
Tgt Ion: 85 Resp: 13678  
Ion Ratio Lower Upper  
85 100  
87 33.4 25.8 38.6



#3  
Chloromethane  
Concen: 28.976 ug/L  
RT: 2.209 min Scan# 50  
Delta R.T. -0.006 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

Tgt Ion: 50 Resp: 29342  
Ion Ratio Lower Upper  
50 100  
52 32.4 23.4 43.6

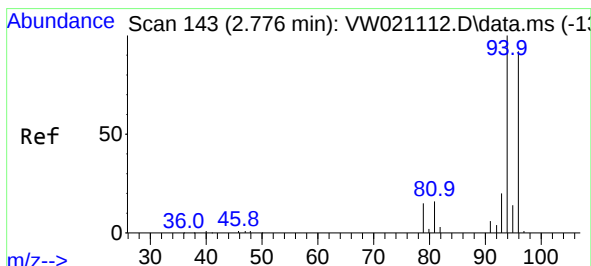
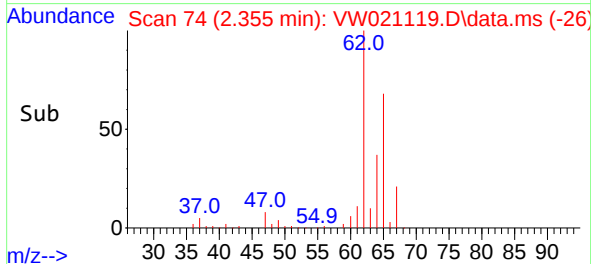
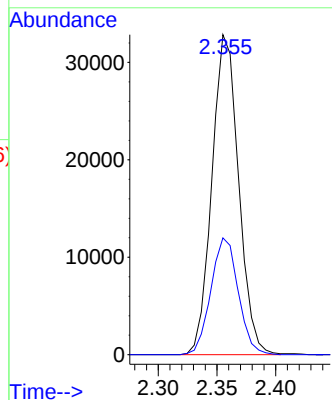
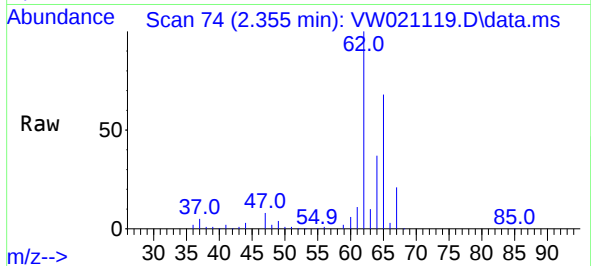




#5  
 Vinyl chloride  
 Concen: 29.495 ug/L  
 RT: 2.355 min Scan# 74  
 Delta R.T. -0.006 min  
 Lab File: VW021119.D  
 Acq: 04 Dec 2021 15:39

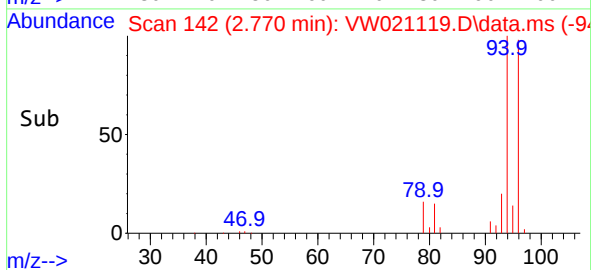
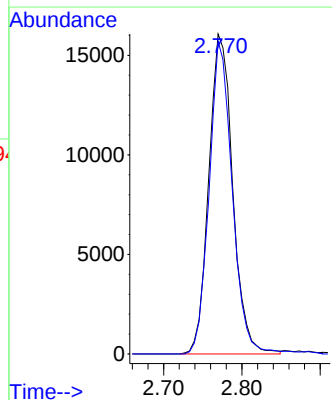
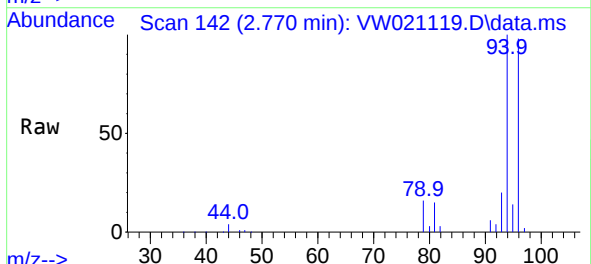
Instrument :  
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 EW9F6REMS

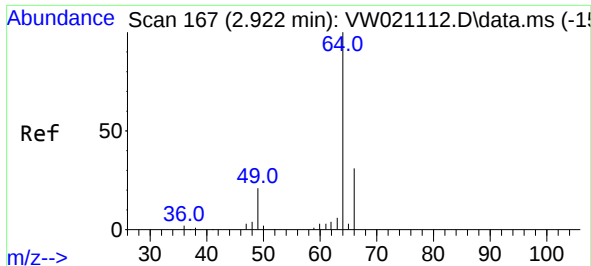
Tgt Ion: 62 Resp: 51886  
 Ion Ratio Lower Upper  
 62 100  
 64 36.5 24.4 45.2



#6  
 Bromomethane  
 Concen: 29.071 ug/L  
 RT: 2.770 min Scan# 142  
 Delta R.T. -0.006 min  
 Lab File: VW021119.D  
 Acq: 04 Dec 2021 15:39

Tgt Ion: 94 Resp: 34004  
 Ion Ratio Lower Upper  
 94 100  
 96 97.7 64.8 120.4

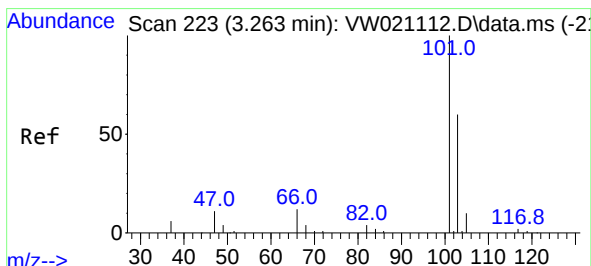
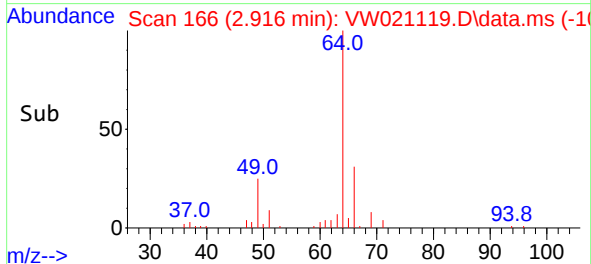
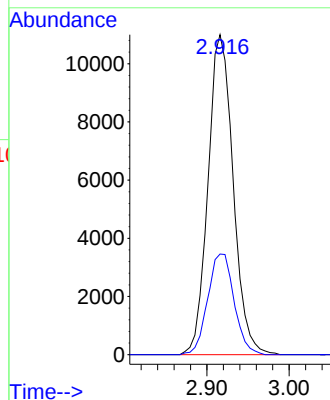
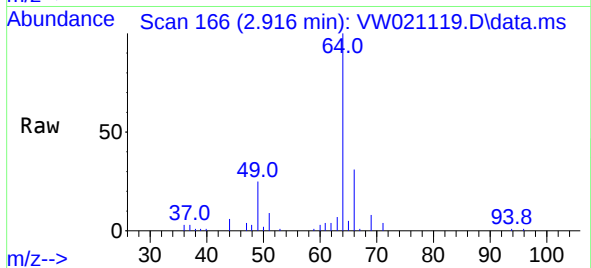




#8  
Chloroethane  
Concen: 31.890 ug/L  
RT: 2.916 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

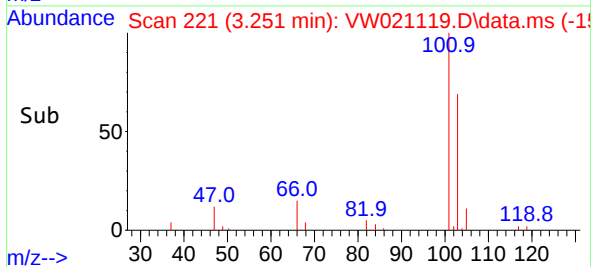
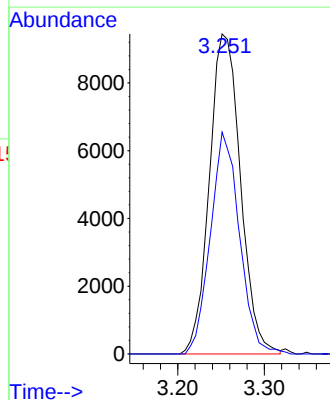
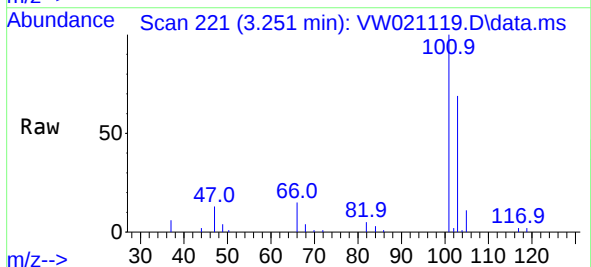
Instrument :  
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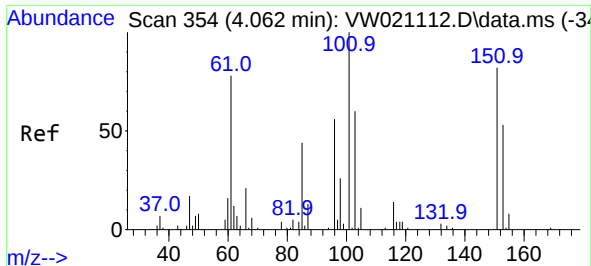
Tgt Ion: 64 Resp: 23380  
Ion Ratio Lower Upper  
64 100  
66 31.5 22.0 40.8



#9  
Trichlorofluoromethane  
Concen: 27.771 ug/L  
RT: 3.251 min Scan# 221  
Delta R.T. -0.012 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

Tgt Ion:101 Resp: 23589  
Ion Ratio Lower Upper  
101 100  
103 64.8 51.4 77.2

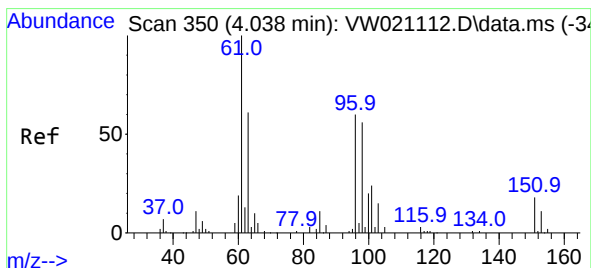
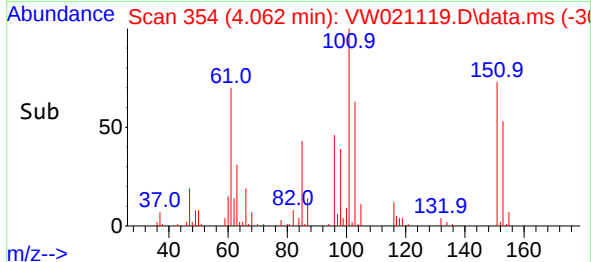
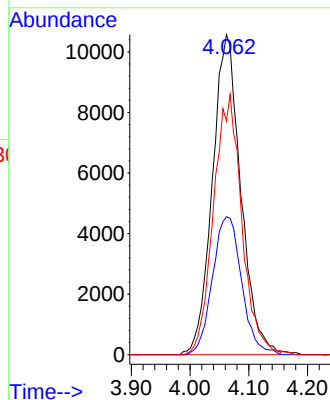
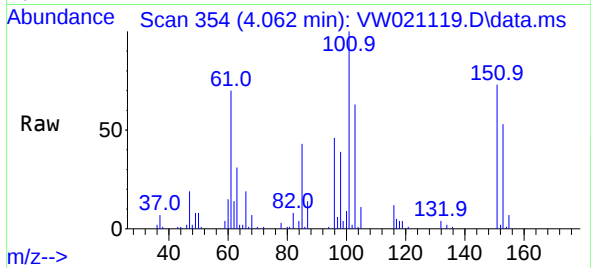




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 26.704 ug/L  
RT: 4.062 min Scan# 310  
Delta R.T. -0.000 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

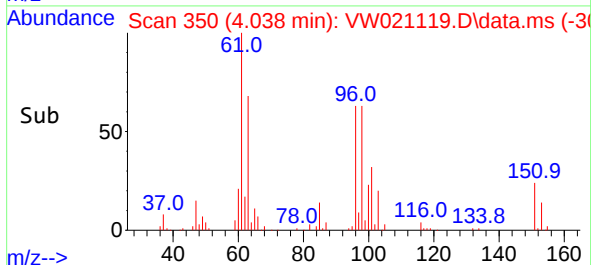
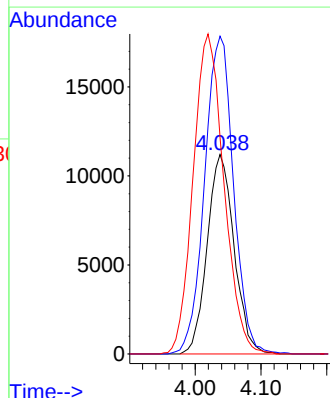
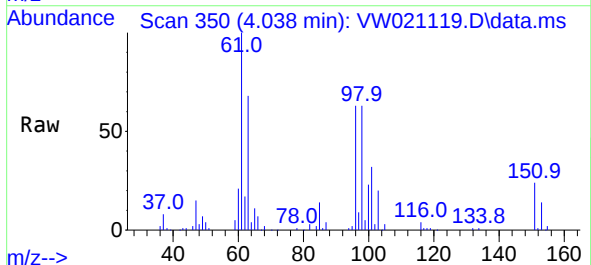
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9F6REMS

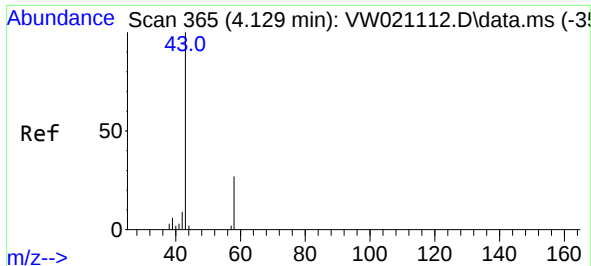
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Ion Ratio Lower Upper  
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85 43.9 36.6 54.8  
151 81.0 57.4 86.0



#12  
1,1-Dichloroethene  
Concen: 26.577 ug/L  
RT: 4.038 min Scan# 350  
Delta R.T. -0.012 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

Tgt Ion: 96 Resp: 31945  
Ion Ratio Lower Upper  
96 100  
61 159.3 138.3 256.9  
63 108.6 82.6 153.4





#13

Acetone

Concen: 58.805 ug/L

RT: 4.123 min Scan# 364

Delta R.T. -0.012 min

Lab File: VW021119.D

Acq: 04 Dec 2021 15:39

Instrument :

MSVOA\_W

ClientSampleId :

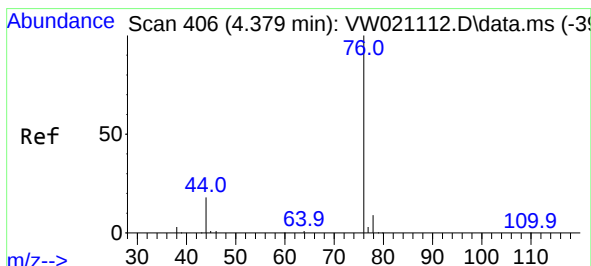
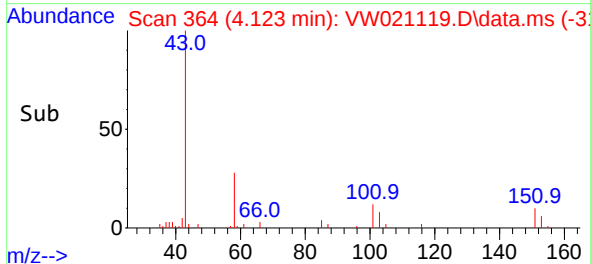
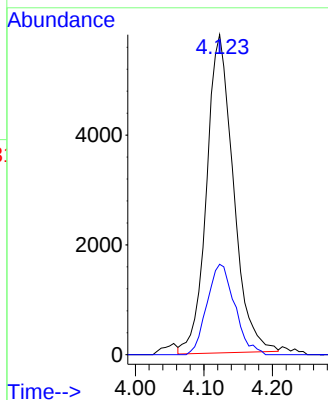
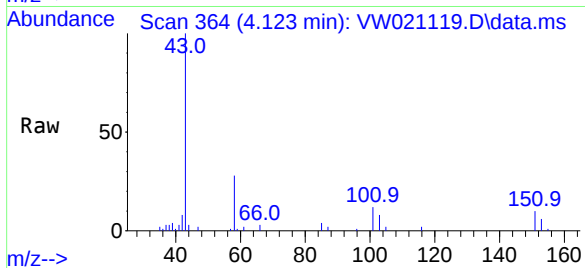
EW9F6REMS

Tgt Ion: 43 Resp: 15764

Ion Ratio Lower Upper

43 100

58 29.3 0.0 52.8



#14

Carbon disulfide

Concen: 23.250 ug/L

RT: 4.379 min Scan# 406

Delta R.T. -0.012 min

Lab File: VW021119.D

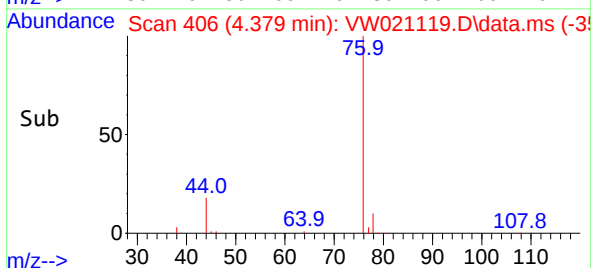
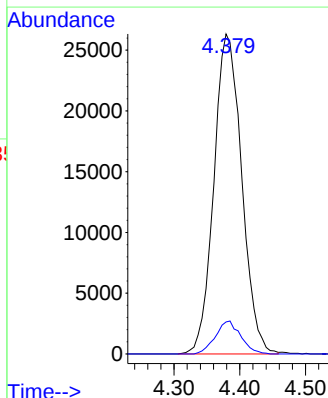
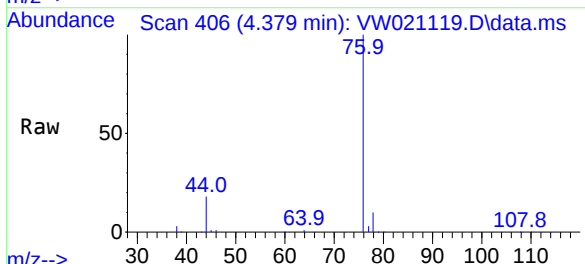
Acq: 04 Dec 2021 15:39

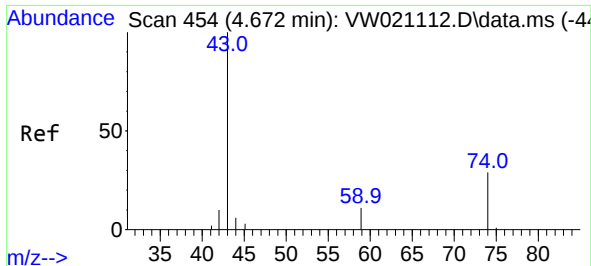
Tgt Ion: 76 Resp: 77571

Ion Ratio Lower Upper

76 100

78 10.0 7.1 10.7

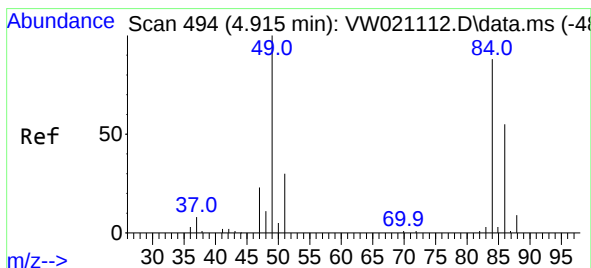
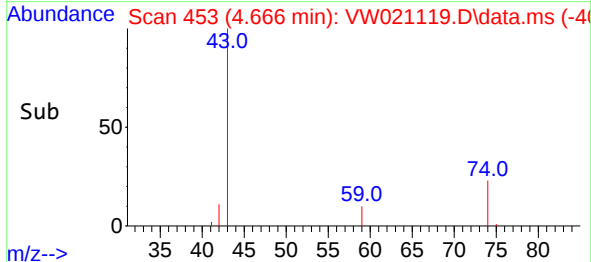
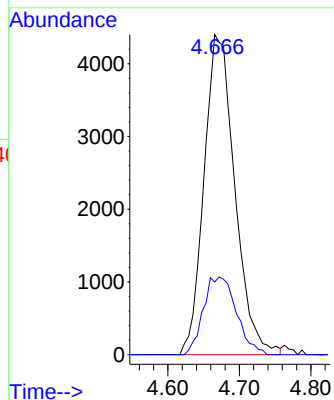
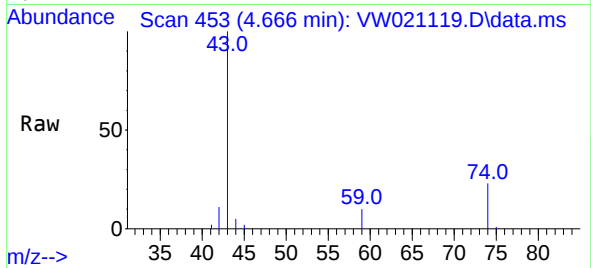




#15  
Methyl Acetate  
Concen: 27.089 ug/L  
RT: 4.666 min Scan# 41  
Delta R.T. -0.012 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

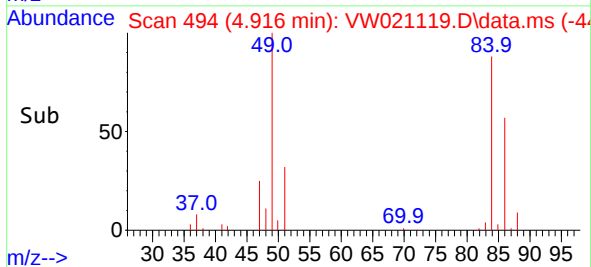
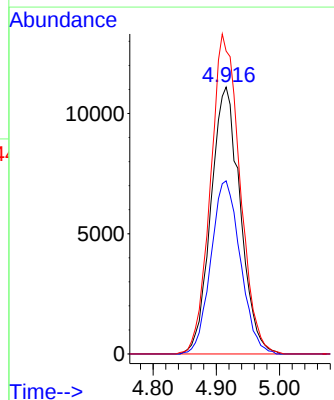
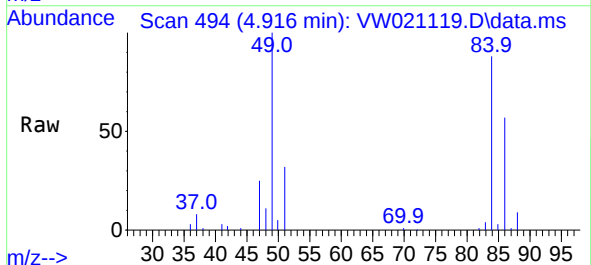
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9F6REMS

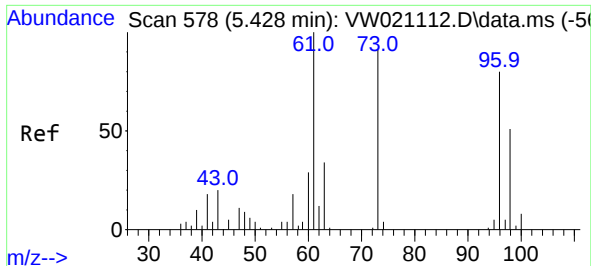
Tgt Ion: 43 Resp: 13167  
Ion Ratio Lower Upper  
43 100  
74 10.7 16.4 24.6#



#16  
Methylene chloride  
Concen: 24.447 ug/L  
RT: 4.916 min Scan# 494  
Delta R.T. -0.000 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

Tgt Ion: 84 Resp: 35667  
Ion Ratio Lower Upper  
84 100  
86 64.9 45.5 84.5  
49 113.5 100.5 186.7

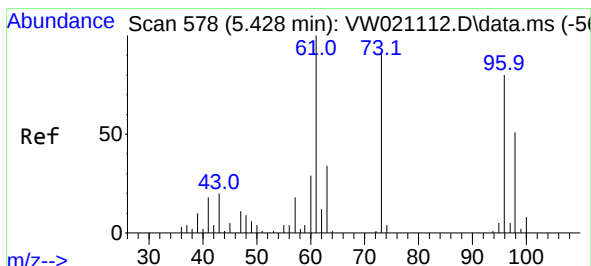
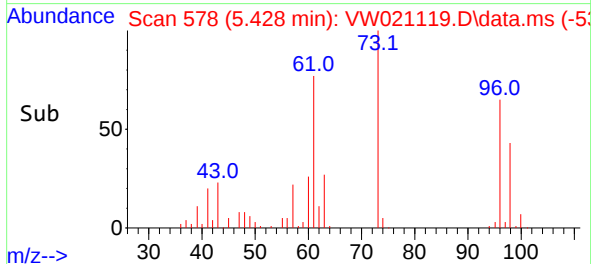
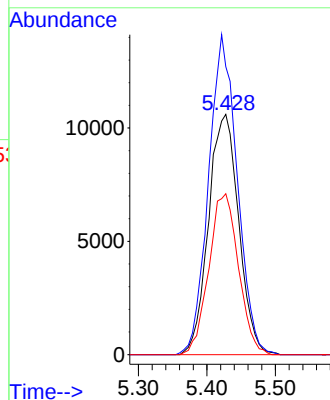
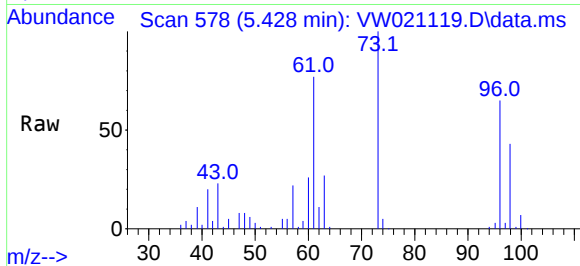




#17  
trans-1,2-Dichloroethene  
Concen: 25.366 ug/L  
RT: 5.428 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

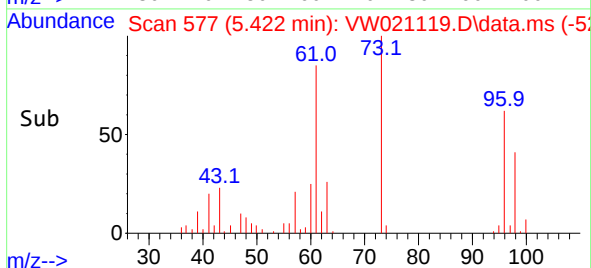
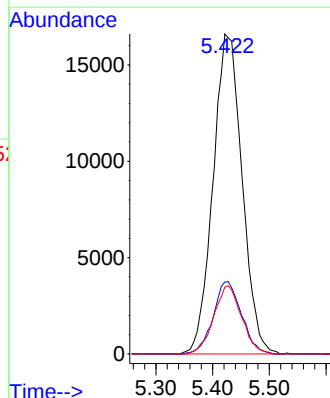
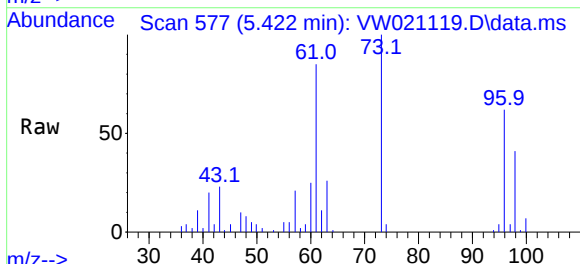
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9F6REMS

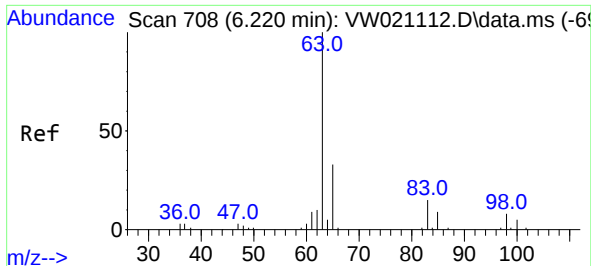
Tgt Ion: 96 Resp: 32464  
Ion Ratio Lower Upper  
96 100  
61 119.9 107.4 199.4  
98 67.0 41.2 76.6



#18  
Methyl tert-butyl Ether  
Concen: 30.575 ug/L  
RT: 5.422 min Scan# 577  
Delta R.T. -0.006 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

Tgt Ion: 73 Resp: 59060  
Ion Ratio Lower Upper  
73 100  
43 21.9 19.5 29.3  
57 20.5 19.3 28.9





#19

1,1-Dichloroethane

Concen: 28.355 ug/L

RT: 6.214 min Scan# 708

Delta R.T. -0.006 min

Lab File: VW021119.D

Acq: 04 Dec 2021 15:39

Instrument :

MSVOA\_W

ClientSampleId :

EW9F6REMS

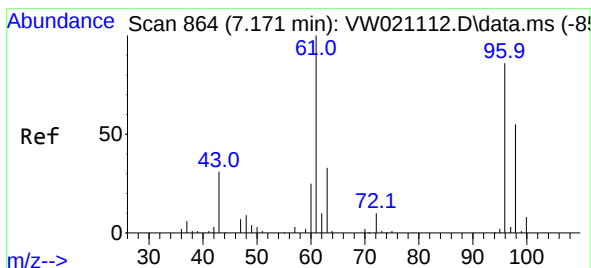
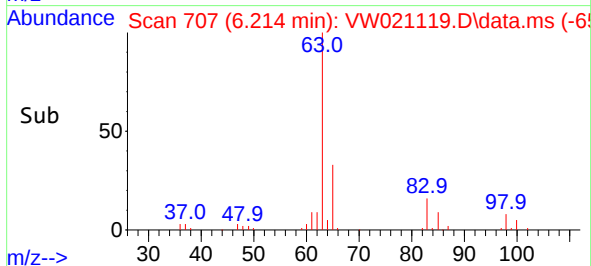
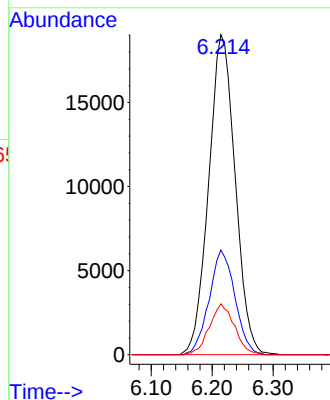
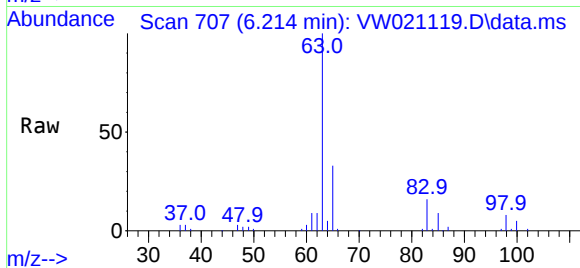
Tgt Ion: 63 Resp: 57543

Ion Ratio Lower Upper

63 100

65 32.7 22.1 41.1

83 15.9 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 26.178 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.006 min

Lab File: VW021119.D

Acq: 04 Dec 2021 15:39

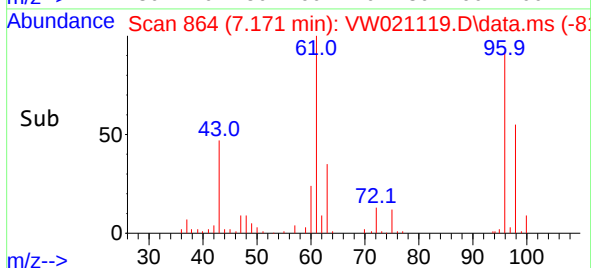
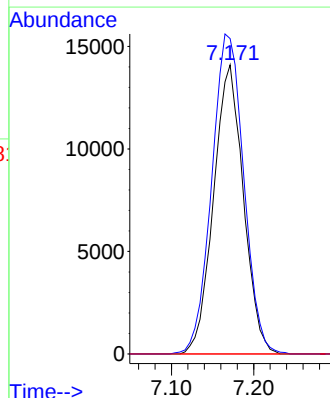
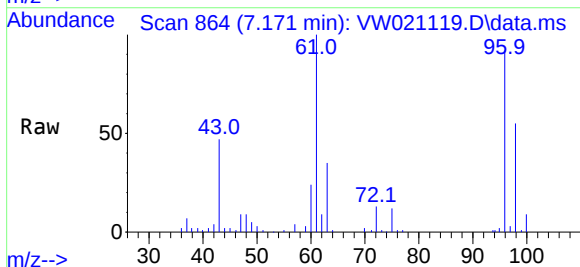
Tgt Ion: 96 Resp: 35544

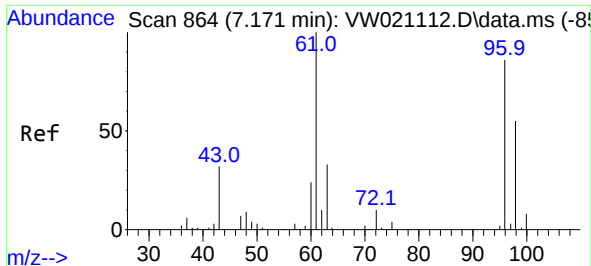
Ion Ratio Lower Upper

96 100

61 109.1 103.7 192.7

68 0.0 0.0 0.0

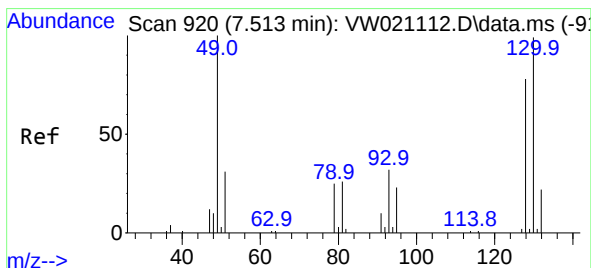
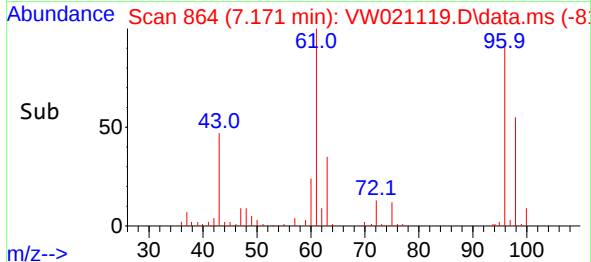
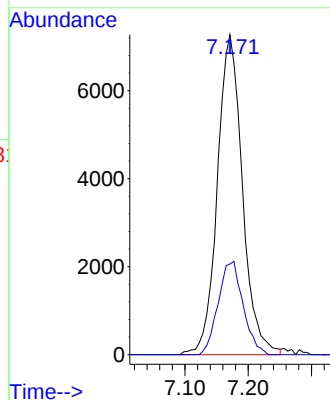
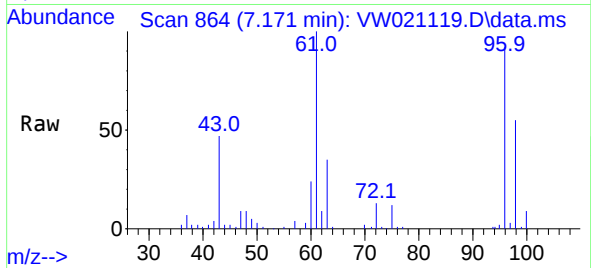




#22  
2-Butanone  
Concen: 53.967 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. -0.000 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

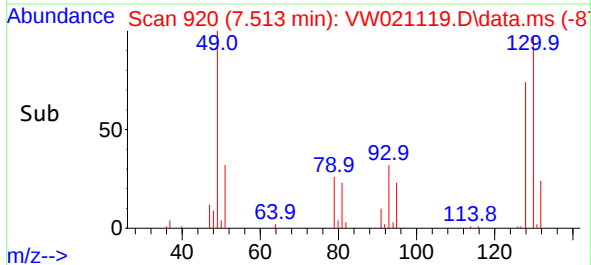
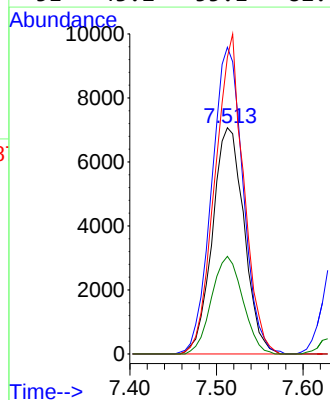
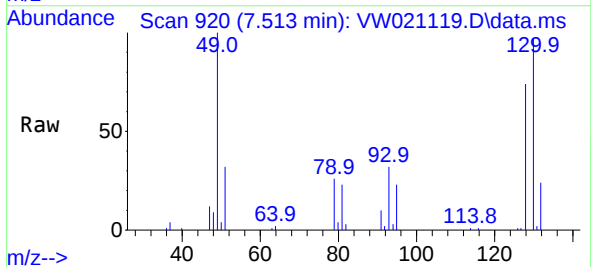
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9F6REMS

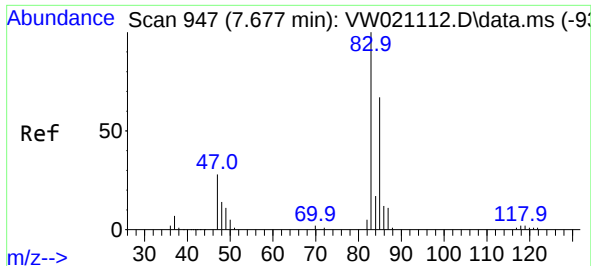
Tgt Ion: 43 Resp: 20021  
Ion Ratio Lower Upper  
43 100  
72 28.9 11.8 35.4



#23  
Bromochloromethane  
Concen: 28.202 ug/L  
RT: 7.513 min Scan# 920  
Delta R.T. -0.006 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

Tgt Ion: 128 Resp: 17916  
Ion Ratio Lower Upper  
128 100  
49 135.6 150.3 279.1#  
130 131.2 88.3 163.9  
51 43.2 55.1 82.7#

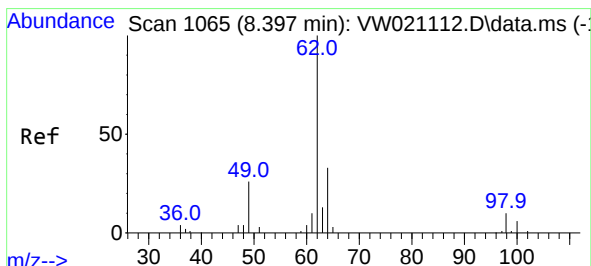
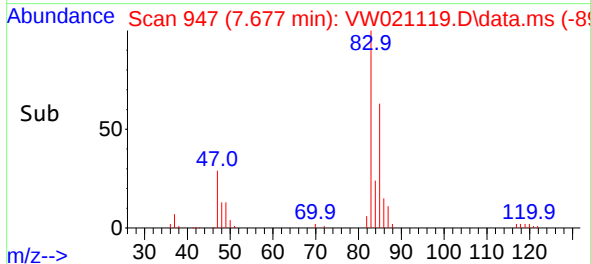
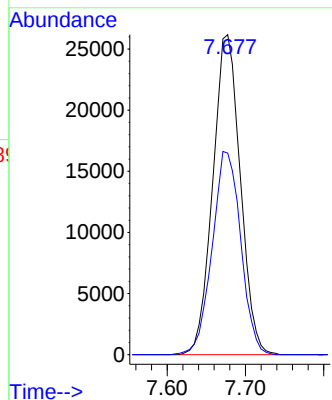
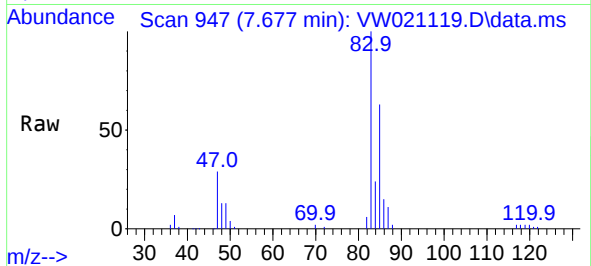




#25  
Chloroform  
Concen: 28.060 ug/L  
RT: 7.677 min Scan# 94  
Delta R.T. -0.000 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

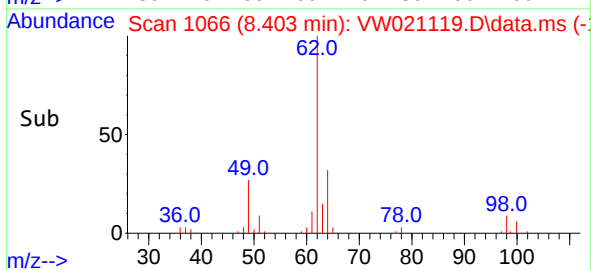
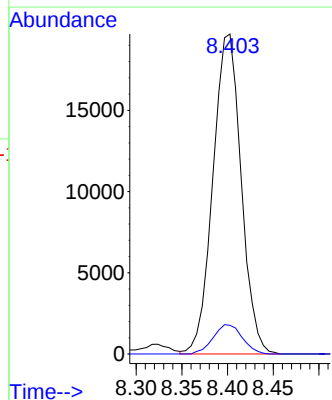
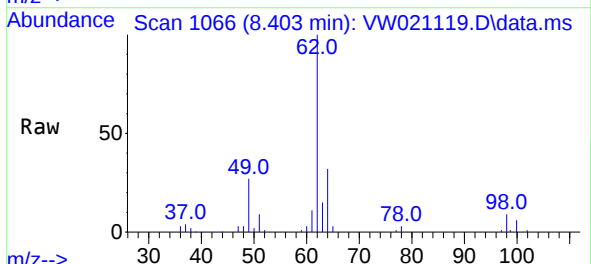
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9F6REMS

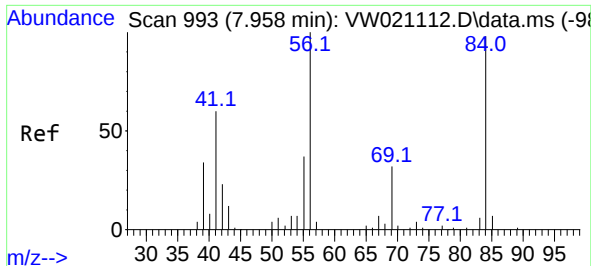
Tgt Ion: 83 Resp: 63921  
Ion Ratio Lower Upper  
83 100  
85 63.0 45.1 83.7



#27  
1,2-Dichloroethane  
Concen: 28.448 ug/L  
RT: 8.403 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

Tgt Ion: 62 Resp: 42392  
Ion Ratio Lower Upper  
62 100  
98 9.5 6.5 9.7

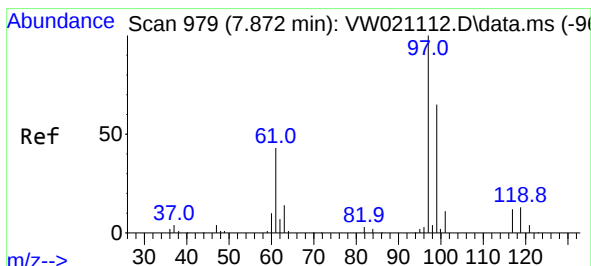
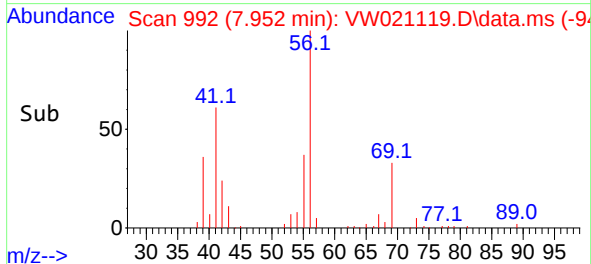
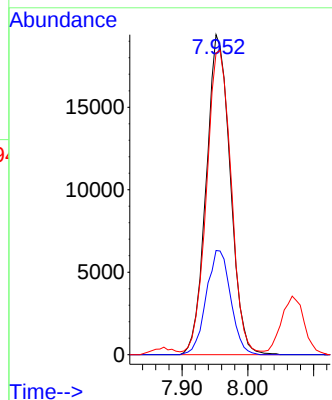
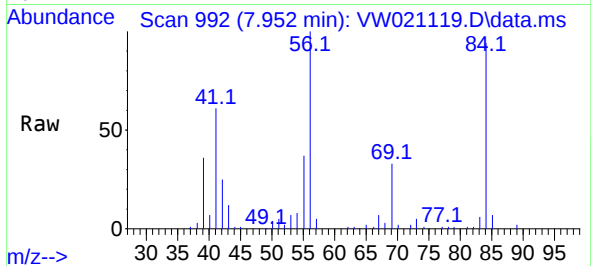




#29  
Cyclohexane  
Concen: 30.445 ug/L  
RT: 7.952 min Scan# 992  
Delta R.T. -0.006 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

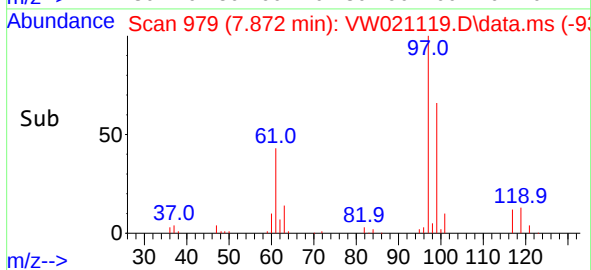
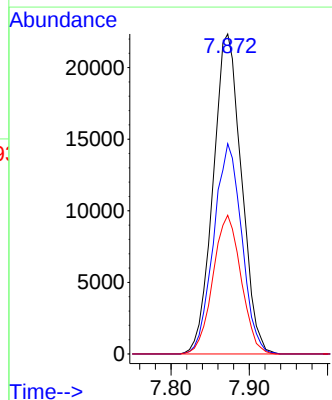
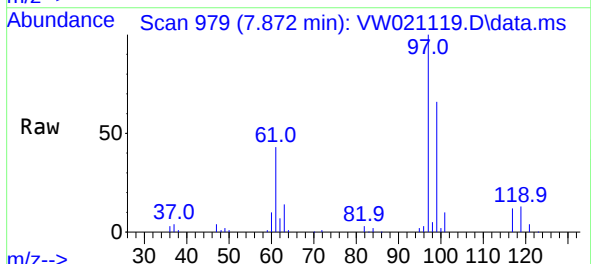
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9F6REMS

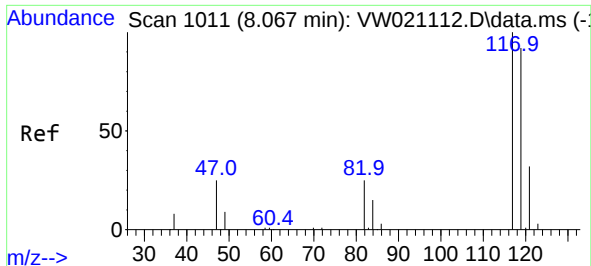
Tgt Ion: 56 Resp: 49368  
Ion Ratio Lower Upper  
56 100  
69 32.9 23.5 35.3  
84 97.6 63.4 95.2#



#30  
1,1,1-Trichloroethane  
Concen: 32.764 ug/L  
RT: 7.872 min Scan# 979  
Delta R.T. -0.000 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

Tgt Ion: 97 Resp: 56152  
Ion Ratio Lower Upper  
97 100  
99 65.2 51.6 77.4  
61 43.1 40.9 61.3

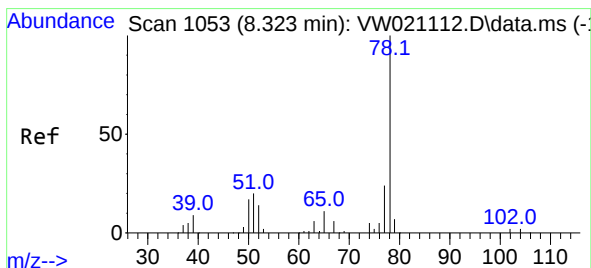
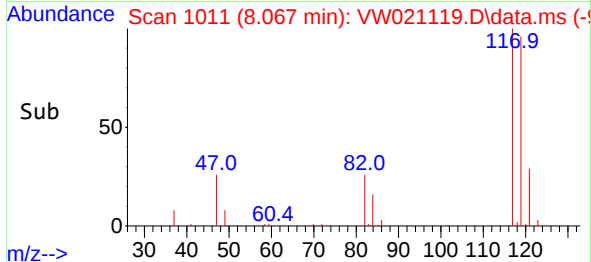
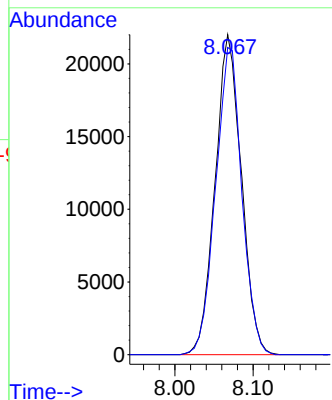
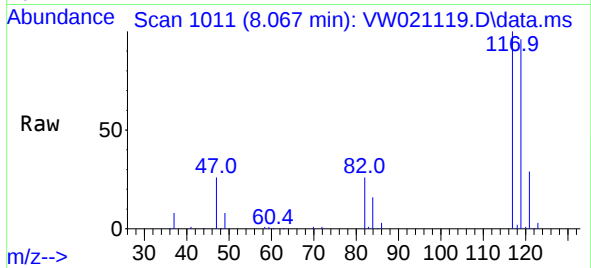




#31  
Carbon tetrachloride  
Concen: 32.216 ug/L  
RT: 8.067 min Scan# 1011  
Delta R.T. -0.006 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

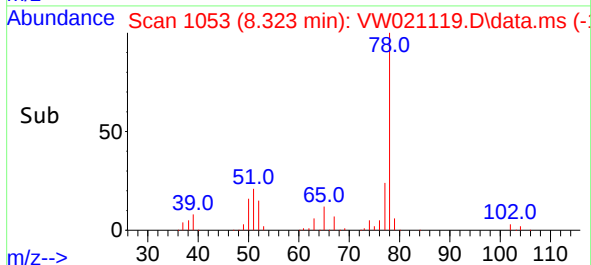
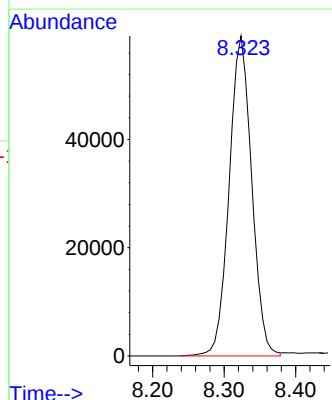
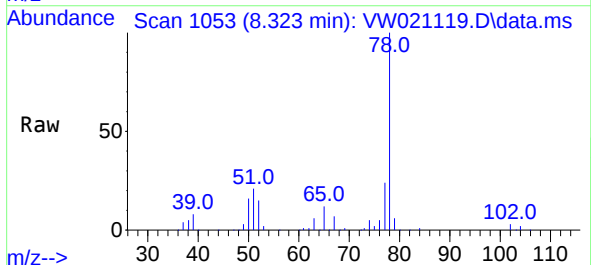
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9F6REMS

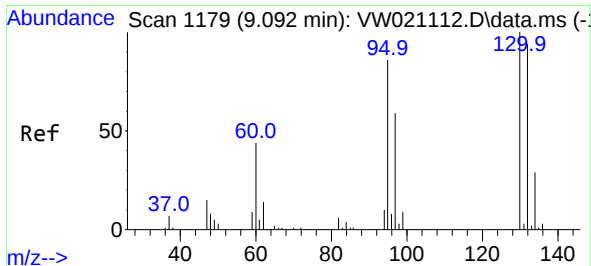
Tgt Ion:117 Resp: 51305  
Ion Ratio Lower Upper  
117 100  
119 96.0 75.7 113.5



#33  
Benzene  
Concen: 30.934 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

Tgt Ion: 78 Resp: 129303



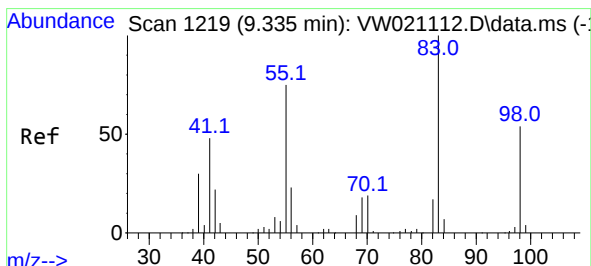
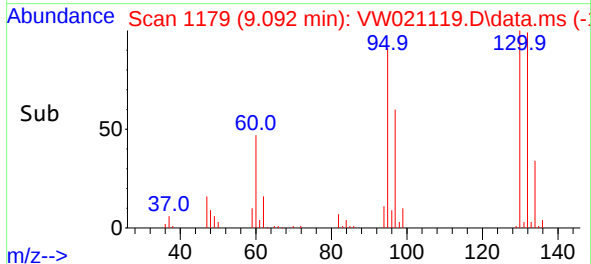
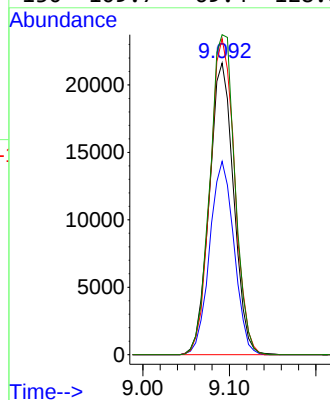
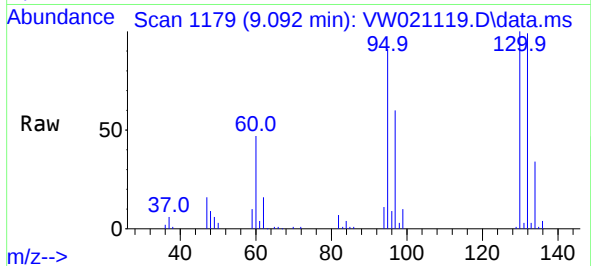


#34  
Trichloroethene  
Concen: 36.624 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9F6REMS

Tgt Ion: 95 Resp: 42234

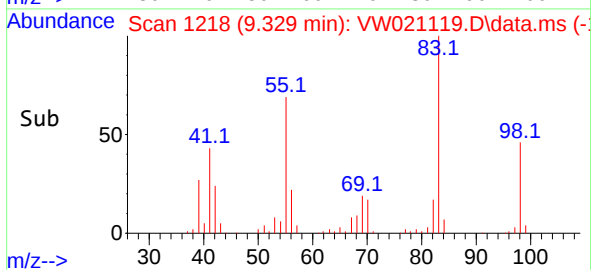
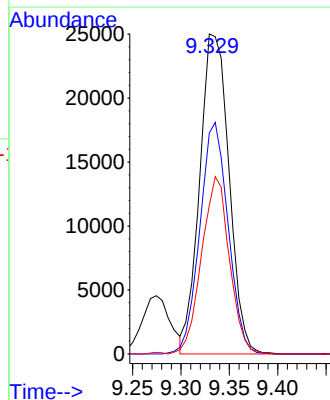
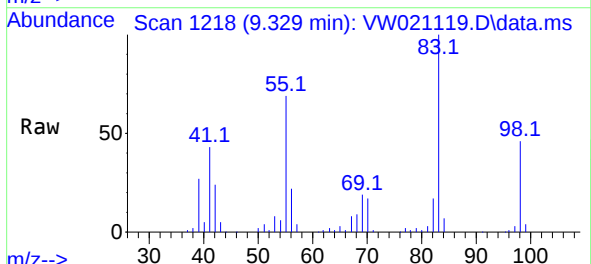
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 66.2  | 47.0  | 87.2  |
| 132 | 108.3 | 65.5  | 121.6 |
| 130 | 109.7 | 69.4  | 128.8 |

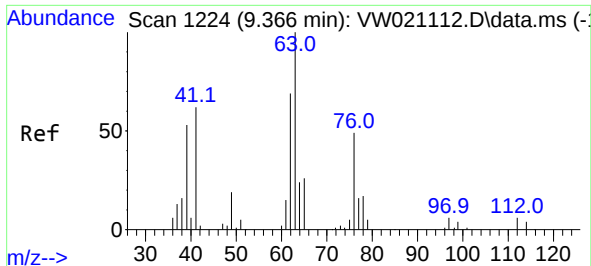


#35  
Methylcyclohexane  
Concen: 27.203 ug/L  
RT: 9.329 min Scan# 1218  
Delta R.T. -0.006 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

Tgt Ion: 83 Resp: 52802

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 83  | 100   |       |        |
| 55  | 69.7  | 70.8  | 106.2# |
| 98  | 52.6  | 37.7  | 56.5   |





#37

1,2-Dichloropropane

Concen: 32.613 ug/L

RT: 9.366 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW021119.D

Acq: 04 Dec 2021 15:39

Instrument :

MSVOA\_W

ClientSampleId :

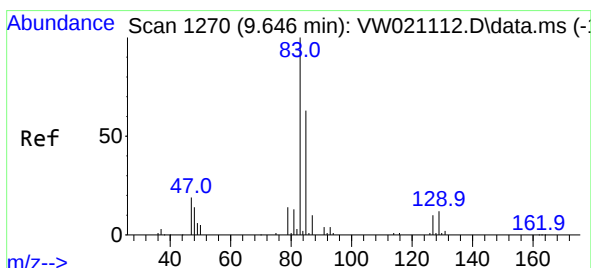
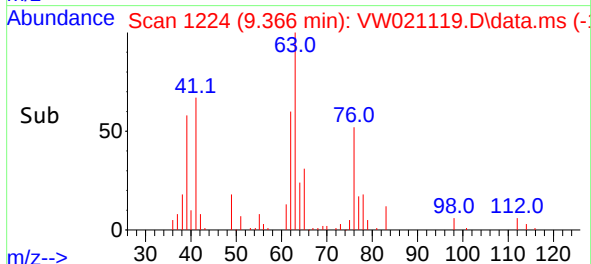
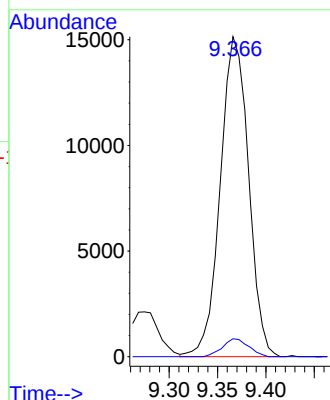
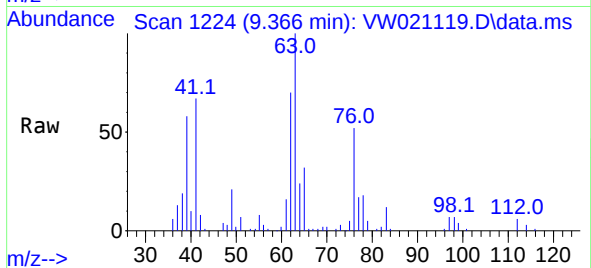
EW9F6REMS

Tgt Ion: 63 Resp: 30811

Ion Ratio Lower Upper

63 100

112 5.2 3.2 4.8#



#38

Bromodichloromethane

Concen: 32.721 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VW021119.D

Acq: 04 Dec 2021 15:39

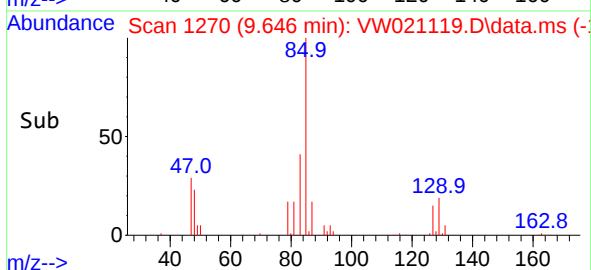
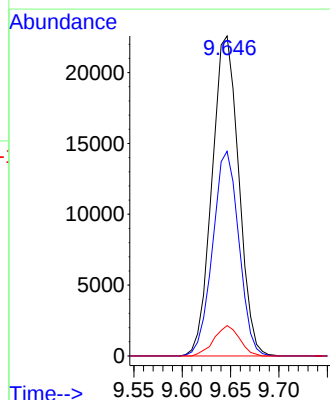
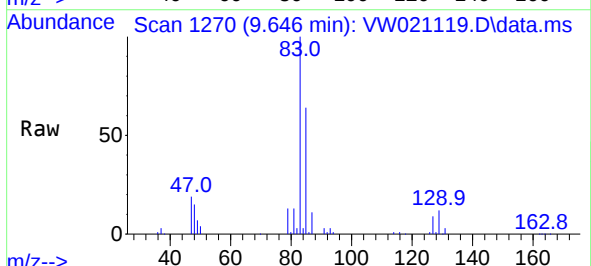
Tgt Ion: 83 Resp: 43455

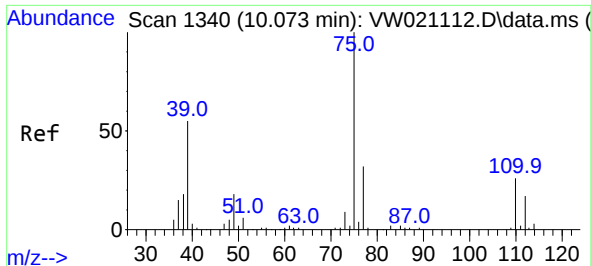
Ion Ratio Lower Upper

83 100

85 64.0 44.1 81.9

127 9.5 6.1 9.1#





#39

cis-1,3-Dichloropropene

Concen: 29.525 ug/L

RT: 10.073 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW021119.D

Acq: 04 Dec 2021 15:39

Instrument :

MSVOA\_W

ClientSampleId :

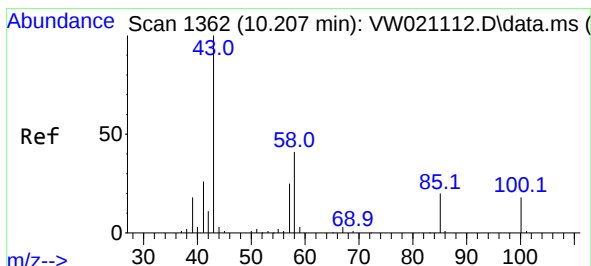
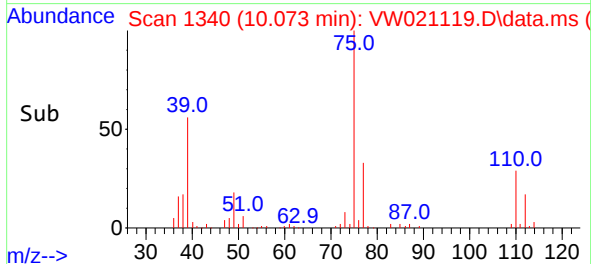
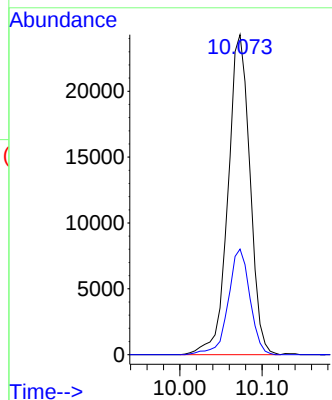
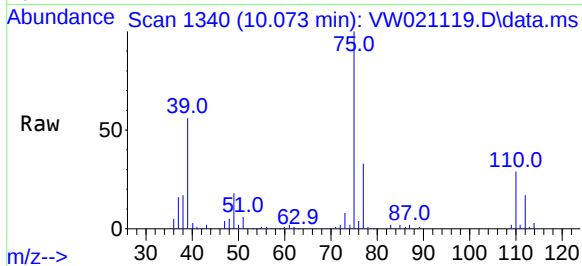
EW9F6REMS

Tgt Ion: 75 Resp: 45117

Ion Ratio Lower Upper

75 100

77 33.0 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 62.900 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VW021119.D

Acq: 04 Dec 2021 15:39

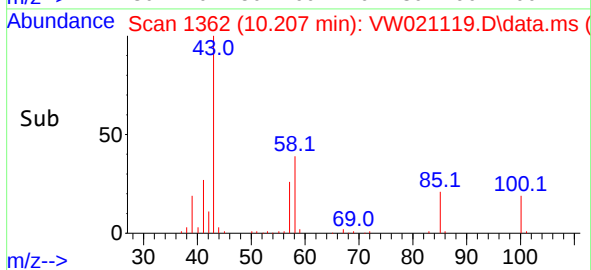
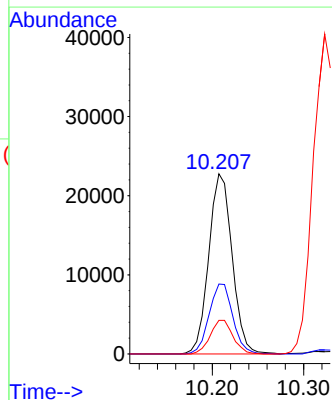
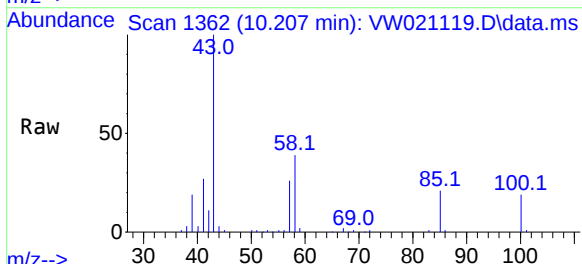
Tgt Ion: 43 Resp: 40482

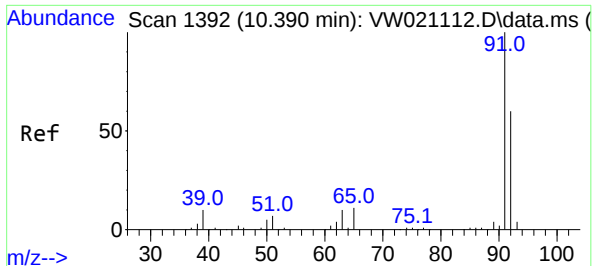
Ion Ratio Lower Upper

43 100

58 39.2 28.8 43.2

100 18.1 10.0 15.0#

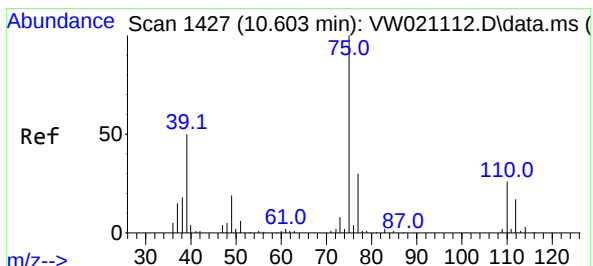
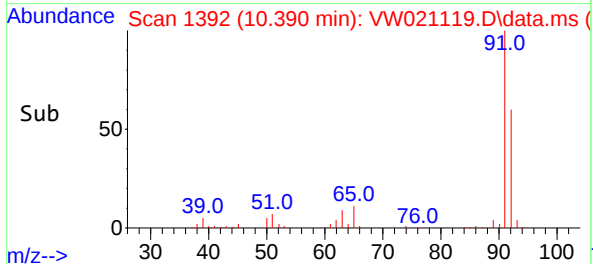
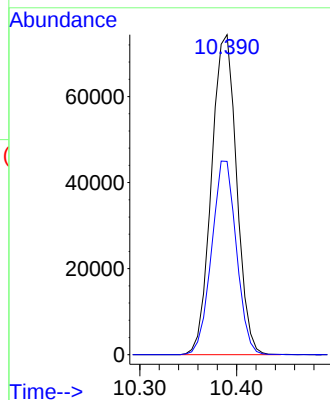
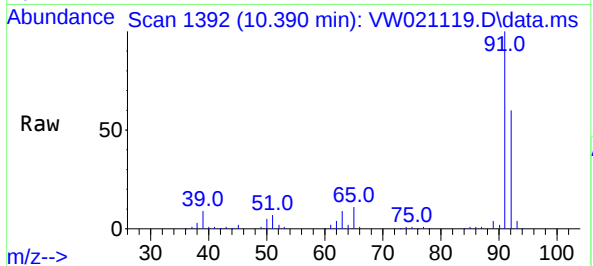




#42  
Toluene  
Concen: 28.073 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

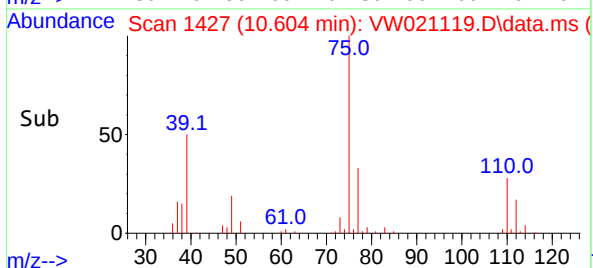
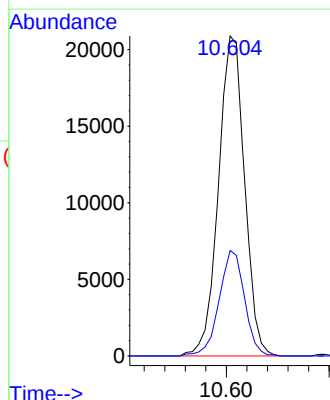
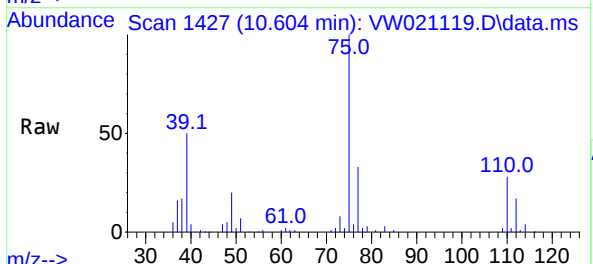
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9F6REMS

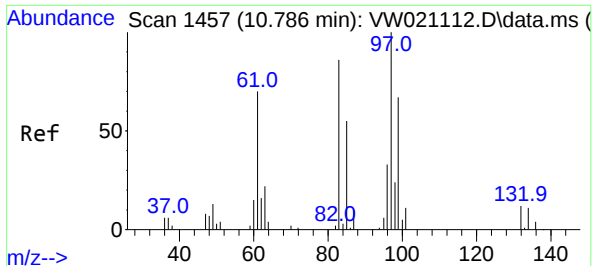
Tgt Ion: 91 Resp: 134026  
Ion Ratio Lower Upper  
91 100  
92 60.4 41.7 77.5



#44  
trans-1,3-Dichloropropene  
Concen: 26.607 ug/L  
RT: 10.604 min Scan# 1427  
Delta R.T. -0.000 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

Tgt Ion: 75 Resp: 36785  
Ion Ratio Lower Upper  
75 100  
77 33.0 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 31.868 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VW021119.D

Acq: 04 Dec 2021 15:39

Instrument :

MSVOA\_W

ClientSampleId :

EW9F6REMS

Tgt Ion: 97 Resp: 25241

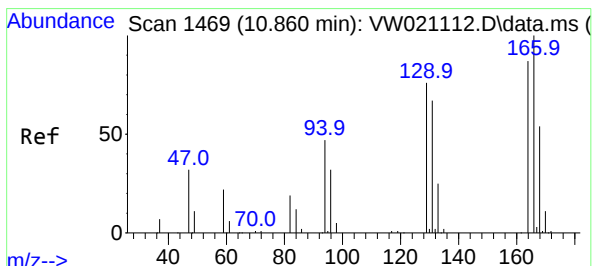
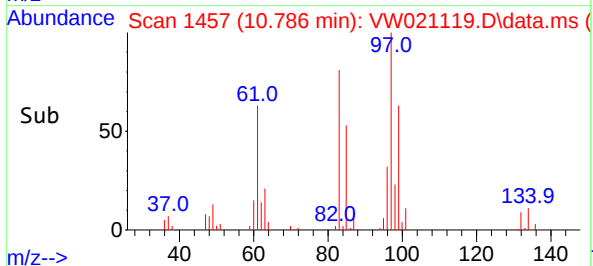
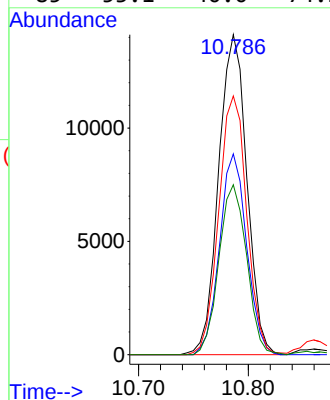
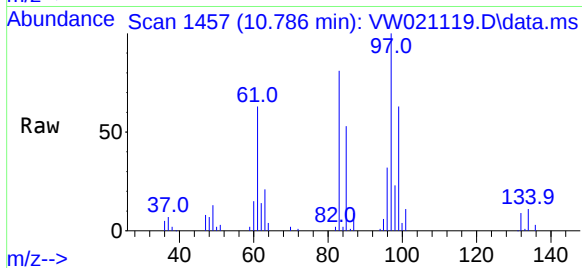
Ion Ratio Lower Upper

97 100

99 62.8 43.0 79.8

83 80.9 62.6 116.3

85 53.1 40.0 74.2



#46

Tetrachloroethene

Concen: 49.217 ug/L

RT: 10.866 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VW021119.D

Acq: 04 Dec 2021 15:39

Tgt Ion:164 Resp: 51971

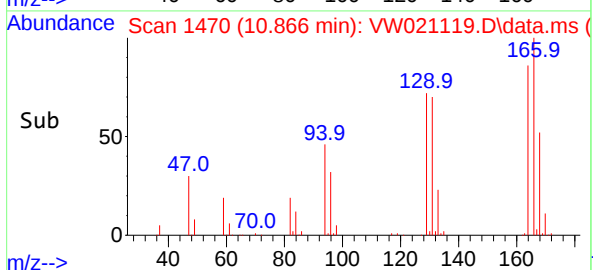
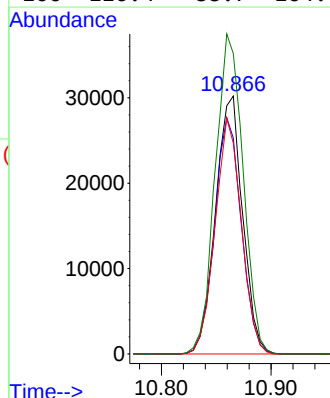
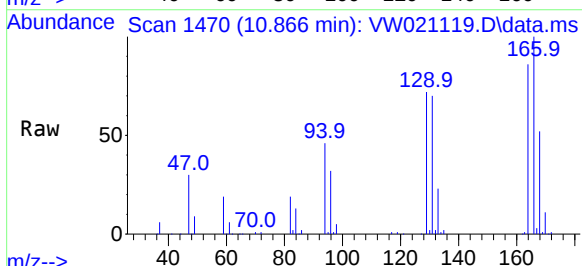
Ion Ratio Lower Upper

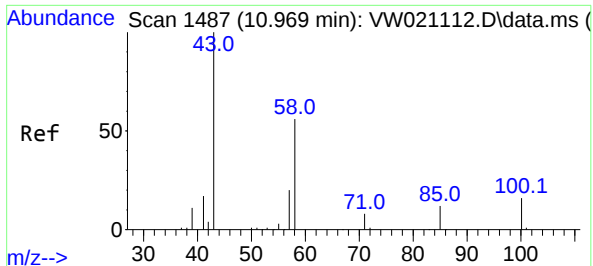
164 100

129 83.7 65.5 121.7

131 81.7 59.7 110.9

166 116.4 88.7 164.7

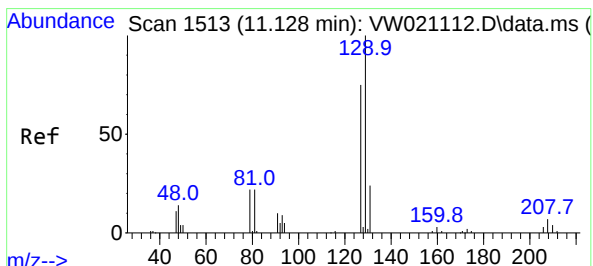
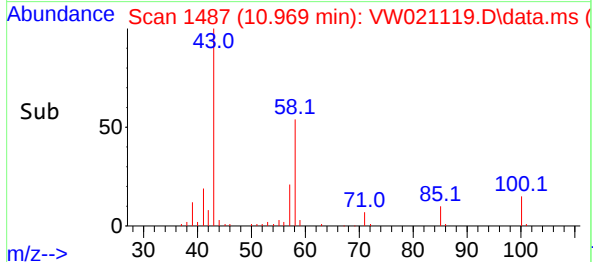
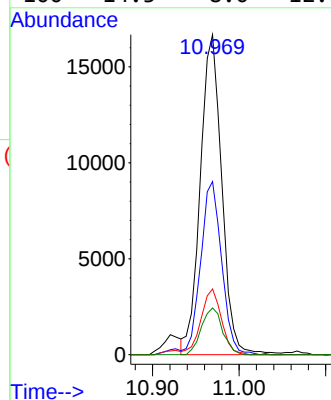
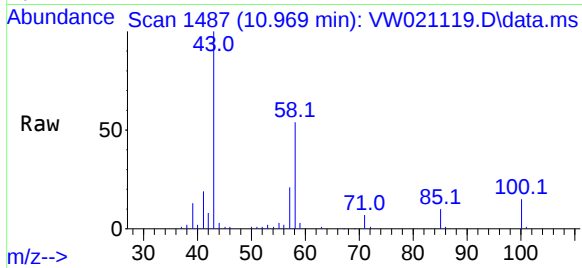




#48  
2-Hexanone  
Concen: 61.953 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

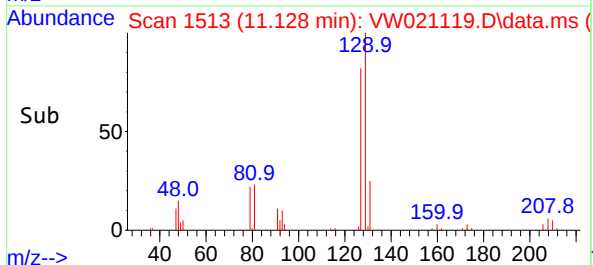
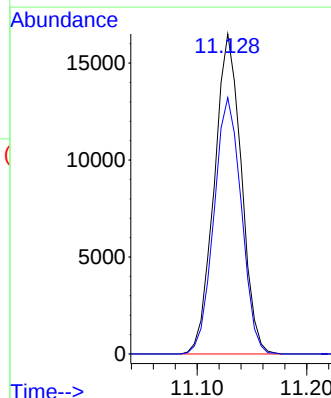
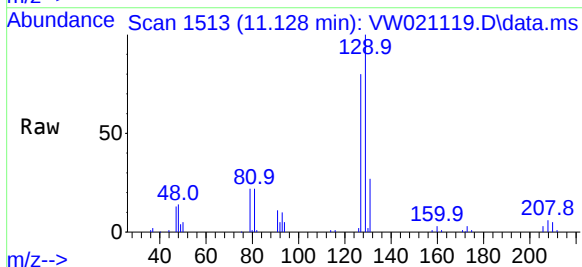
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9F6REMS

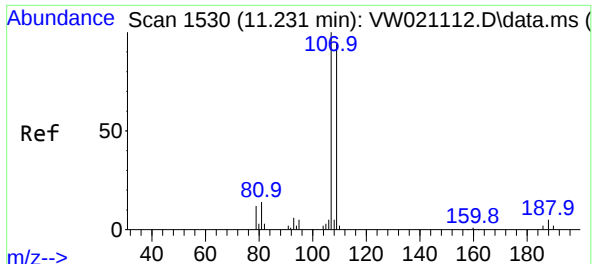
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 28763 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 52.7  | 40.2  | 60.2  |
| 57       | 19.6  | 14.3  | 21.5  |
| 100      | 14.3  | 8.0   | 12.0  |



#49  
Dibromochloromethane  
Concen: 28.614 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. -0.000 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 28326 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 80.1  | 55.7  | 103.5 |

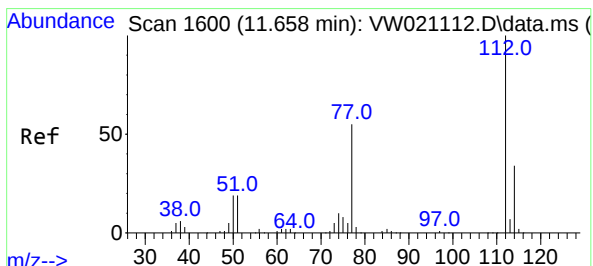
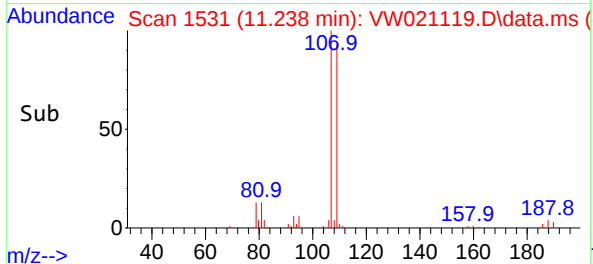
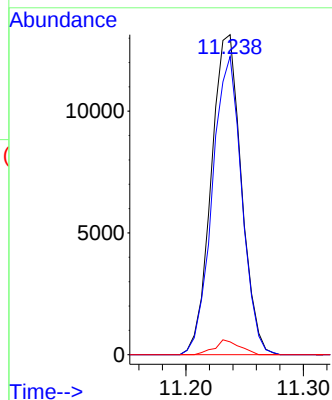
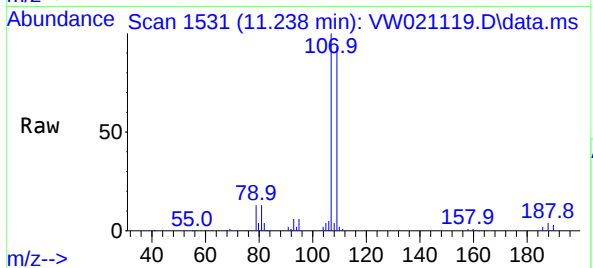




#50  
1,2-Dibromoethane  
Concen: 28.990 ug/L  
RT: 11.238 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

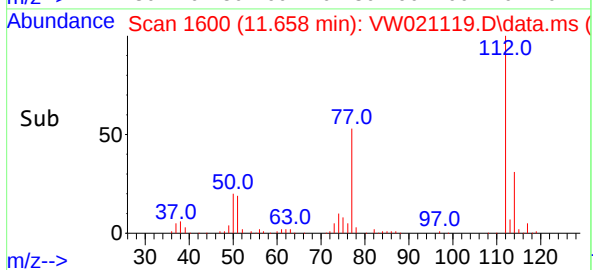
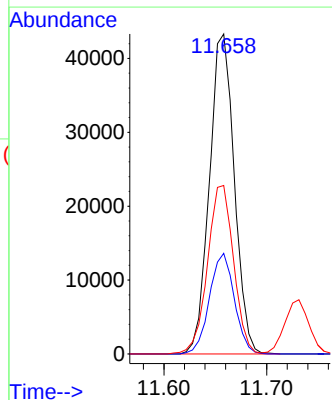
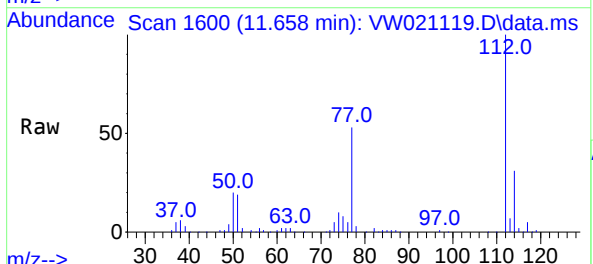
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9F6REMS

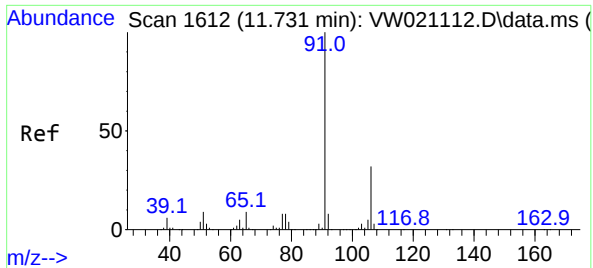
Tgt Ion:107 Resp: 23416  
Ion Ratio Lower Upper  
107 100  
109 93.2 64.1 119.1  
188 4.0 2.6 3.8#



#51  
Chlorobenzene  
Concen: 22.835 ug/L  
RT: 11.658 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

Tgt Ion:112 Resp: 72846  
Ion Ratio Lower Upper  
112 100  
114 31.4 22.4 41.6  
77 52.6 50.2 75.4

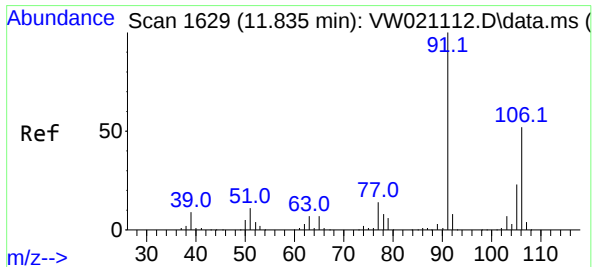
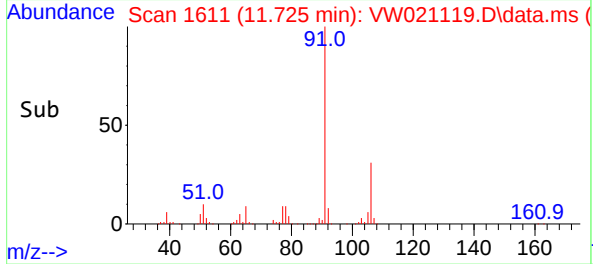
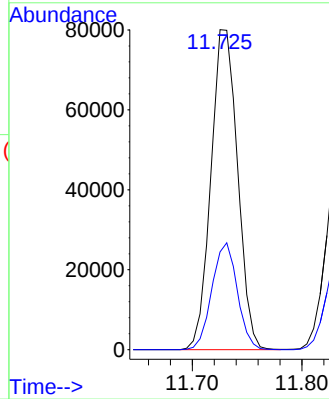
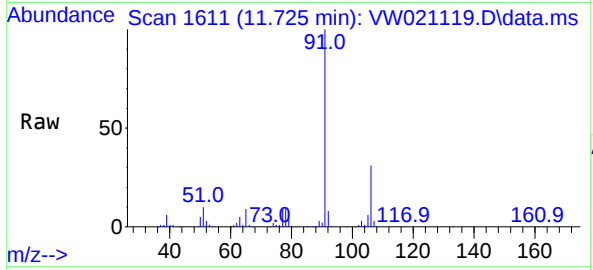




#52  
Ethylbenzene  
Concen: 25.175 ug/L  
RT: 11.725 min Scan# 1611  
Delta R.T. -0.006 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

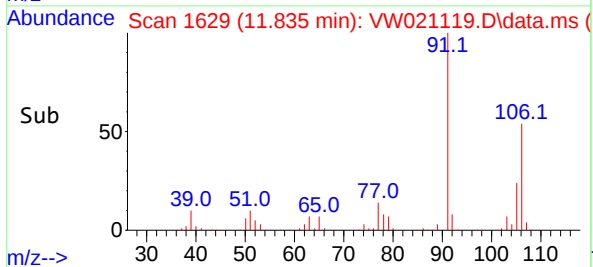
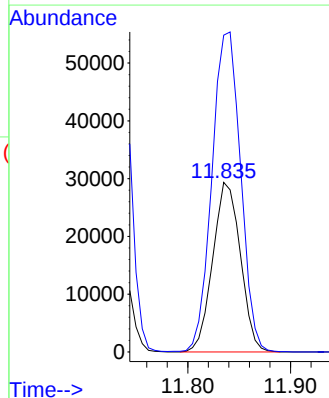
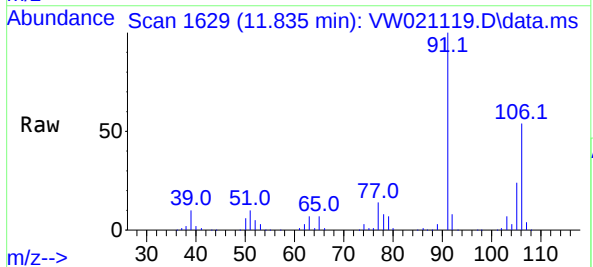
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9F6REMS

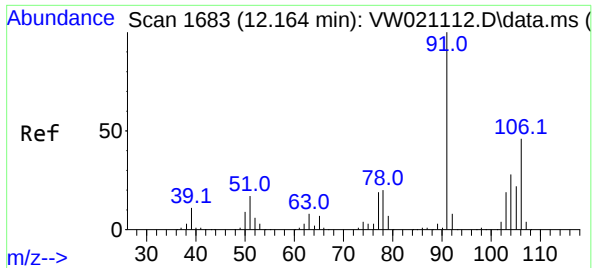
Tgt Ion: 91 Resp: 135309  
Ion Ratio Lower Upper  
91 100  
106 30.6 21.5 39.9



#53  
m,p-Xylene  
Concen: 24.649 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. -0.006 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

Tgt Ion:106 Resp: 54805  
Ion Ratio Lower Upper  
106 100  
91 186.8 149.9 278.3

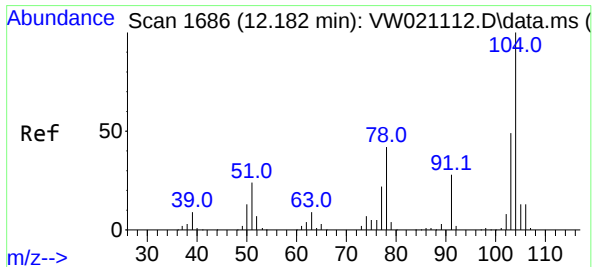
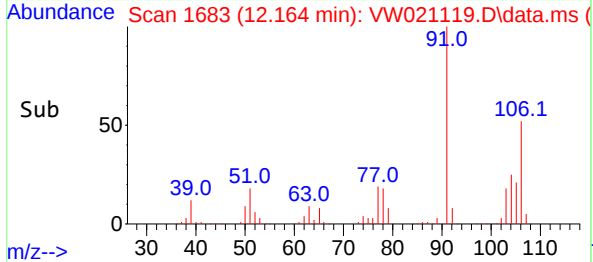
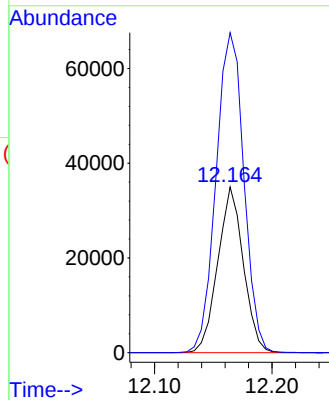
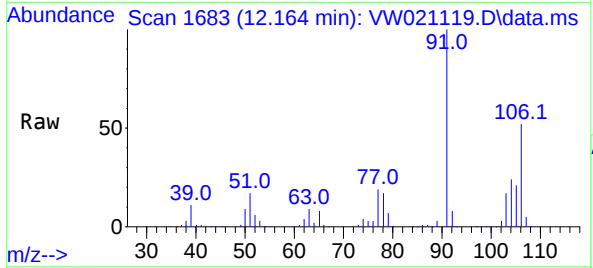




#54  
o-Xylene  
Concen: 25.237 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

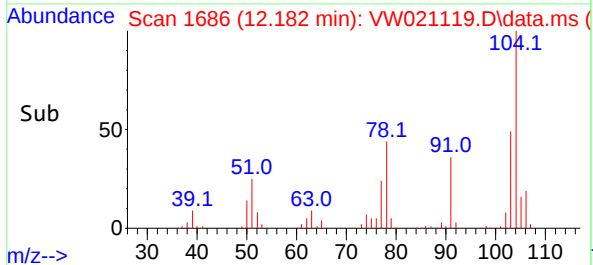
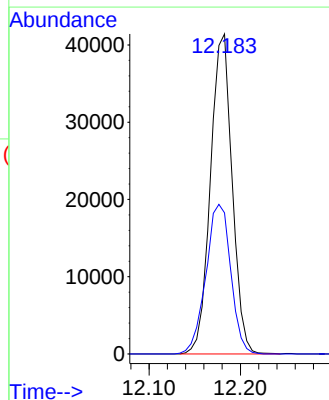
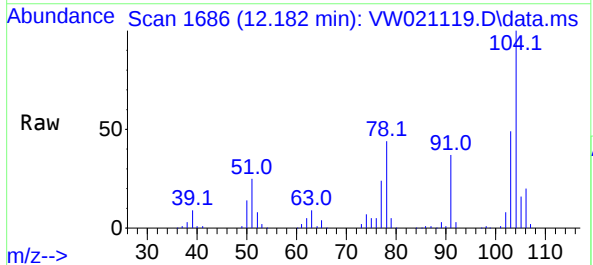
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9F6REMS

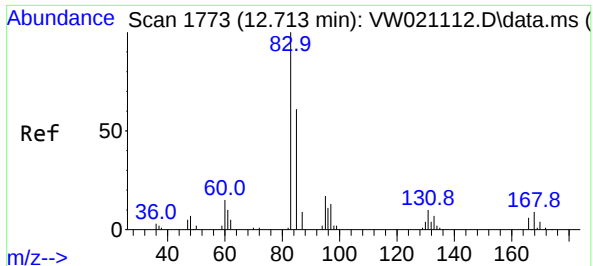
Tgt Ion:106 Resp: 52905  
Ion Ratio Lower Upper  
106 100  
91 193.0 153.6 285.3



#55  
Styrene  
Concen: 19.100 ug/L  
RT: 12.182 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

Tgt Ion:104 Resp: 68220  
Ion Ratio Lower Upper  
104 100  
78 44.1 34.4 64.0





#57

1,1,2-Tetrachloroethane

Concen: 27.500 ug/L

RT: 12.713 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021119.D

Acq: 04 Dec 2021 15:39

Instrument :

MSVOA\_W

ClientSampleId :

EW9F6REMS

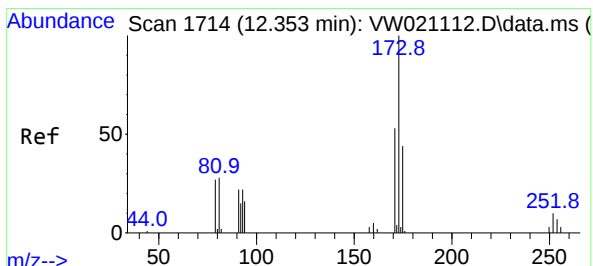
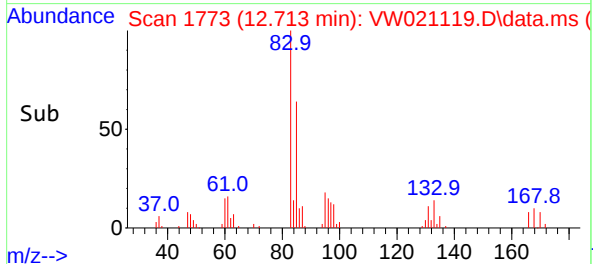
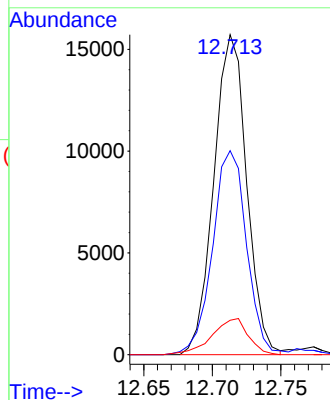
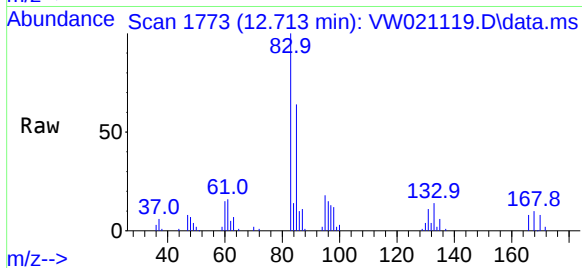
Tgt Ion: 83 Resp: 26199

Ion Ratio Lower Upper

83 100

85 63.8 44.0 81.6

131 10.7 6.9 10.3#



#59

Bromoform

Concen: 41.651 ug/L

RT: 12.353 min Scan# 1714

Delta R.T. 0.006 min

Lab File: VW021119.D

Acq: 04 Dec 2021 15:39

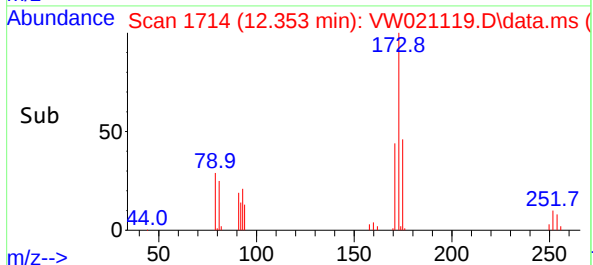
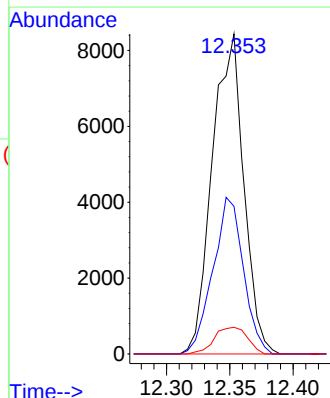
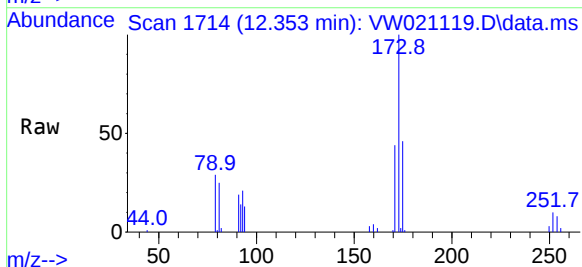
Tgt Ion:173 Resp: 14572

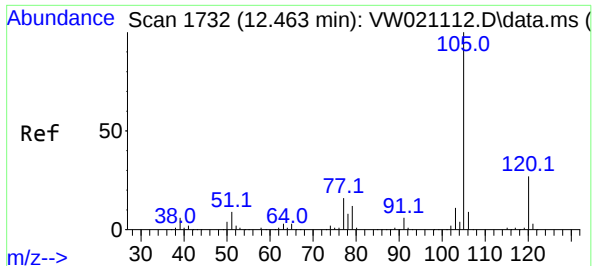
Ion Ratio Lower Upper

173 100

175 47.4 39.6 59.4

254 8.8 7.4 11.0

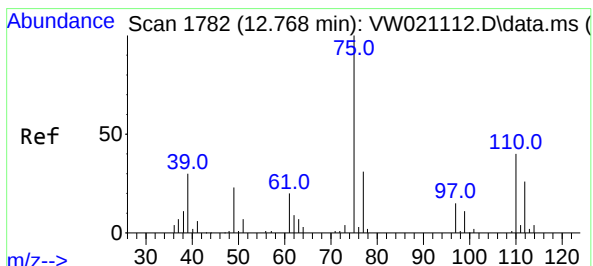
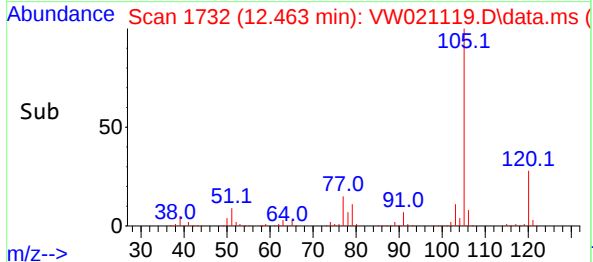
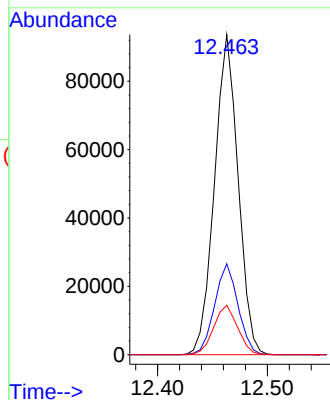
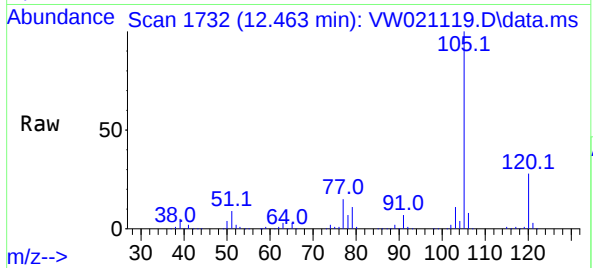




#60  
Isopropylbenzene  
Concen: 41.094 ug/L  
RT: 12.463 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

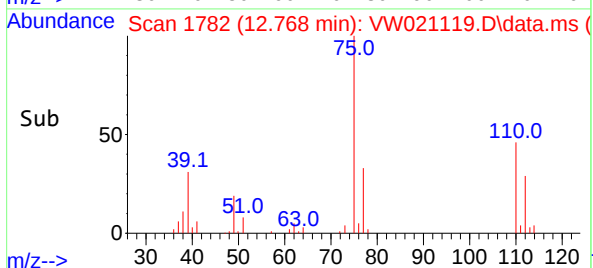
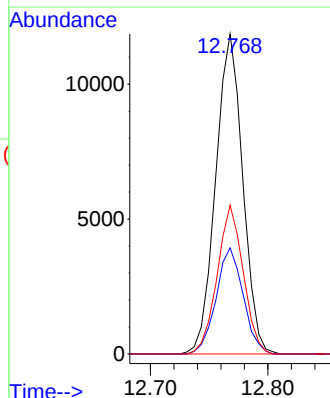
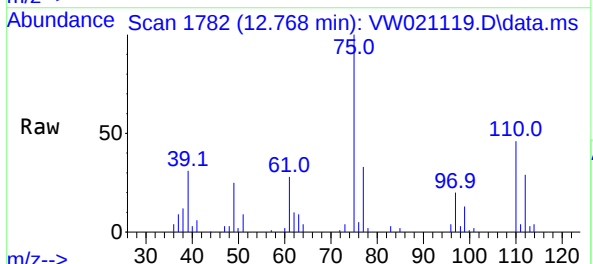
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9F6REMS

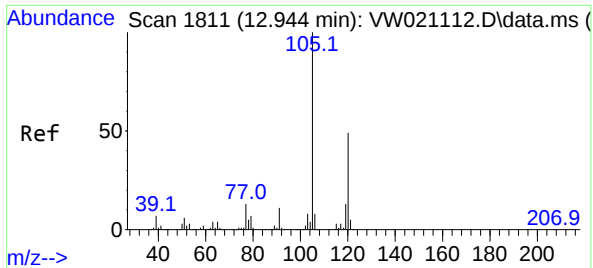
Tgt Ion:105 Resp: 140110  
Ion Ratio Lower Upper  
105 100  
120 28.1 20.1 30.1  
77 15.7 13.8 20.8



#61  
1,2,3-Trichloropropane  
Concen: 46.079 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. -0.000 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

Tgt Ion: 75 Resp: 18937  
Ion Ratio Lower Upper  
75 100  
77 33.2 25.8 38.8  
110 44.7 29.0 43.4#





#62

1,3,5-Trimethylbenzene

Concen: 38.429 ug/L

RT: 12.945 min Scan# 1811

Delta R.T. -0.000 min

Lab File: VW021119.D

Acq: 04 Dec 2021 15:39

Instrument :

MSVOA\_W

ClientSampleId :

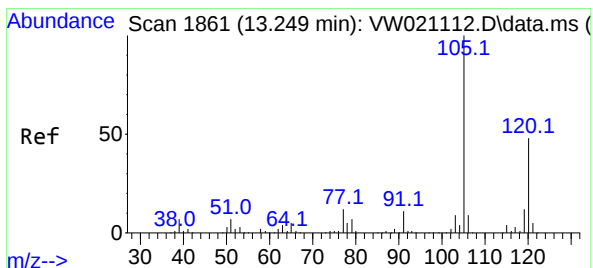
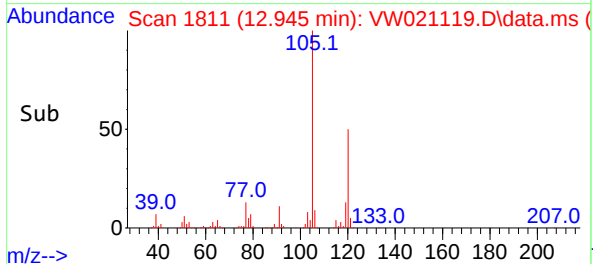
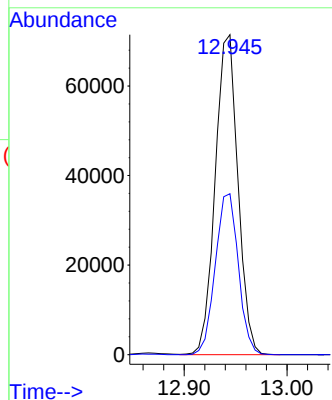
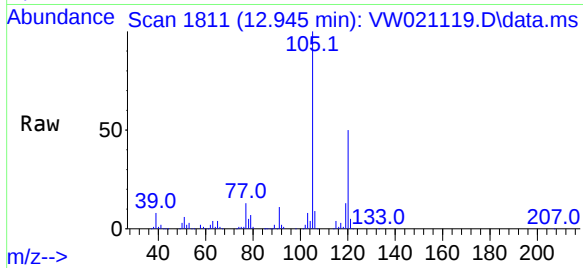
EW9F6REMS

Tgt Ion:105 Resp: 109725

Ion Ratio Lower Upper

105 100

120 51.0 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 34.170 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021119.D

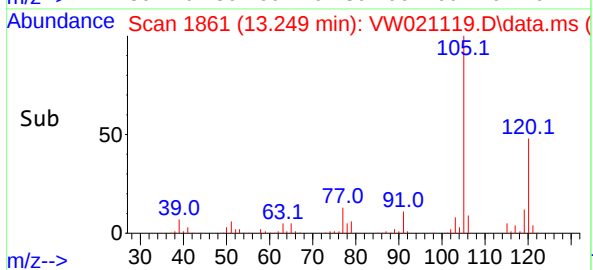
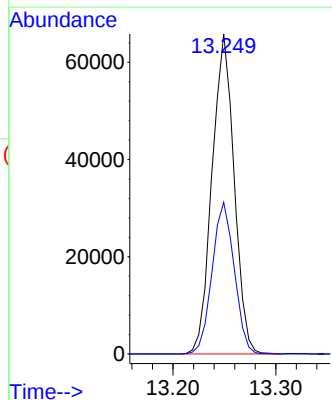
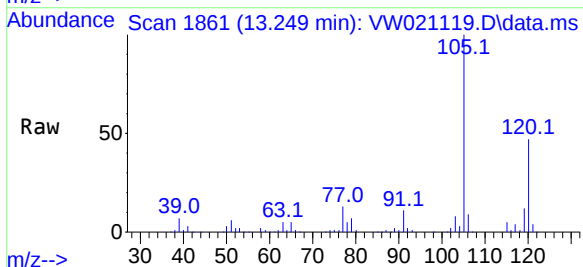
Acq: 04 Dec 2021 15:39

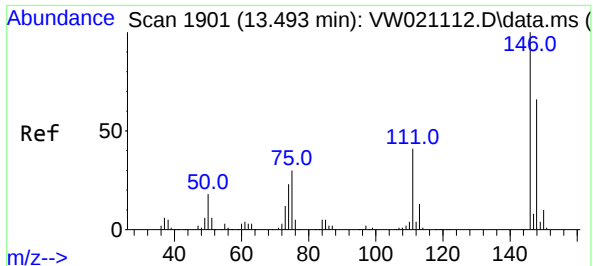
Tgt Ion:105 Resp: 98125

Ion Ratio Lower Upper

105 100

120 47.5 35.0 52.6

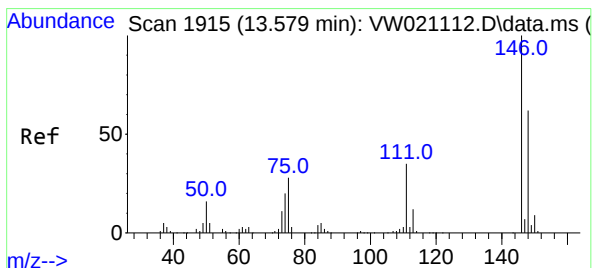
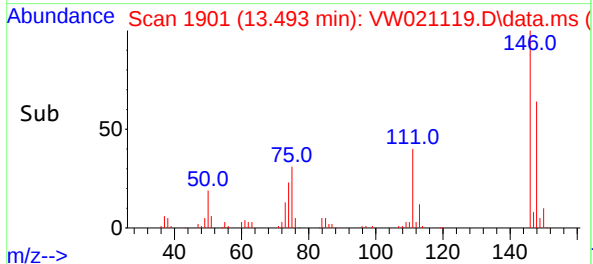
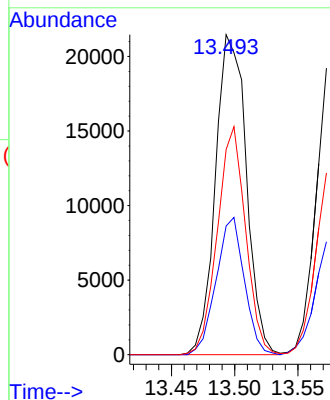
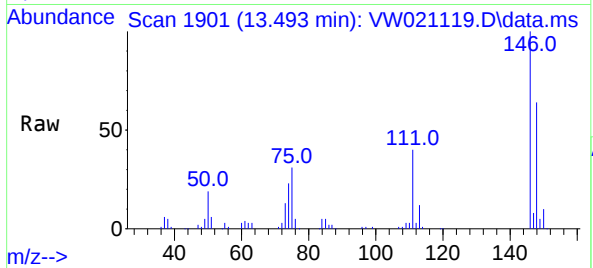




#64  
1,3-Dichlorobenzene  
Concen: 22.649 ug/L  
RT: 13.493 min Scan# 1901  
Delta R.T. -0.006 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

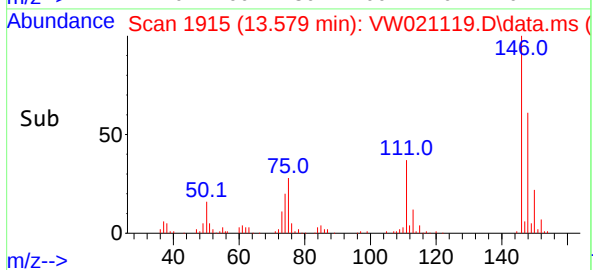
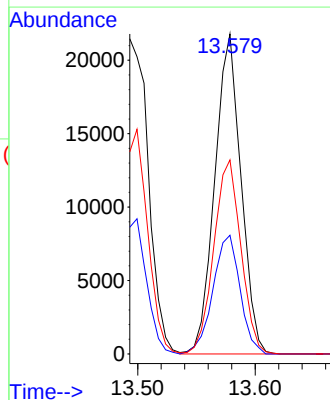
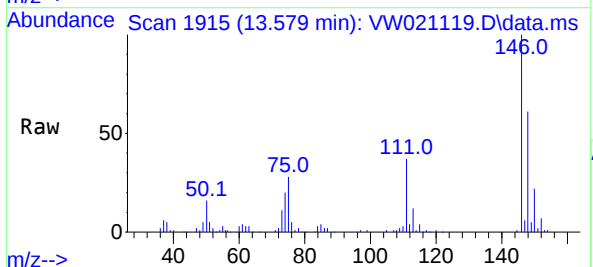
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9F6REMS

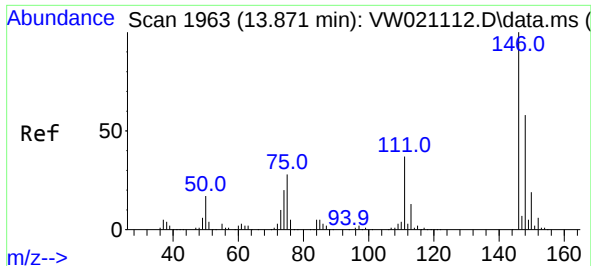
Tgt Ion:146 Resp: 36361  
Ion Ratio Lower Upper  
146 100  
111 40.2 29.8 55.3  
148 64.1 46.2 85.8



#65  
1,4-Dichlorobenzene  
Concen: 20.829 ug/L  
RT: 13.579 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

Tgt Ion:146 Resp: 33795  
Ion Ratio Lower Upper  
146 100  
111 37.1 29.0 53.9  
148 60.7 46.9 87.1

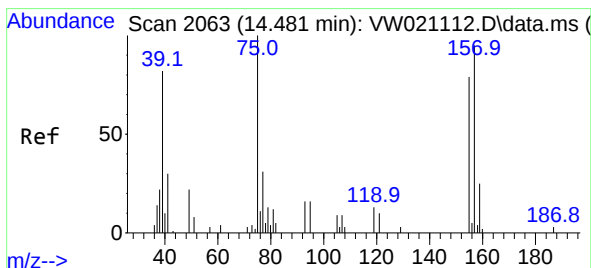
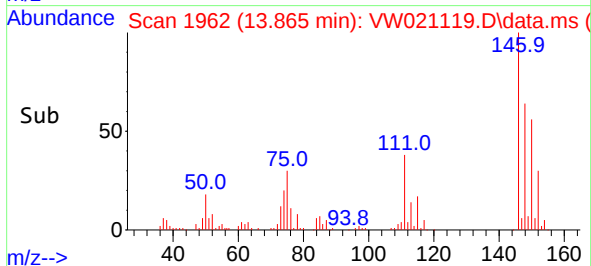
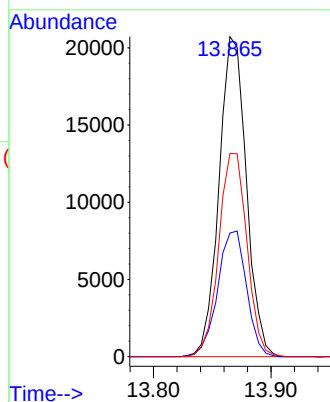
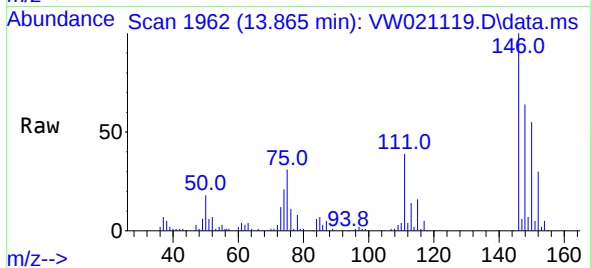




#67  
1,2-Dichlorobenzene  
Concen: 23.433 ug/L  
RT: 13.865 min Scan# 1962  
Delta R.T. -0.006 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

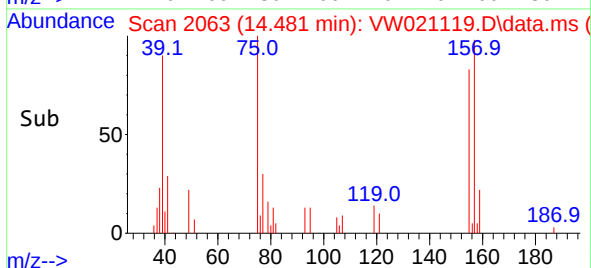
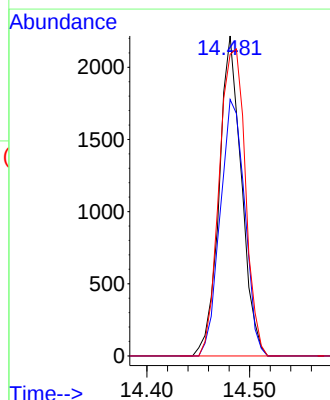
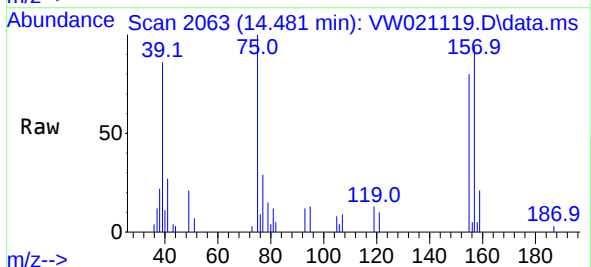
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9F6REMS

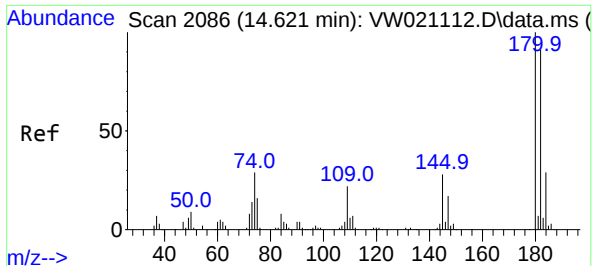
Tgt Ion:146 Resp: 33496  
Ion Ratio Lower Upper  
146 100  
111 38.6 33.1 49.7  
148 63.5 47.4 71.2



#68  
1,2-Dibromo-3-chloropropane  
Concen: 35.991 ug/L  
RT: 14.481 min Scan# 2063  
Delta R.T. -0.000 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

Tgt Ion: 75 Resp: 3340  
Ion Ratio Lower Upper  
75 100  
155 80.2 54.2 81.2  
157 94.3 69.4 104.2





#69

1,3,5-Trichlorobenzene

Concen: 16.198 ug/L

RT: 14.621 min Scan# 2086

Delta R.T. -0.006 min

Lab File: VW021119.D

Acq: 04 Dec 2021 15:39

Instrument :

MSVOA\_W

ClientSampleId :

EW9F6REMS

Tgt Ion:180 Resp: 19111

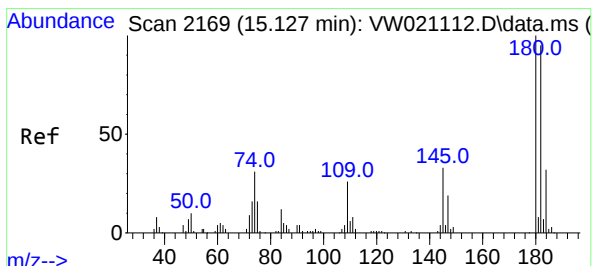
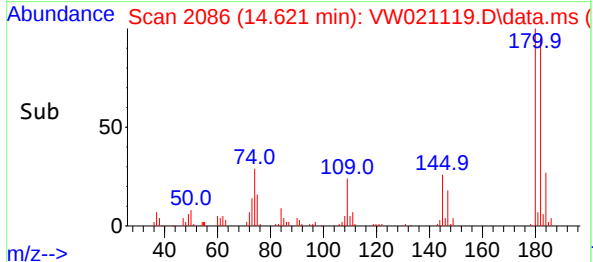
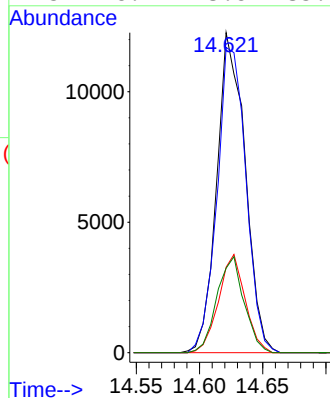
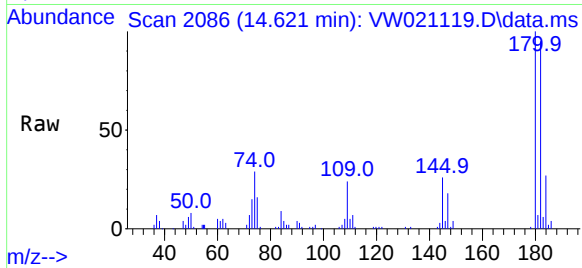
Ion Ratio Lower Upper

180 100

182 97.4 75.4 113.0

184 28.8 23.8 35.8

145 28.7 23.8 35.8



#70

1,2,4-trichlorobenzene

Concen: 10.344 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.000 min

Lab File: VW021119.D

Acq: 04 Dec 2021 15:39

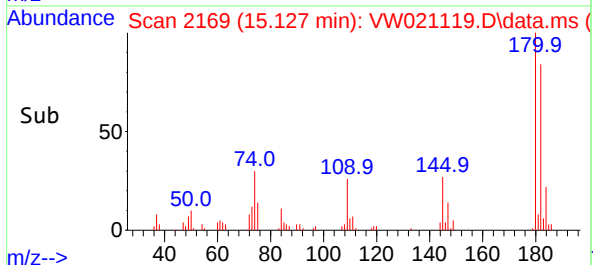
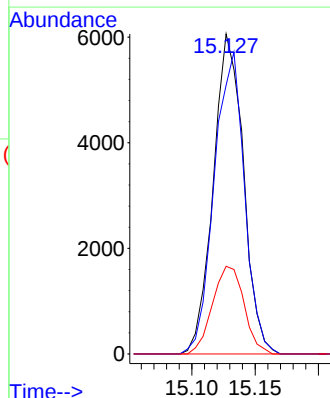
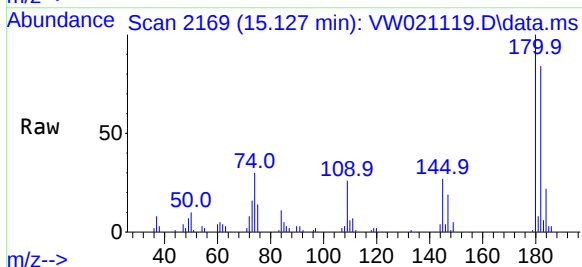
Tgt Ion:180 Resp: 10029

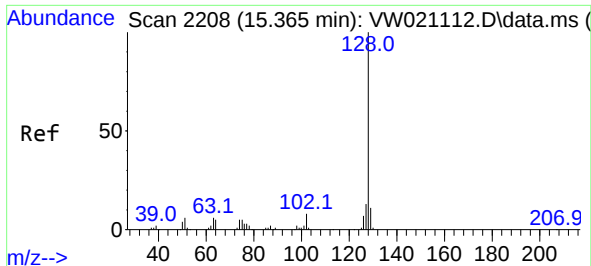
Ion Ratio Lower Upper

180 100

182 94.5 79.0 118.6

145 28.6 26.0 39.0

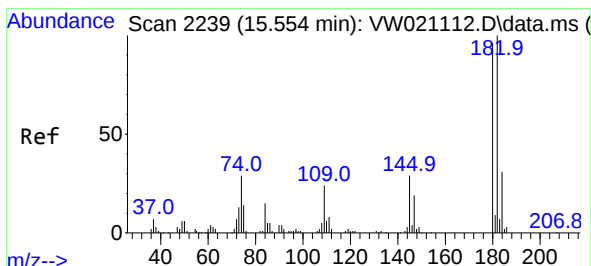
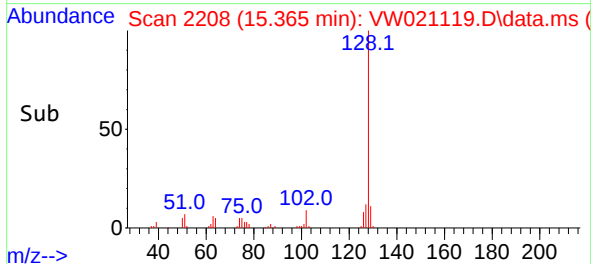
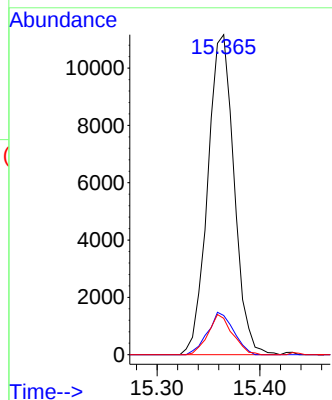
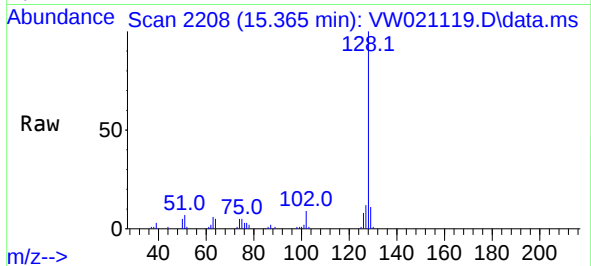




#71  
Naphthalene  
Concen: 11.031 ug/L  
RT: 15.365 min Scan# 2119  
Delta R.T. -0.000 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9F6REMS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 19882 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 13.0  | 10.7  | 16.1  |
| 129       | 11.6  | 8.6   | 12.8  |



#72  
1,2,3-Trichlorobenzene  
Concen: 9.799 ug/L  
RT: 15.548 min Scan# 2238  
Delta R.T. -0.006 min  
Lab File: VW021119.D  
Acq: 04 Dec 2021 15:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 8291  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 98.1  | 76.6  | 114.8 |
| 145       | 32.6  | 27.4  | 41.0  |

