

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092321\  
 Data File : VW020144.D  
 Acq On : 23 Sep 2021 14:25  
 Operator : SY/VA  
 Sample : M3834-15MS  
 Misc : 4.52g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW411

Quant Time: Sep 24 01:41:52 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092121SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Sep 24 01:36:59 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.848  | 114   | 320470   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 228374   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 57171    | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.361  | 65    | 146135   | 22.290   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 89.160%   |
| 7) Chloroethane-d5            | 2.897  | 69    | 118846   | 24.063   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 96.240%   |
| 11) 1,1-Dichloroethene-d2     | 4.031  | 63    | 232022   | 22.603   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 90.400%   |
| 21) 2-Butanone-d5             | 7.080  | 46    | 30127    | 29.779   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 59.560%   |
| 24) Chloroform-d              | 7.653  | 84    | 250465   | 24.851   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 99.400%   |
| 26) 1,2-Dichloroethane-d4     | 8.311  | 65    | 121022   | 22.311   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 89.240%   |
| 32) Benzene-d6                | 8.281  | 84    | 462664   | 31.755   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 127.000%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 133033   | 31.550   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 126.200%# |
| 41) Toluene-d8                | 10.323 | 98    | 381134   | 28.750   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 115.000%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 40994    | 22.746   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 91.000%   |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 23007    | 39.428   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 78.860%   |
| 56) 1,1,2,2-Tetrachloroeth... | 12.694 | 84    | 71175    | 21.883   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 87.520%   |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 46813    | 21.837   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 87.360%   |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 2.013  | 85    | 80533    | 28.691   | ug/L   | 95        |
| 3) Chloromethane              | 2.221  | 50    | 103894   | 26.768   | ug/L   | 98        |
| 5) Vinyl chloride             | 2.367  | 62    | 162044   | 26.588   | ug/L   | 99        |
| 6) Bromomethane               | 2.788  | 94    | 91753    | 23.287   | ug/L   | 98        |
| 8) Chloroethane               | 2.934  | 64    | 98657    | 26.768   | ug/L   | 99        |
| 9) Trichlorofluoromethane     | 3.269  | 101   | 113774   | 26.533   | ug/L   | 99        |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.074  | 101   | 110793   | 23.635   | ug/L   | 99        |
| 12) 1,1-Dichloroethene        | 4.044  | 96    | 109709   | 25.814   | ug/L   | 95        |
| 13) Acetone                   | 4.123  | 43    | 61000    | 70.401   | ug/L   | 99        |
| 14) Carbon disulfide          | 4.391  | 76    | 276008   | 20.651   | ug/L   | 100       |
| 15) Methyl Acetate            | 4.678  | 43    | 30342    | 18.312   | ug/L   | 99        |
| 16) Methylene chloride        | 4.922  | 84    | 121502   | 21.486   | ug/L   | 97        |
| 17) trans-1,2-Dichloroethene  | 5.434  | 96    | 109311   | 24.415   | ug/L   | 99        |
| 18) Methyl tert-butyl Ether   | 5.434  | 73    | 125270   | 23.569   | ug/L   | 99        |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 221877   | 26.868   | ug/L   | 99        |
| 20) cis-1,2-Dichloroethene    | 7.177  | 96    | 112256   | 24.653   | ug/L   | 100       |
| 22) 2-Butanone                | 7.171  | 43    | 56761    | 50.494   | ug/L   | 96        |
| 23) Bromochloromethane        | 7.519  | 128   | 49192    | 23.832   | ug/L   | 98        |
| 25) Chloroform                | 7.683  | 83    | 224815   | 26.034   | ug/L   | 98        |

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 Quant Title : SFAM01.0  
 QLast Update : Fri Sep 24 01:36:59 2021  
 Response via : Initial Calibration

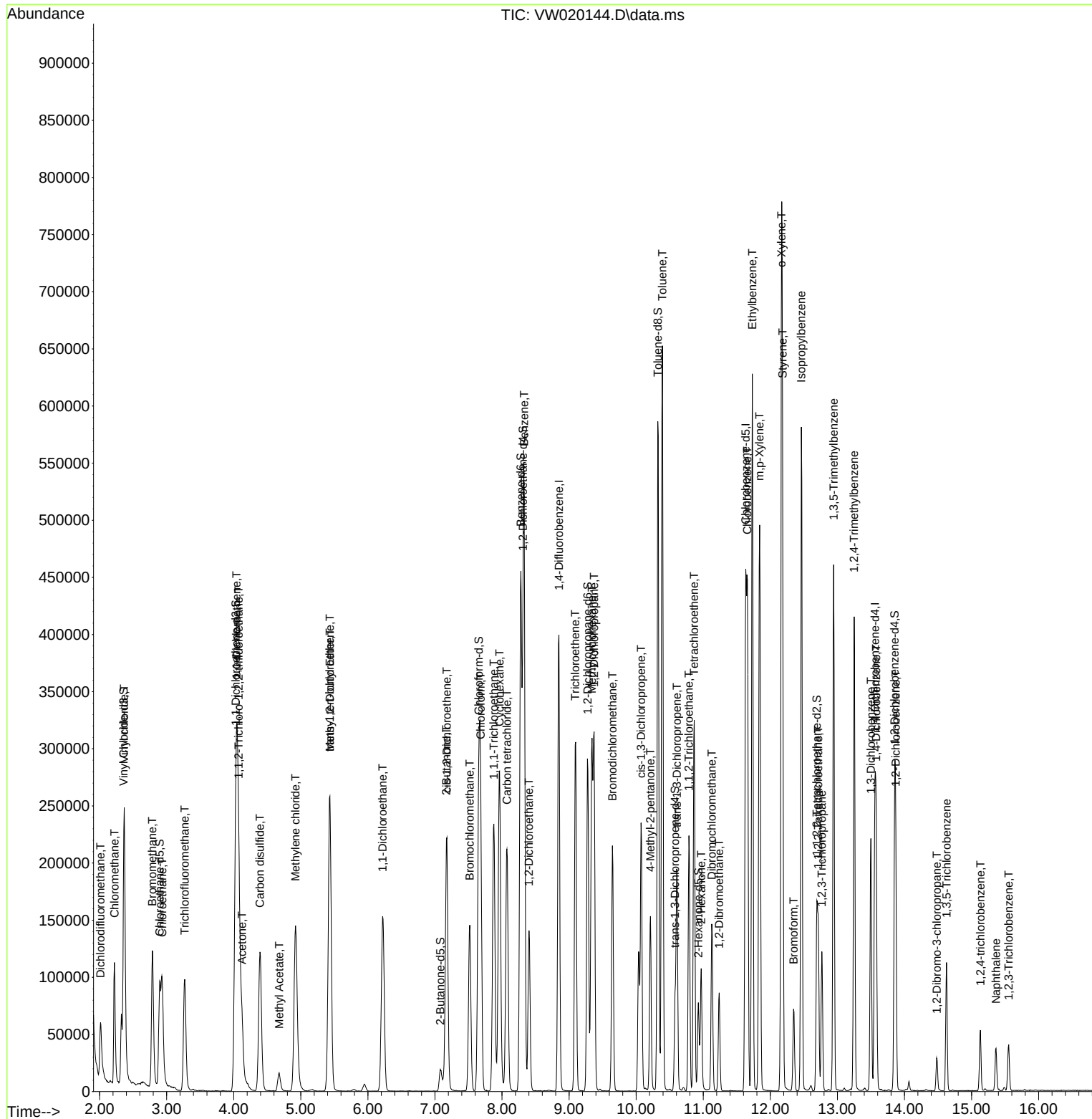
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 132836   | 23.375 | ug/L  | 99       |
| 29) Cyclohexane               | 7.964  | 56   | 144591   | 28.454 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 7.878  | 97   | 191323   | 33.809 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 8.073  | 117  | 164499   | 31.948 | ug/L  | 100      |
| 33) Benzene                   | 8.329  | 78   | 472150   | 34.257 | ug/L  | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 108466   | 29.398 | ug/L  | 97       |
| 35) Methylcyclohexane         | 9.341  | 83   | 113987   | 18.961 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 112585   | 32.979 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.646  | 83   | 139518   | 30.180 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 131900   | 26.196 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.213 | 43   | 94401    | 54.906 | ug/L  | 99       |
| 42) Toluene                   | 10.390 | 91   | 471863   | 32.225 | ug/L  | 96       |
| 44) trans-1,3-Dichloropropene | 10.610 | 75   | 106944   | 23.646 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 68631    | 27.418 | ug/L  | 97       |
| 46) Tetrachloroethene         | 10.866 | 164  | 71615    | 25.112 | ug/L  | 97       |
| 48) 2-Hexanone                | 10.969 | 43   | 69681    | 58.181 | ug/L  | 92       |
| 49) Dibromochloromethane      | 11.128 | 129  | 73104    | 24.993 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 11.237 | 107  | 56449    | 23.962 | ug/L  | 98       |
| 51) Chlorobenzene             | 11.658 | 112  | 216557   | 22.739 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.731 | 91   | 412076   | 25.550 | ug/L  | 98       |
| 53) m,p-Xylene                | 11.841 | 106  | 152878   | 24.864 | ug/L  | 97       |
| 54) o-Xylene                  | 12.164 | 106  | 144416   | 25.391 | ug/L  | 98       |
| 55) Styrene                   | 12.182 | 104  | 199785   | 20.214 | ug/L  | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 63171    | 21.129 | ug/L  | 100      |
| 59) Bromoform                 | 12.347 | 173  | 30412    | 39.016 | ug/L  | 98       |
| 60) Isopropylbenzene          | 12.463 | 105  | 348468   | 45.459 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 50171    | 46.475 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.944 | 105  | 232288   | 36.923 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 213408   | 34.532 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 85277    | 24.258 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 13.578 | 146  | 80435    | 22.140 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 71483    | 22.326 | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 7737     | 31.927 | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 32034    | 13.174 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.133 | 180  | 15937    | 8.493  | ug/L  | 96       |
| 71) Naphthalene               | 15.365 | 128  | 31780    | 9.602  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 12938    | 7.657  | ug/L  | 99       |

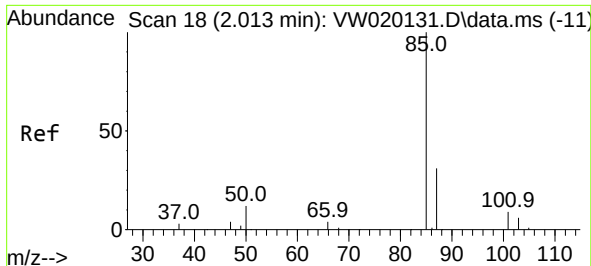
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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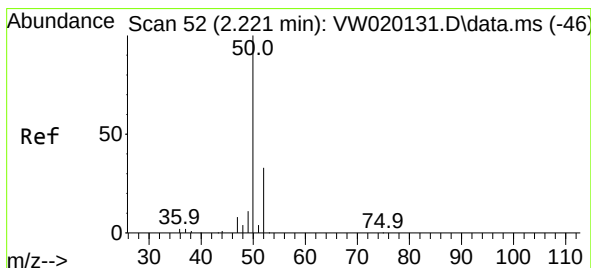
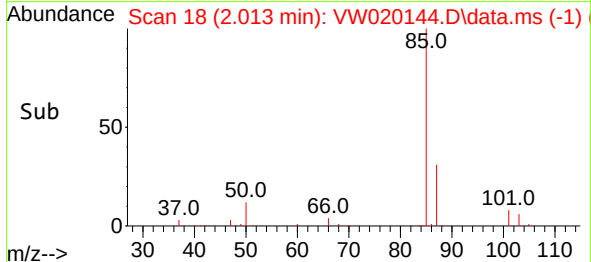
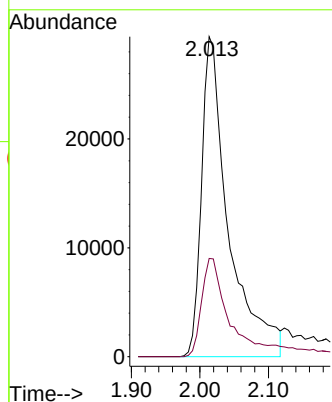
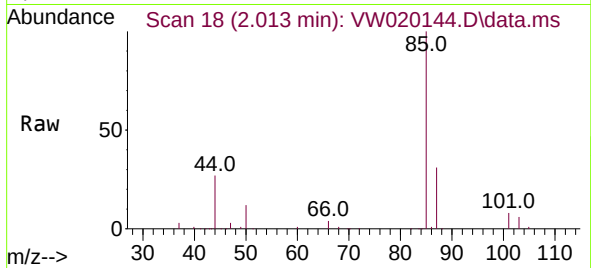




#2  
Dichlorodifluoromethane  
Concen: 28.691 ug/L  
RT: 2.013 min Scan# 18  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

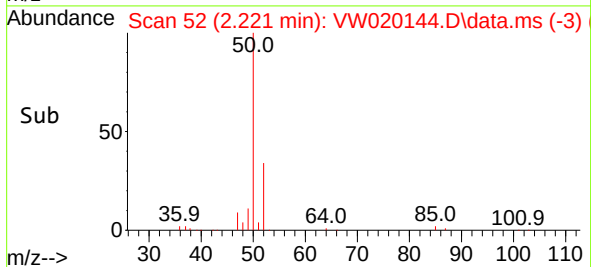
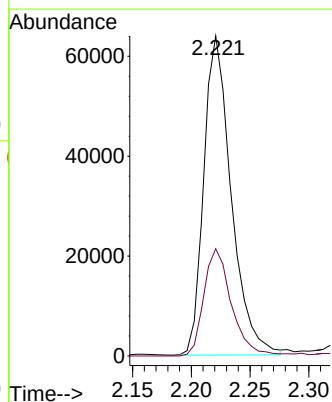
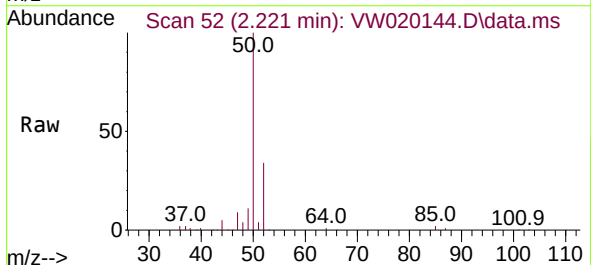
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW411

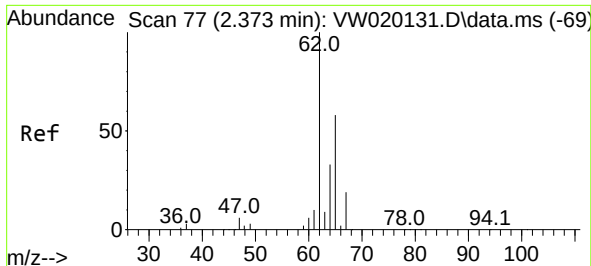
Tgt Ion: 85 Resp: 80533  
Ion Ratio Lower Upper  
85 100  
87 30.2 26.3 39.5



#3  
Chloromethane  
Concen: 26.768 ug/L  
RT: 2.221 min Scan# 52  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

Tgt Ion: 50 Resp: 103894  
Ion Ratio Lower Upper  
50 100  
52 33.5 22.5 41.9

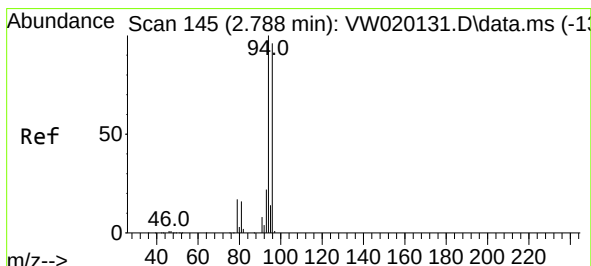
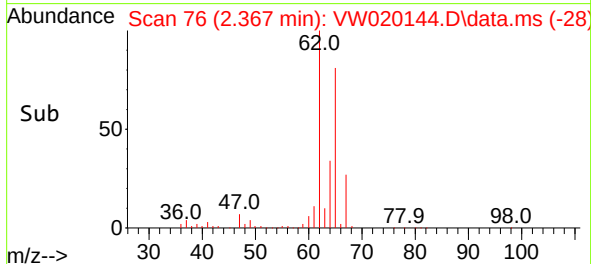
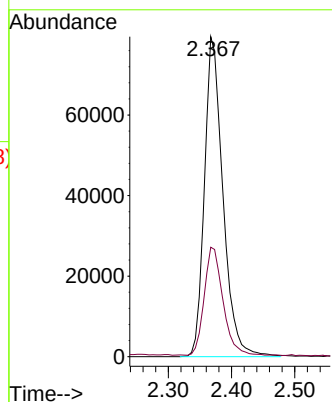
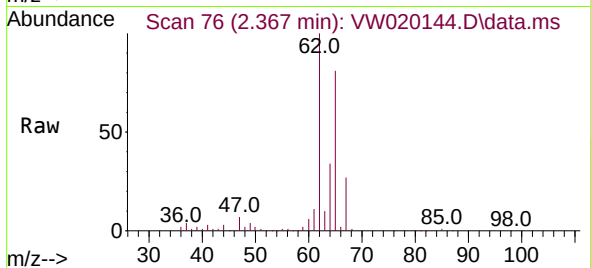




#5  
 Vinyl chloride  
 Concen: 26.588 ug/L  
 RT: 2.367 min Scan# 76  
 Delta R.T. -0.006 min  
 Lab File: VW020144.D  
 Acq: 23 Sep 2021 14:25

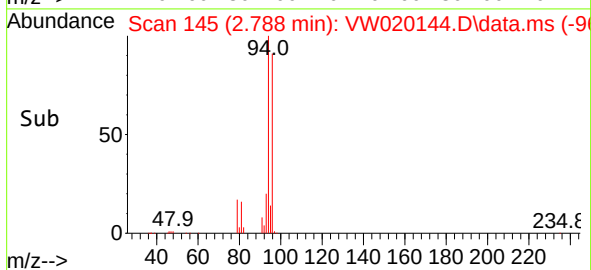
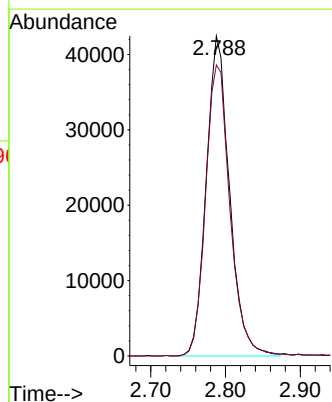
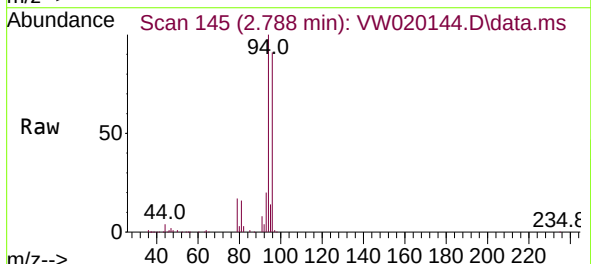
Instrument :  
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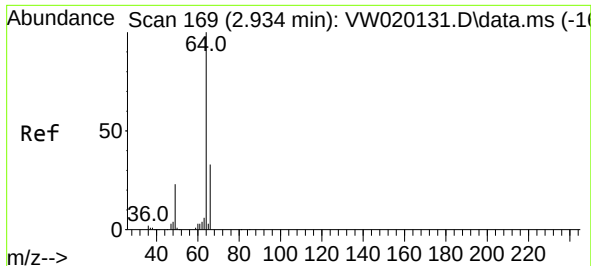
Tgt Ion: 62 Resp: 162044  
 Ion Ratio Lower Upper  
 62 100  
 64 34.2 24.5 45.5



#6  
 Bromomethane  
 Concen: 23.287 ug/L  
 RT: 2.788 min Scan# 145  
 Delta R.T. 0.000 min  
 Lab File: VW020144.D  
 Acq: 23 Sep 2021 14:25

Tgt Ion: 94 Resp: 91753  
 Ion Ratio Lower Upper  
 94 100  
 96 91.0 64.8 120.3

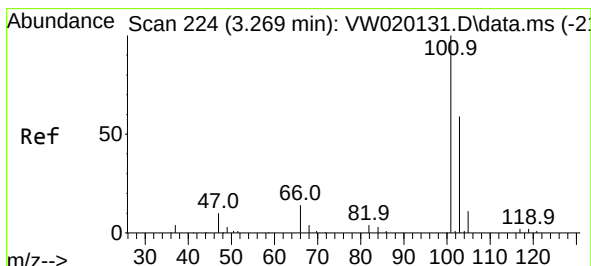
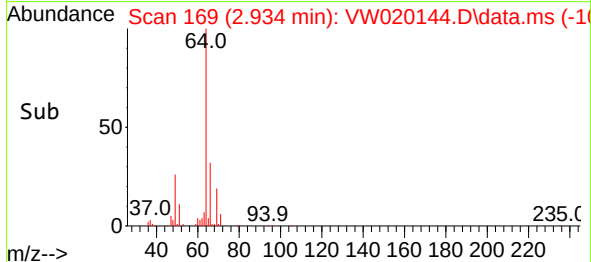
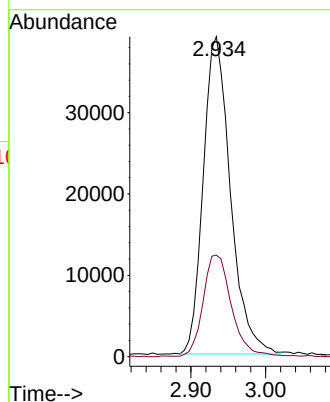
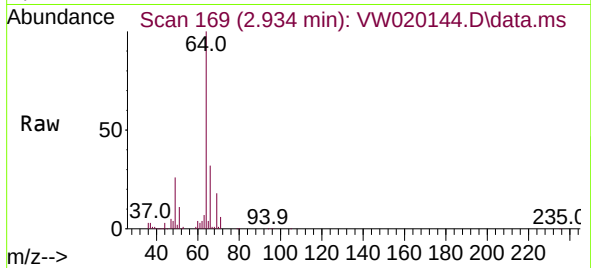




#8  
Chloroethane  
Concen: 26.768 ug/L  
RT: 2.934 min Scan# 169  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

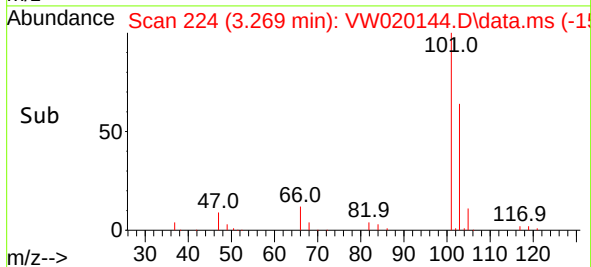
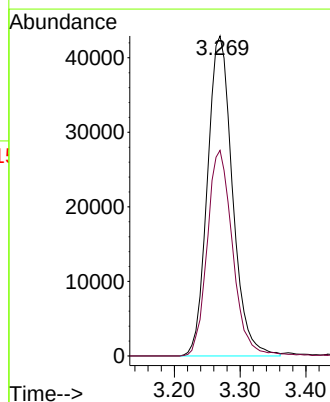
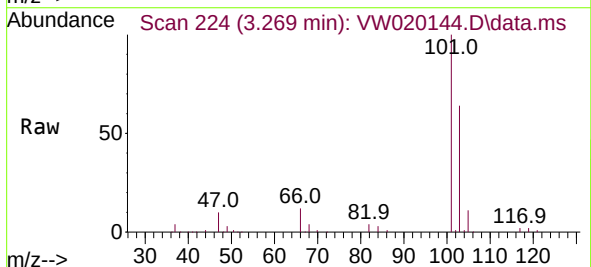
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

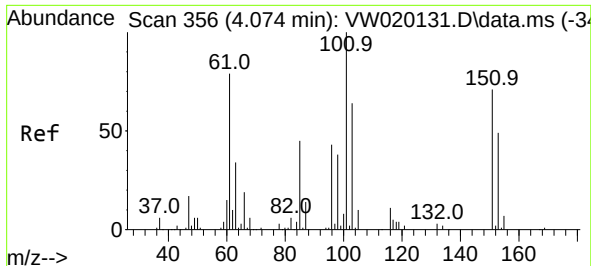
Tgt Ion: 64 Resp: 98657  
Ion Ratio Lower Upper  
64 100  
66 31.8 22.0 40.8



#9  
Trichlorofluoromethane  
Concen: 26.533 ug/L  
RT: 3.269 min Scan# 224  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

Tgt Ion: 101 Resp: 113774  
Ion Ratio Lower Upper  
101 100  
103 65.2 51.3 76.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 23.635 ug/L

RT: 4.074 min Scan# 356

Delta R.T. 0.000 min

Lab File: VW020144.D

Acq: 23 Sep 2021 14:25

Tgt Ion:101 Resp: 110793

Ion Ratio Lower Upper

101 100

85 44.2 35.4 53.0

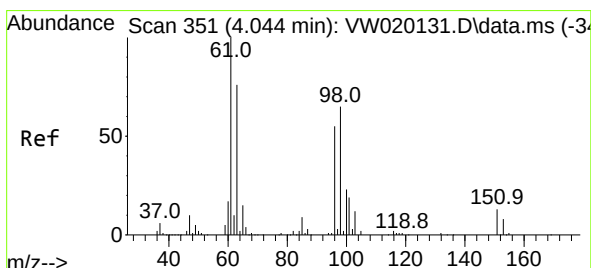
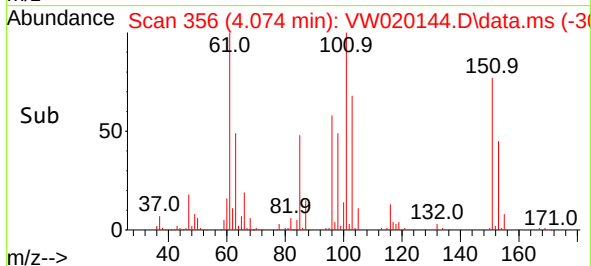
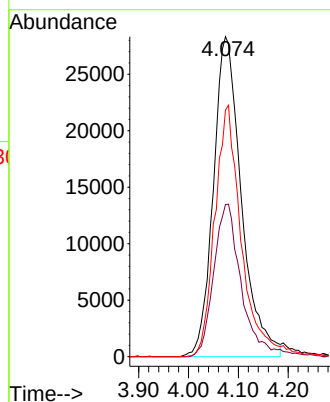
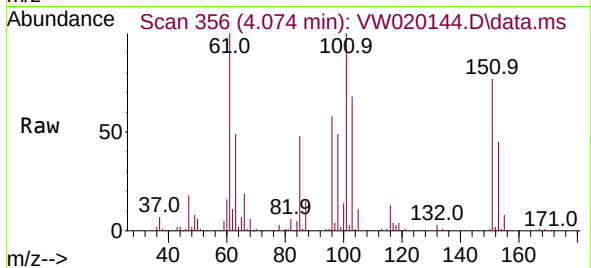
151 72.9 59.0 88.6

Instrument :

MSVOA\_W

ClientSampleId :

EW411



#12

1,1-Dichloroethene

Concen: 25.814 ug/L

RT: 4.044 min Scan# 351

Delta R.T. 0.000 min

Lab File: VW020144.D

Acq: 23 Sep 2021 14:25

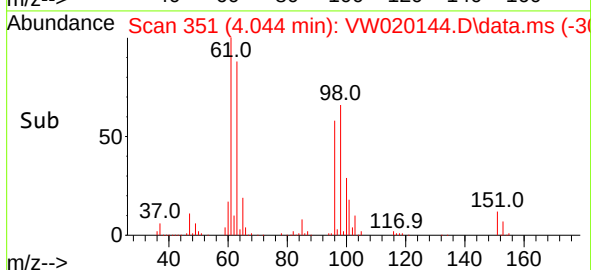
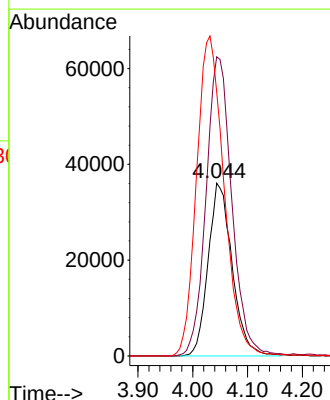
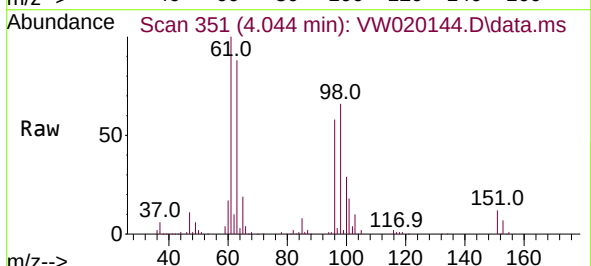
Tgt Ion: 96 Resp: 109709

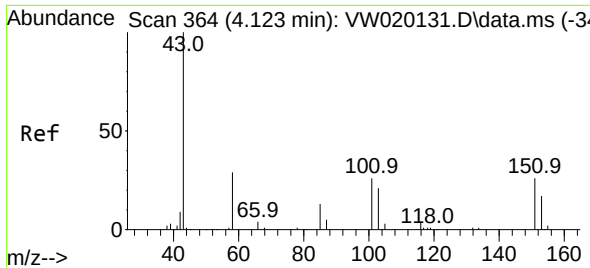
Ion Ratio Lower Upper

96 100

61 173.1 126.1 234.3

63 152.8 112.6 209.0

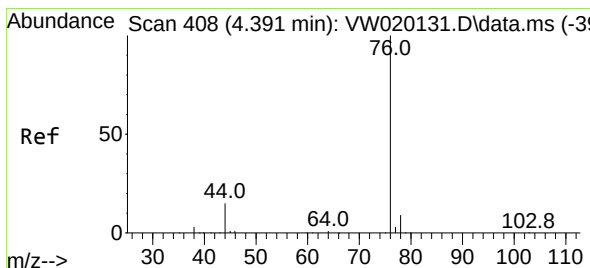
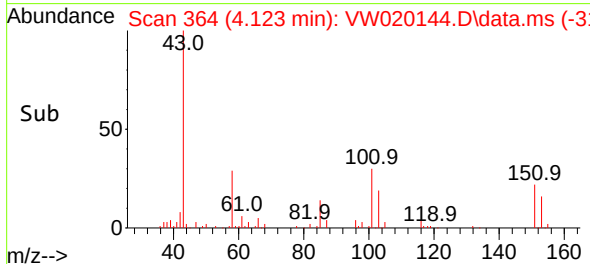
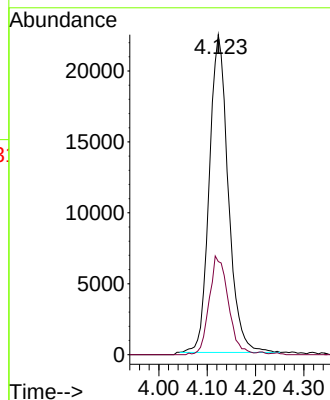
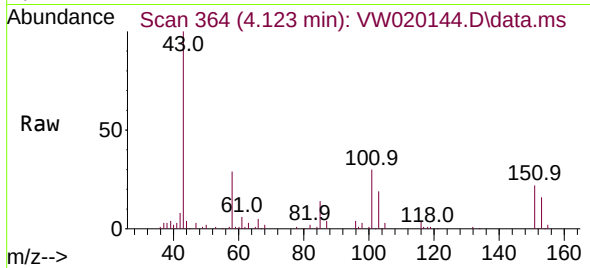




#13  
Acetone  
Concen: 70.401 ug/L  
RT: 4.123 min Scan# 364  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

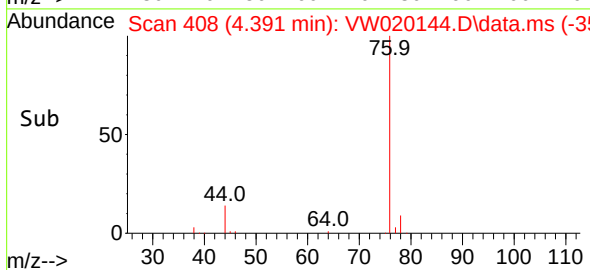
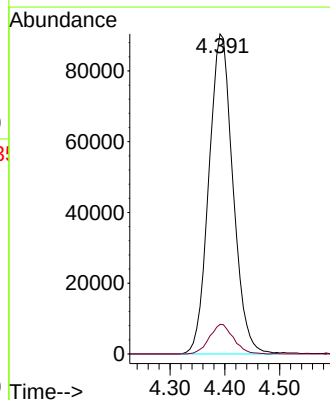
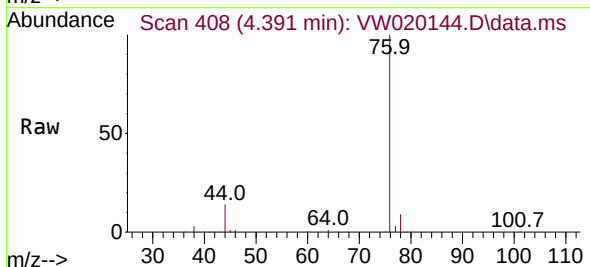
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW411

Tgt Ion: 43 Resp: 61000  
Ion Ratio Lower Upper  
43 100  
58 31.1 0.0 61.6

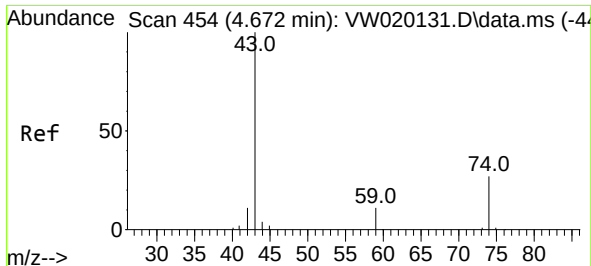


#14  
Carbon disulfide  
Concen: 20.651 ug/L  
RT: 4.391 min Scan# 408  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

Tgt Ion: 76 Resp: 276008  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.5 11.3



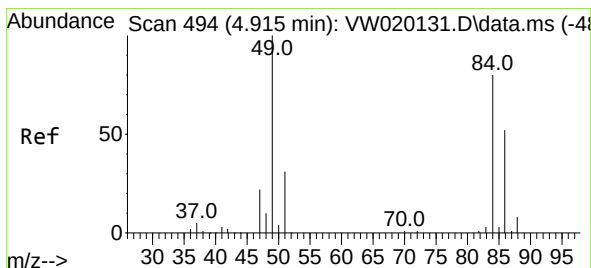
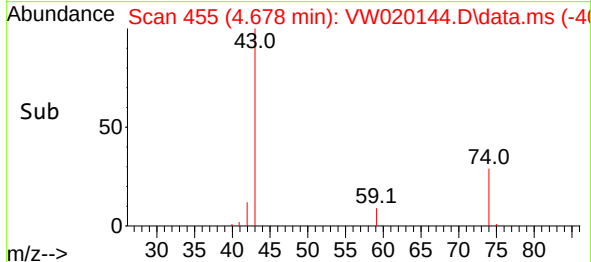
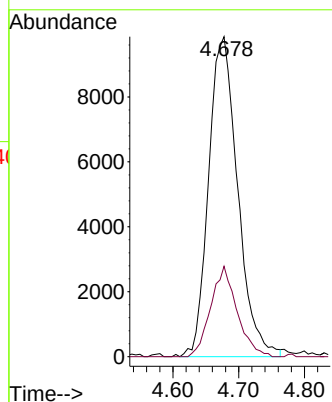
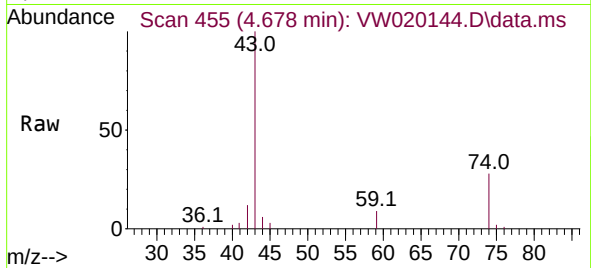




#15  
Methyl Acetate  
Concen: 18.312 ug/L  
RT: 4.678 min Scan# 455  
Delta R.T. 0.006 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

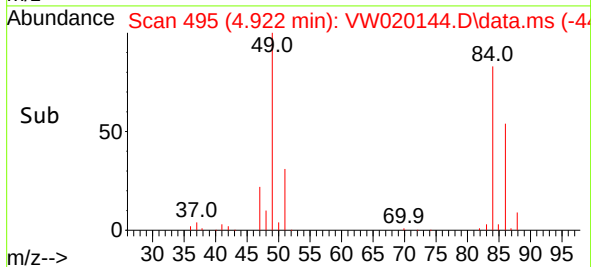
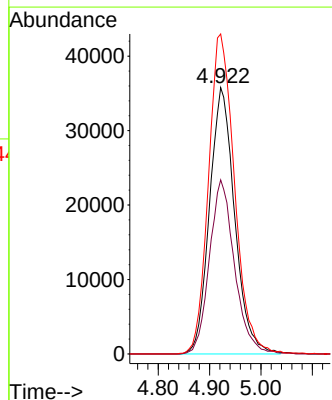
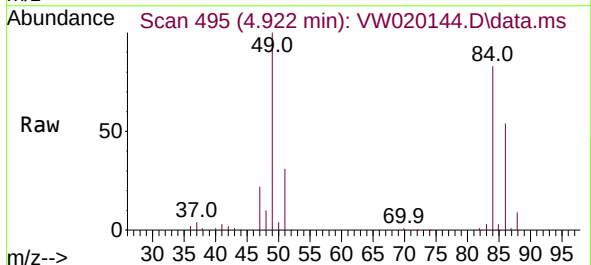
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

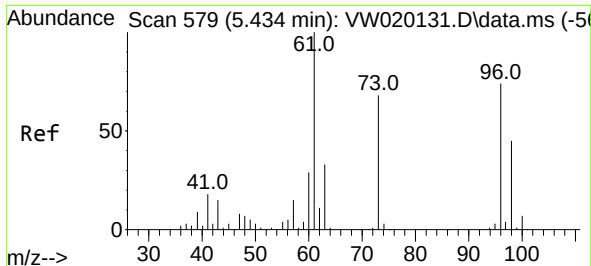
Tgt Ion: 43 Resp: 30342  
Ion Ratio Lower Upper  
43 100  
74 25.5 20.0 30.0



#16  
Methylene chloride  
Concen: 21.486 ug/L  
RT: 4.922 min Scan# 495  
Delta R.T. 0.006 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

Tgt Ion: 84 Resp: 121502  
Ion Ratio Lower Upper  
84 100  
86 65.3 42.6 79.0  
49 120.1 83.4 154.8

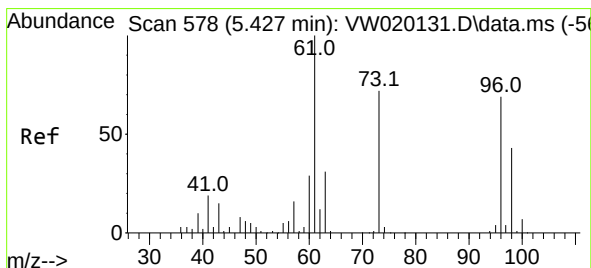
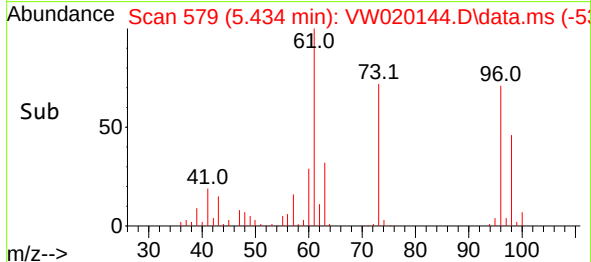
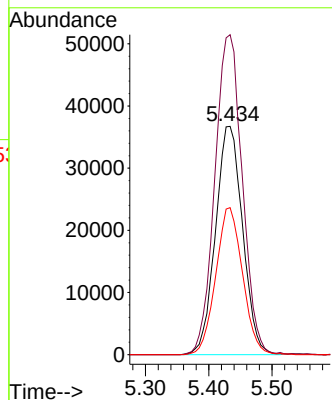
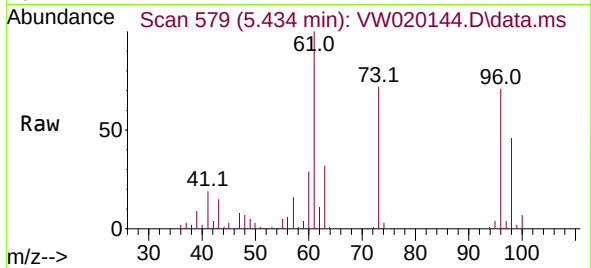




#17  
trans-1,2-Dichloroethene  
Concen: 24.415 ug/L  
RT: 5.434 min Scan# 579  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

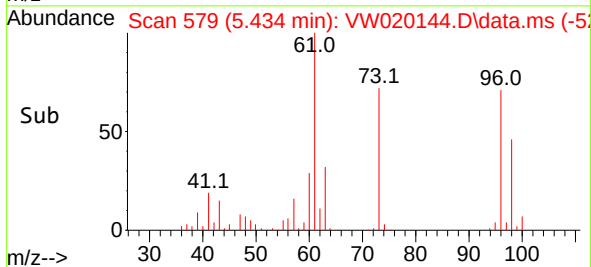
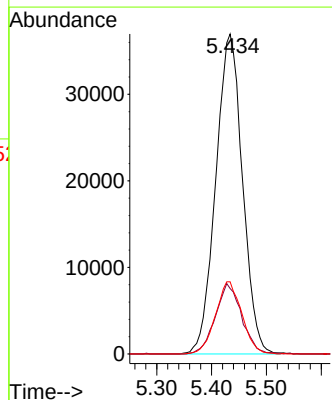
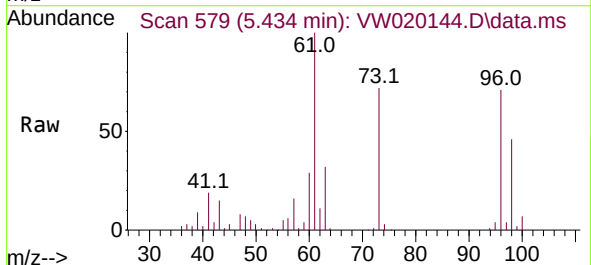
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

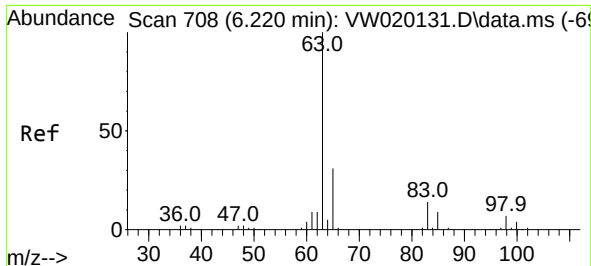
Tgt Ion: 96 Resp: 109311  
Ion Ratio Lower Upper  
96 100  
61 140.1 98.3 182.5  
98 64.4 46.6 86.6



#18  
Methyl tert-butyl Ether  
Concen: 23.569 ug/L  
RT: 5.434 min Scan# 579  
Delta R.T. 0.006 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

Tgt Ion: 73 Resp: 125270  
Ion Ratio Lower Upper  
73 100  
43 21.5 17.4 26.0  
57 22.2 17.4 26.0





#19

1,1-Dichloroethane

Concen: 26.868 ug/L

RT: 6.220 min Scan# 708

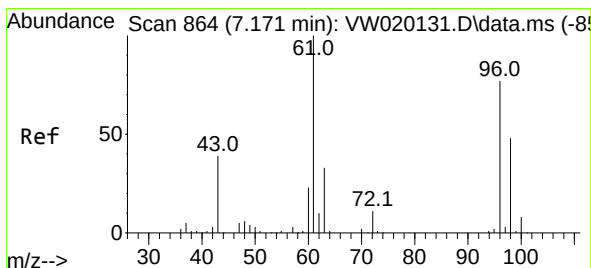
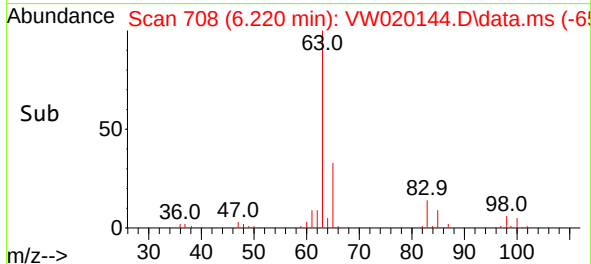
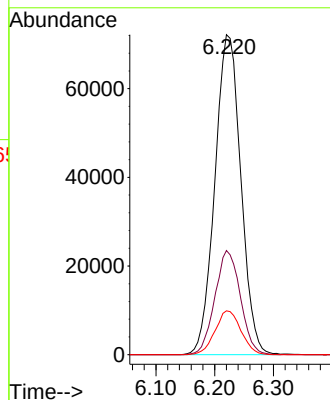
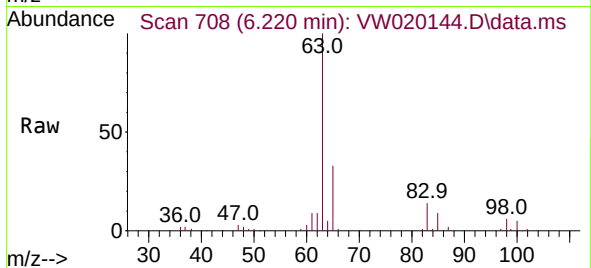
Delta R.T. 0.000 min

Lab File: VW020144.D

Acq: 23 Sep 2021 14:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 63    | Resp: | 221877 |
| Ion      | Ratio | Lower | Upper  |
| 63       | 100   |       |        |
| 65       | 32.6  | 23.1  | 42.9   |
| 83       | 13.7  | 9.4   | 17.6   |

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW411



#20

cis-1,2-Dichloroethene

Concen: 24.653 ug/L

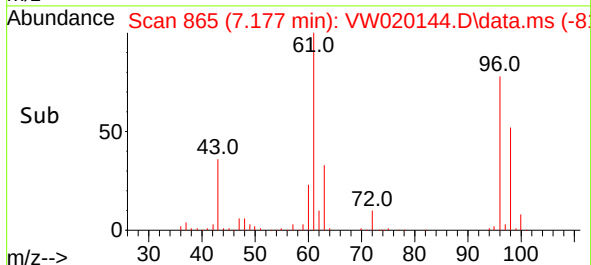
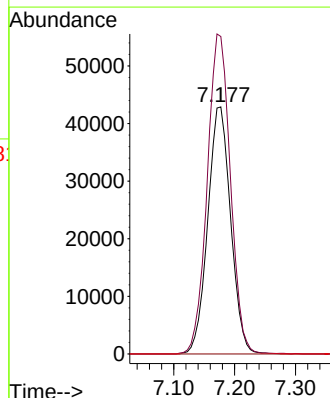
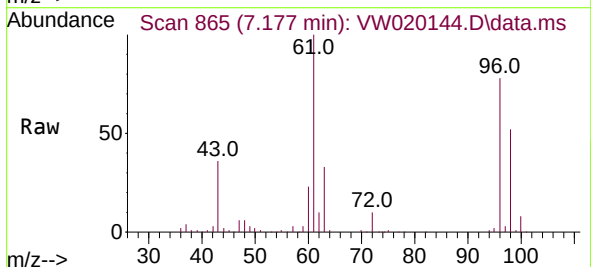
RT: 7.177 min Scan# 865

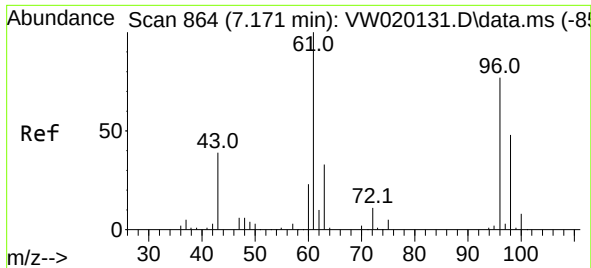
Delta R.T. 0.006 min

Lab File: VW020144.D

Acq: 23 Sep 2021 14:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 112256 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 128.5 | 89.9  | 167.0  |
| 68       | 0.0   | 0.0   | 0.0    |

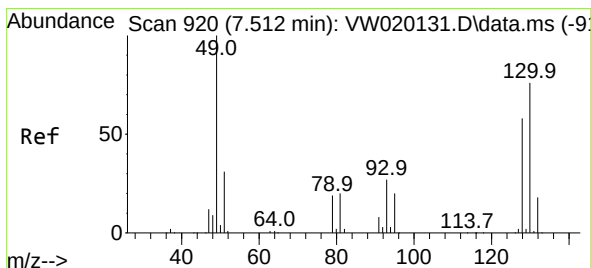
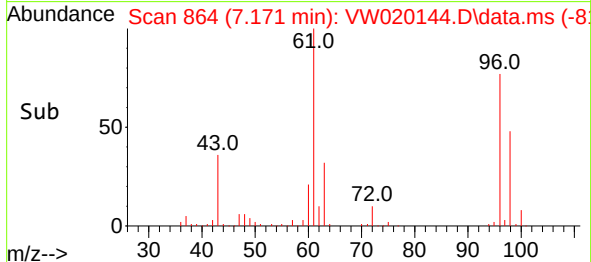
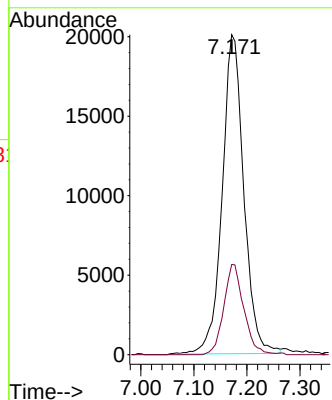
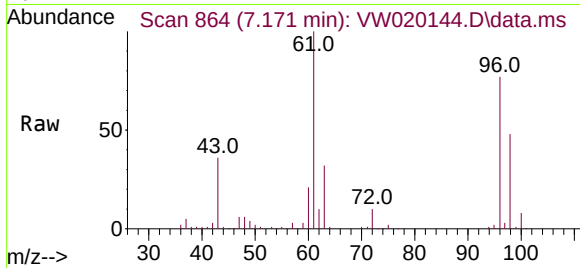




#22  
2-Butanone  
Concen: 50.494 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

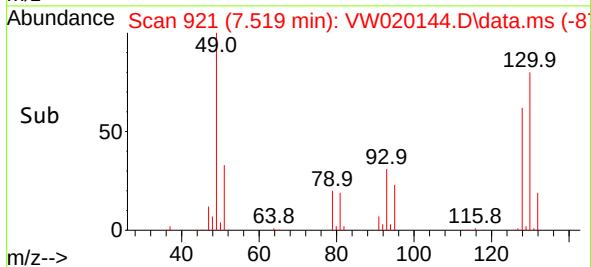
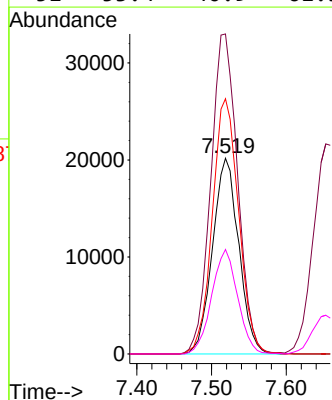
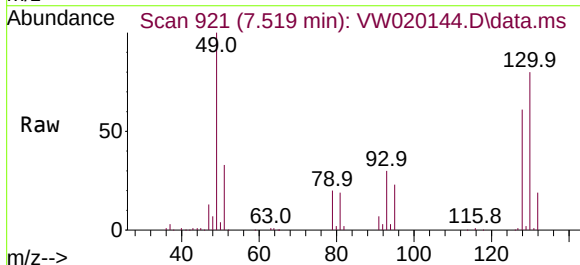
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

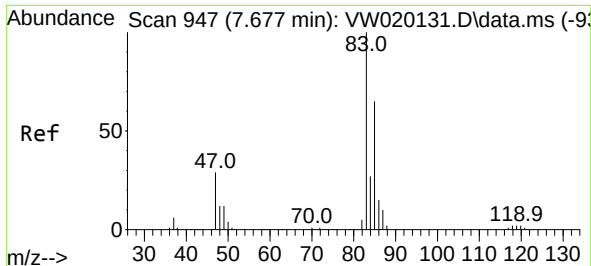
Tgt Ion: 43 Resp: 56761  
Ion Ratio Lower Upper  
43 100  
72 26.2 14.1 42.2



#23  
Bromochloromethane  
Concen: 23.832 ug/L  
RT: 7.519 min Scan# 921  
Delta R.T. 0.006 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

Tgt Ion: 128 Resp: 49192  
Ion Ratio Lower Upper  
128 100  
49 163.6 114.7 213.1  
130 130.5 94.2 175.0  
51 53.4 40.9 61.3

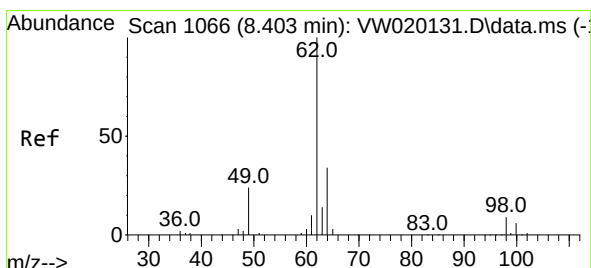
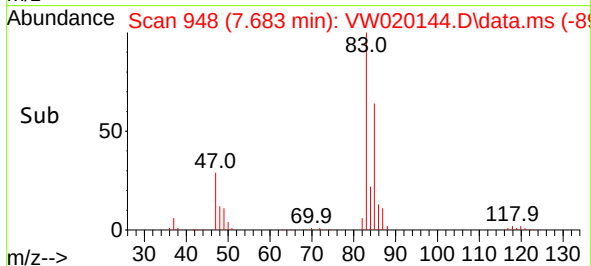
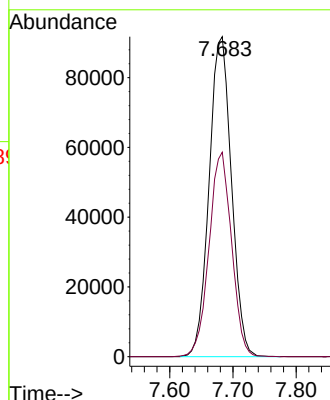
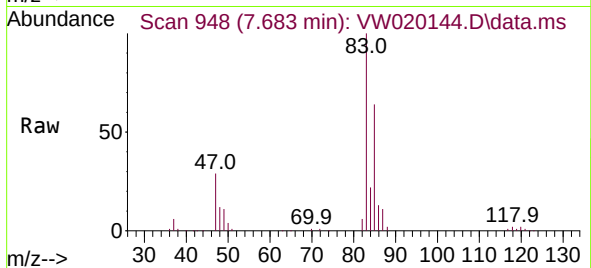




#25  
Chloroform  
Concen: 26.034 ug/L  
RT: 7.683 min Scan# 948  
Delta R.T. 0.006 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

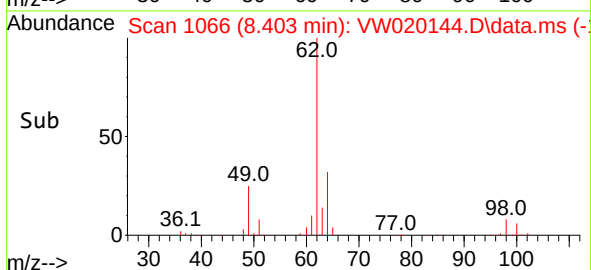
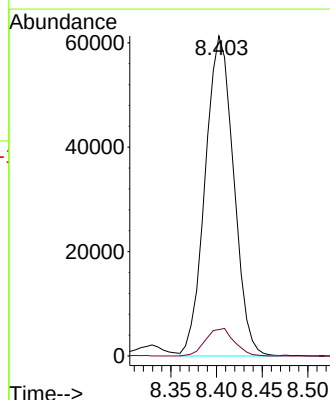
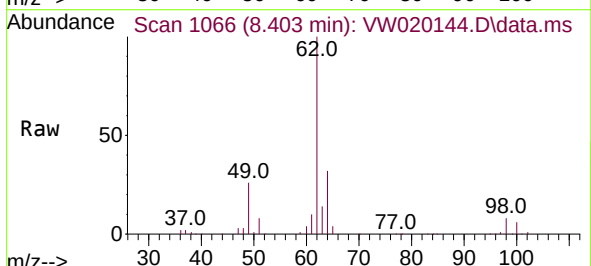
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW411

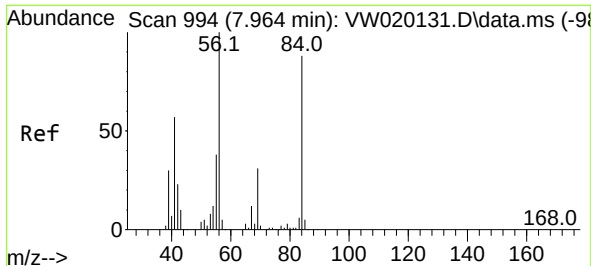
Tgt Ion: 83 Resp: 224815  
Ion Ratio Lower Upper  
83 100  
85 63.9 45.6 84.8



#27  
1,2-Dichloroethane  
Concen: 23.375 ug/L  
RT: 8.403 min Scan# 1066  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

Tgt Ion: 62 Resp: 132836  
Ion Ratio Lower Upper  
62 100  
98 8.3 6.9 10.3

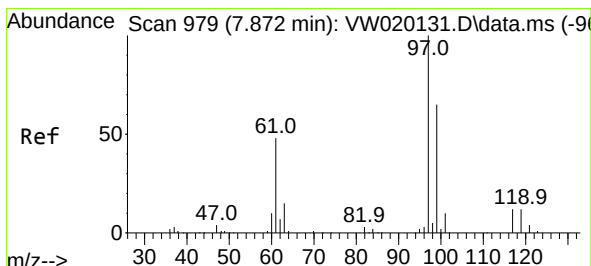
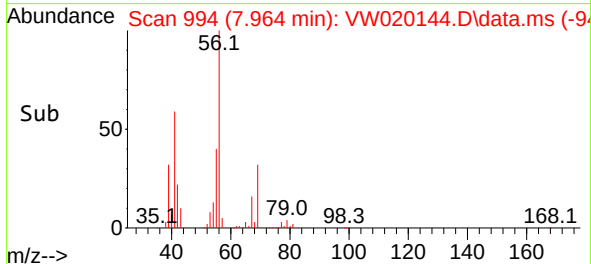
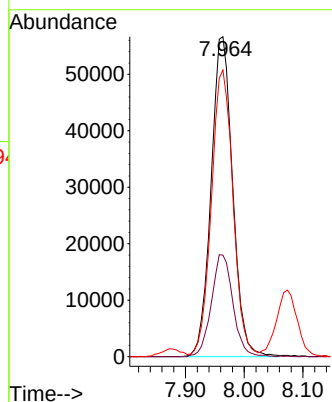
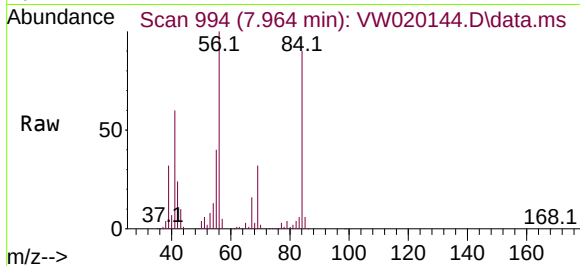




#29  
Cyclohexane  
Concen: 28.454 ug/L  
RT: 7.964 min Scan# 994  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

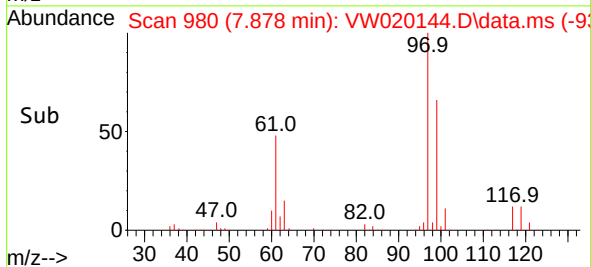
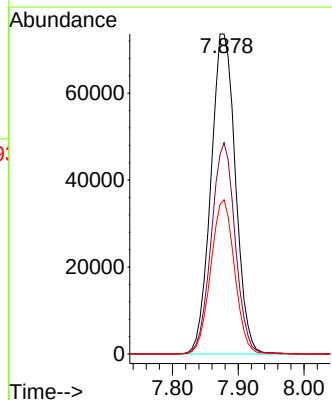
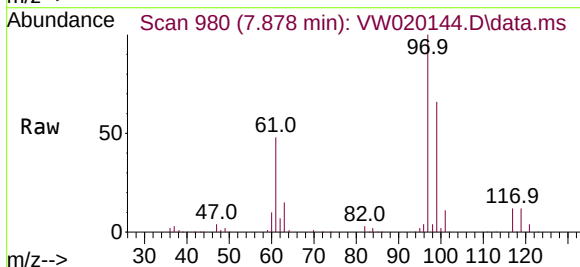
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

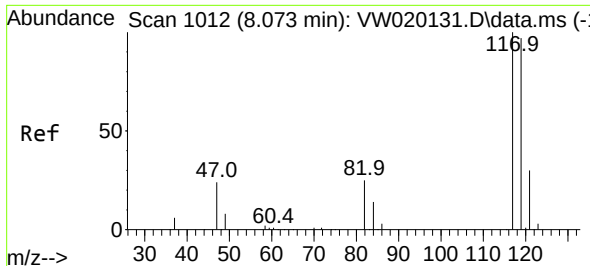
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 56    | Resp: | 144591 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 31.7  | 25.7  | 38.5   |
| 84        | 90.1  | 73.4  | 110.2  |



#30  
1,1,1-Trichloroethane  
Concen: 33.809 ug/L  
RT: 7.878 min Scan# 980  
Delta R.T. 0.006 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 191323 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 64.1  | 51.4  | 77.0   |
| 61        | 46.8  | 37.5  | 56.3   |

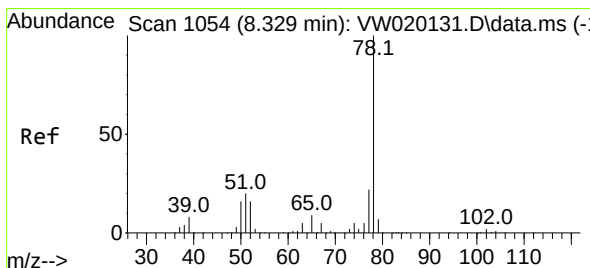
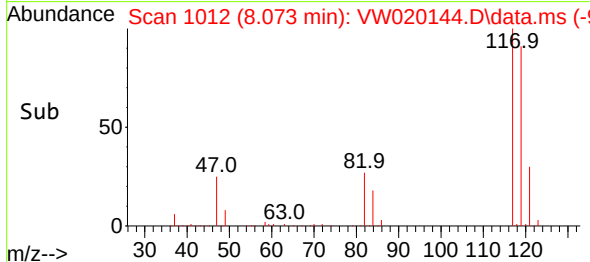
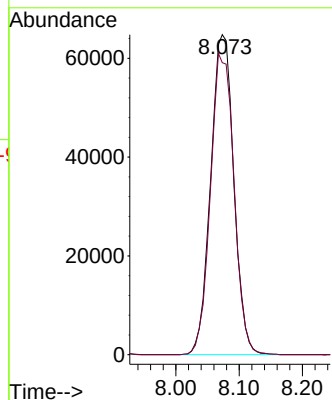
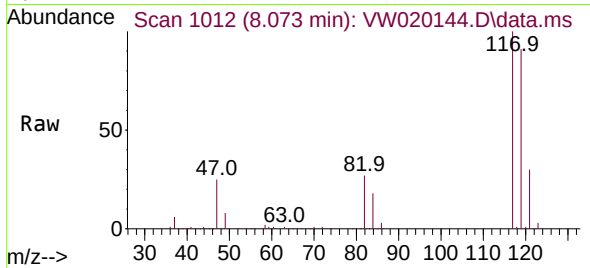




#31  
Carbon tetrachloride  
Concen: 31.948 ug/L  
RT: 8.073 min Scan# 1012  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

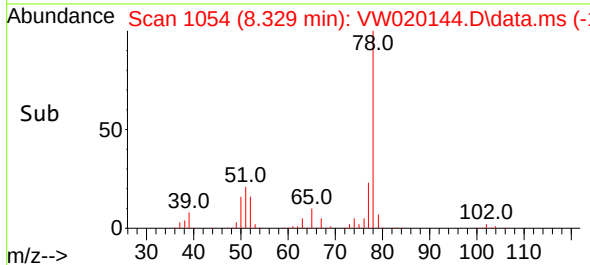
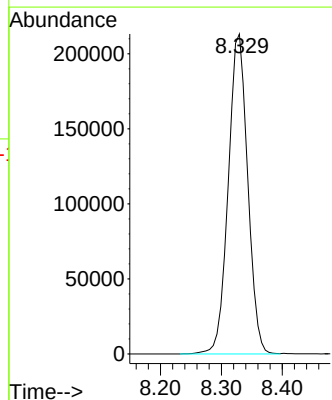
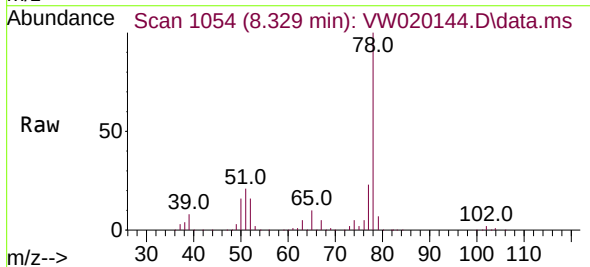
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW411

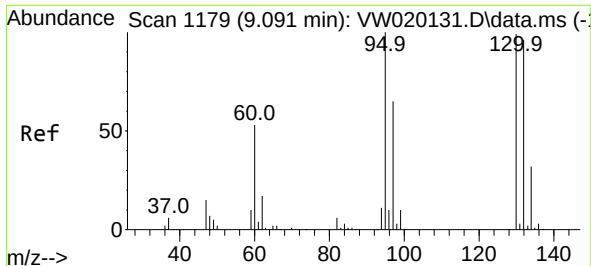
Tgt Ion:117 Resp: 164499  
Ion Ratio Lower Upper  
117 100  
119 95.6 76.4 114.6



#33  
Benzene  
Concen: 34.257 ug/L  
RT: 8.329 min Scan# 1054  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

Tgt Ion: 78 Resp: 472150

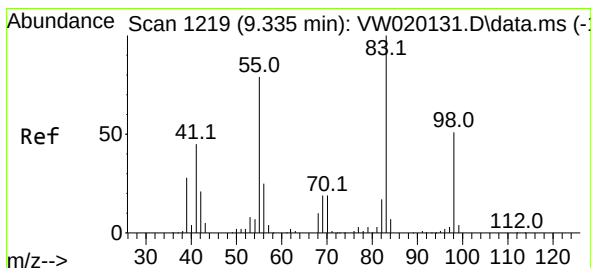
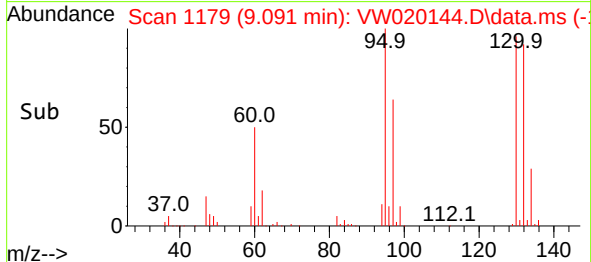
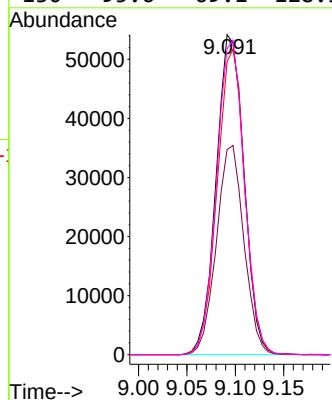
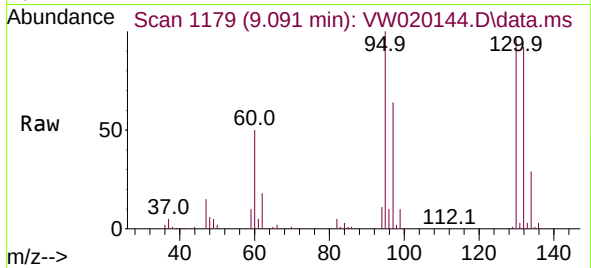




#34  
Trichloroethene  
Concen: 29.398 ug/L  
RT: 9.091 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

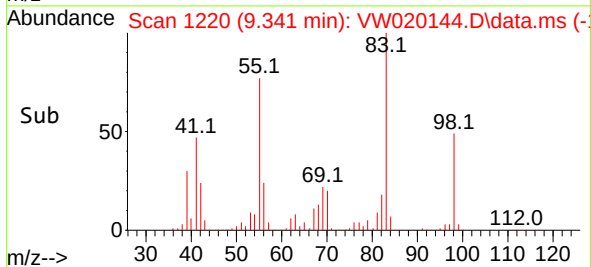
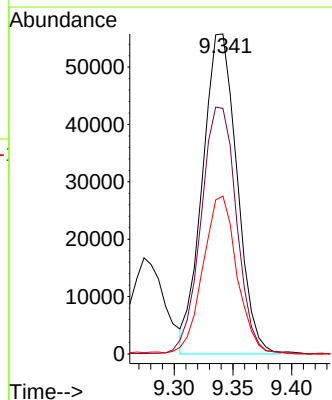
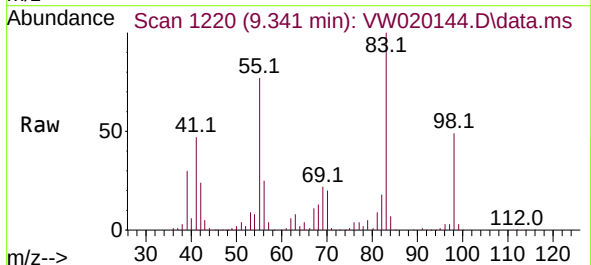
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

| Tgt Ion | Resp   | Lower | Upper |
|---------|--------|-------|-------|
| 95      | 108466 |       |       |
| 97      | 64.1   | 45.1  | 83.7  |
| 132     | 91.6   | 67.9  | 126.1 |
| 130     | 95.6   | 69.1  | 128.3 |

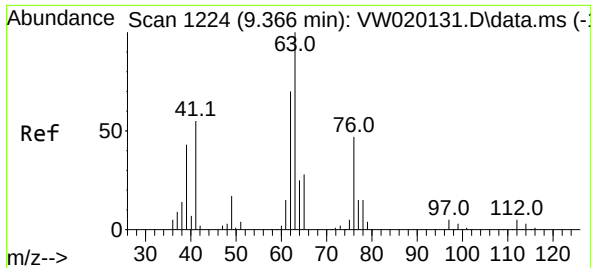


#35  
Methylcyclohexane  
Concen: 18.961 ug/L  
RT: 9.341 min Scan# 1220  
Delta R.T. 0.006 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

| Tgt Ion | Resp   | Lower | Upper |
|---------|--------|-------|-------|
| 83      | 113987 |       |       |
| 55      | 79.4   | 61.4  | 92.2  |
| 98      | 48.6   | 38.1  | 57.1  |



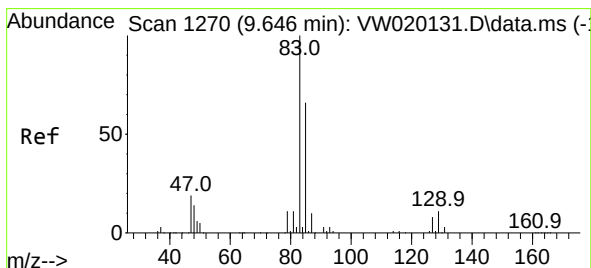
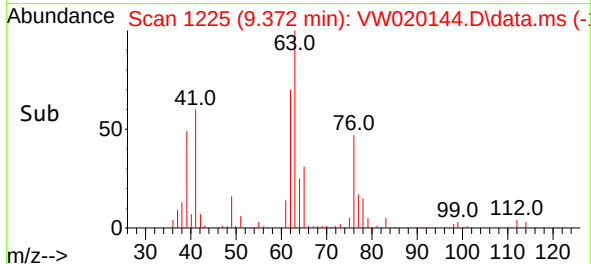
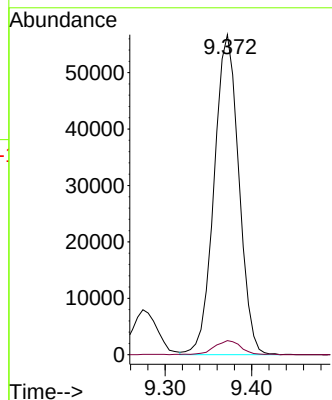
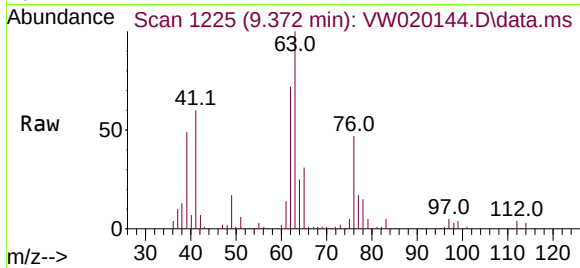




#37  
1,2-Dichloropropane  
Concen: 32.979 ug/L  
RT: 9.372 min Scan# 1225  
Delta R.T. 0.006 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

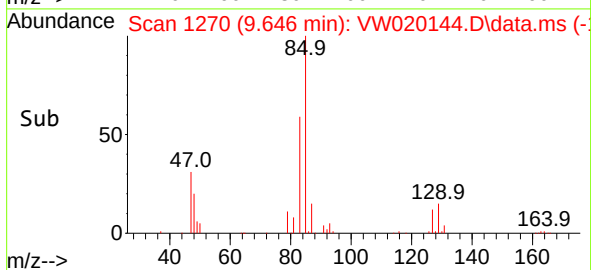
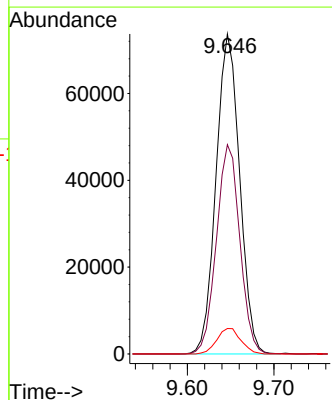
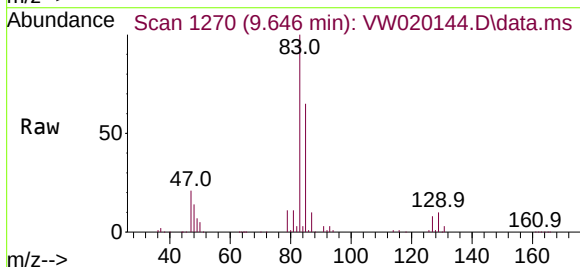
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW411

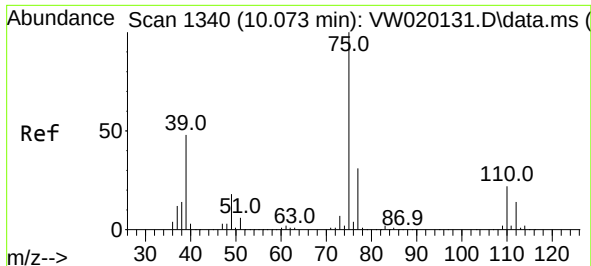
Tgt Ion: 63 Resp: 112585  
Ion Ratio Lower Upper  
63 100  
112 4.4 3.6 5.4



#38  
Bromodichloromethane  
Concen: 30.180 ug/L  
RT: 9.646 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

Tgt Ion: 83 Resp: 139518  
Ion Ratio Lower Upper  
83 100  
85 65.4 44.4 82.5  
127 8.0 6.5 9.7

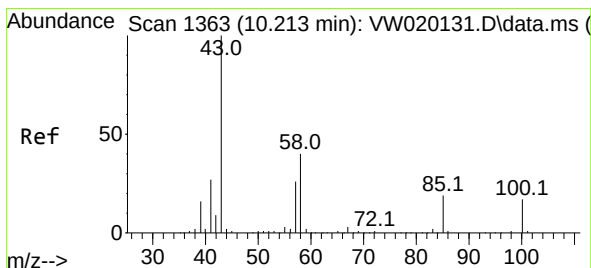
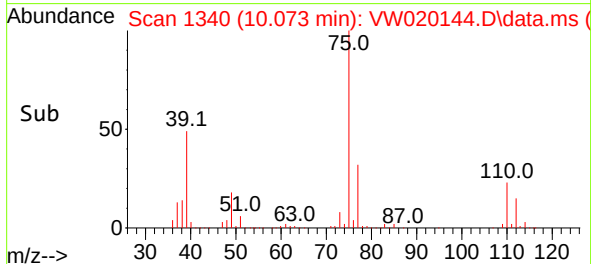
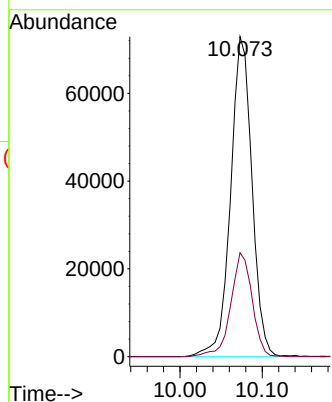
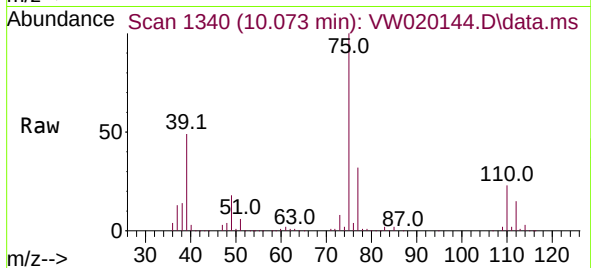




#39  
cis-1,3-Dichloropropene  
Concen: 26.196 ug/L  
RT: 10.073 min Scan# 1340  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

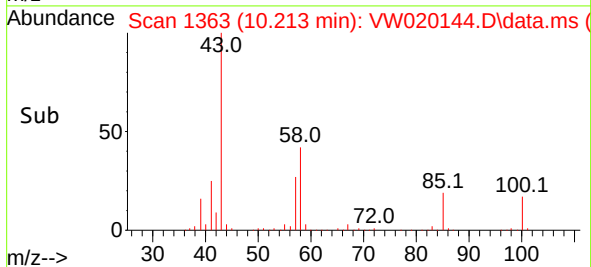
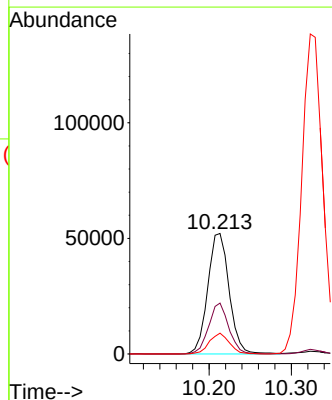
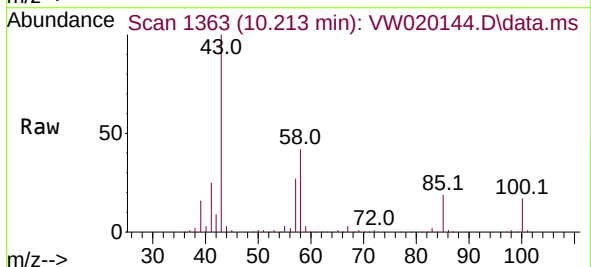
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

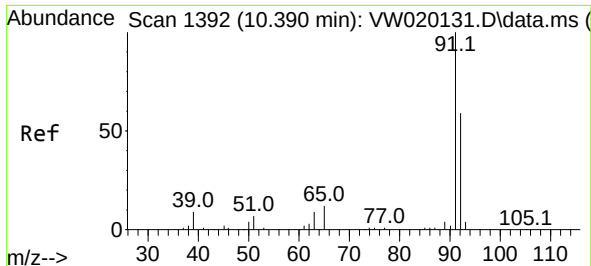
Tgt Ion: 75 Resp: 131900  
Ion Ratio Lower Upper  
75 100  
77 32.5 23.0 42.6



#40  
4-Methyl-2-pentanone  
Concen: 54.906 ug/L  
RT: 10.213 min Scan# 1363  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

Tgt Ion: 43 Resp: 94401  
Ion Ratio Lower Upper  
43 100  
58 39.7 31.3 46.9  
100 16.1 13.3 19.9

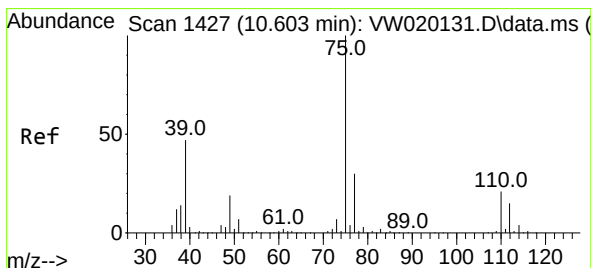
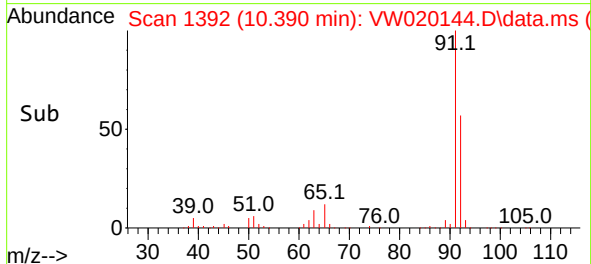
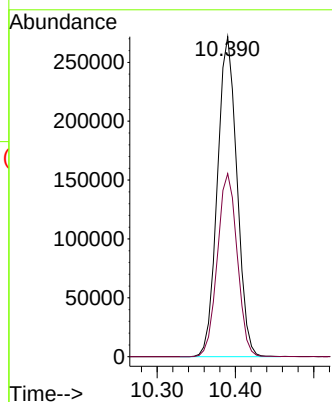
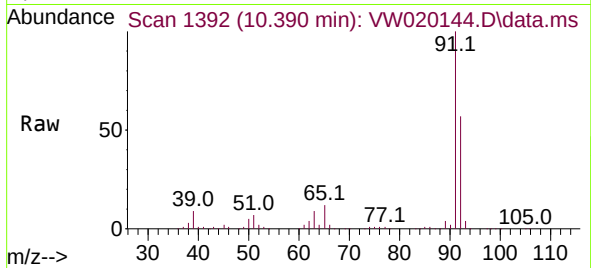




#42  
Toluene  
Concen: 32.225 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

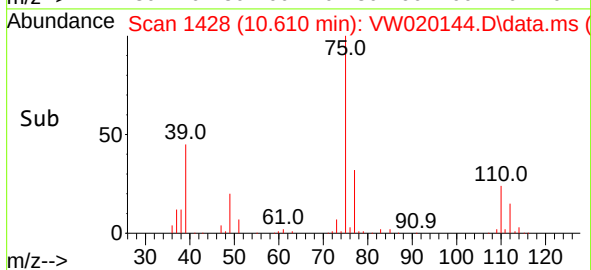
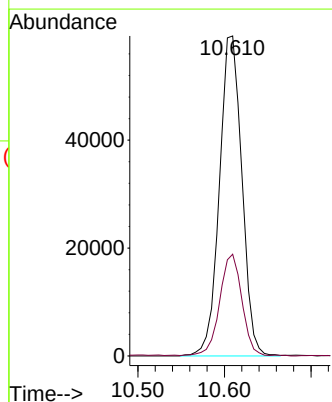
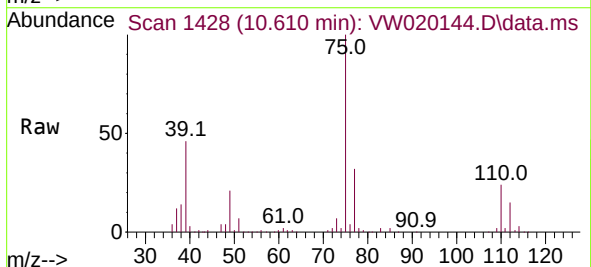
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

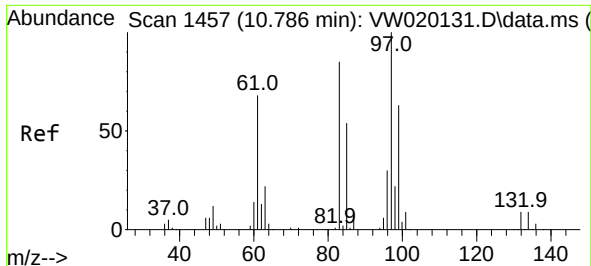
Tgt Ion: 91 Resp: 471863  
Ion Ratio Lower Upper  
91 100  
92 57.2 42.2 78.4



#44  
trans-1,3-Dichloropropene  
Concen: 23.646 ug/L  
RT: 10.610 min Scan# 1428  
Delta R.T. 0.006 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

Tgt Ion: 75 Resp: 106944  
Ion Ratio Lower Upper  
75 100  
77 31.8 22.0 40.8

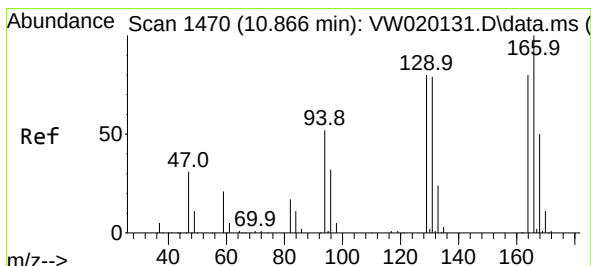
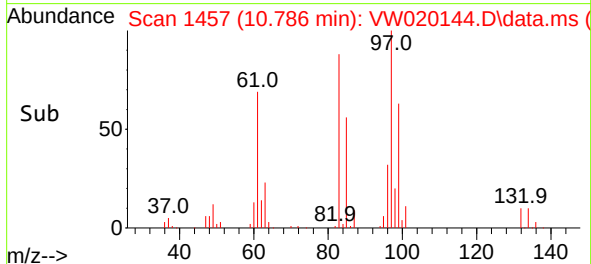
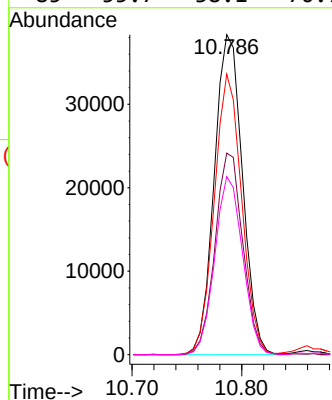
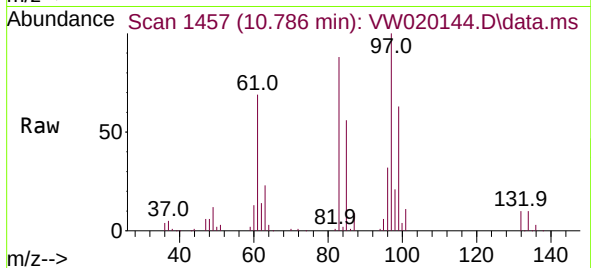




#45  
1,1,2-Trichloroethane  
Concen: 27.418 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

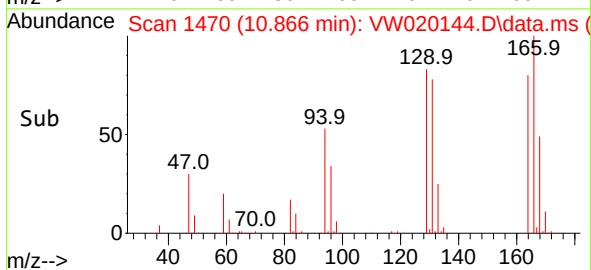
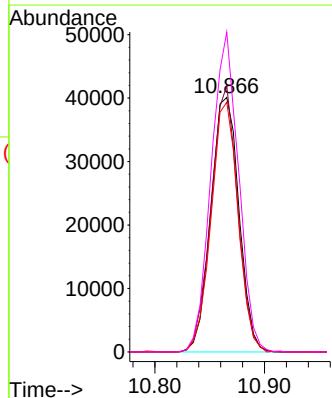
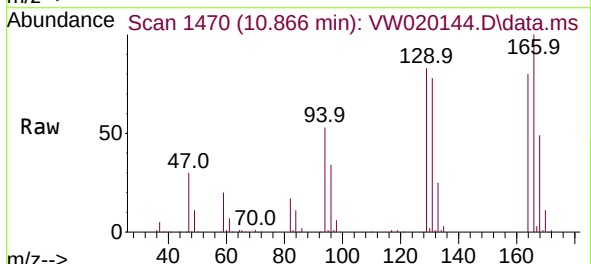
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

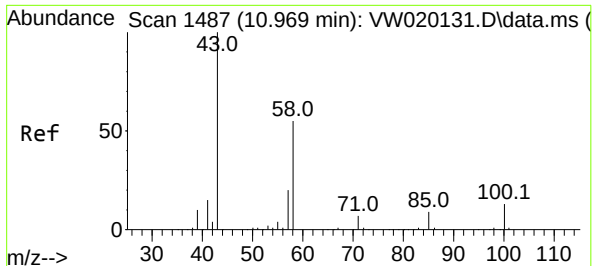
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 68631 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 63.0  | 42.0  | 78.0  |
| 83       | 87.6  | 58.7  | 108.9 |
| 85       | 55.7  | 38.1  | 70.7  |



#46  
Tetrachloroethene  
Concen: 25.112 ug/L  
RT: 10.866 min Scan# 1470  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 71615 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 104.6 | 69.5  | 129.1 |
| 131      | 98.2  | 66.5  | 123.5 |
| 166      | 125.7 | 89.1  | 165.5 |

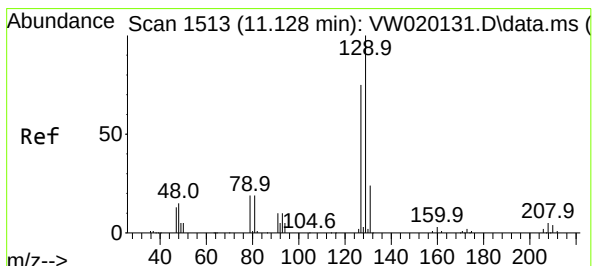
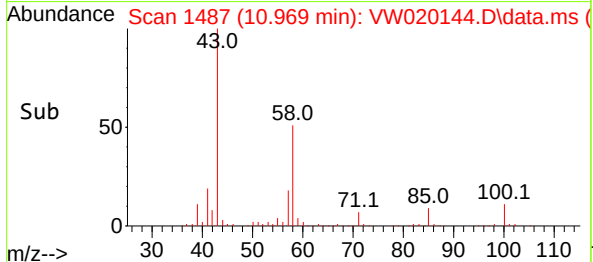
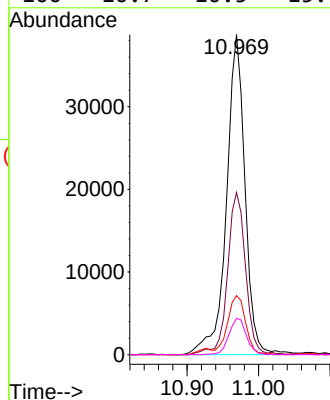
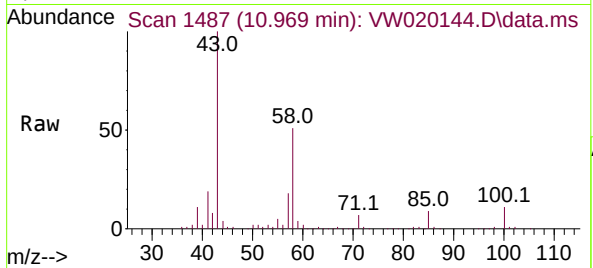




#48  
2-Hexanone  
Concen: 58.181 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

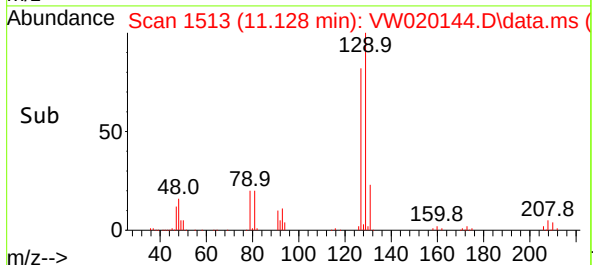
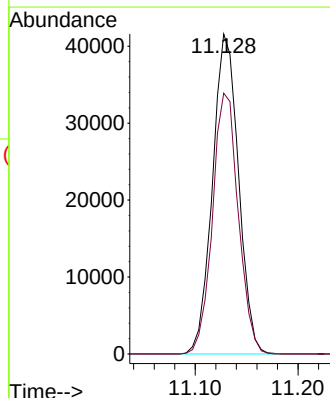
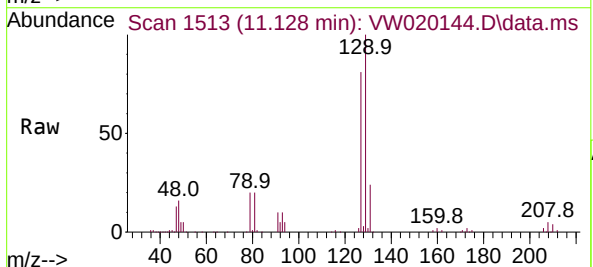
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

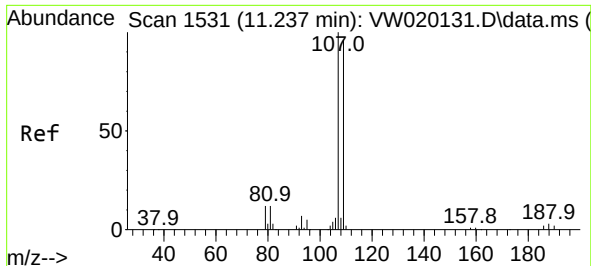
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 69681 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 47.8  | 43.8  | 65.6  |
| 57       | 18.0  | 15.6  | 23.4  |
| 100      | 10.7  | 10.5  | 15.7  |



#49  
Dibromochloromethane  
Concen: 24.993 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 73104 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 81.5  | 57.0  | 105.8 |

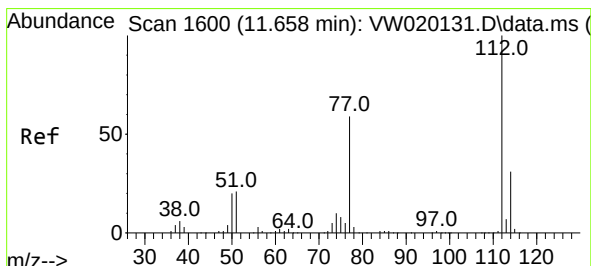
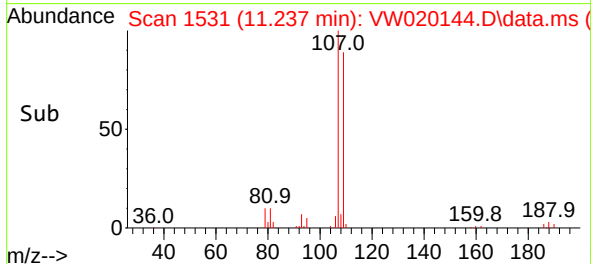
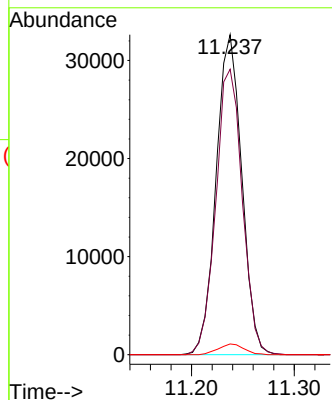
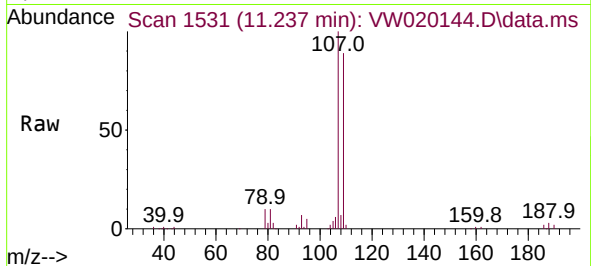




#50  
1,2-Dibromoethane  
Concen: 23.962 ug/L  
RT: 11.237 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

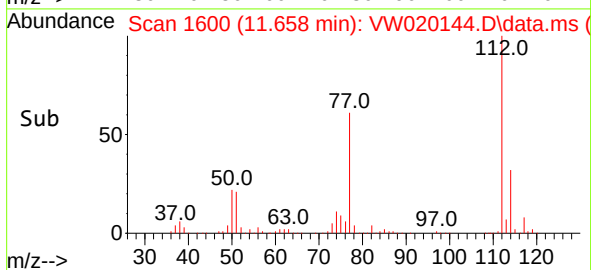
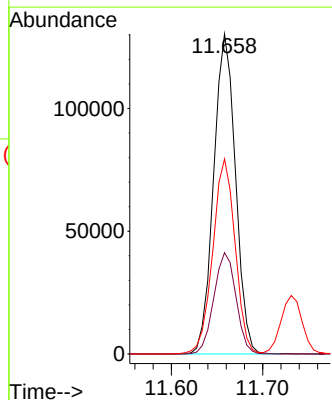
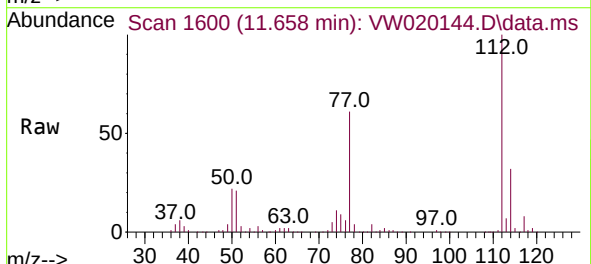
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW411

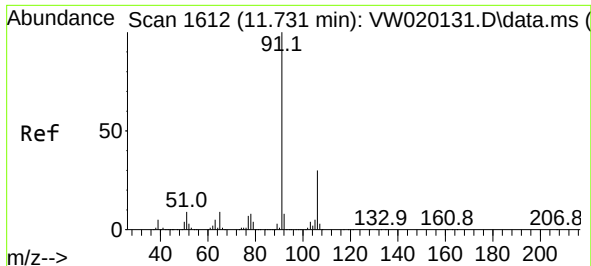
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 107   | Resp: | 56449 |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 109       | 89.2  | 64.1  | 119.1 |
| 188       | 3.4   | 3.0   | 4.4   |



#51  
Chlorobenzene  
Concen: 22.739 ug/L  
RT: 11.658 min Scan# 1600  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 112   | Resp: | 216557 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 114       | 31.7  | 21.9  | 40.7   |
| 77        | 60.9  | 48.0  | 72.0   |

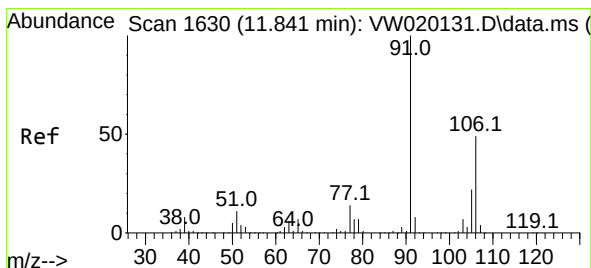
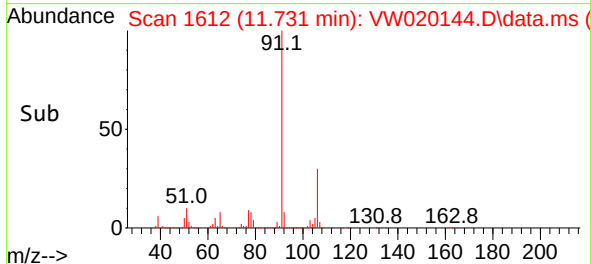
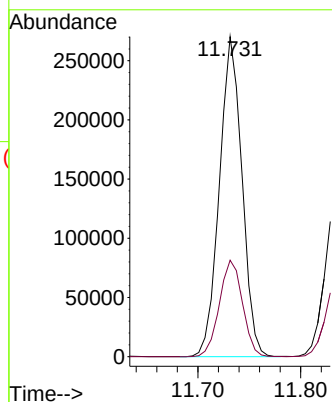
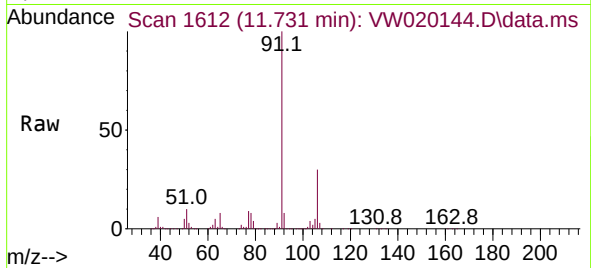




#52  
Ethylbenzene  
Concen: 25.550 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

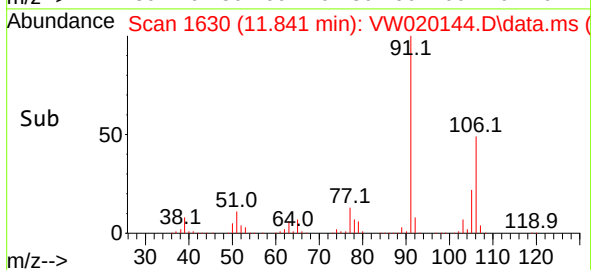
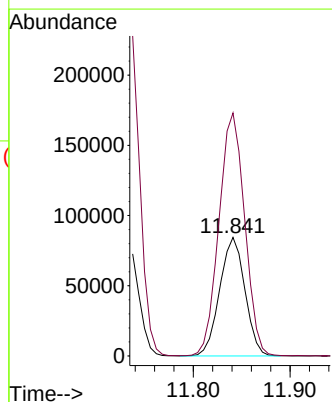
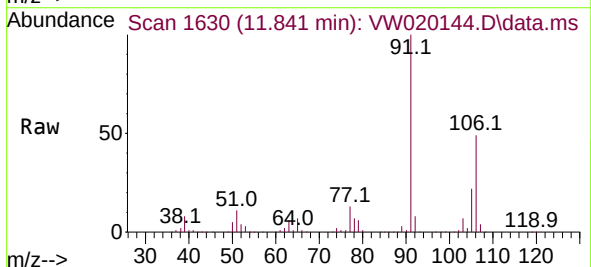
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

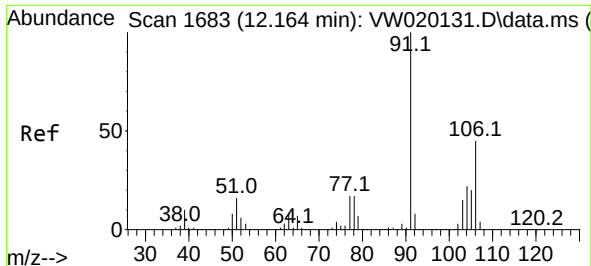
Tgt Ion: 91 Resp: 412076  
Ion Ratio Lower Upper  
91 100  
106 30.2 22.0 40.8



#53  
m,p-Xylene  
Concen: 24.864 ug/L  
RT: 11.841 min Scan# 1630  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

Tgt Ion:106 Resp: 152878  
Ion Ratio Lower Upper  
106 100  
91 205.1 146.4 271.8

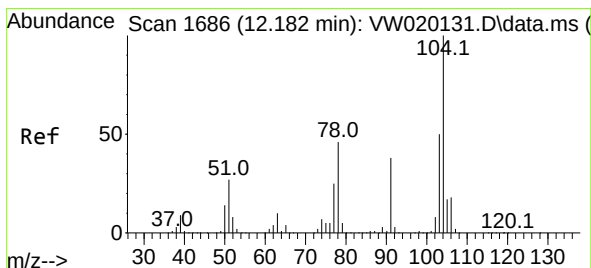
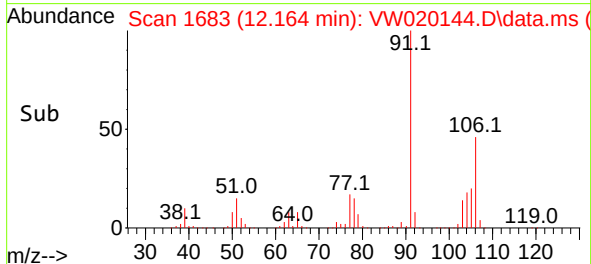
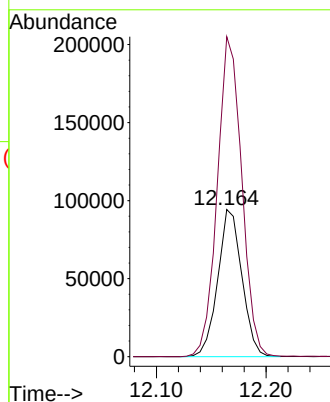
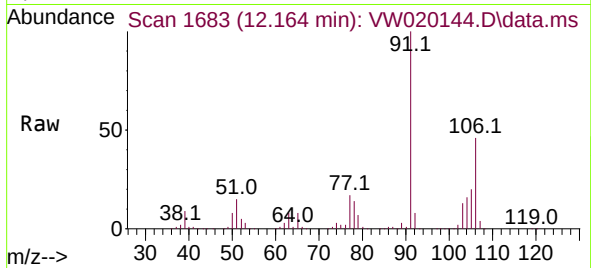




#54  
o-Xylene  
Concen: 25.391 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

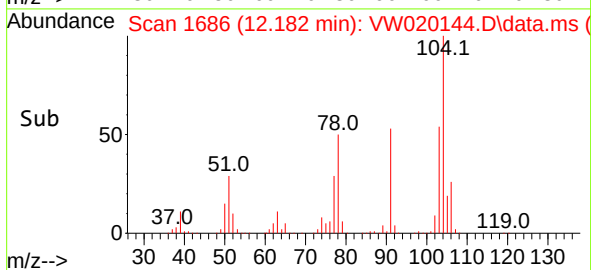
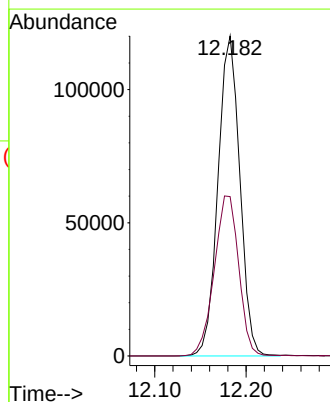
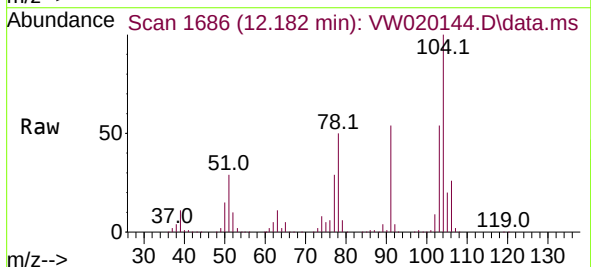
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

Tgt Ion:106 Resp: 144416  
Ion Ratio Lower Upper  
106 100  
91 217.5 154.3 286.7

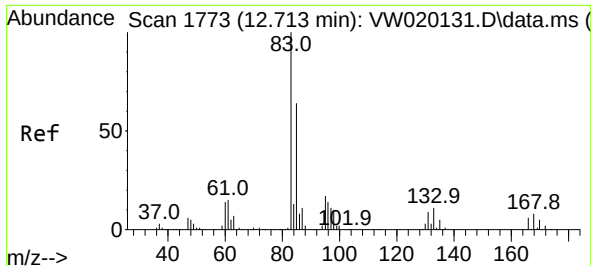


#55  
Styrene  
Concen: 20.214 ug/L  
RT: 12.182 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

Tgt Ion:104 Resp: 199785  
Ion Ratio Lower Upper  
104 100  
78 49.8 32.7 60.7



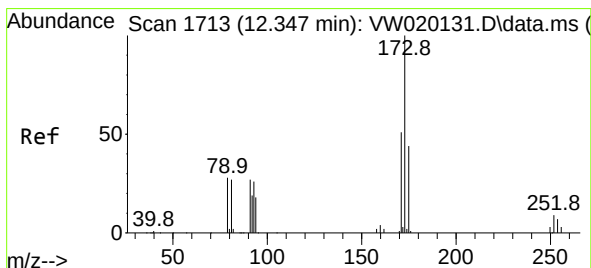
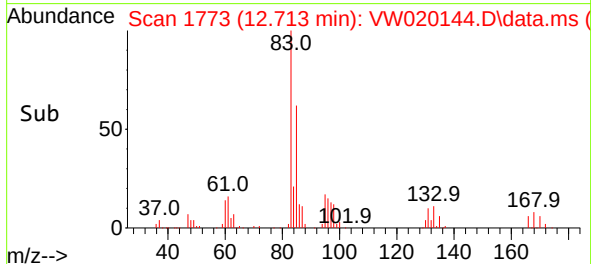
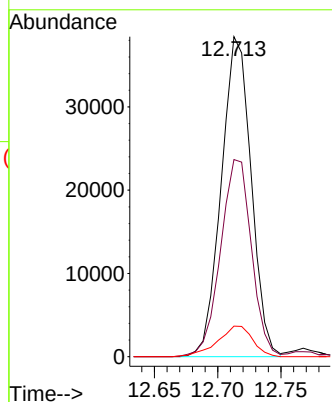
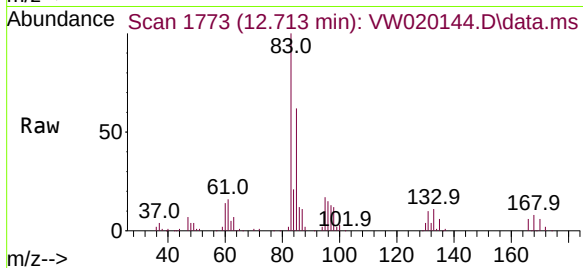




#57  
1,1,2,2-Tetrachloroethane  
Concen: 21.129 ug/L  
RT: 12.713 min Scan# 1773  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

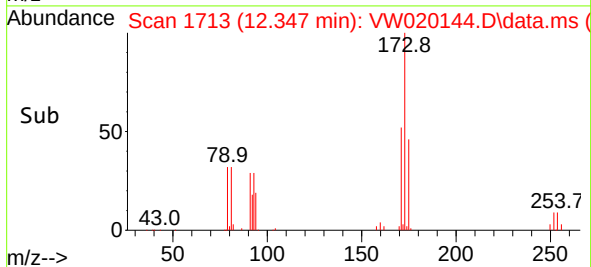
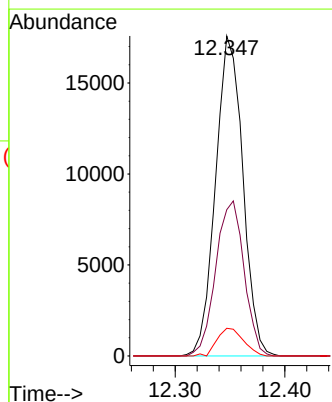
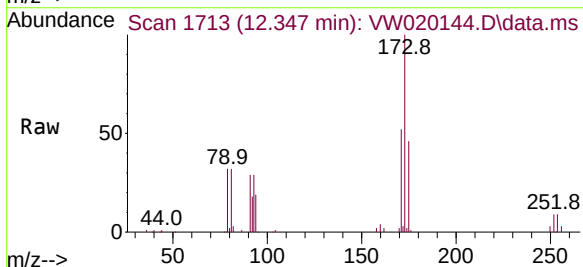
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

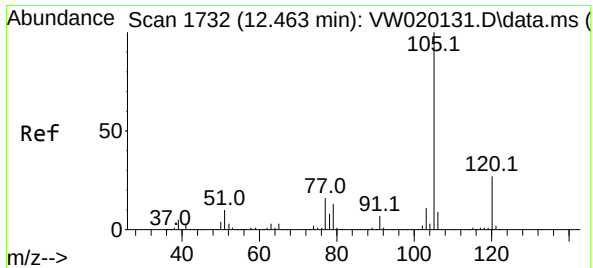
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 63171 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 61.6  | 43.3  | 80.5  |
| 131       | 9.5   | 7.9   | 11.9  |



#59  
Bromoform  
Concen: 39.016 ug/L  
RT: 12.347 min Scan# 1713  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 30412 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 50.3  | 39.2  | 58.8  |
| 254       | 8.2   | 6.6   | 10.0  |

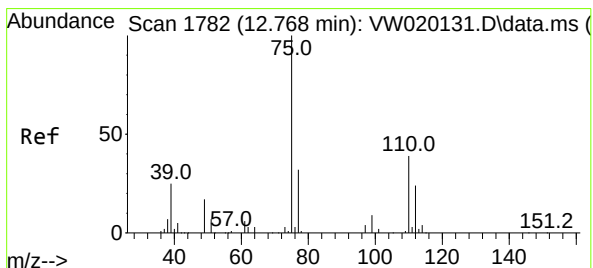
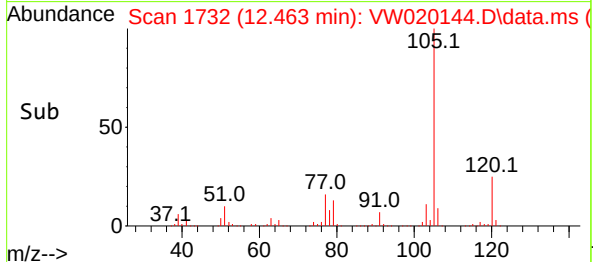
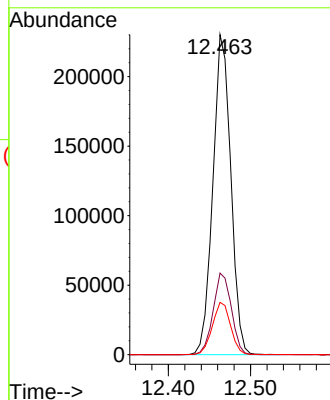
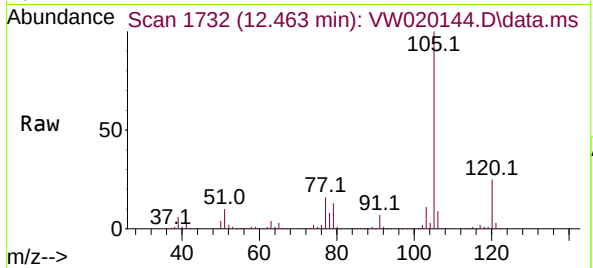




#60  
Isopropylbenzene  
Concen: 45.459 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

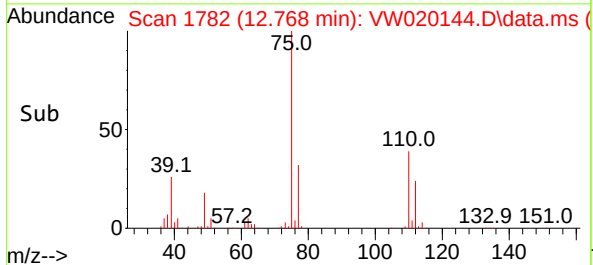
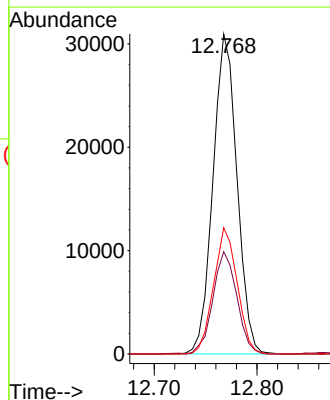
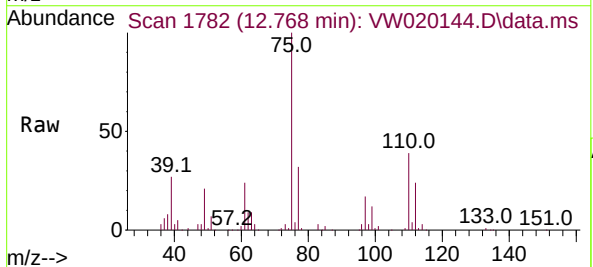
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

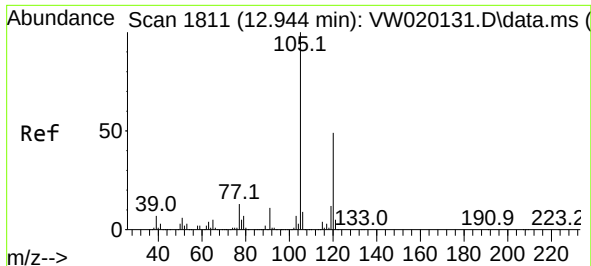
Tgt Ion:105 Resp: 348468  
Ion Ratio Lower Upper  
105 100  
120 25.9 20.9 31.3  
77 16.7 13.3 19.9



#61  
1,2,3-Trichloropropane  
Concen: 46.475 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

Tgt Ion: 75 Resp: 50171  
Ion Ratio Lower Upper  
75 100  
77 31.9 26.3 39.5  
110 38.8 30.2 45.2

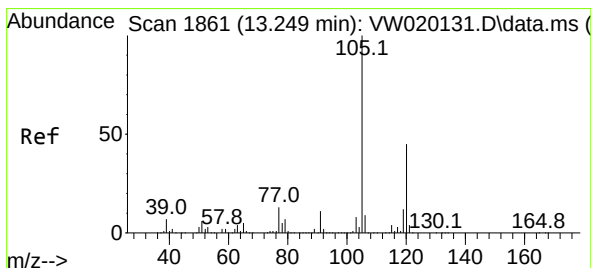
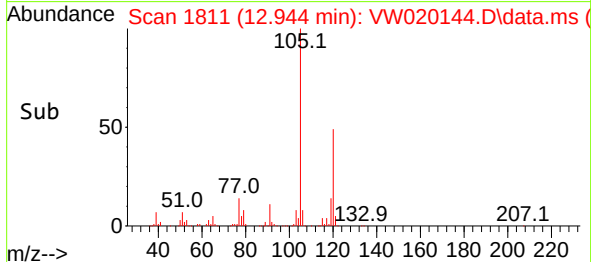
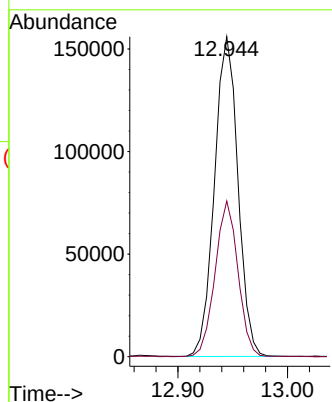
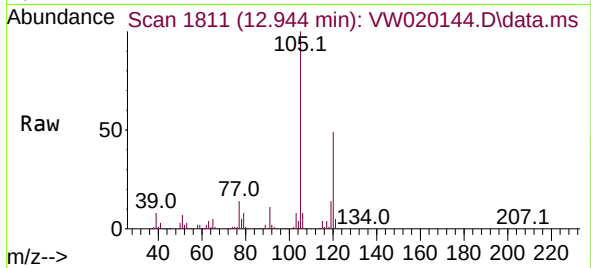




#62  
1,3,5-Trimethylbenzene  
Concen: 36.923 ug/L  
RT: 12.944 min Scan# 1811  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

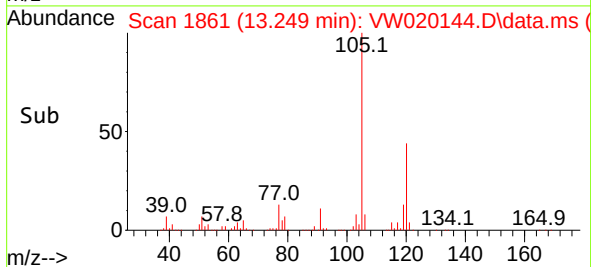
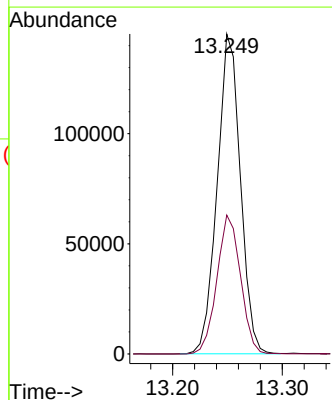
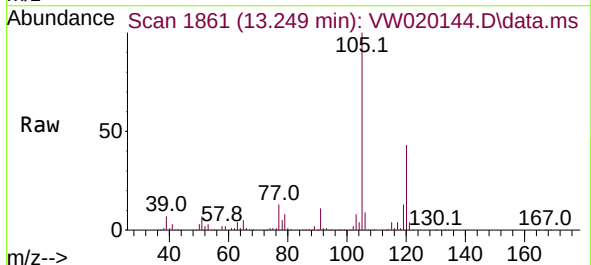
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

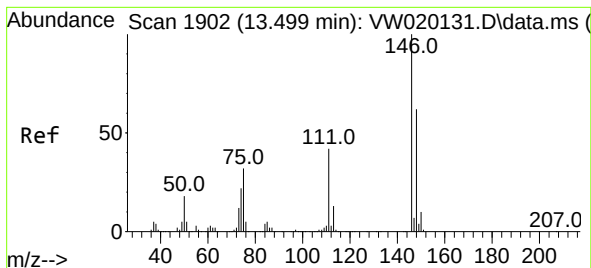
Tgt Ion:105 Resp: 232288  
Ion Ratio Lower Upper  
105 100  
120 47.4 38.0 57.0



#63  
1,2,4-Trimethylbenzene  
Concen: 34.532 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

Tgt Ion:105 Resp: 213408  
Ion Ratio Lower Upper  
105 100  
120 44.2 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 24.258 ug/L

RT: 13.499 min Scan# 1902

Delta R.T. 0.000 min

Lab File: VW020144.D

Acq: 23 Sep 2021 14:25

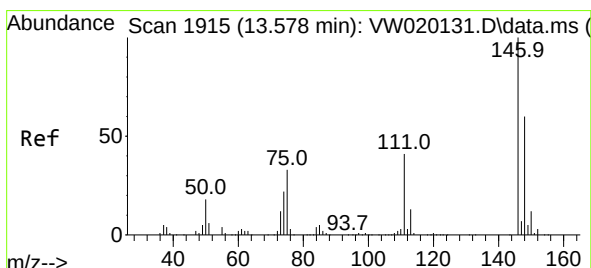
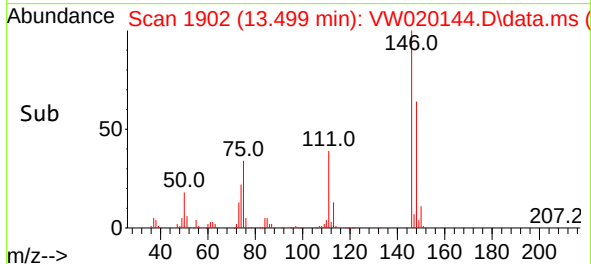
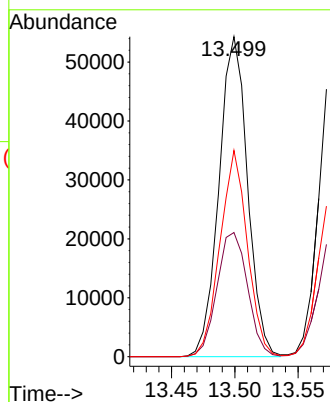
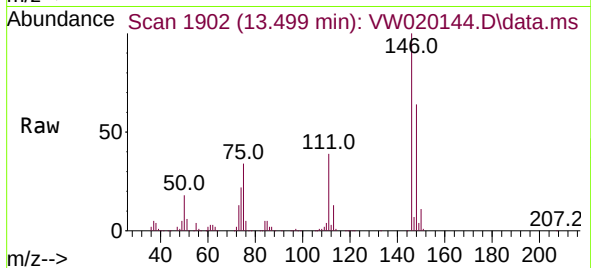
Instrument :

MSVOA\_W

ClientSampled :

EW411

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 85277 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 38.8  | 28.3  | 52.5  |
| 148       | 64.5  | 44.4  | 82.4  |



#65

1,4-Dichlorobenzene

Concen: 22.140 ug/L

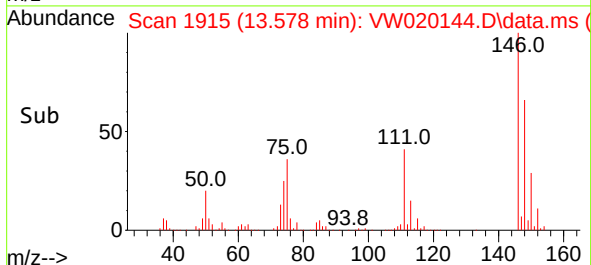
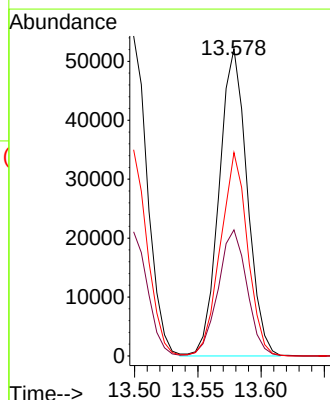
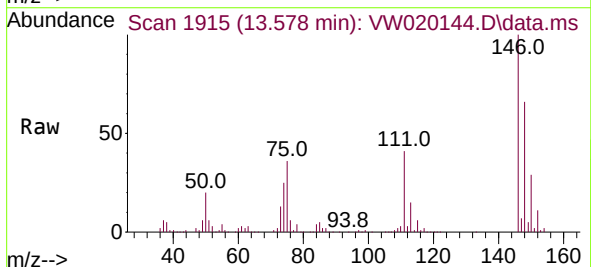
RT: 13.578 min Scan# 1915

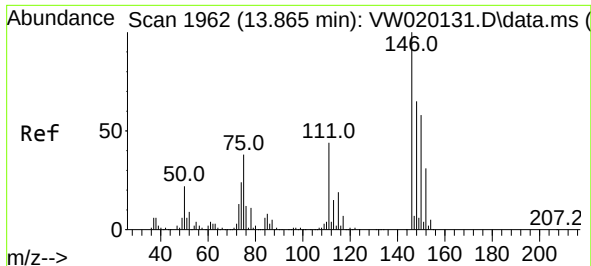
Delta R.T. 0.000 min

Lab File: VW020144.D

Acq: 23 Sep 2021 14:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 80435 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 41.0  | 29.6  | 55.0  |
| 148       | 66.2  | 45.3  | 84.1  |

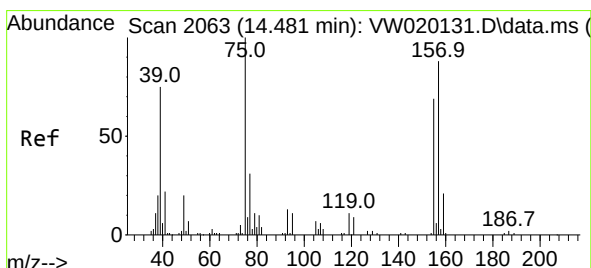
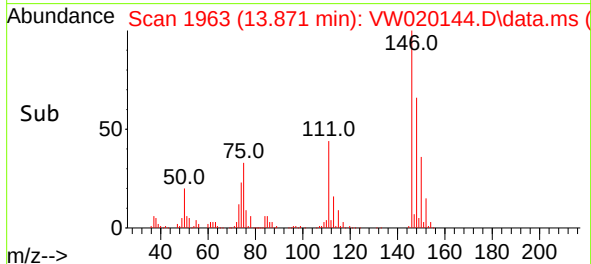
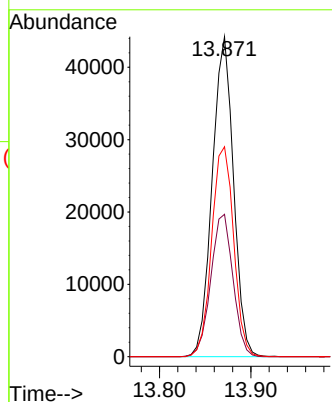
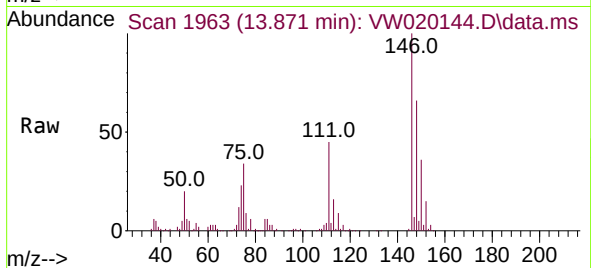




#67  
1,2-Dichlorobenzene  
Concen: 22.326 ug/L  
RT: 13.871 min Scan# 1963  
Delta R.T. 0.006 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

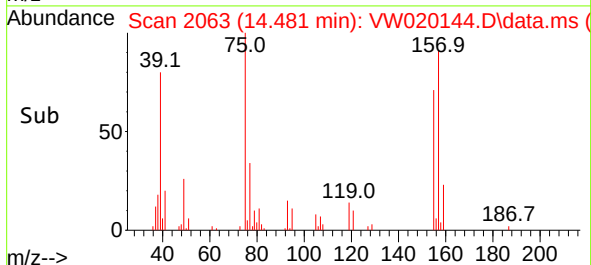
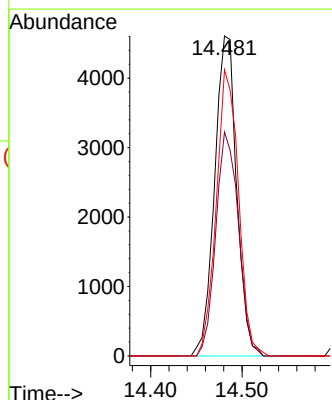
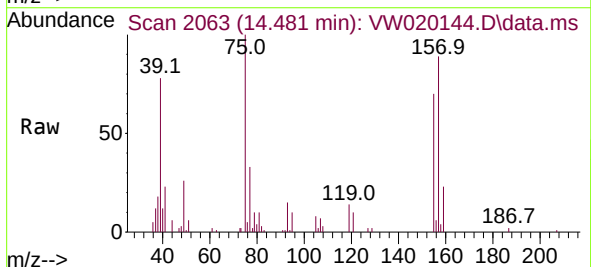
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

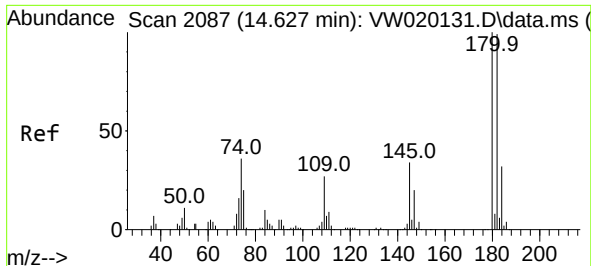
Tgt Ion:146 Resp: 71483  
Ion Ratio Lower Upper  
146 100  
111 44.5 34.7 52.1  
148 65.6 50.2 75.4



#68  
1,2-Dibromo-3-chloropropane  
Concen: 31.927 ug/L  
RT: 14.481 min Scan# 2063  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

Tgt Ion: 75 Resp: 7737  
Ion Ratio Lower Upper  
75 100  
155 70.0 58.5 87.7  
157 89.5 77.4 116.0

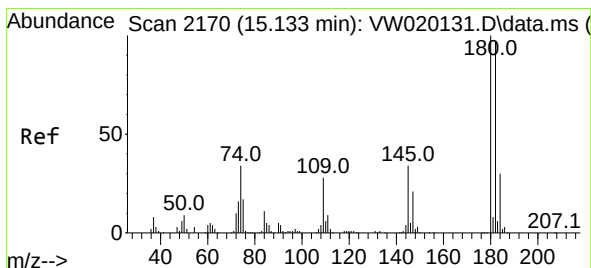
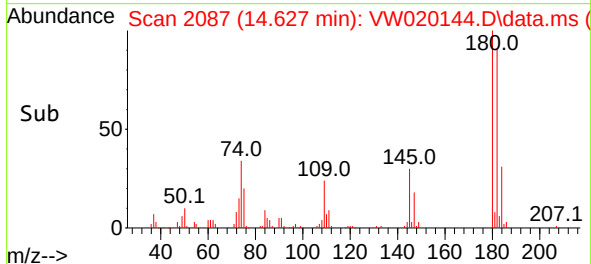
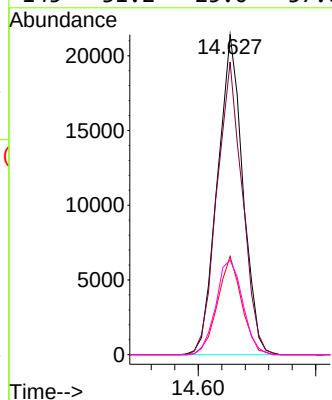
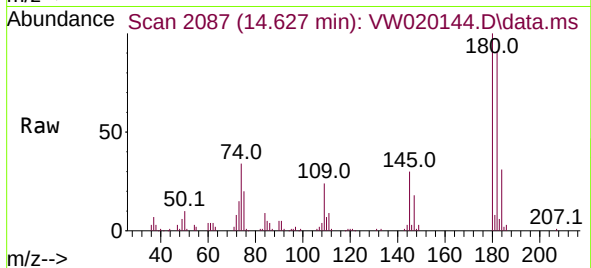




#69  
1,3,5-Trichlorobenzene  
Concen: 13.174 ug/L  
RT: 14.627 min Scan# 2087  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

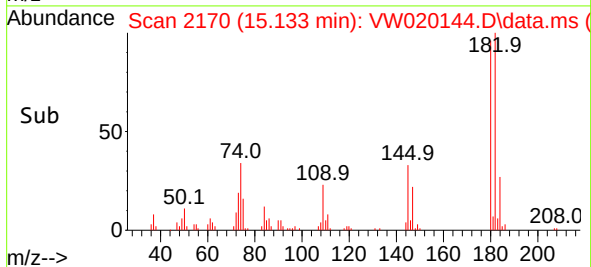
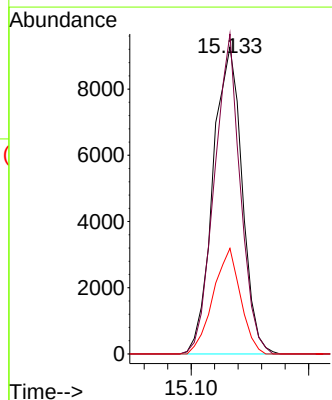
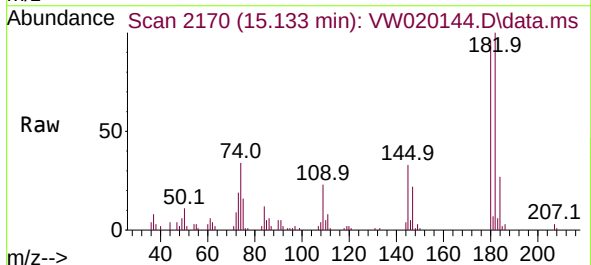
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

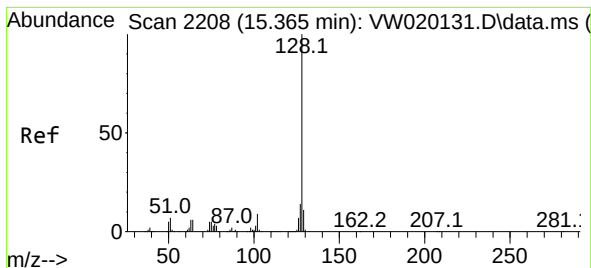
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 32034 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 91.9  | 75.2  | 112.8 |
| 184       | 29.4  | 24.3  | 36.5  |
| 145       | 31.2  | 25.0  | 37.6  |



#70  
1,2,4-trichlorobenzene  
Concen: 8.493 ug/L  
RT: 15.133 min Scan# 2170  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 15937 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 92.8  | 70.6  | 106.0 |
| 145       | 32.3  | 25.7  | 38.5  |

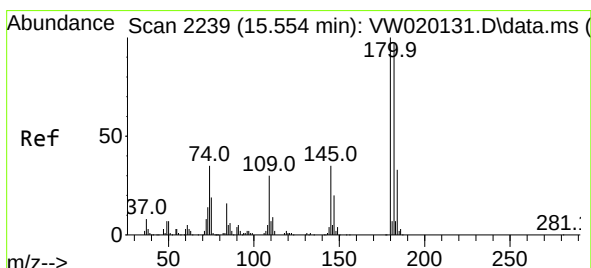
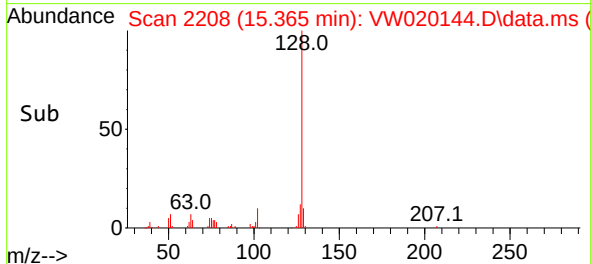
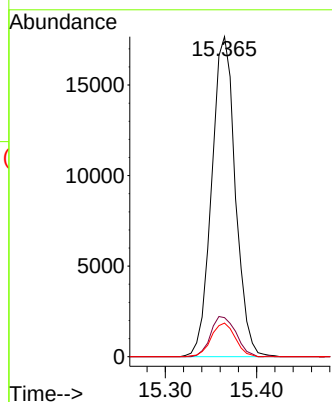
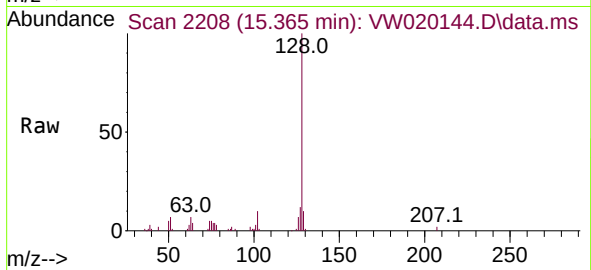




#71  
Naphthalene  
Concen: 9.602 ug/L  
RT: 15.365 min Scan# 2208  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

Tgt Ion:128 Resp: 31780  
Ion Ratio Lower Upper  
128 100  
127 13.4 10.3 15.5  
129 10.7 8.6 12.8



#72  
1,2,3-Trichlorobenzene  
Concen: 7.657 ug/L  
RT: 15.554 min Scan# 2239  
Delta R.T. 0.000 min  
Lab File: VW020144.D  
Acq: 23 Sep 2021 14:25

Tgt Ion:180 Resp: 12938  
Ion Ratio Lower Upper  
180 100  
182 93.7 75.7 113.5  
145 34.2 28.2 42.4

