

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092321\  
 Data File : VW020145.D  
 Acq On : 23 Sep 2021 14:49  
 Operator : SY/VA  
 Sample : M3834-16MSD  
 Misc : 5.83g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW411

Quant Time: Sep 24 01:42:17 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   | 343520   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 284626   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 100378   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.361  | 65    | 133376   | 18.979   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 75.920%  |
| 7) Chloroethane-d5            | 2.898  | 69    | 107614   | 20.327   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 81.320%  |
| 11) 1,1-Dichloroethene-d2     | 4.032  | 63    | 216481   | 19.674   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 78.680%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 36994    | 34.113   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 68.220%  |
| 24) Chloroform-d              | 7.653  | 84    | 235672   | 21.814   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 87.240%  |
| 26) 1,2-Dichloroethane-d4     | 8.311  | 65    | 119989   | 20.636   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 82.560%  |
| 32) Benzene-d6                | 8.281  | 84    | 442293   | 24.357   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 97.440%  |
| 36) 1,2-Dichloropropane-d6    | 9.275  | 67    | 128917   | 24.531   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 98.120%  |
| 41) Toluene-d8                | 10.329 | 98    | 382024   | 23.122   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 92.480%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 47693    | 21.233   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 84.920%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 28613    | 39.344   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 78.680%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84    | 81479    | 20.100   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 80.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 78275    | 20.797   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 83.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.014  | 85    | 85098    | 28.283   | ug/L   | 94       |
| 3) Chloromethane              | 2.221  | 50    | 103403   | 24.853   | ug/L   | 96       |
| 5) Vinyl chloride             | 2.373  | 62    | 151247   | 23.151   | ug/L   | 96       |
| 6) Bromomethane               | 2.788  | 94    | 88210    | 20.886   | ug/L   | 98       |
| 8) Chloroethane               | 2.934  | 64    | 92781    | 23.485   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.270  | 101   | 100521   | 21.870   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.080  | 101   | 103889   | 20.675   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 4.050  | 96    | 102815   | 22.569   | ug/L   | 89       |
| 13) Acetone                   | 4.135  | 43    | 61723    | 66.455   | ug/L   | 100      |
| 14) Carbon disulfide          | 4.397  | 76    | 283070   | 19.758   | ug/L   | 98       |
| 15) Methyl Acetate            | 4.678  | 43    | 33347    | 18.775   | ug/L   | 98       |
| 16) Methylene chloride        | 4.922  | 84    | 117771   | 19.429   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.434  | 96    | 107377   | 22.374   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 129100   | 22.660   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.226  | 63    | 211494   | 23.893   | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 111414   | 22.827   | ug/L   | 97       |
| 22) 2-Butanone                | 7.171  | 43    | 59669    | 49.519   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.519  | 128   | 50431    | 22.793   | ug/L   | 94       |
| 25) Chloroform                | 7.683  | 83    | 215379   | 23.267   | ug/L   | 97       |

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

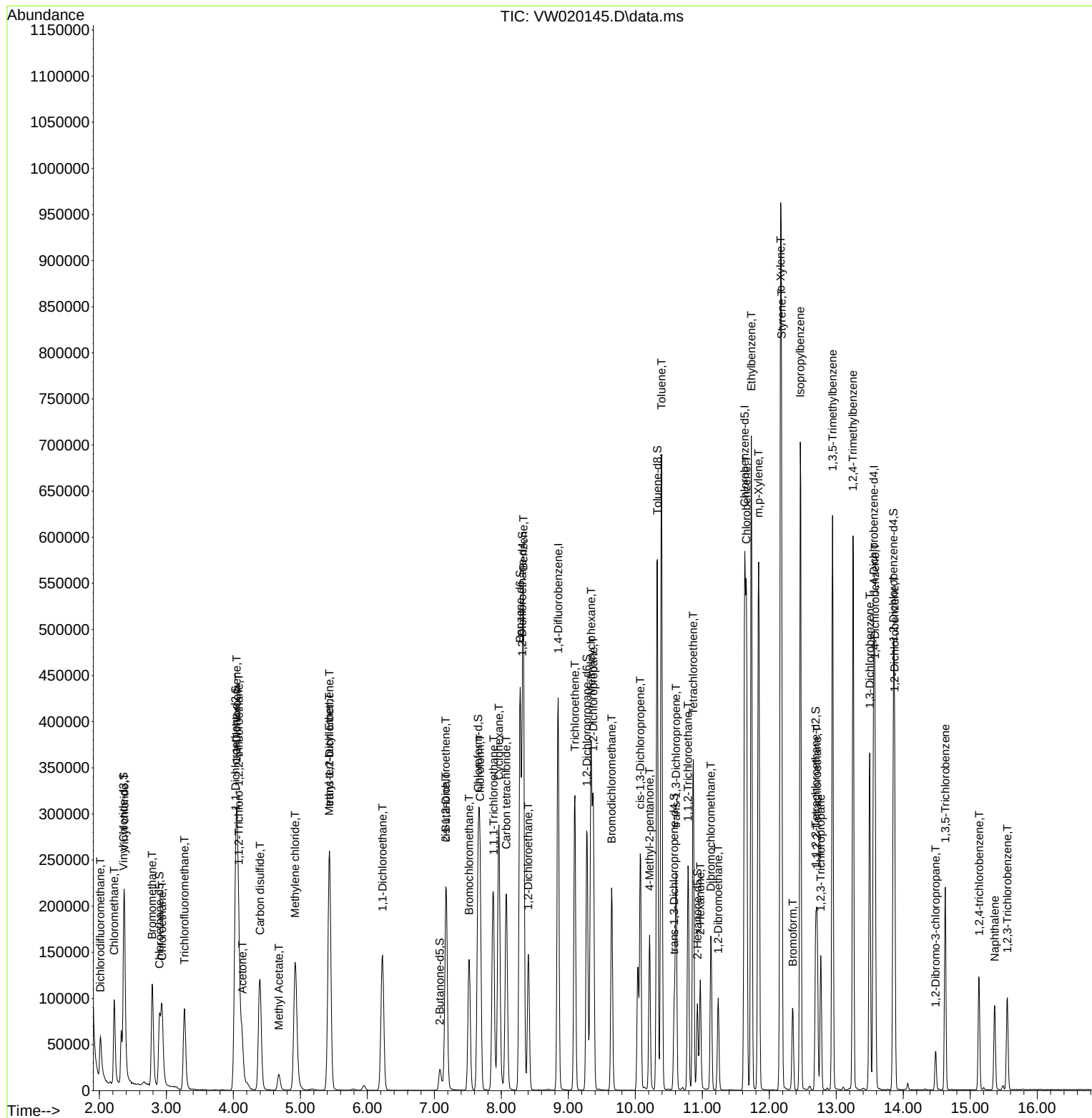
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 136243   | 22.365 | ug/L  | 100      |
| 29) Cyclohexane               | 7.964  | 56   | 152127   | 24.020 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 7.885  | 97   | 178686   | 25.335 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.074  | 117  | 164207   | 25.589 | ug/L  | 98       |
| 33) Benzene                   | 8.330  | 78   | 462958   | 26.952 | ug/L  | 100      |
| 34) Trichloroethene           | 9.098  | 95   | 111060   | 24.152 | ug/L  | 98       |
| 35) Methylcyclohexane         | 9.342  | 83   | 143244   | 19.118 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 113904   | 26.772 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.646  | 83   | 146979   | 25.510 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 148411   | 23.650 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 10.213 | 43   | 101467   | 47.352 | ug/L  | 99       |
| 42) Toluene                   | 10.390 | 91   | 486639   | 26.666 | ug/L  | 95       |
| 44) trans-1,3-Dichloropropene | 10.610 | 75   | 127320   | 22.588 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.787 | 97   | 73561    | 23.579 | ug/L  | 97       |
| 46) Tetrachloroethene         | 10.866 | 164  | 75495    | 21.241 | ug/L  | 97       |
| 48) 2-Hexanone                | 10.969 | 43   | 72046    | 48.267 | ug/L  | 96       |
| 49) Dibromochloromethane      | 11.128 | 129  | 85309    | 23.402 | ug/L  | 91       |
| 50) 1,2-Dibromoethane         | 11.238 | 107  | 64113    | 21.837 | ug/L  | 94       |
| 51) Chlorobenzene             | 11.658 | 112  | 264891   | 22.317 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.732 | 91   | 469071   | 23.336 | ug/L  | 100      |
| 53) m,p-Xylene                | 11.841 | 106  | 178435   | 23.285 | ug/L  | 97       |
| 54) o-Xylene                  | 12.170 | 106  | 171204   | 24.151 | ug/L  | 96       |
| 55) Styrene                   | 12.183 | 104  | 264121   | 21.442 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 78282    | 21.008 | ug/L  | 98       |
| 59) Bromoform                 | 12.353 | 173  | 40792    | 29.806 | ug/L  | 96       |
| 60) Isopropylbenzene          | 12.463 | 105  | 424145   | 31.514 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 58727    | 30.984 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.945 | 105  | 316671   | 28.670 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.250 | 105  | 311557   | 28.714 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 142547   | 23.095 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 142778   | 22.384 | ug/L  | 96       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 124497   | 22.147 | ug/L  | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 11390    | 26.770 | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 62039    | 14.532 | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.133 | 180  | 36439    | 11.060 | ug/L  | 94       |
| 71) Naphthalene               | 15.365 | 128  | 76963    | 13.245 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 33497    | 11.291 | ug/L  | 93       |

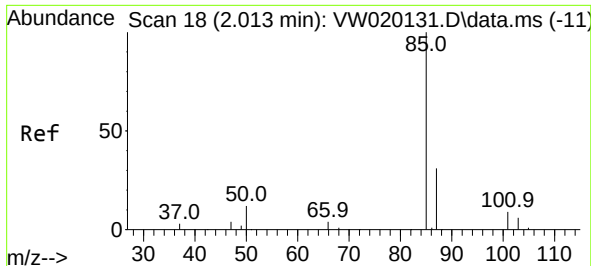
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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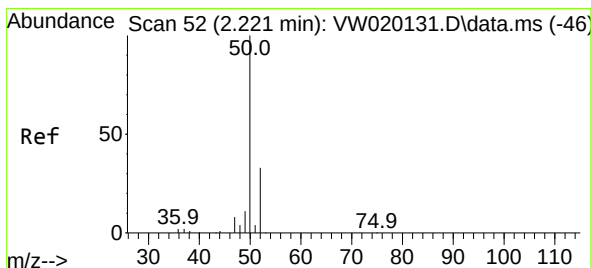
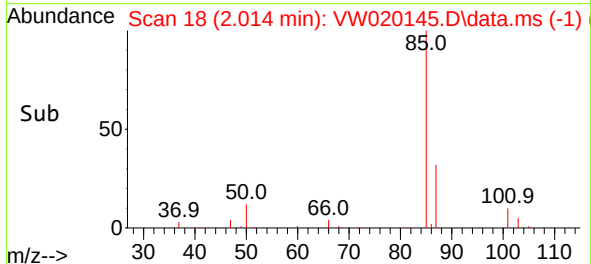
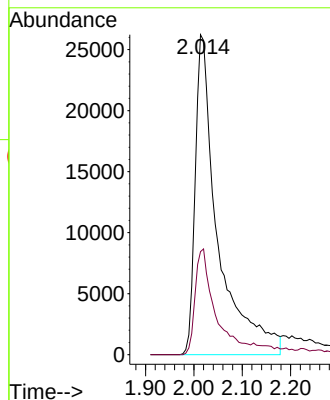
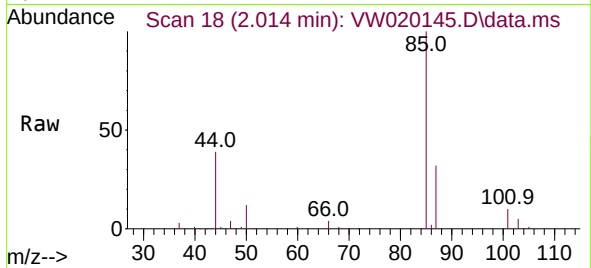




#2  
Dichlorodifluoromethane  
Concen: 28.283 ug/L  
RT: 2.014 min Scan# 18  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

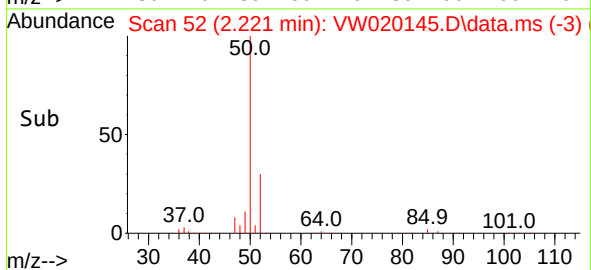
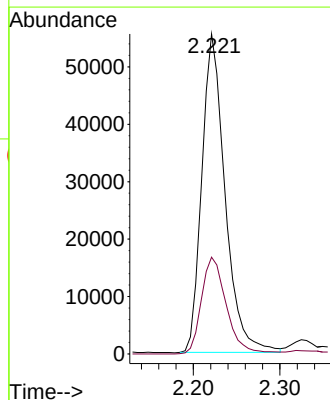
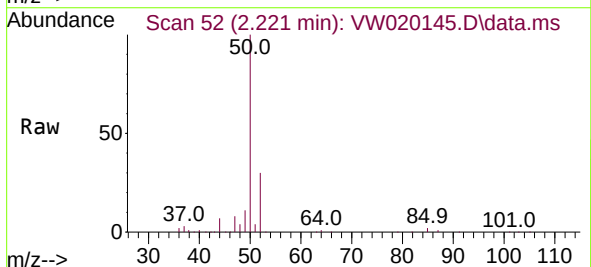
Instrument :  
MSVOA\_W  
ClientSampled :  
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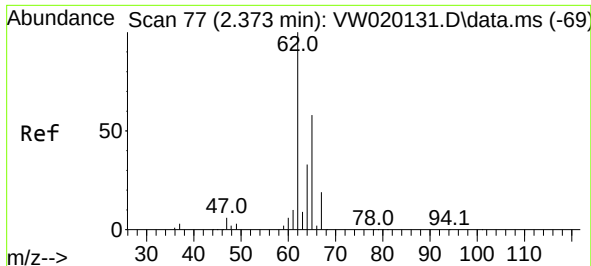
Tgt Ion: 85 Resp: 85098  
Ion Ratio Lower Upper  
85 100  
87 29.4 26.3 39.5



#3  
Chloromethane  
Concen: 24.853 ug/L  
RT: 2.221 min Scan# 52  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

Tgt Ion: 50 Resp: 103403  
Ion Ratio Lower Upper  
50 100  
52 30.2 22.5 41.9

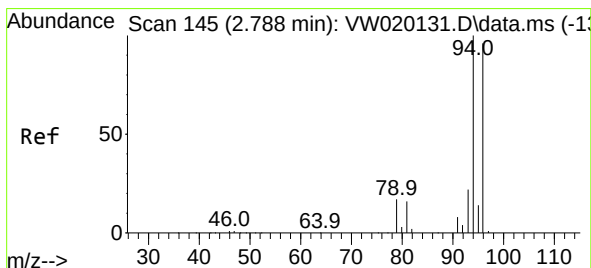
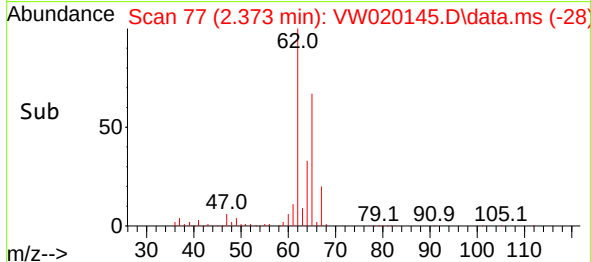
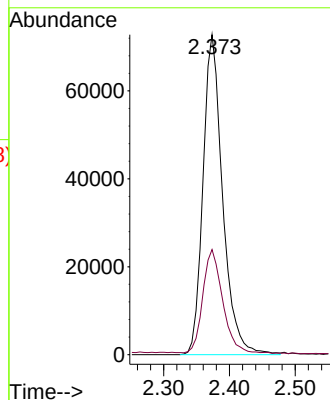
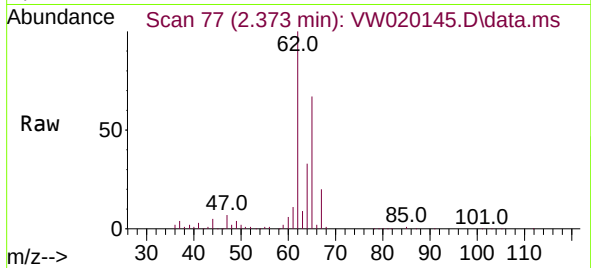




#5  
 Vinyl chloride  
 Concen: 23.151 ug/L  
 RT: 2.373 min Scan# 77  
 Delta R.T. 0.000 min  
 Lab File: VW020145.D  
 Acq: 23 Sep 2021 14:49

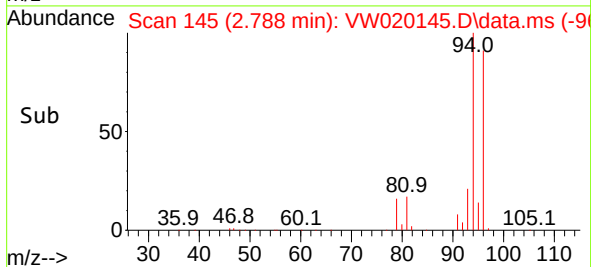
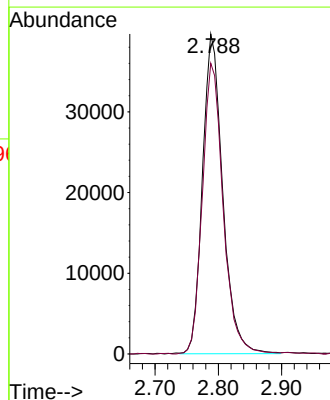
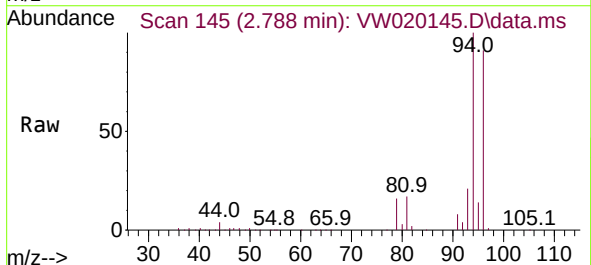
Instrument :  
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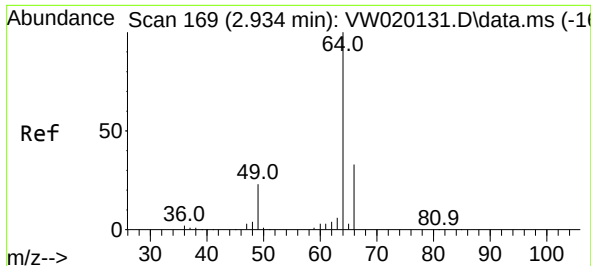
Tgt Ion: 62 Resp: 151247  
 Ion Ratio Lower Upper  
 62 100  
 64 32.8 24.5 45.5



#6  
 Bromomethane  
 Concen: 20.886 ug/L  
 RT: 2.788 min Scan# 145  
 Delta R.T. 0.000 min  
 Lab File: VW020145.D  
 Acq: 23 Sep 2021 14:49

Tgt Ion: 94 Resp: 88210  
 Ion Ratio Lower Upper  
 94 100  
 96 90.9 64.8 120.3

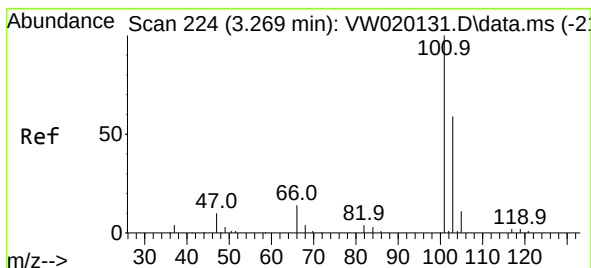
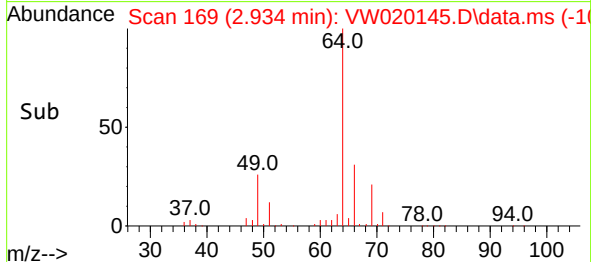
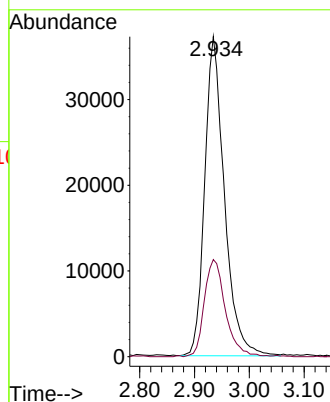
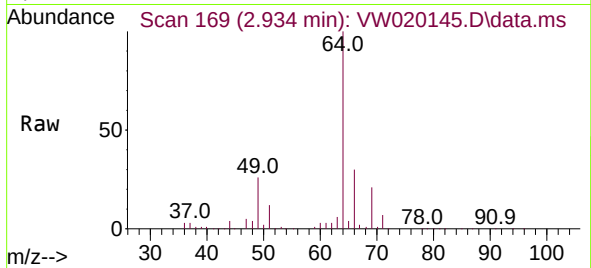




#8  
Chloroethane  
Concen: 23.485 ug/L  
RT: 2.934 min Scan# 169  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

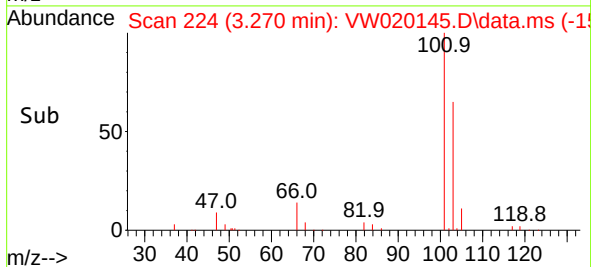
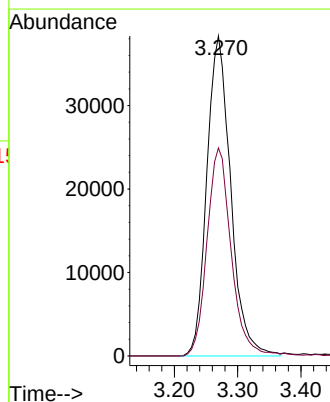
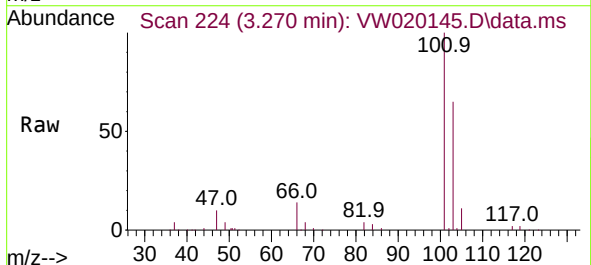
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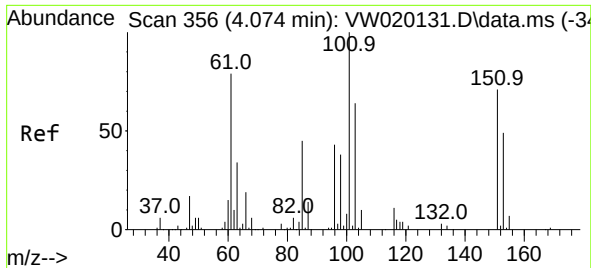
Tgt Ion: 64 Resp: 92781  
Ion Ratio Lower Upper  
64 100  
66 30.4 22.0 40.8



#9  
Trichlorofluoromethane  
Concen: 21.870 ug/L  
RT: 3.270 min Scan# 224  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
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Tgt Ion:101 Resp: 100521  
Ion Ratio Lower Upper  
101 100  
103 65.5 51.3 76.9

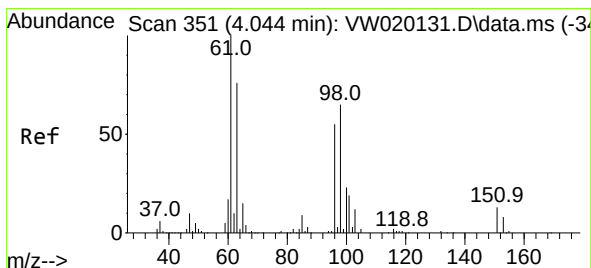
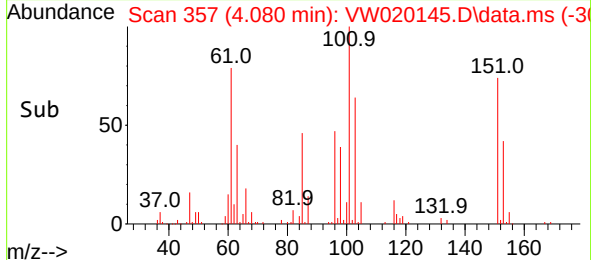
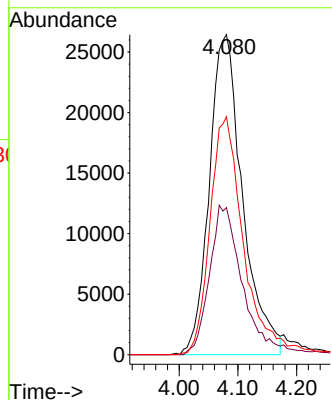
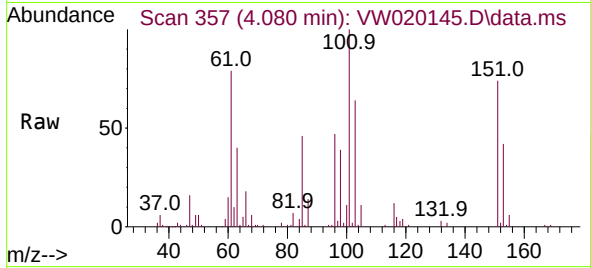




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 20.675 ug/L  
RT: 4.080 min Scan# 357  
Delta R.T. 0.006 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

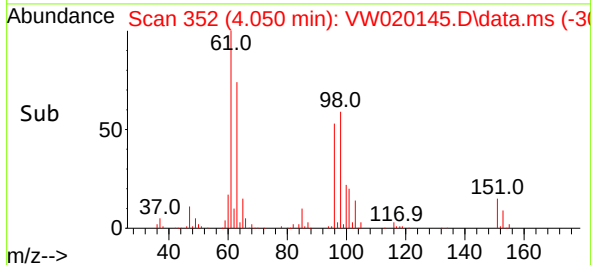
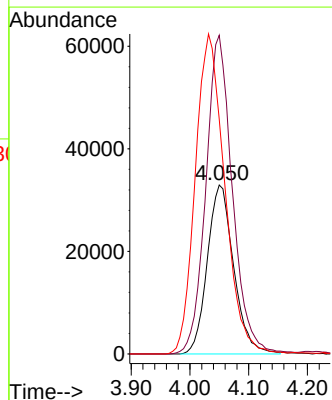
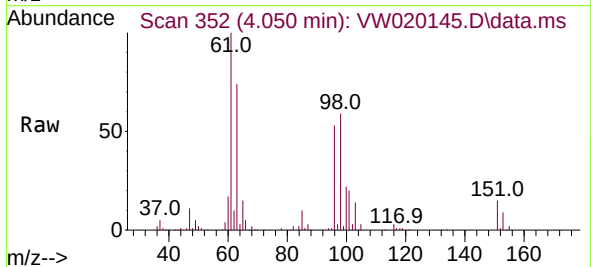
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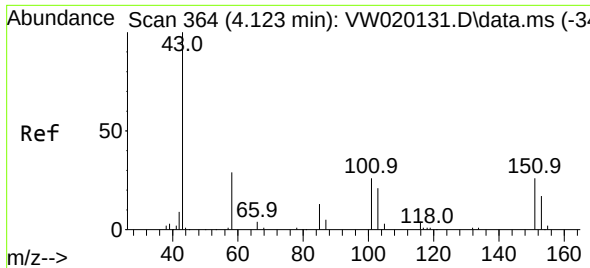
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Ion Ratio Lower Upper  
101 100  
85 45.3 35.4 53.0  
151 73.6 59.0 88.6



#12  
1,1-Dichloroethene  
Concen: 22.569 ug/L  
RT: 4.050 min Scan# 352  
Delta R.T. 0.006 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

Tgt Ion: 96 Resp: 102815  
Ion Ratio Lower Upper  
96 100  
61 188.6 126.1 234.3  
63 139.0 112.6 209.0

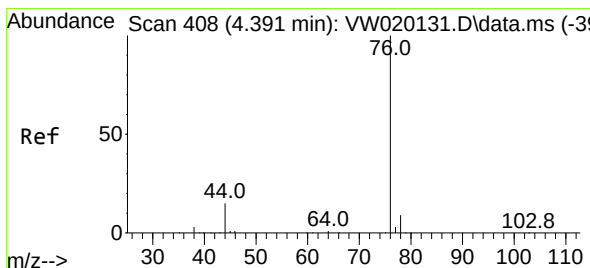
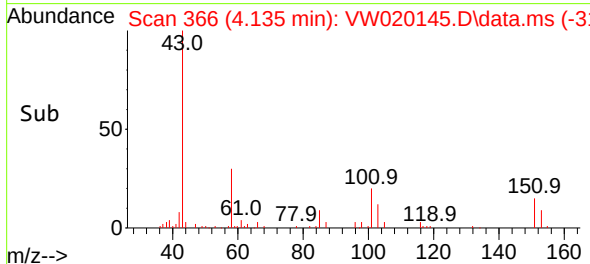
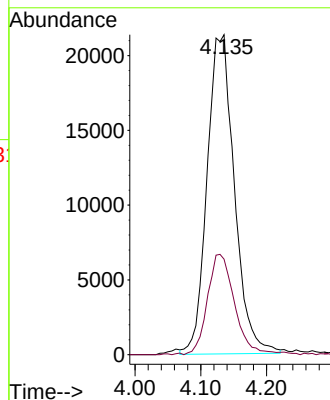
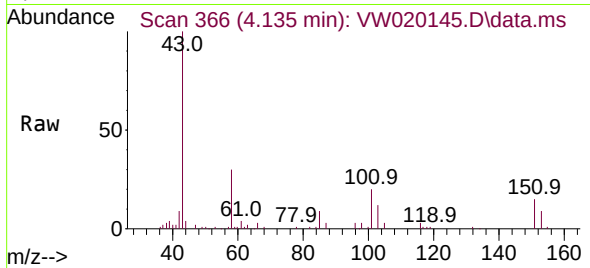




#13  
Acetone  
Concen: 66.455 ug/L  
RT: 4.135 min Scan# 366  
Delta R.T. 0.012 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

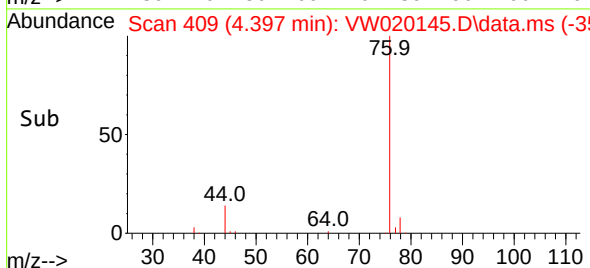
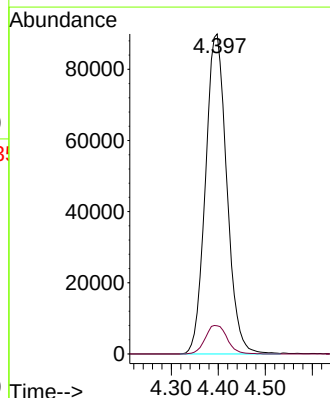
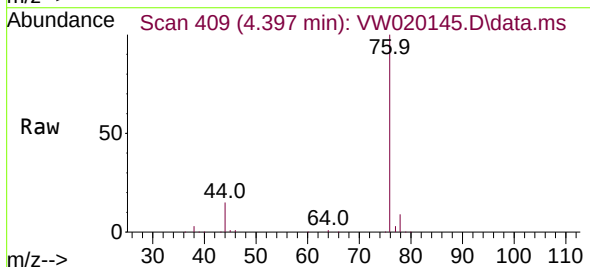
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

Tgt Ion: 43 Resp: 61723  
Ion Ratio Lower Upper  
43 100  
58 31.0 0.0 61.6

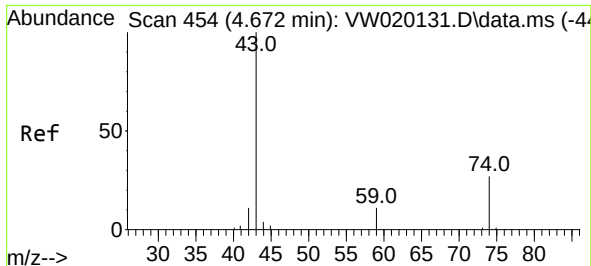


#14  
Carbon disulfide  
Concen: 19.758 ug/L  
RT: 4.397 min Scan# 409  
Delta R.T. 0.006 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

Tgt Ion: 76 Resp: 283070  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.5 11.3



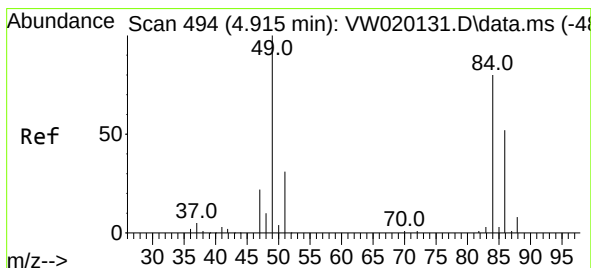
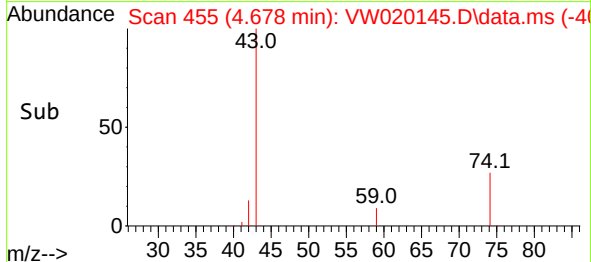
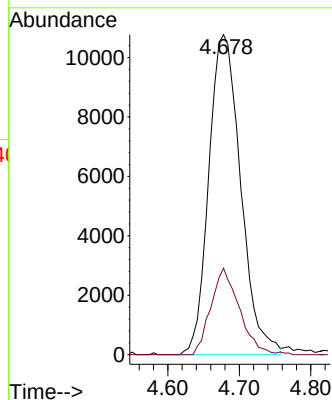
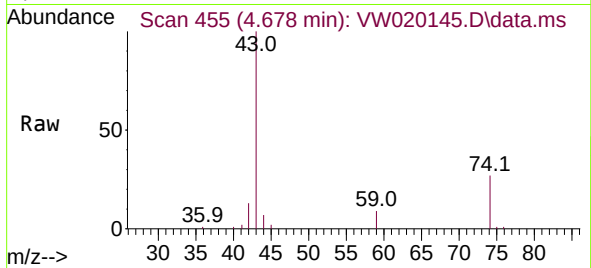




#15  
Methyl Acetate  
Concen: 18.775 ug/L  
RT: 4.678 min Scan# 455  
Delta R.T. 0.006 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

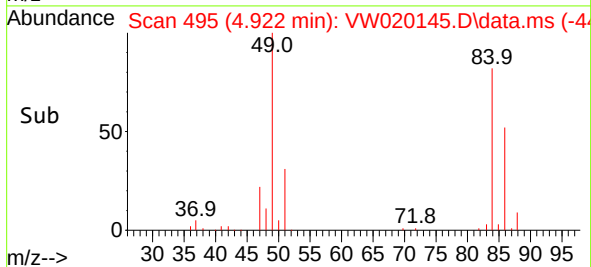
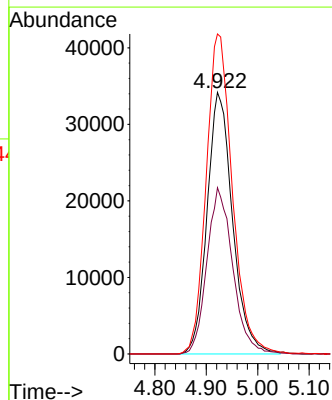
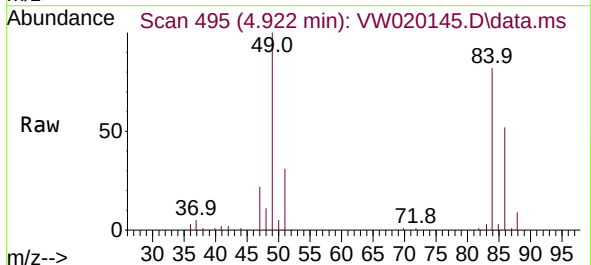
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

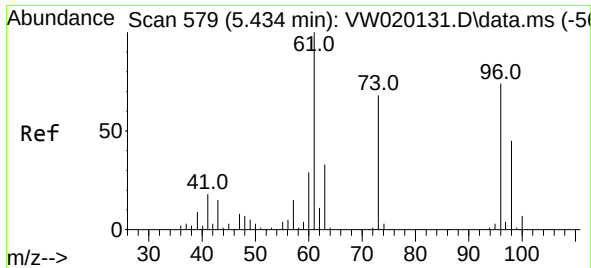
Tgt Ion: 43 Resp: 33347  
Ion Ratio Lower Upper  
43 100  
74 24.1 20.0 30.0



#16  
Methylene chloride  
Concen: 19.429 ug/L  
RT: 4.922 min Scan# 495  
Delta R.T. 0.006 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

Tgt Ion: 84 Resp: 117771  
Ion Ratio Lower Upper  
84 100  
86 63.5 42.6 79.0  
49 122.3 83.4 154.8

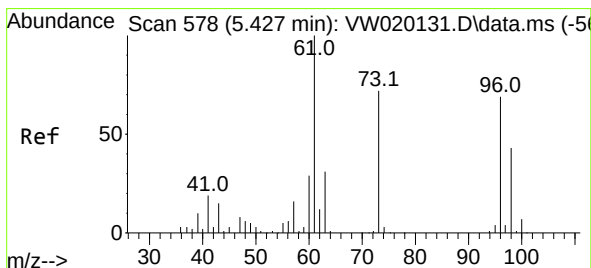
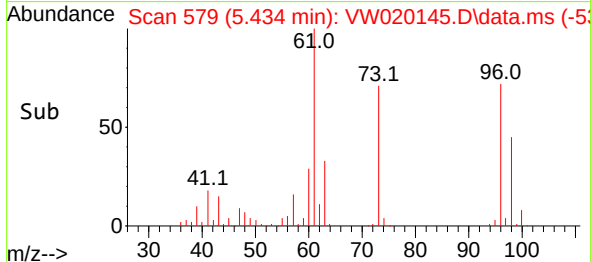
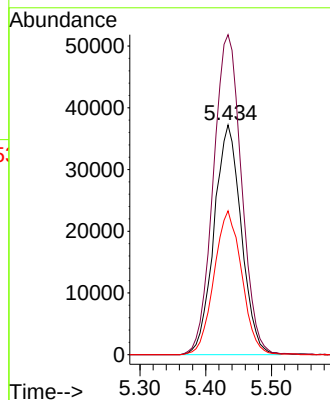
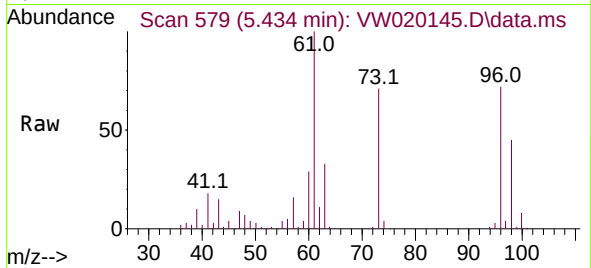




#17  
trans-1,2-Dichloroethene  
Concen: 22.374 ug/L  
RT: 5.434 min Scan# 579  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

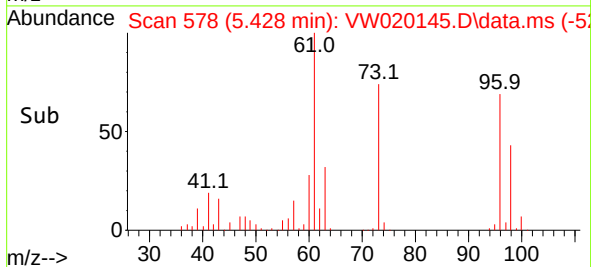
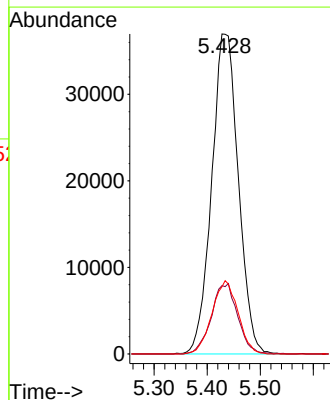
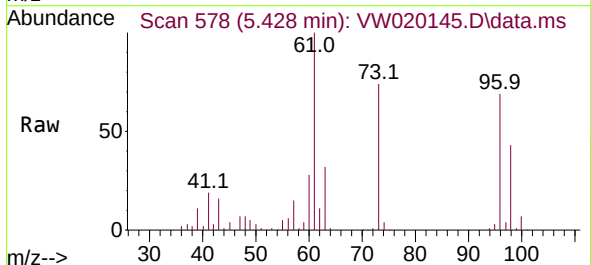
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

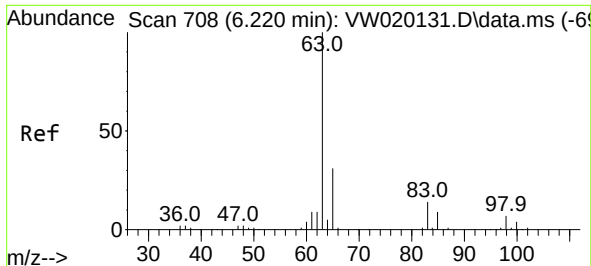
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 107377 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 139.3 | 98.3  | 182.5  |
| 98       | 62.6  | 46.6  | 86.6   |



#18  
Methyl tert-butyl Ether  
Concen: 22.660 ug/L  
RT: 5.428 min Scan# 578  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 73    | Resp: | 129100 |
| Ion      | Ratio | Lower | Upper  |
| 73       | 100   |       |        |
| 43       | 21.7  | 17.4  | 26.0   |
| 57       | 22.3  | 17.4  | 26.0   |





#19

1,1-Dichloroethane

Concen: 23.893 ug/L

RT: 6.226 min Scan# 709

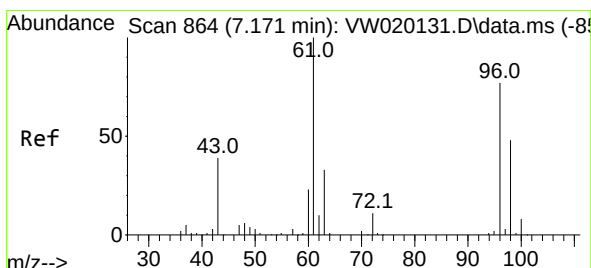
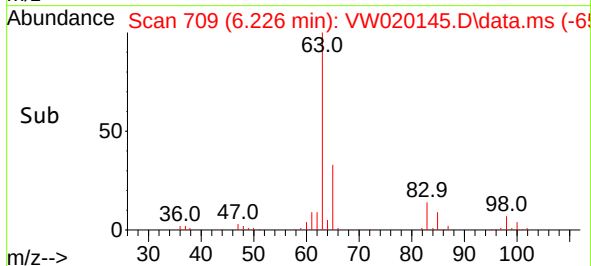
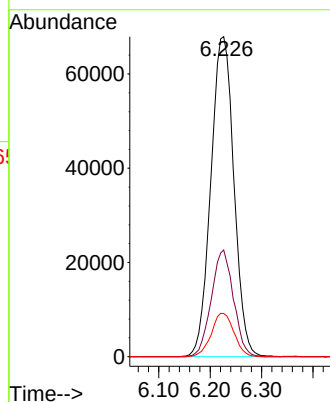
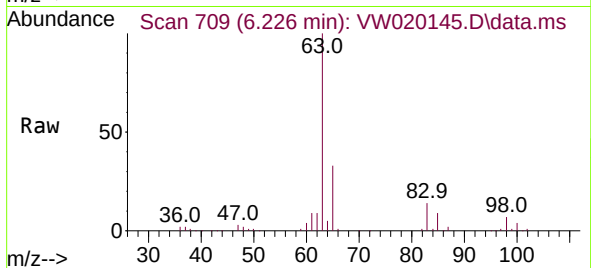
Delta R.T. 0.006 min

Lab File: VW020145.D

Acq: 23 Sep 2021 14:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 63    | Resp: | 211494 |
| Ion      | Ratio | Lower | Upper  |
| 63       | 100   |       |        |
| 65       | 33.4  | 23.1  | 42.9   |
| 83       | 13.5  | 9.4   | 17.6   |

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW411



#20

cis-1,2-Dichloroethene

Concen: 22.827 ug/L

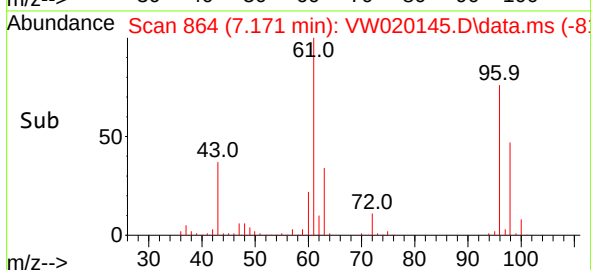
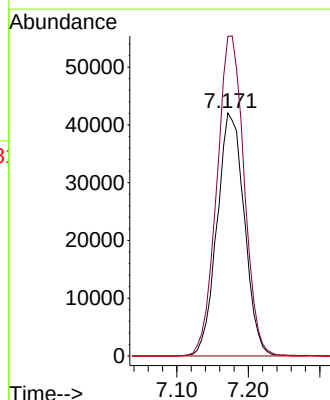
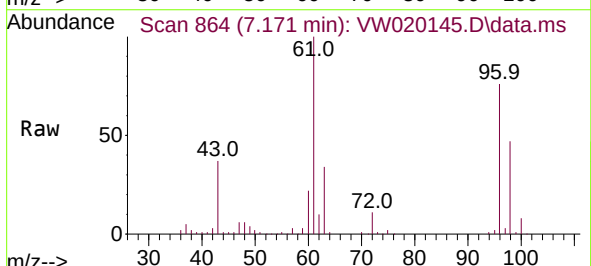
RT: 7.171 min Scan# 864

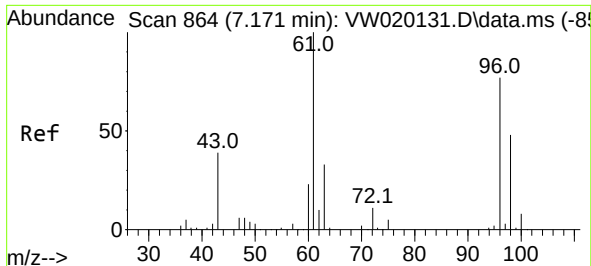
Delta R.T. 0.000 min

Lab File: VW020145.D

Acq: 23 Sep 2021 14:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 111414 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 131.6 | 89.9  | 167.0  |
| 68       | 0.0   | 0.0   | 0.0    |

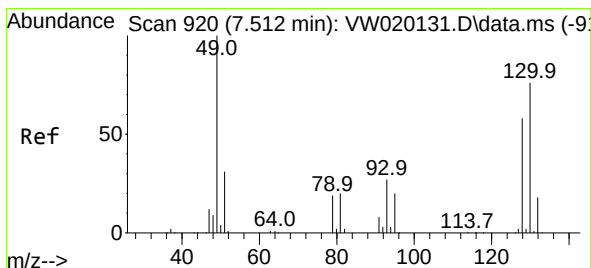
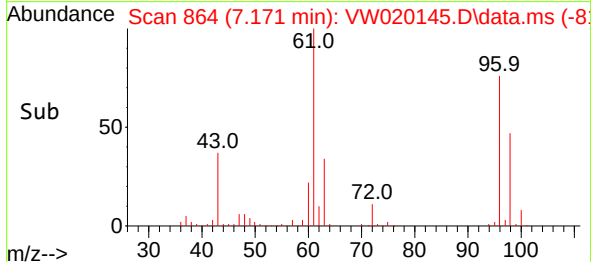
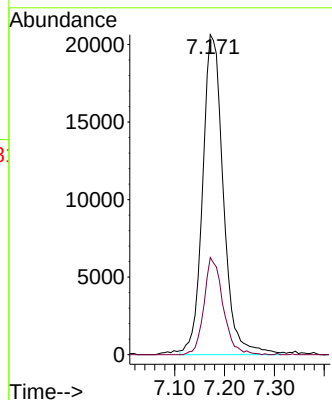
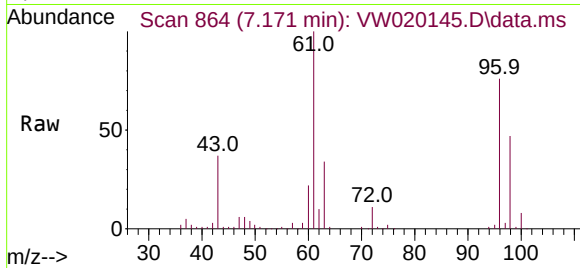




#22  
2-Butanone  
Concen: 49.519 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

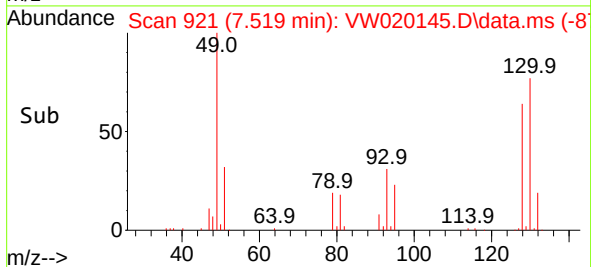
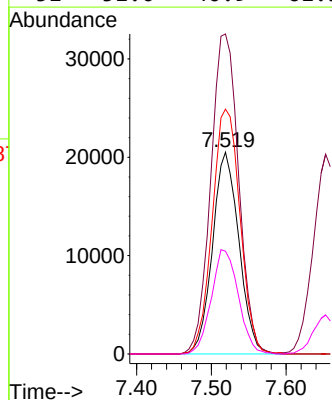
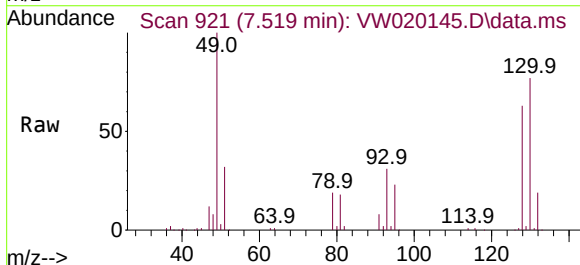
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

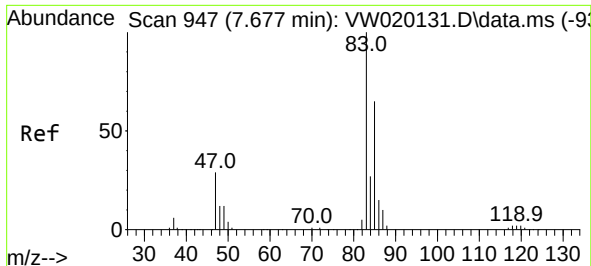
Tgt Ion: 43 Resp: 59669  
Ion Ratio Lower Upper  
43 100  
72 27.5 14.1 42.2



#23  
Bromochloromethane  
Concen: 22.793 ug/L  
RT: 7.519 min Scan# 921  
Delta R.T. 0.006 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

Tgt Ion: 128 Resp: 50431  
Ion Ratio Lower Upper  
128 100  
49 158.6 114.7 213.1  
130 121.4 94.2 175.0  
51 51.0 40.9 61.3

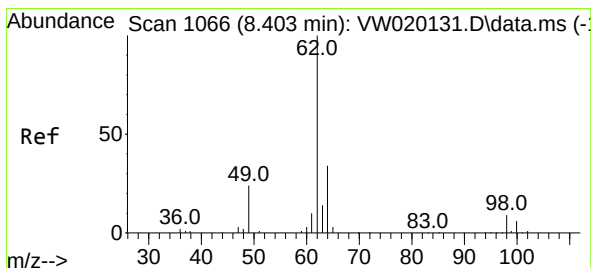
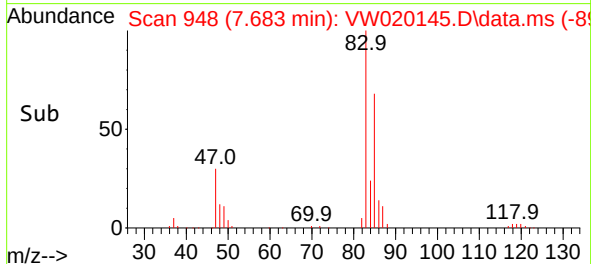
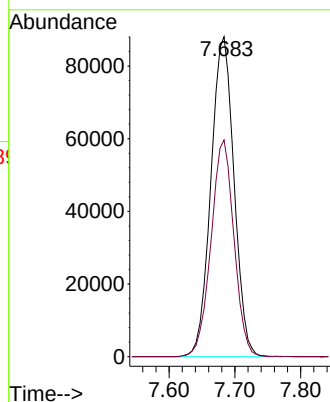
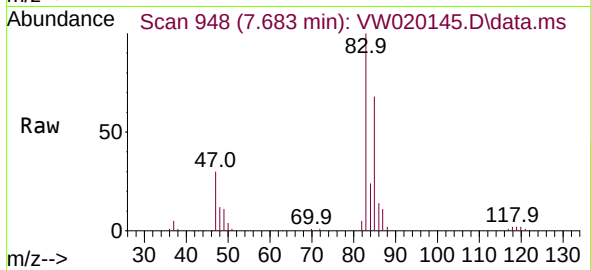




#25  
Chloroform  
Concen: 23.267 ug/L  
RT: 7.683 min Scan# 948  
Delta R.T. 0.006 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

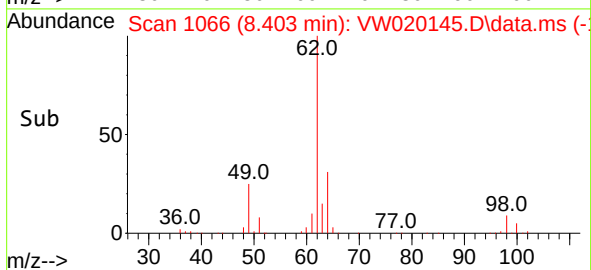
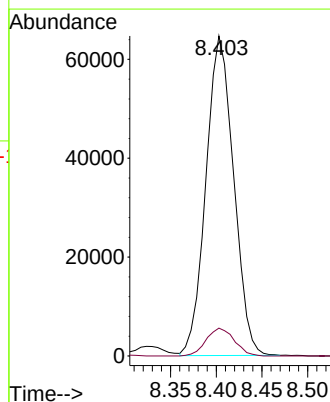
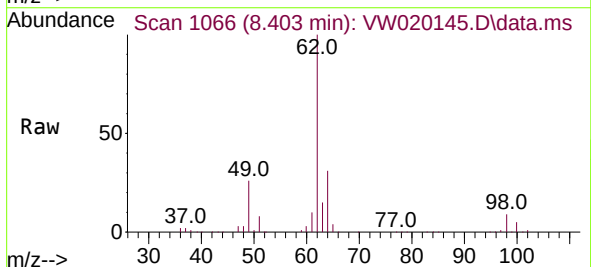
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

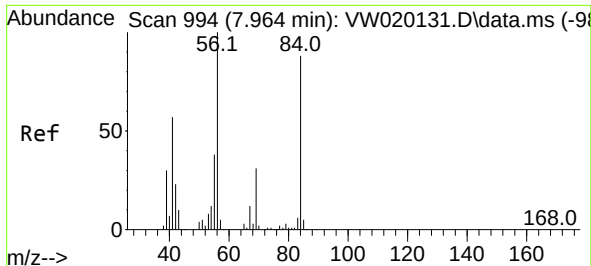
Tgt Ion: 83 Resp: 215379  
Ion Ratio Lower Upper  
83 100  
85 67.7 45.6 84.8



#27  
1,2-Dichloroethane  
Concen: 22.365 ug/L  
RT: 8.403 min Scan# 1066  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

Tgt Ion: 62 Resp: 136243  
Ion Ratio Lower Upper  
62 100  
98 8.7 6.9 10.3

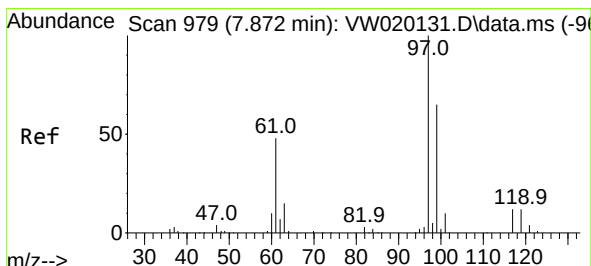
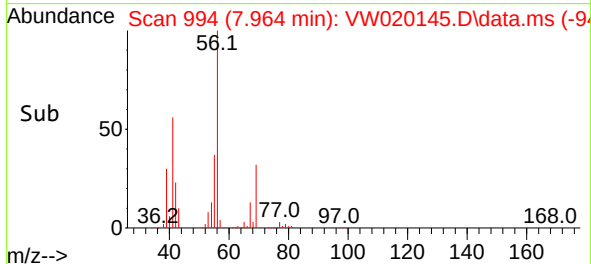
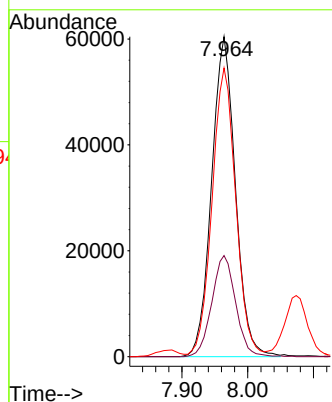
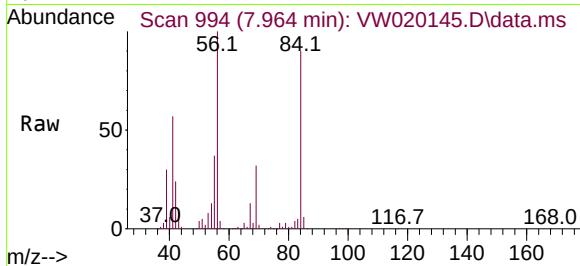




#29  
Cyclohexane  
Concen: 24.020 ug/L  
RT: 7.964 min Scan# 994  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

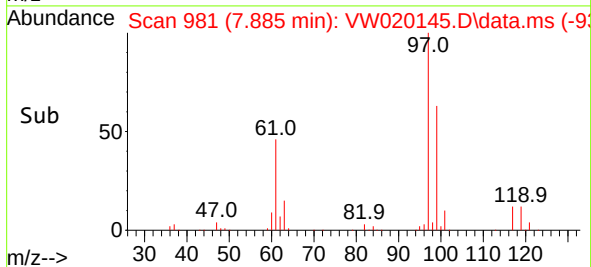
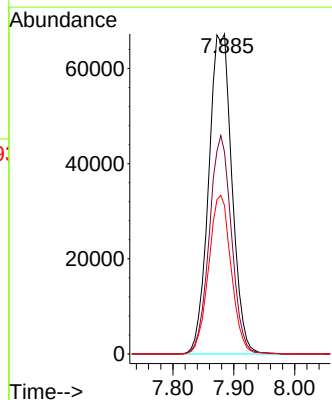
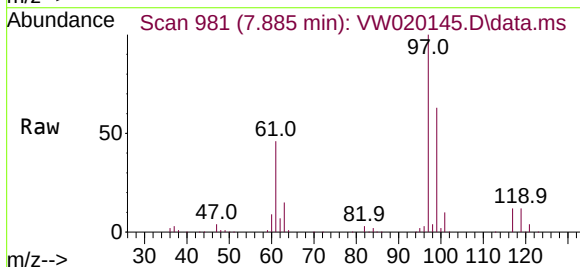
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW411

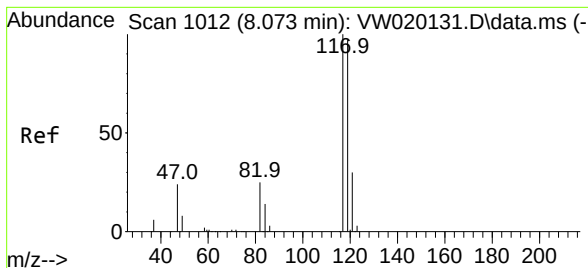
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 56    | Resp: | 152127 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 31.5  | 25.7  | 38.5   |
| 84        | 90.0  | 73.4  | 110.2  |



#30  
1,1,1-Trichloroethane  
Concen: 25.335 ug/L  
RT: 7.885 min Scan# 981  
Delta R.T. 0.012 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 178686 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 64.8  | 51.4  | 77.0   |
| 61        | 48.1  | 37.5  | 56.3   |

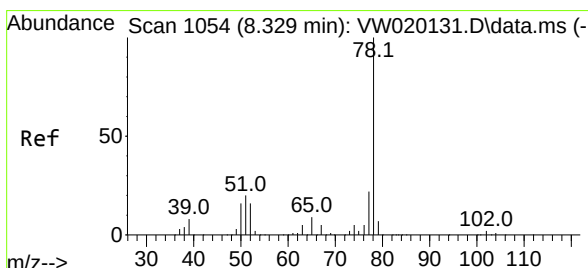
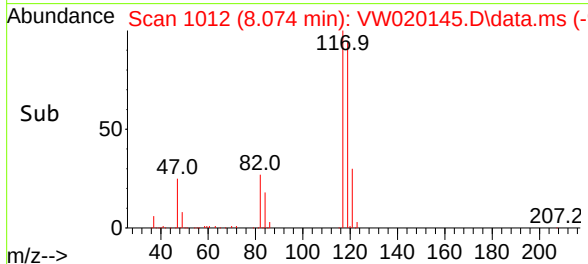
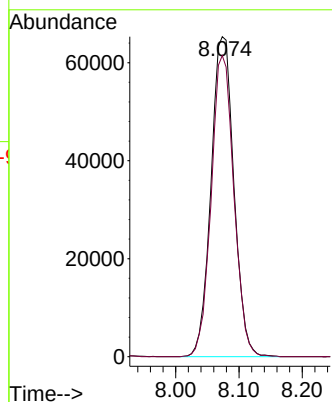
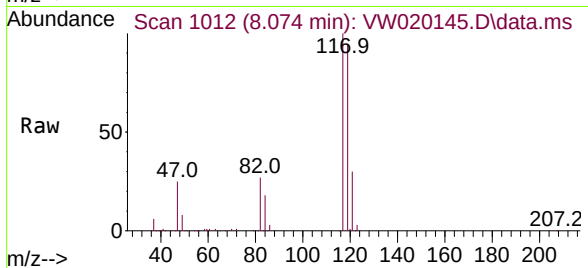




#31  
Carbon tetrachloride  
Concen: 25.589 ug/L  
RT: 8.074 min Scan# 1012  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

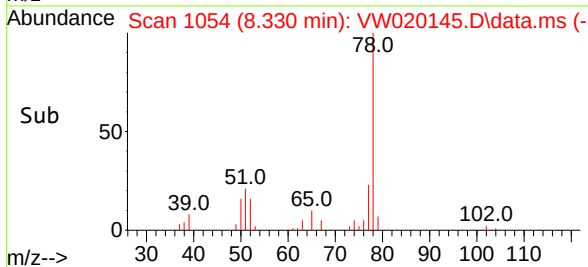
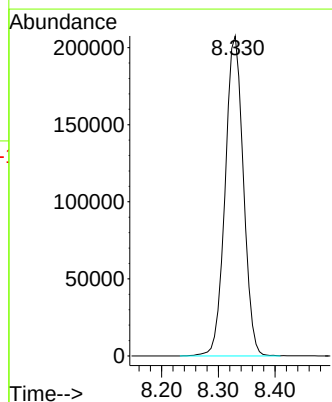
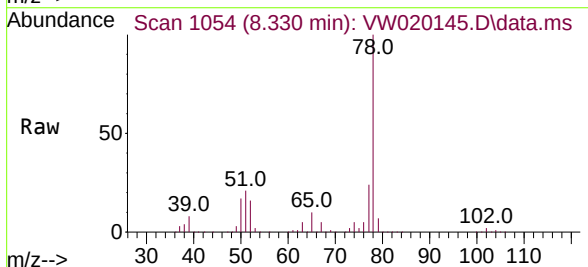
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW411

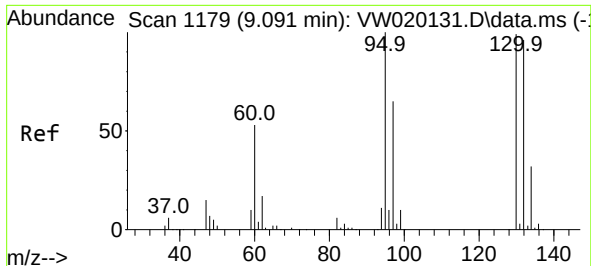
Tgt Ion:117 Resp: 164207  
Ion Ratio Lower Upper  
117 100  
119 93.1 76.4 114.6



#33  
Benzene  
Concen: 26.952 ug/L  
RT: 8.330 min Scan# 1054  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

Tgt Ion: 78 Resp: 462958





#34

Trichloroethene

Concen: 24.152 ug/L

RT: 9.098 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VW020145.D

Acq: 23 Sep 2021 14:49

Tgt Ion: 95 Resp: 111060

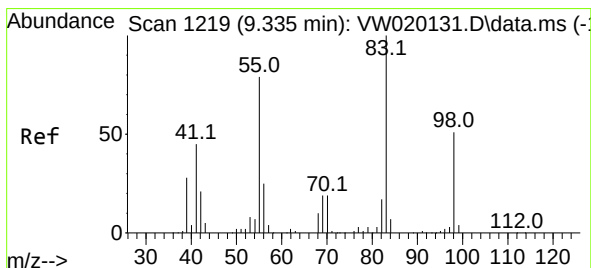
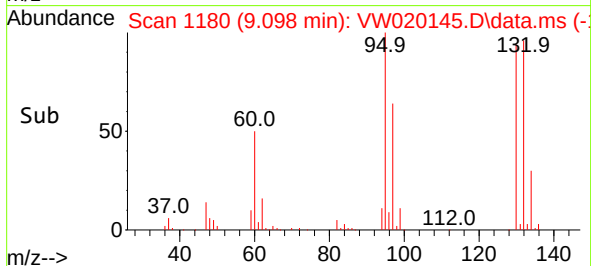
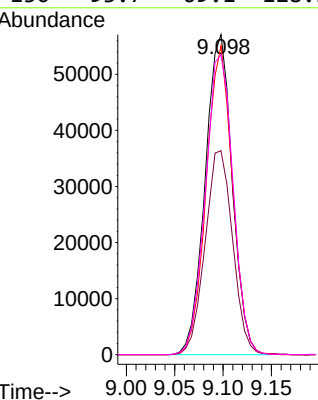
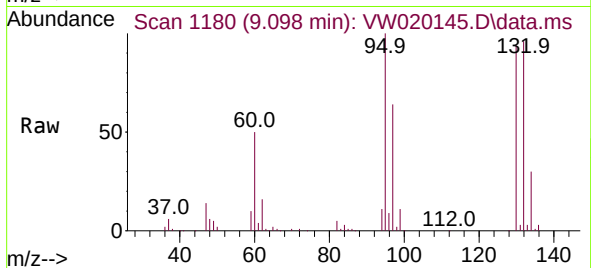
Ion Ratio Lower Upper

95 100

97 63.8 45.1 83.7

132 96.5 67.9 126.1

130 93.7 69.1 128.3



#35

Methylcyclohexane

Concen: 19.118 ug/L

RT: 9.342 min Scan# 1220

Delta R.T. 0.006 min

Lab File: VW020145.D

Acq: 23 Sep 2021 14:49

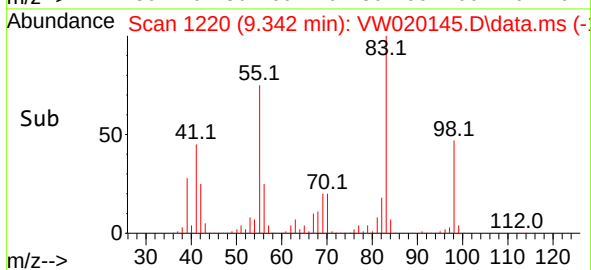
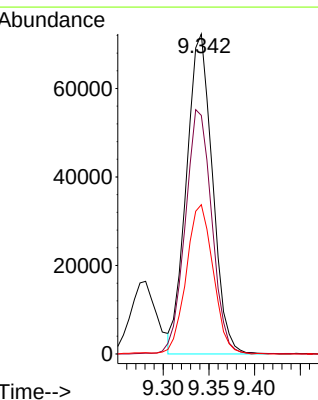
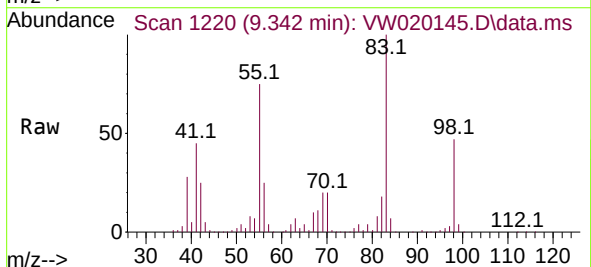
Tgt Ion: 83 Resp: 143244

Ion Ratio Lower Upper

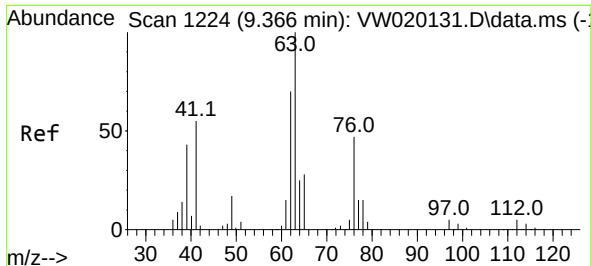
83 100

55 77.8 61.4 92.2

98 48.4 38.1 57.1



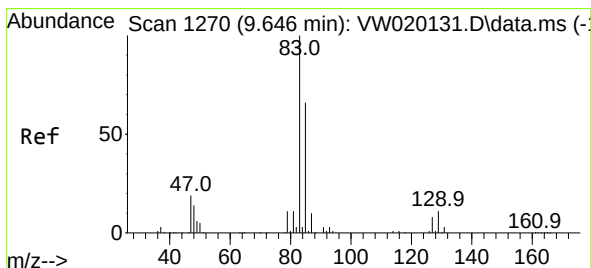
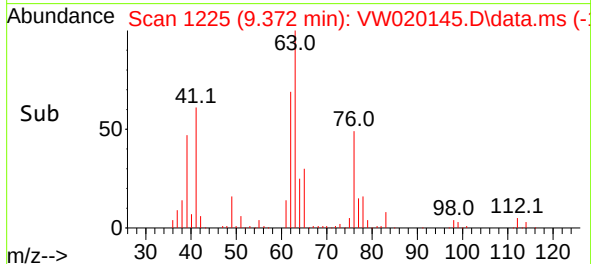
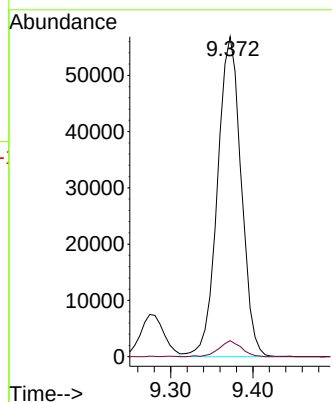
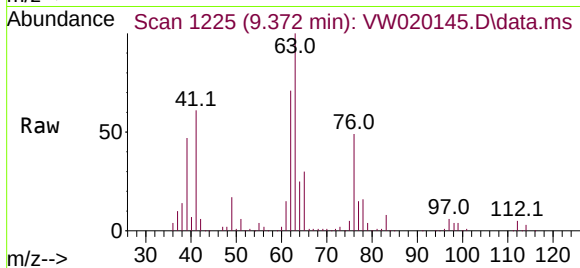




#37  
1,2-Dichloropropane  
Concen: 26.772 ug/L  
RT: 9.372 min Scan# 1225  
Delta R.T. 0.006 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

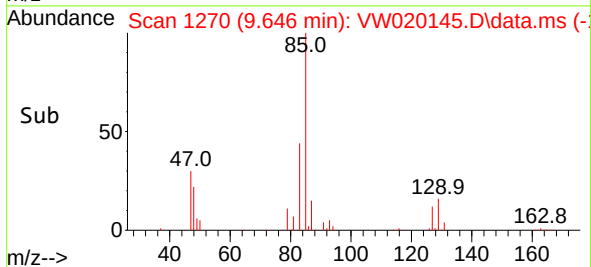
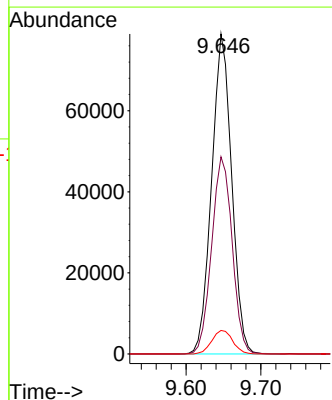
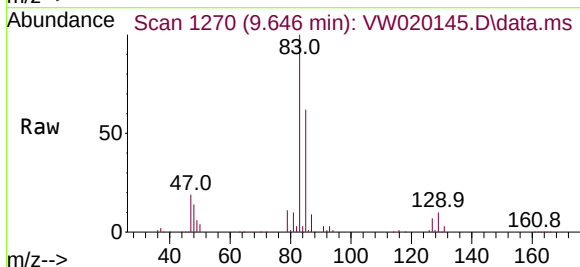
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

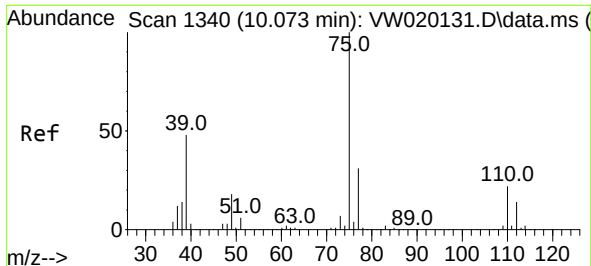
Tgt Ion: 63 Resp: 113904  
Ion Ratio Lower Upper  
63 100  
112 4.6 3.6 5.4



#38  
Bromodichloromethane  
Concen: 25.510 ug/L  
RT: 9.646 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

Tgt Ion: 83 Resp: 146979  
Ion Ratio Lower Upper  
83 100  
85 61.6 44.4 82.5  
127 7.3 6.5 9.7

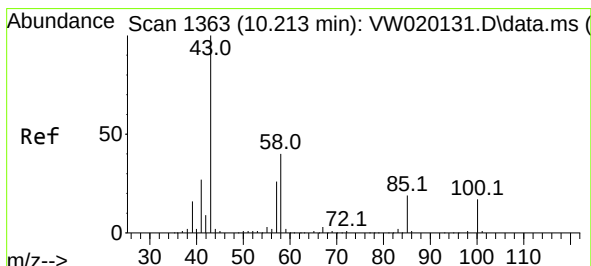
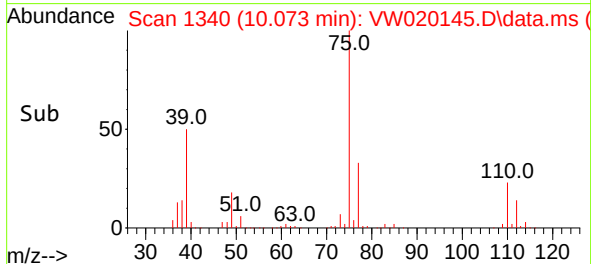
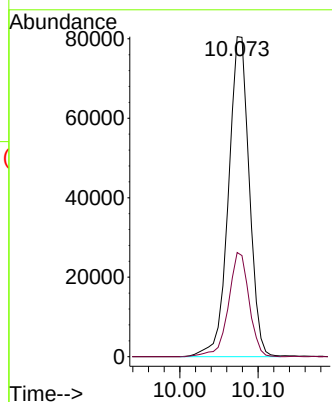
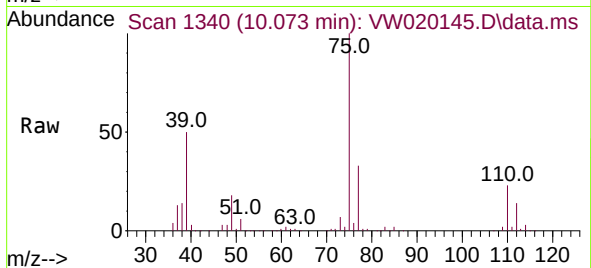




#39  
cis-1,3-Dichloropropene  
Concen: 23.650 ug/L  
RT: 10.073 min Scan# 1340  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

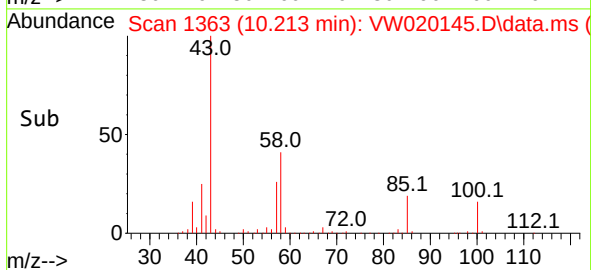
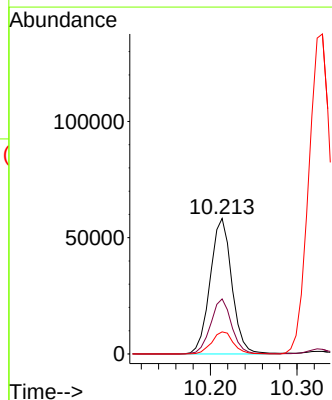
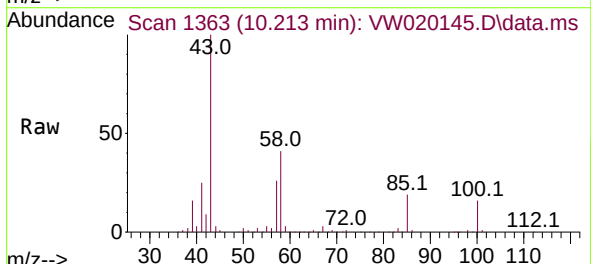
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW411

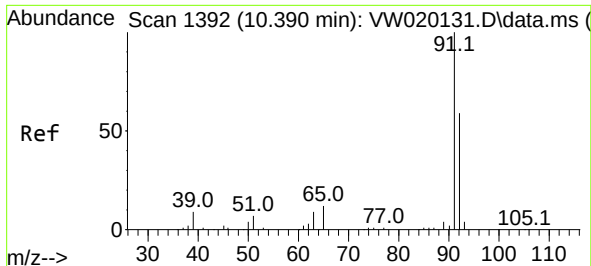
Tgt Ion: 75 Resp: 148411  
Ion Ratio Lower Upper  
75 100  
77 32.5 23.0 42.6



#40  
4-Methyl-2-pentanone  
Concen: 47.352 ug/L  
RT: 10.213 min Scan# 1363  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

Tgt Ion: 43 Resp: 101467  
Ion Ratio Lower Upper  
43 100  
58 39.4 31.3 46.9  
100 16.3 13.3 19.9

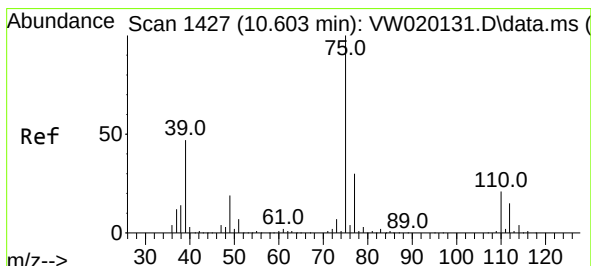
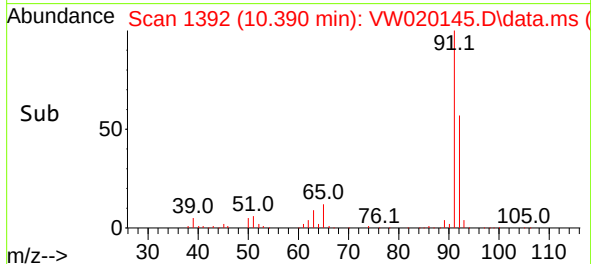
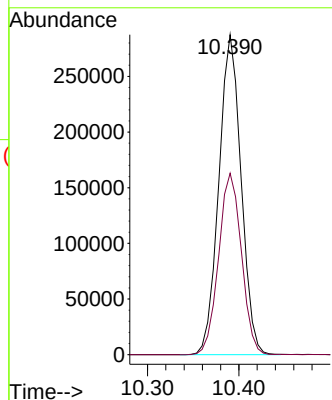
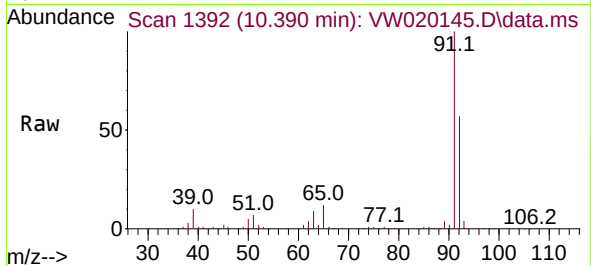




#42  
Toluene  
Concen: 26.666 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

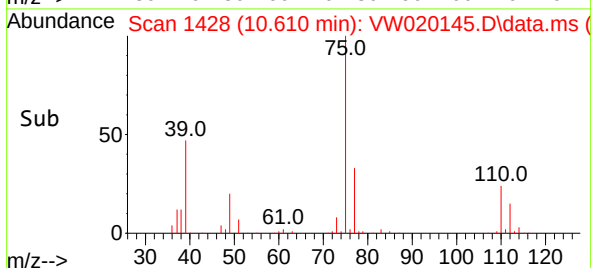
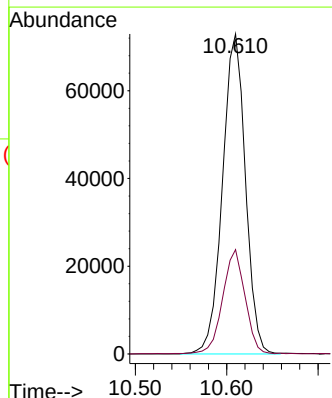
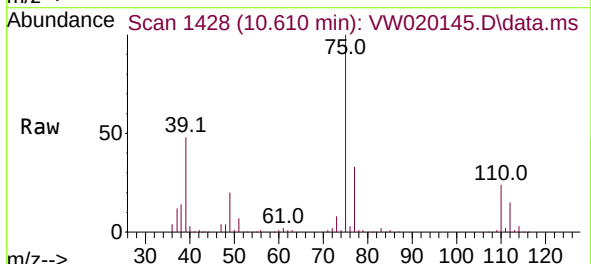
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

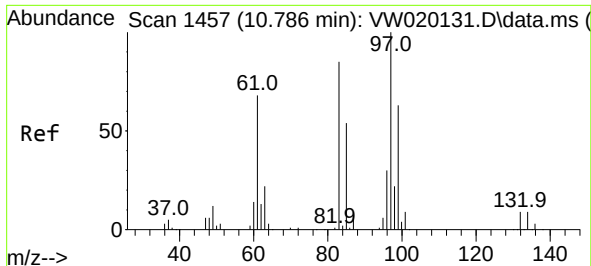
Tgt Ion: 91 Resp: 486639  
Ion Ratio Lower Upper  
91 100  
92 56.7 42.2 78.4



#44  
trans-1,3-Dichloropropene  
Concen: 22.588 ug/L  
RT: 10.610 min Scan# 1428  
Delta R.T. 0.006 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

Tgt Ion: 75 Resp: 127320  
Ion Ratio Lower Upper  
75 100  
77 32.6 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 23.579 ug/L

RT: 10.787 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VW020145.D

Acq: 23 Sep 2021 14:49

Tgt Ion: 97 Resp: 73561

Ion Ratio Lower Upper

97 100

99 61.5 42.0 78.0

83 88.8 58.7 108.9

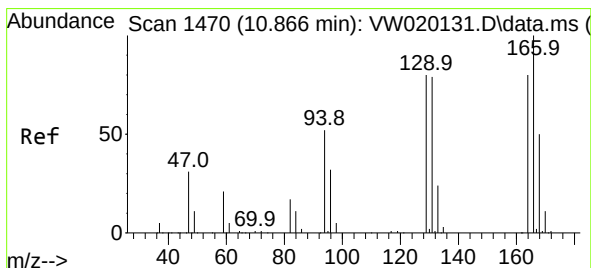
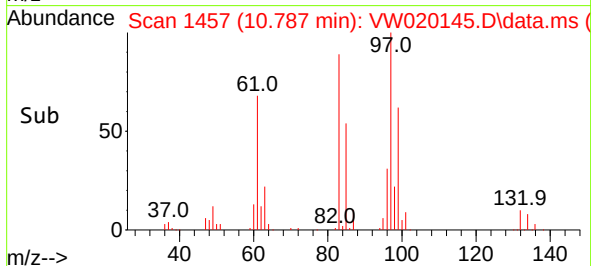
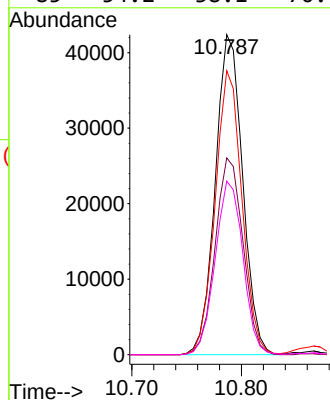
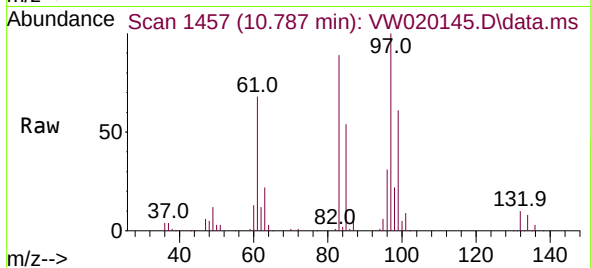
85 54.2 38.1 70.7

Instrument :

MSVOA\_W

ClientSampled :

EW411



#46

Tetrachloroethene

Concen: 21.241 ug/L

RT: 10.866 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VW020145.D

Acq: 23 Sep 2021 14:49

Tgt Ion:164 Resp: 75495

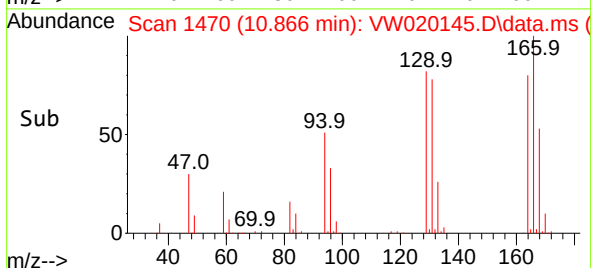
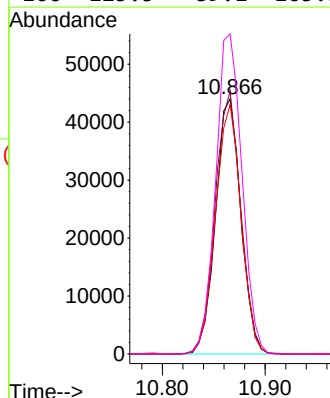
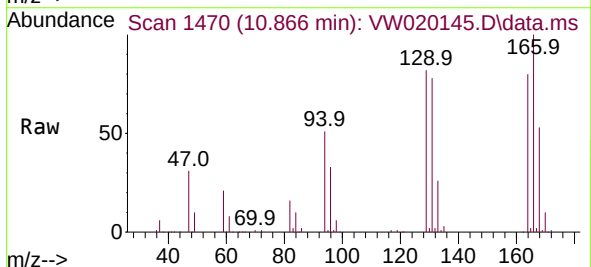
Ion Ratio Lower Upper

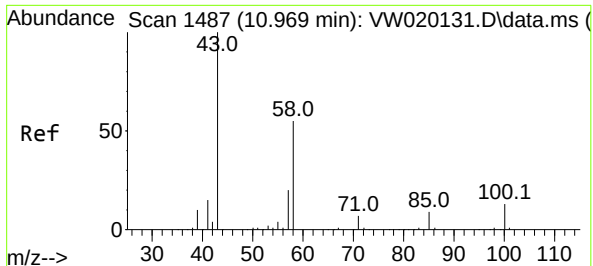
164 100

129 103.1 69.5 129.1

131 97.8 66.5 123.5

166 125.5 89.1 165.5

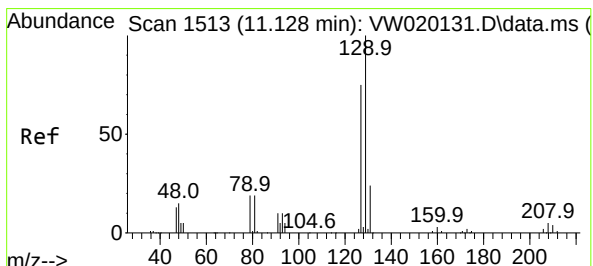
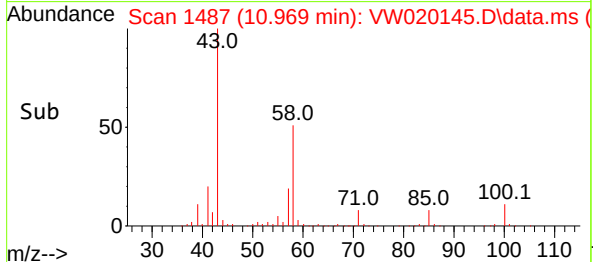
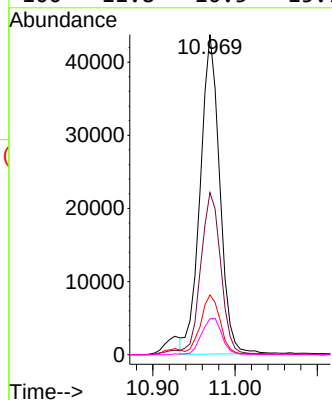
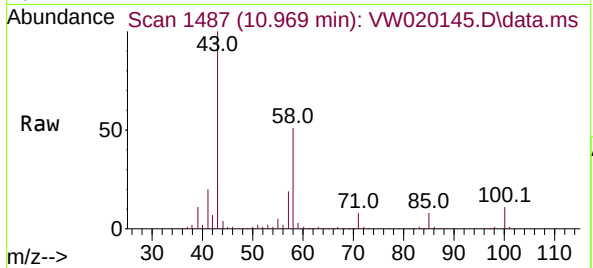




#48  
2-Hexanone  
Concen: 48.267 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

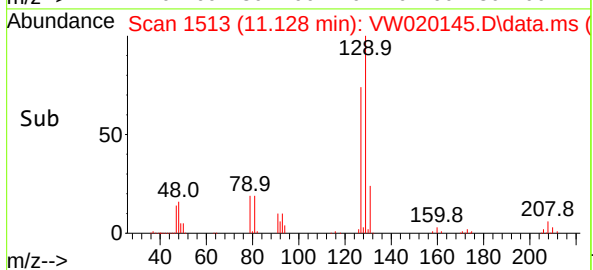
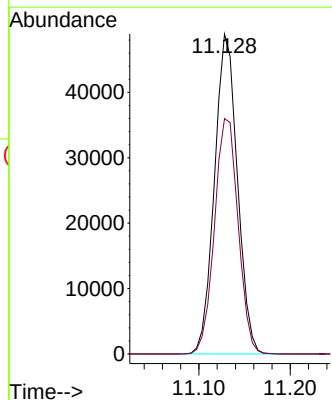
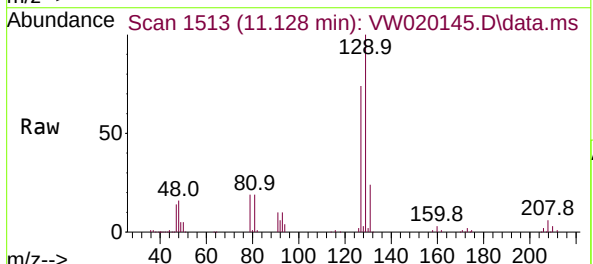
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

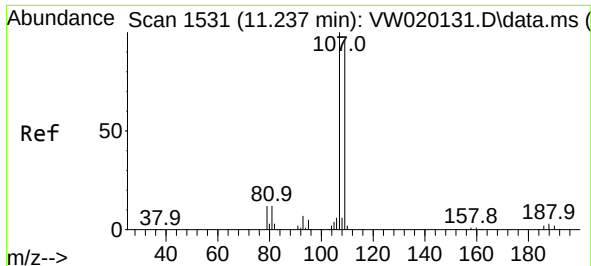
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 72046 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 51.9  | 43.8  | 65.6  |
| 57       | 18.3  | 15.6  | 23.4  |
| 100      | 11.8  | 10.5  | 15.7  |



#49  
Dibromochloromethane  
Concen: 23.402 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 85309 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 73.5  | 57.0  | 105.8 |

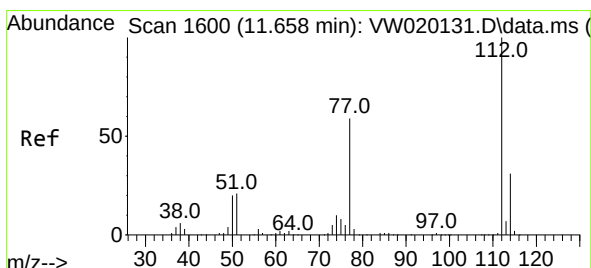
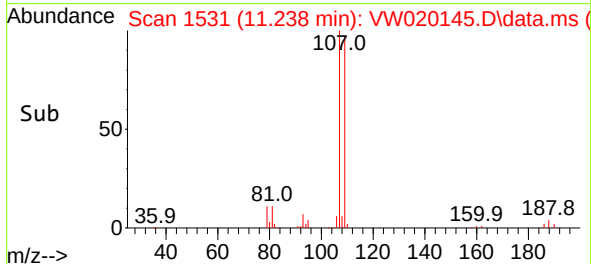
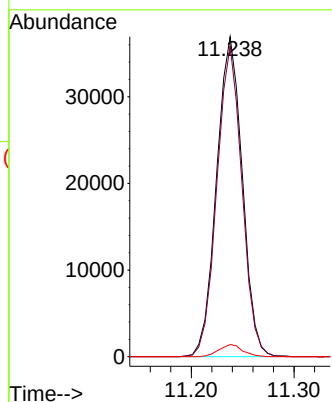
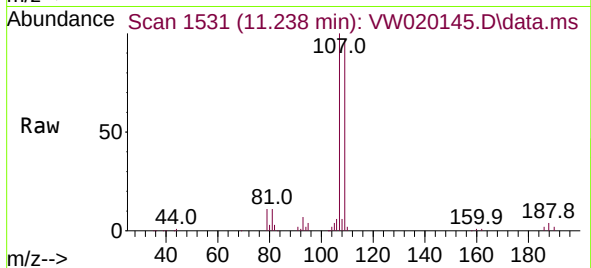




#50  
1,2-Dibromoethane  
Concen: 21.837 ug/L  
RT: 11.238 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

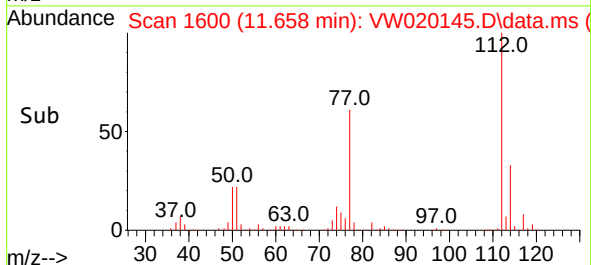
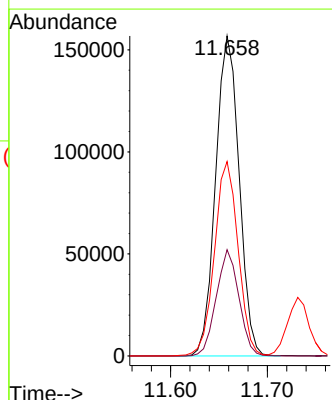
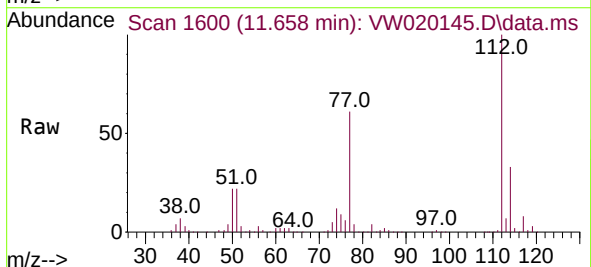
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW411

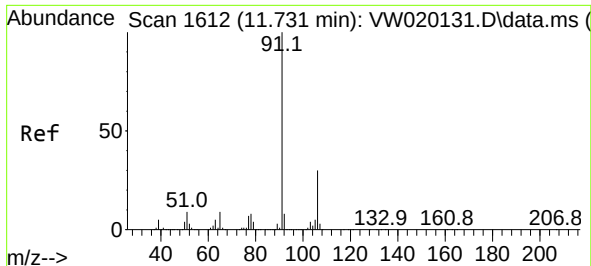
Tgt Ion:107 Resp: 64113  
Ion Ratio Lower Upper  
107 100  
109 97.2 64.1 119.1  
188 3.8 3.0 4.4



#51  
Chlorobenzene  
Concen: 22.317 ug/L  
RT: 11.658 min Scan# 1600  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

Tgt Ion:112 Resp: 264891  
Ion Ratio Lower Upper  
112 100  
114 33.2 21.9 40.7  
77 60.7 48.0 72.0

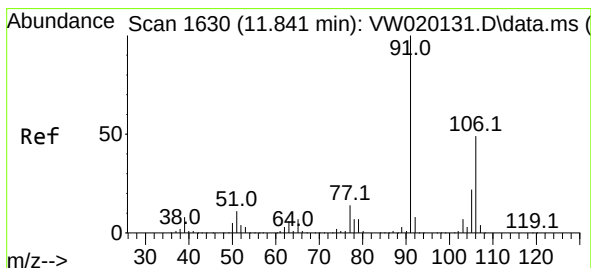
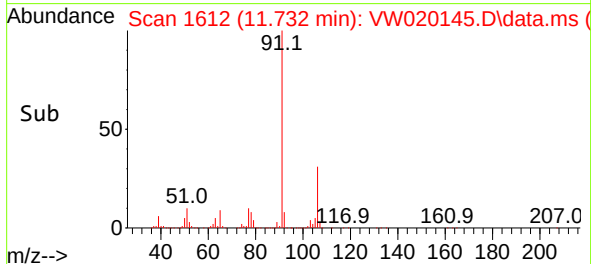
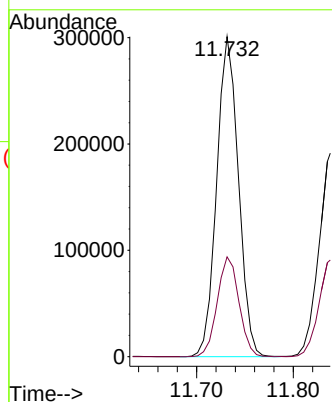
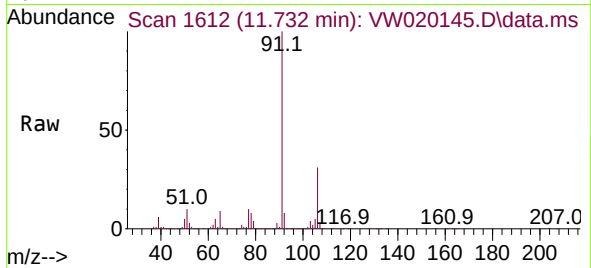




#52  
Ethylbenzene  
Concen: 23.336 ug/L  
RT: 11.732 min Scan# 1612  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

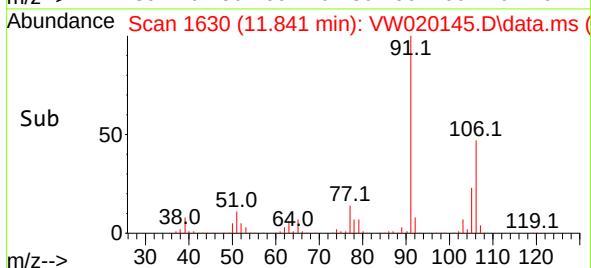
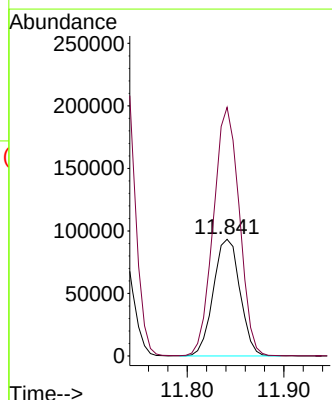
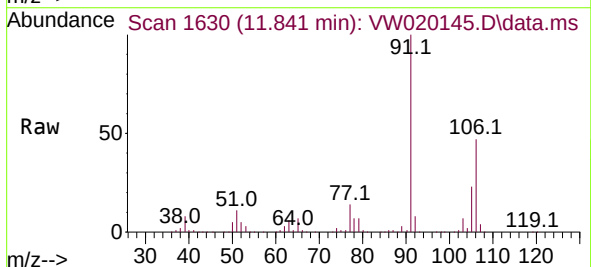
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MSVOA\_W  
ClientSampled :  
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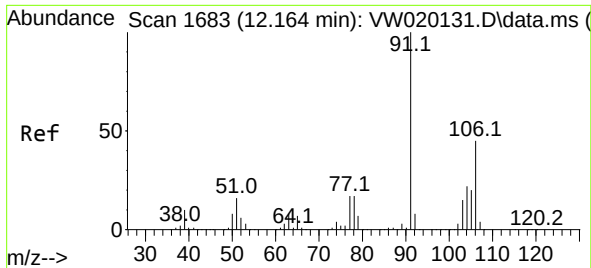
Tgt Ion: 91 Resp: 469071  
Ion Ratio Lower Upper  
91 100  
106 31.2 22.0 40.8



#53  
m,p-Xylene  
Concen: 23.285 ug/L  
RT: 11.841 min Scan# 1630  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

Tgt Ion:106 Resp: 178435  
Ion Ratio Lower Upper  
106 100  
91 213.2 146.4 271.8

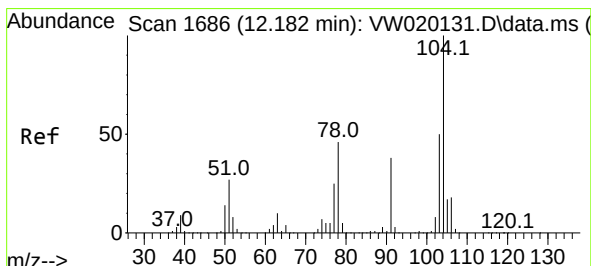
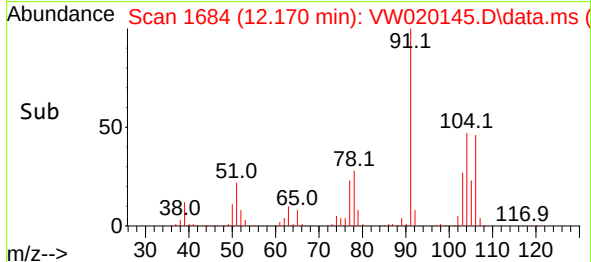
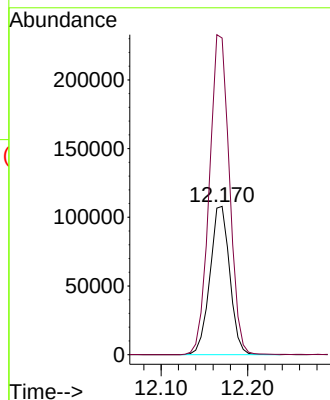
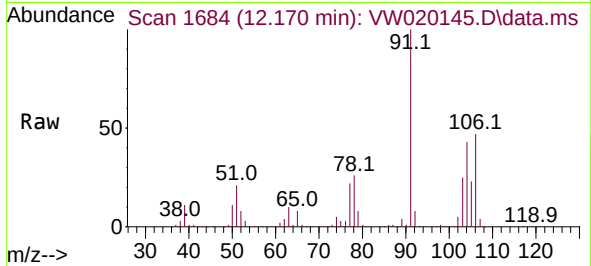




#54  
o-Xylene  
Concen: 24.151 ug/L  
RT: 12.170 min Scan# 1684  
Delta R.T. 0.006 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

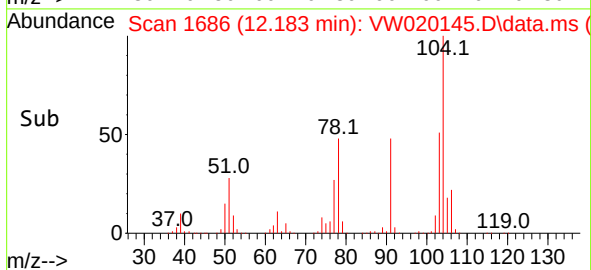
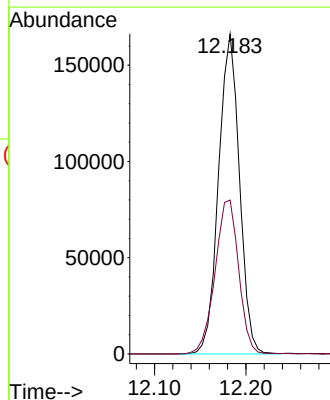
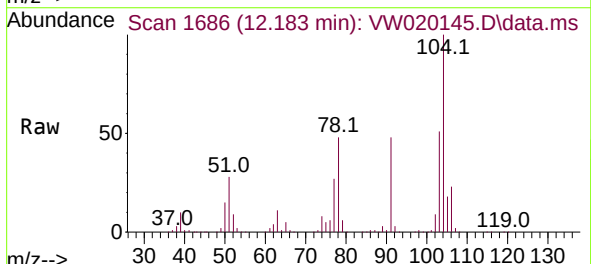
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

Tgt Ion:106 Resp: 171204  
Ion Ratio Lower Upper  
106 100  
91 213.5 154.3 286.7

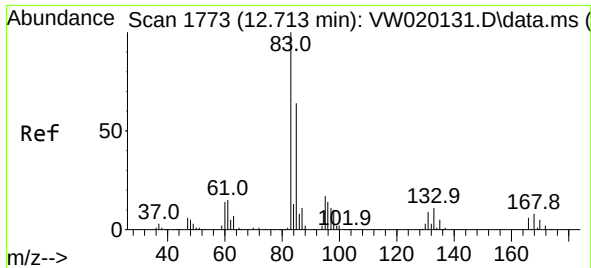


#55  
Styrene  
Concen: 21.442 ug/L  
RT: 12.183 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

Tgt Ion:104 Resp: 264121  
Ion Ratio Lower Upper  
104 100  
78 48.1 32.7 60.7



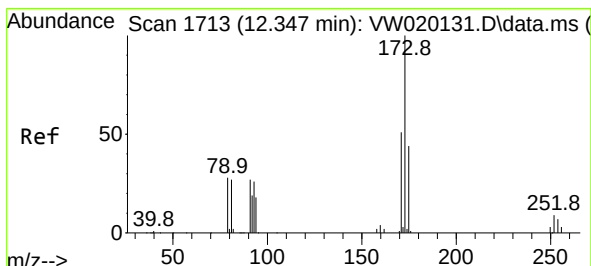
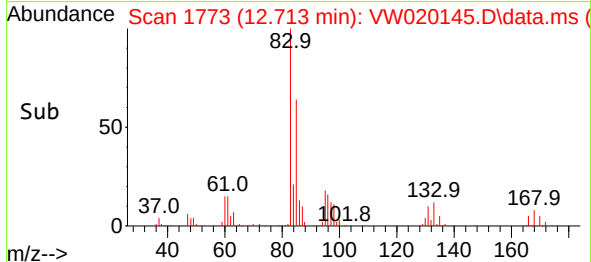
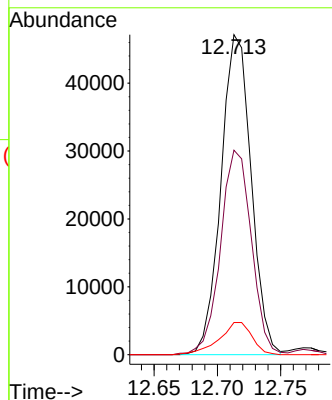
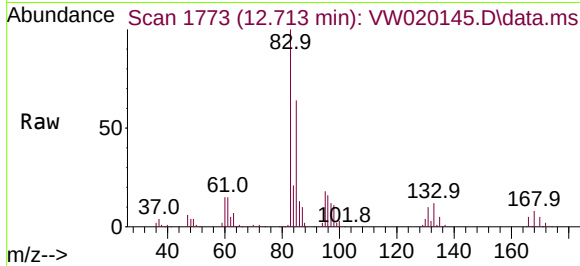




#57  
1,1,2,2-Tetrachloroethane  
Concen: 21.008 ug/L  
RT: 12.713 min Scan# 1773  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

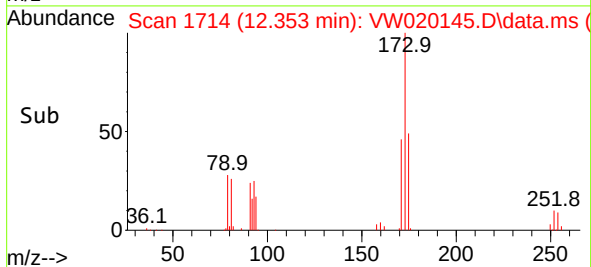
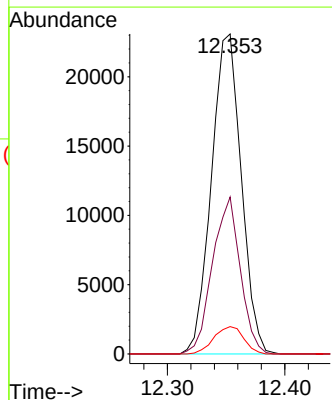
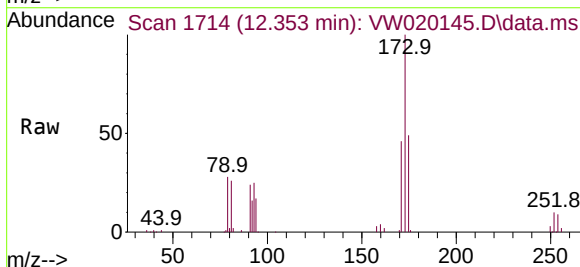
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

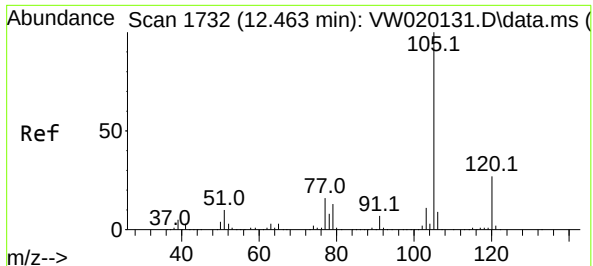
Tgt Ion: 83 Resp: 78282  
Ion Ratio Lower Upper  
83 100  
85 63.9 43.3 80.5  
131 10.1 7.9 11.9



#59  
Bromoform  
Concen: 29.806 ug/L  
RT: 12.353 min Scan# 1714  
Delta R.T. 0.006 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

Tgt Ion: 173 Resp: 40792  
Ion Ratio Lower Upper  
173 100  
175 45.6 39.2 58.8  
254 8.6 6.6 10.0

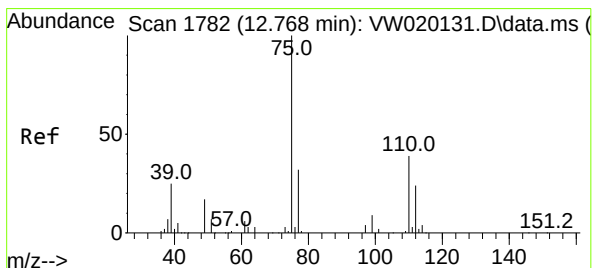
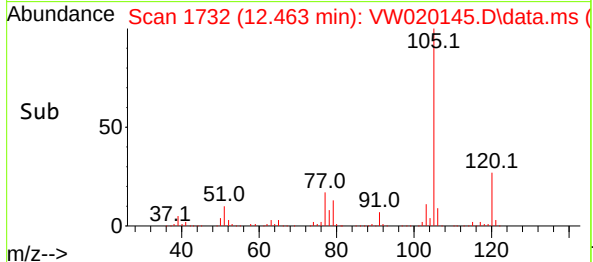
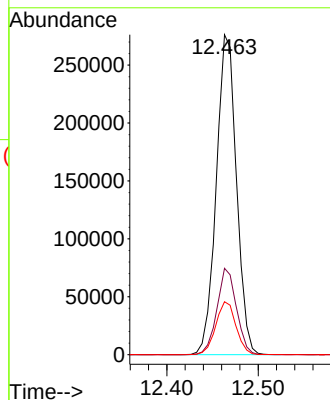
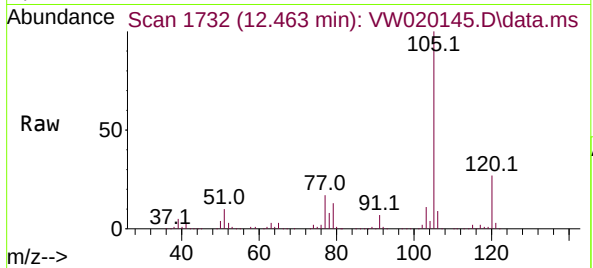




#60  
Isopropylbenzene  
Concen: 31.514 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

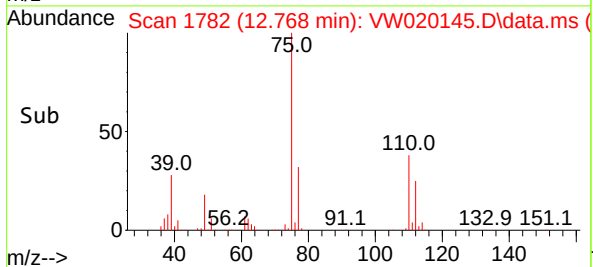
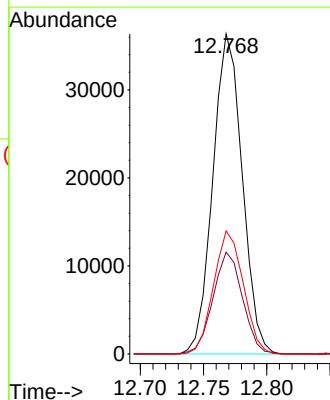
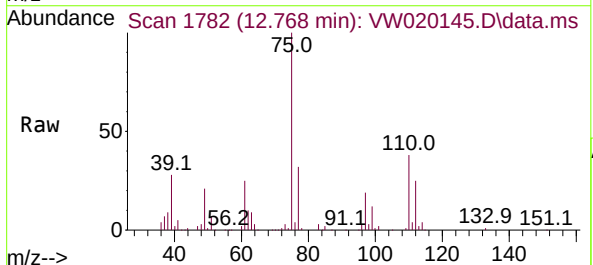
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

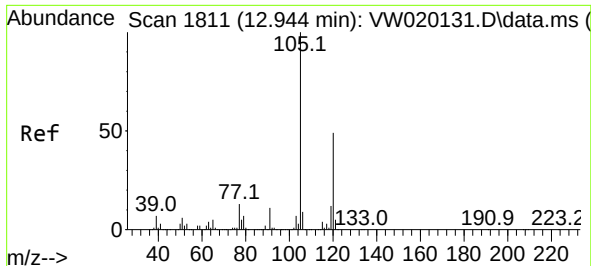
Tgt Ion:105 Resp: 424145  
Ion Ratio Lower Upper  
105 100  
120 26.1 20.9 31.3  
77 16.7 13.3 19.9



#61  
1,2,3-Trichloropropane  
Concen: 30.984 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

Tgt Ion: 75 Resp: 58727  
Ion Ratio Lower Upper  
75 100  
77 32.0 26.3 39.5  
110 38.9 30.2 45.2

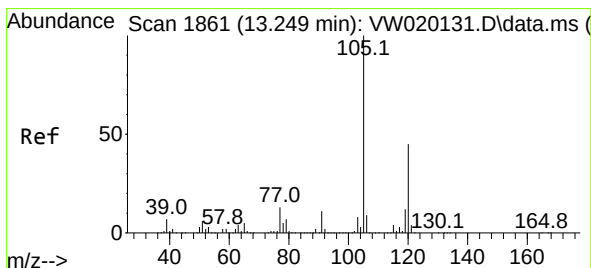
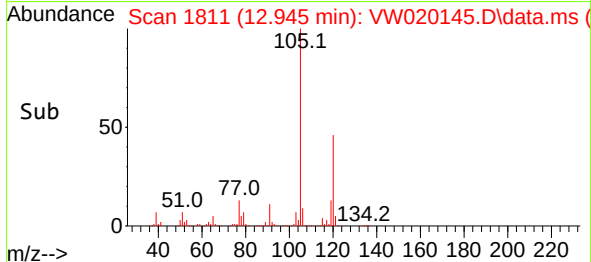
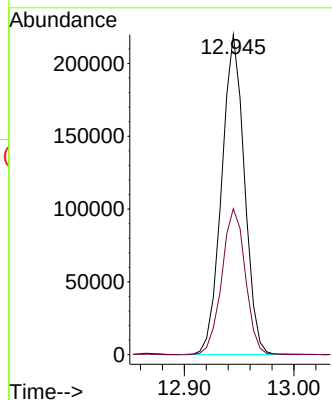
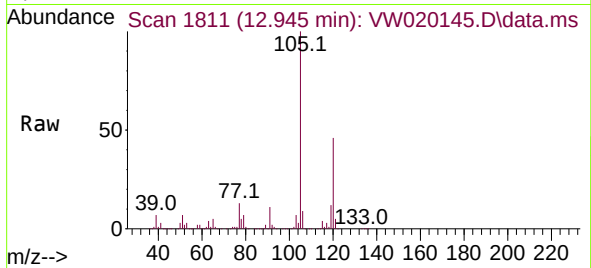




#62  
1,3,5-Trimethylbenzene  
Concen: 28.670 ug/L  
RT: 12.945 min Scan# 1811  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

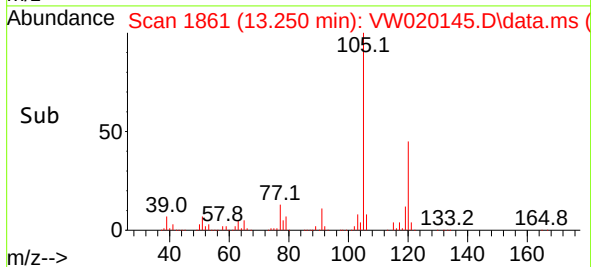
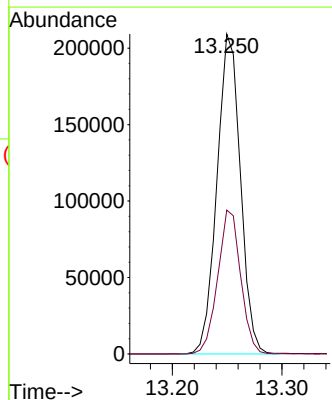
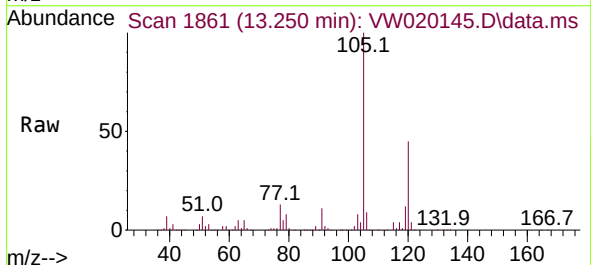
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

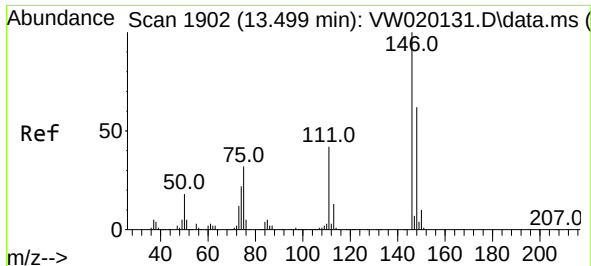
Tgt Ion:105 Resp: 316671  
Ion Ratio Lower Upper  
105 100  
120 47.1 38.0 57.0



#63  
1,2,4-Trimethylbenzene  
Concen: 28.714 ug/L  
RT: 13.250 min Scan# 1861  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

Tgt Ion:105 Resp: 311557  
Ion Ratio Lower Upper  
105 100  
120 44.0 36.2 54.4

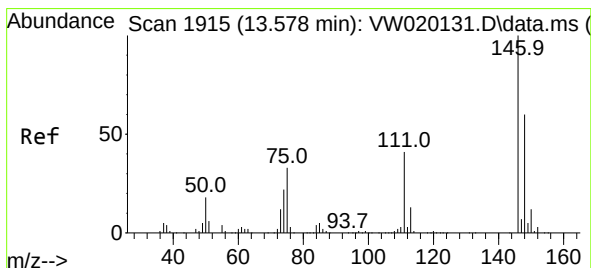
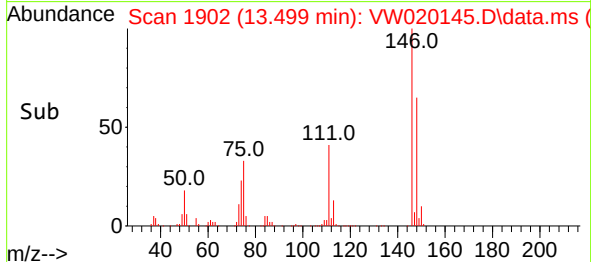
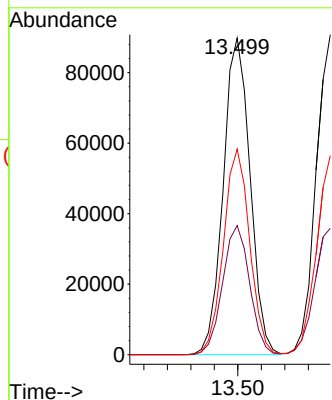
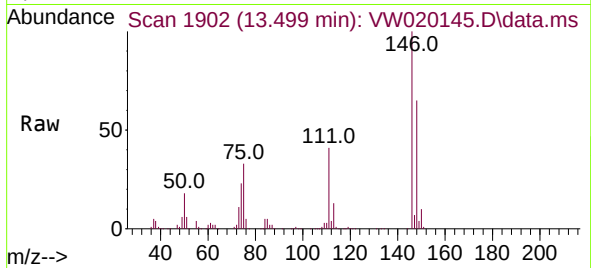




#64  
1,3-Dichlorobenzene  
Concen: 23.095 ug/L  
RT: 13.499 min Scan# 1902  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

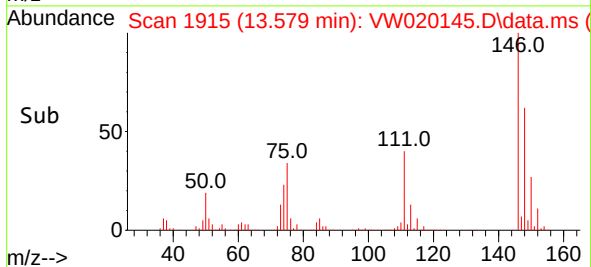
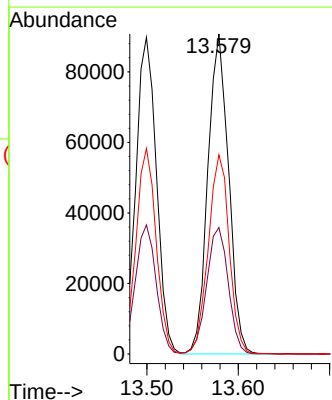
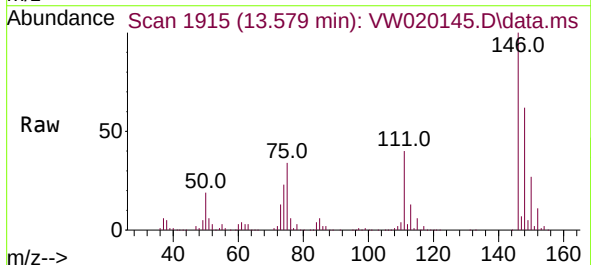
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

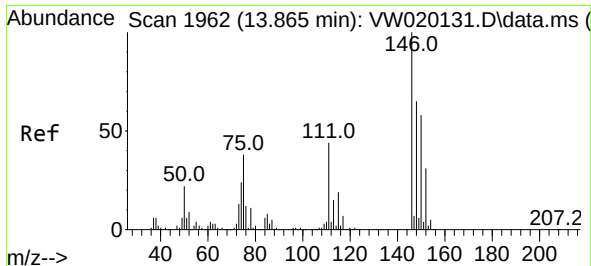
Tgt Ion:146 Resp: 142547  
Ion Ratio Lower Upper  
146 100  
111 40.8 28.3 52.5  
148 64.9 44.4 82.4



#65  
1,4-Dichlorobenzene  
Concen: 22.384 ug/L  
RT: 13.579 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

Tgt Ion:146 Resp: 142778  
Ion Ratio Lower Upper  
146 100  
111 39.5 29.6 55.0  
148 62.2 45.3 84.1

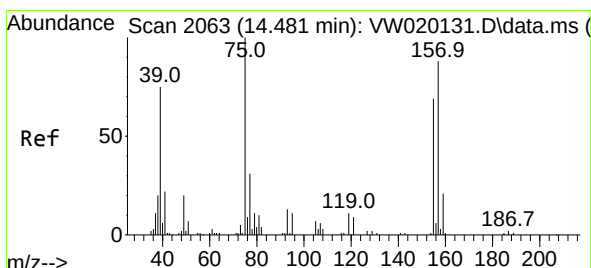
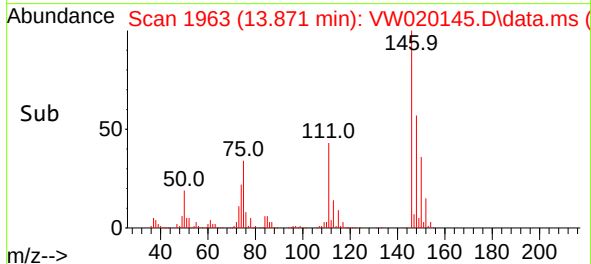
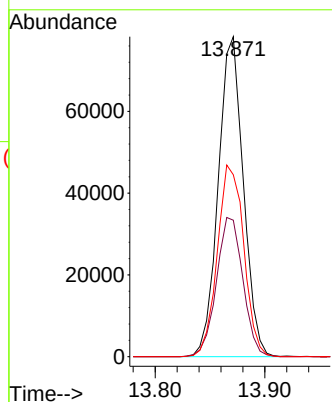
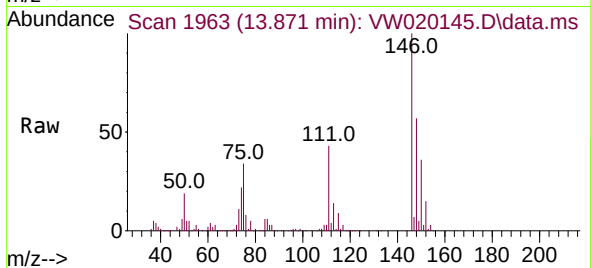




#67  
1,2-Dichlorobenzene  
Concen: 22.147 ug/L  
RT: 13.871 min Scan# 1963  
Delta R.T. 0.006 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

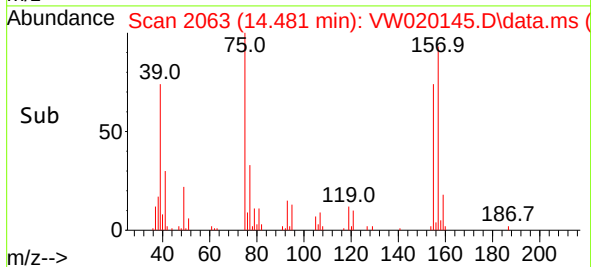
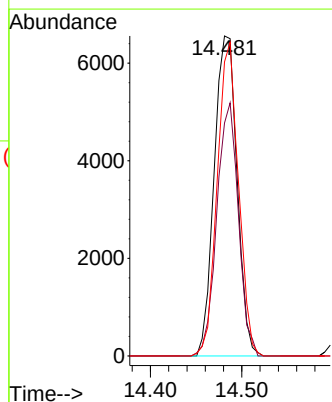
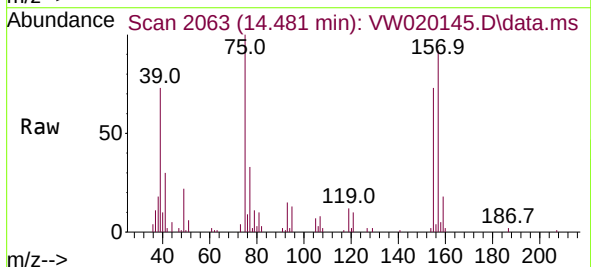
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

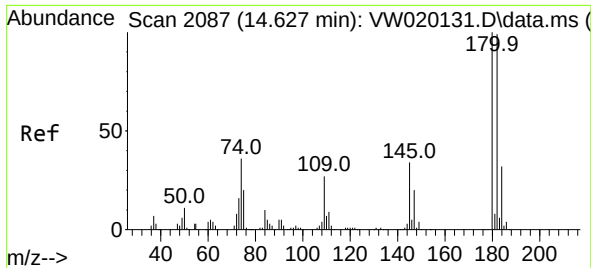
Tgt Ion:146 Resp: 124497  
Ion Ratio Lower Upper  
146 100  
111 42.7 34.7 52.1  
148 56.9 50.2 75.4



#68  
1,2-Dibromo-3-chloropropane  
Concen: 26.770 ug/L  
RT: 14.481 min Scan# 2063  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

Tgt Ion: 75 Resp: 11390  
Ion Ratio Lower Upper  
75 100  
155 72.8 58.5 87.7  
157 91.9 77.4 116.0

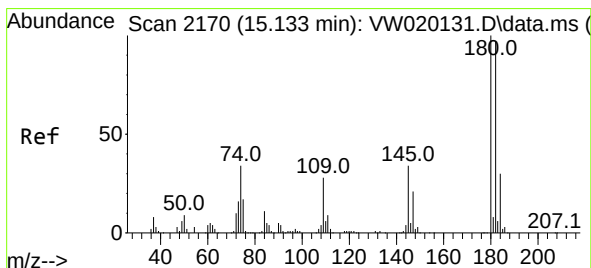
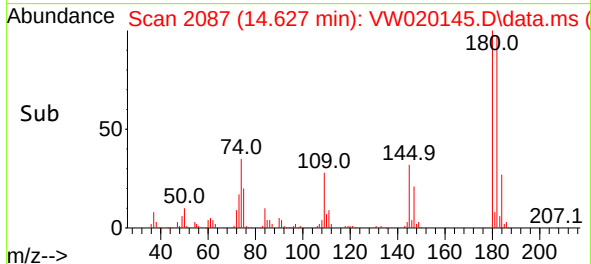
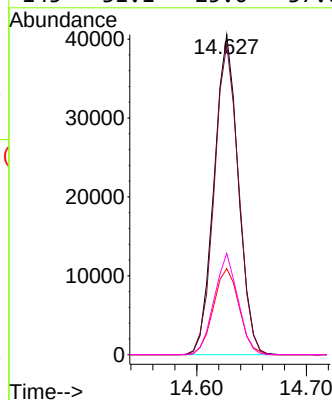
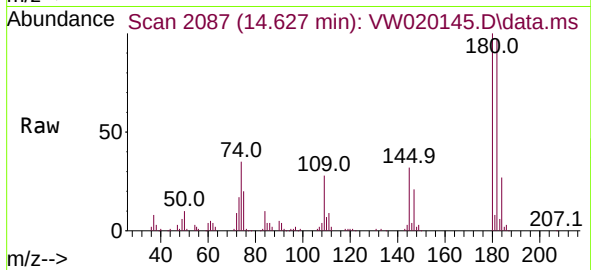




#69  
1,3,5-Trichlorobenzene  
Concen: 14.532 ug/L  
RT: 14.627 min Scan# 2087  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

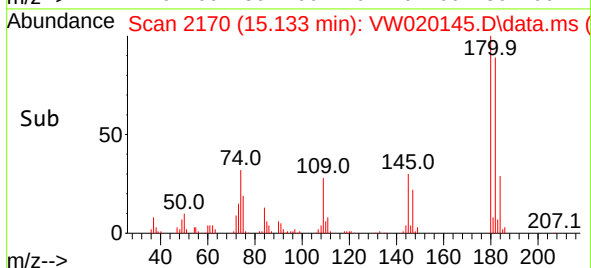
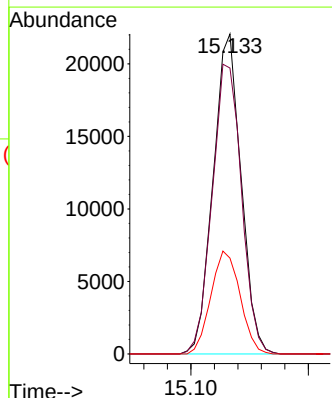
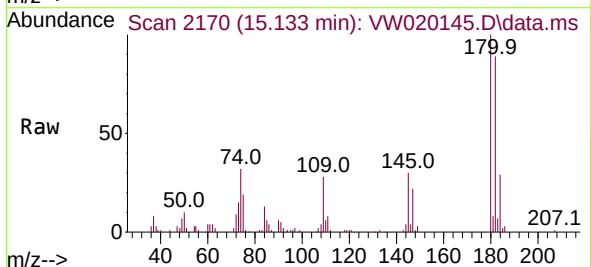
Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

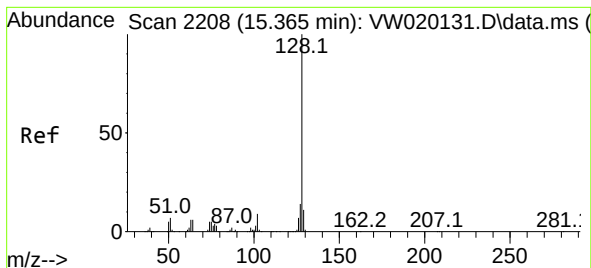
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 62039 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 97.5  | 75.2  | 112.8 |
| 184       | 28.6  | 24.3  | 36.5  |
| 145       | 31.1  | 25.0  | 37.6  |



#70  
1,2,4-trichlorobenzene  
Concen: 11.060 ug/L  
RT: 15.133 min Scan# 2170  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 36439 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.0  | 70.6  | 106.0 |
| 145       | 33.6  | 25.7  | 38.5  |

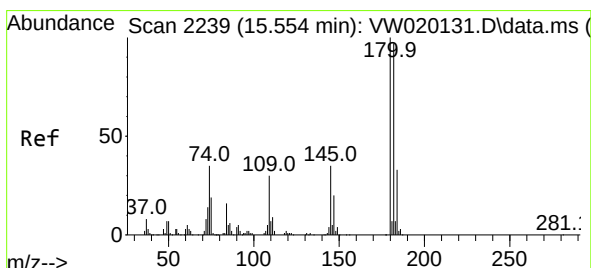
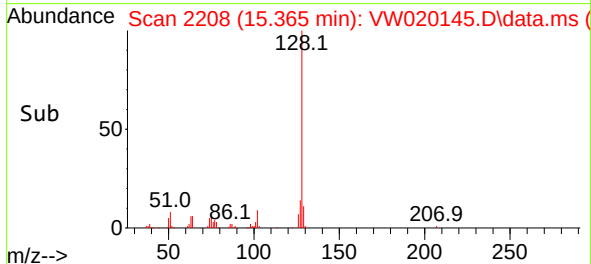
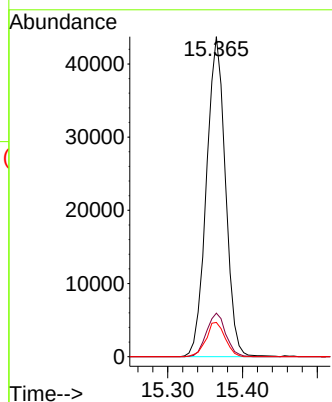
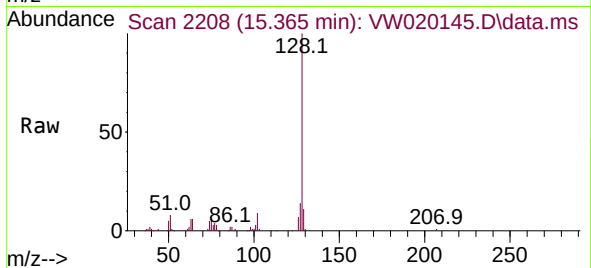




#71  
Naphthalene  
Concen: 13.245 ug/L  
RT: 15.365 min Scan# 2208  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

Instrument :  
MSVOA\_W  
ClientSampled :  
EW411

Tgt Ion:128 Resp: 76963  
Ion Ratio Lower Upper  
128 100  
127 13.8 10.3 15.5  
129 10.8 8.6 12.8



#72  
1,2,3-Trichlorobenzene  
Concen: 11.291 ug/L  
RT: 15.554 min Scan# 2239  
Delta R.T. 0.000 min  
Lab File: VW020145.D  
Acq: 23 Sep 2021 14:49

Tgt Ion:180 Resp: 33497  
Ion Ratio Lower Upper  
180 100  
182 87.7 75.7 113.5  
145 32.4 28.2 42.4

