

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082421\  
 Data File : VW019880.D  
 Acq On : 24 Aug 2021 17:17  
 Operator : SY/VA  
 Sample : M3526-06  
 Misc : 2.87g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW7B8

Quant Time: Aug 25 01:02:15 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081821SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Aug 25 00:57:31 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.848  | 114   | 440753   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 415614   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 185889   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.361  | 65    | 137253   | 20.099   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 80.400%  |
| 7) Chloroethane-d5            | 2.897  | 69    | 121750   | 20.312   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 81.240%  |
| 11) 1,1-Dichloroethene-d2     | 4.025  | 63    | 154876   | 13.070   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 52.280%  |
| 21) 2-Butanone-d5             | 7.086  | 46    | 49645    | 35.790   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 71.580%  |
| 24) Chloroform-d              | 7.653  | 84    | 218531   | 18.029   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 72.120%  |
| 26) 1,2-Dichloroethane-d4     | 8.311  | 65    | 111782   | 17.112   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 68.440%# |
| 32) Benzene-d6                | 8.281  | 84    | 472396   | 19.935   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 79.720%  |
| 36) 1,2-Dichloropropane-d6    | 9.287  | 67    | 159880   | 22.279   | ug/L   | 0.01     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 89.120%  |
| 41) Toluene-d8                | 10.329 | 98    | 527230   | 24.278   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 97.120%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 54242    | 18.296   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 73.200%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 38554    | 38.565   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 77.140%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.694 | 84    | 133666   | 22.885   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 91.560%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 129766   | 20.351   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 81.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 13) Acetone                   | 4.135  | 43    | 19668    | 16.610   | ug/L   | 97       |
| 16) Methylene chloride        | 4.921  | 84    | 30619    | 4.048    | ug/L   | 94       |
| 27) 1,2-Dichloroethane        | 8.427  | 62    | 2991     | 0.399    | ug/L # | 1        |
| 35) Methylcyclohexane         | 9.305  | 83    | 1568522  | 137.903  | ug/L # | 30       |
| 37) 1,2-Dichloropropane       | 9.390  | 63    | 3840     | 0.608    | ug/L # | 85       |
| 38) Bromodichloromethane      | 9.616  | 83    | 320808   | 39.199   | ug/L # | 47       |
| 40) 4-Methyl-2-pentanone      | 10.244 | 43    | 102902   | 30.632   | ug/L # | 51       |
| 42) Toluene                   | 10.366 | 91    | 34114    | 1.263    | ug/L # | 41       |
| 45) 1,1,2-Trichloroethane     | 10.768 | 97    | 2104896  | 460.227  | ug/L # | 21       |
| 48) 2-Hexanone                | 10.933 | 43    | 153725   | 65.738   | ug/L # | 1        |
| 49) Dibromochloromethane      | 11.042 | 129   | 5490     | 1.049    | ug/L   | 80       |
| 50) 1,2-Dibromoethane         | 11.244 | 107   | 4518     | 1.052    | ug/L # | 1        |
| 51) Chlorobenzene             | 11.670 | 112   | 8966     | 0.522    | ug/L # | 1        |
| 52) Ethylbenzene              | 11.725 | 91    | 12673    | 0.436    | ug/L # | 52       |
| 53) m,p-Xylene                | 11.835 | 106   | 4248     | 0.380    | ug/L # | 1        |
| 54) o-Xylene                  | 12.164 | 106   | 2801     | 0.265    | ug/L # | 1        |
| 57) 1,1,2,2-Tetrachloroethane | 12.694 | 83    | 194842   | 34.739   | ug/L # | 58       |
| 61) 1,2,3-Trichloropropane    | 12.786 | 75    | 1759     | 0.483    | ug/L # | 1        |
| 63) 1,2,4-Trimethylbenzene    | 13.255 | 105   | 8212     | 0.403    | ug/L   | 87       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082421\  
Data File : VW019880.D  
Acq On : 24 Aug 2021 17:17  
Operator : SY/VA  
Sample : M3526-06  
Misc : 2.87g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW7B8

Quant Time: Aug 25 01:02:15 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081821SMA.M  
Quant Title : SFAM01.0  
QLast Update : Wed Aug 25 00:57:31 2021  
Response via : Initial Calibration

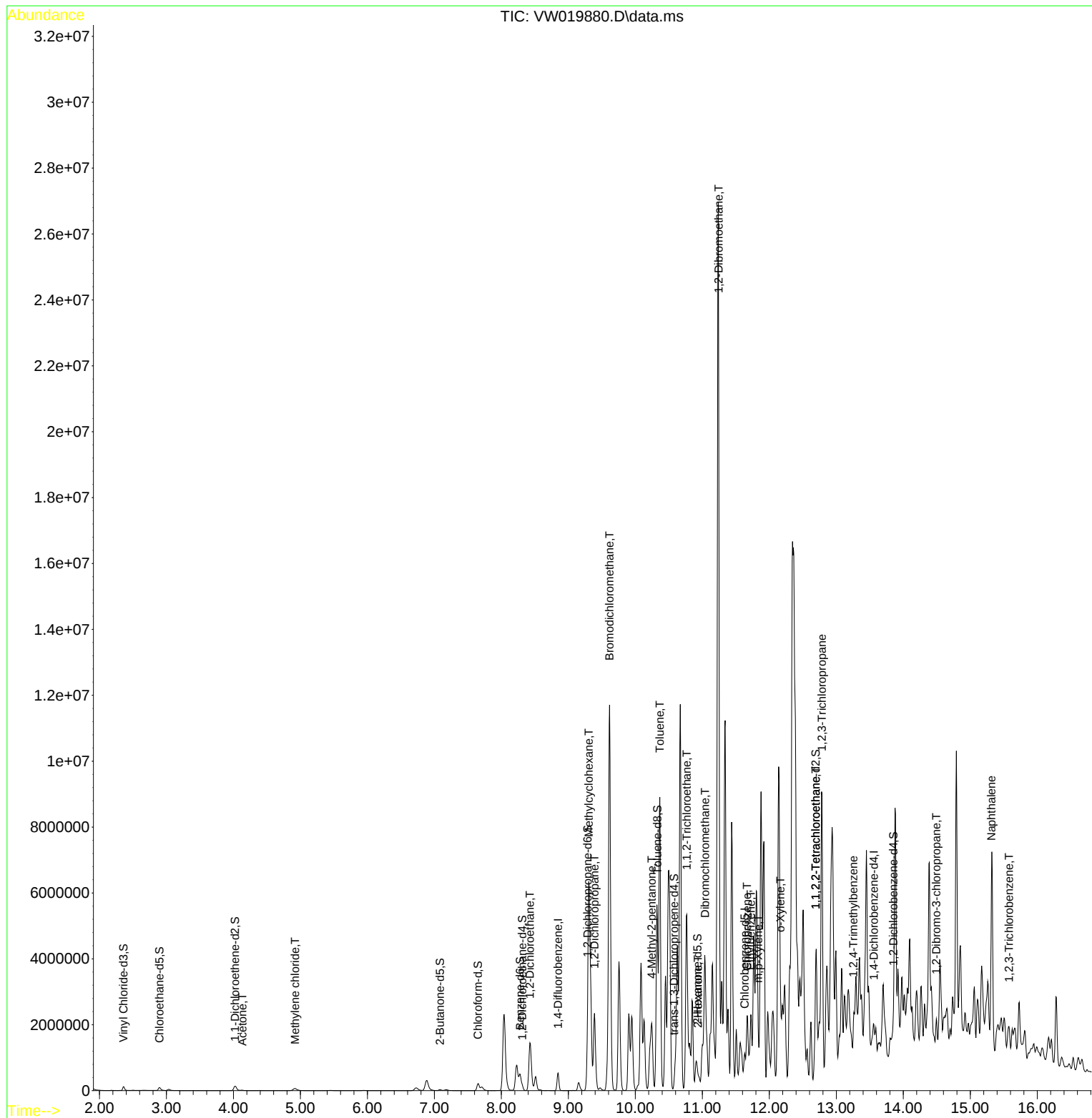
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 68) 1,2-Dibromo-3-chloropr... | 14.493 | 75   | 3118     | 3.924 | ug/L # | 20       |
| 71) Naphthalene               | 15.316 | 128  | 41293    | 3.482 | ug/L # | 1        |
| 72) 1,2,3-Trichlorobenzene    | 15.578 | 180  | 6842     | 1.243 | ug/L # | 1        |

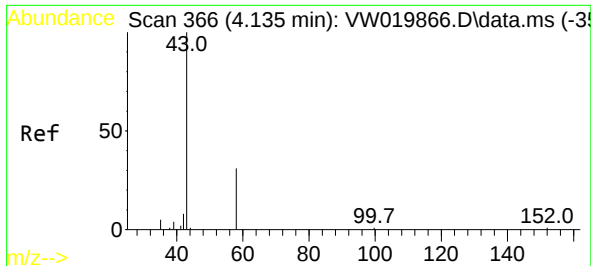
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082421\  
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Quant Title : SFAM01.0  
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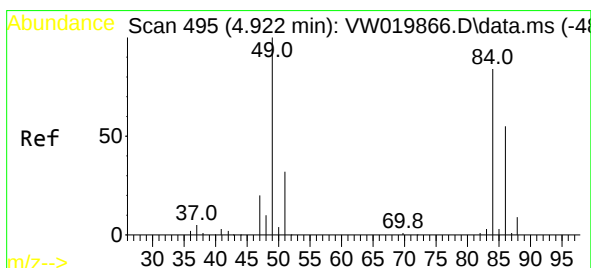
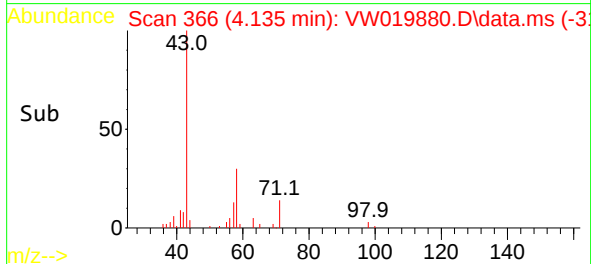
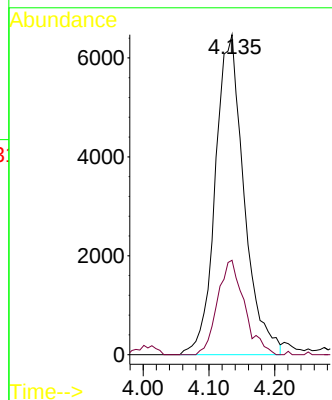
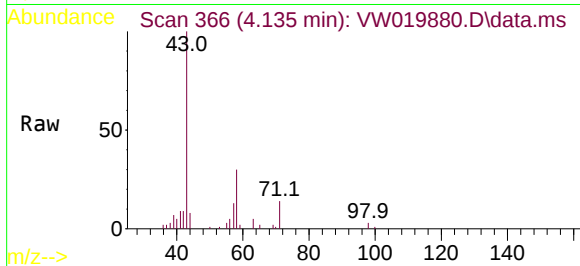




#13  
Acetone  
Concen: 16.610 ug/L  
RT: 4.135 min Scan# 366  
Delta R.T. -0.000 min  
Lab File: VW019880.D  
Acq: 24 Aug 2021 17:17

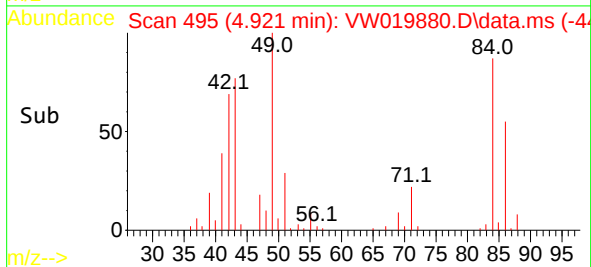
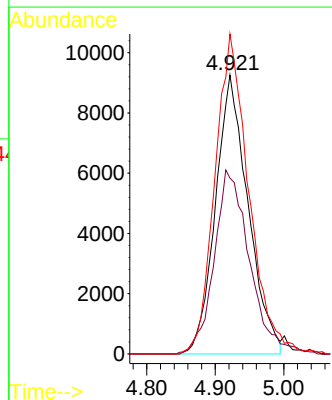
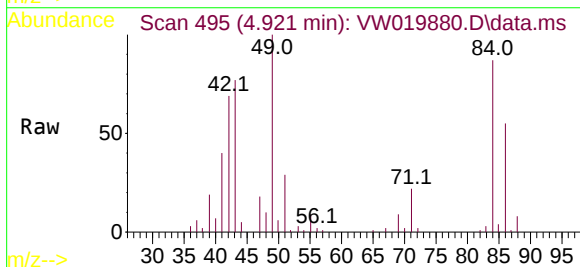
Instrument :  
MSVOA\_W  
ClientSampled :  
EW7B8

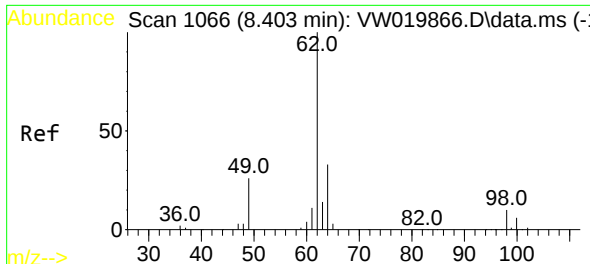
Tgt Ion: 43 Resp: 19668  
Ion Ratio Lower Upper  
43 100  
58 25.6 0.0 53.8



#16  
Methylene chloride  
Concen: 4.048 ug/L  
RT: 4.921 min Scan# 495  
Delta R.T. -0.000 min  
Lab File: VW019880.D  
Acq: 24 Aug 2021 17:17

Tgt Ion: 84 Resp: 30619  
Ion Ratio Lower Upper  
84 100  
86 63.0 45.3 84.1  
49 114.8 86.6 160.8

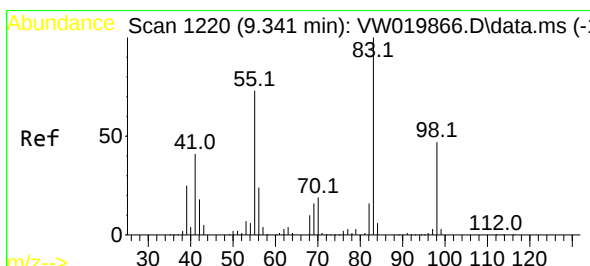
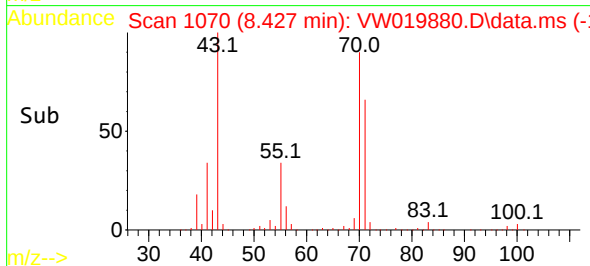
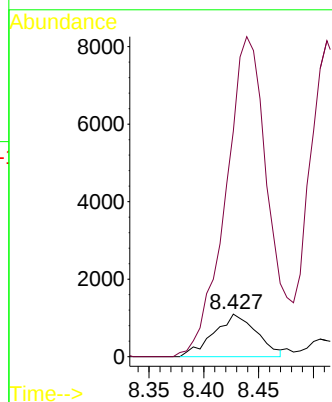
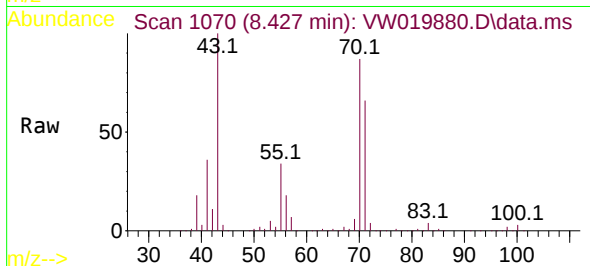




#27  
1,2-Dichloroethane  
Concen: 0.399 ug/L  
RT: 8.427 min Scan# 1070  
Delta R.T. 0.024 min  
Lab File: VW019880.D  
Acq: 24 Aug 2021 17:17

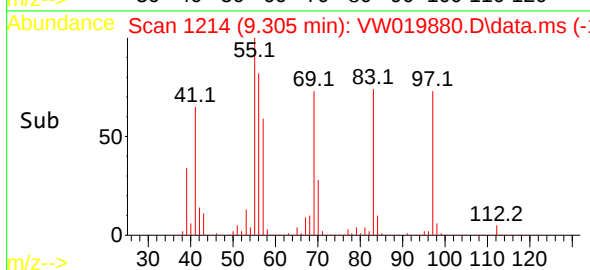
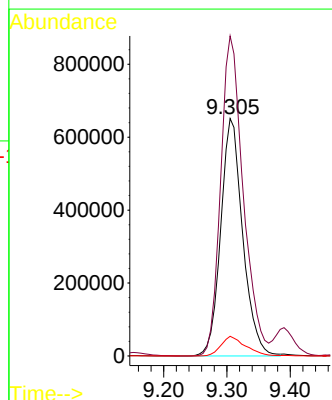
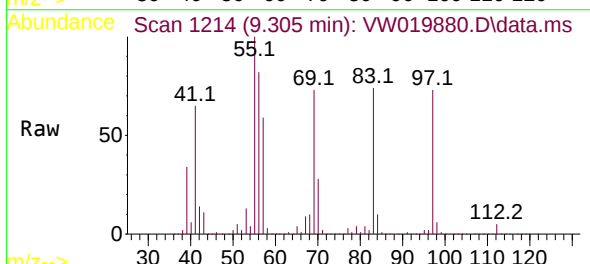
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW7B8

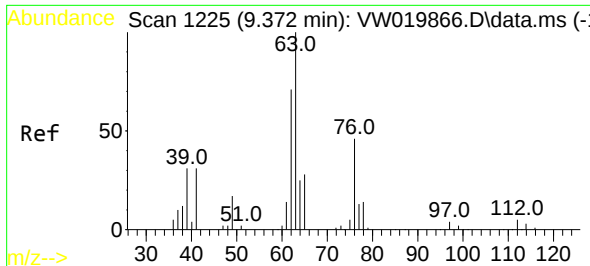
Tgt Ion: 62 Resp: 2991  
Ion Ratio Lower Upper  
62 100  
98 530.4 6.9 10.3#



#35  
Methylcyclohexane  
Concen: 137.903 ug/L  
RT: 9.305 min Scan# 1214  
Delta R.T. -0.037 min  
Lab File: VW019880.D  
Acq: 24 Aug 2021 17:17

Tgt Ion: 83 Resp: 1568522  
Ion Ratio Lower Upper  
83 100  
55 138.9 58.9 88.3#  
98 9.4 40.1 60.1#

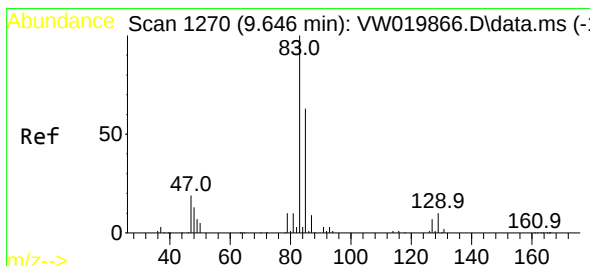
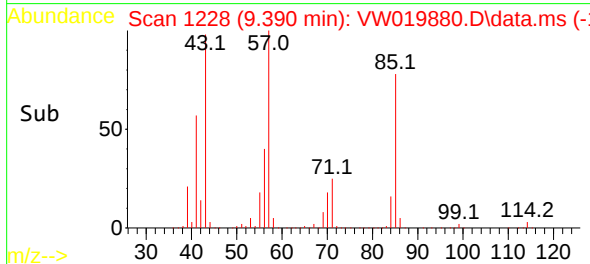
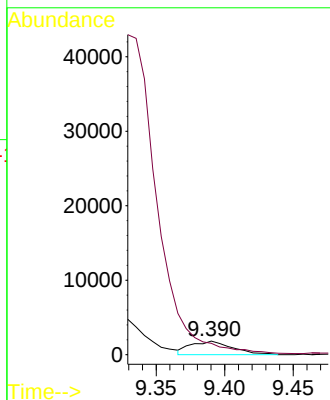
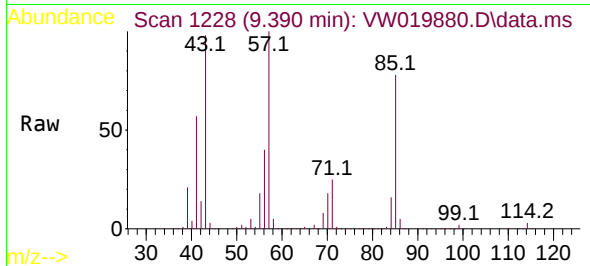




#37  
1,2-Dichloropropane  
Concen: 0.608 ug/L  
RT: 9.390 min Scan# 1228  
Delta R.T. 0.018 min  
Lab File: VW019880.D  
Acq: 24 Aug 2021 17:17

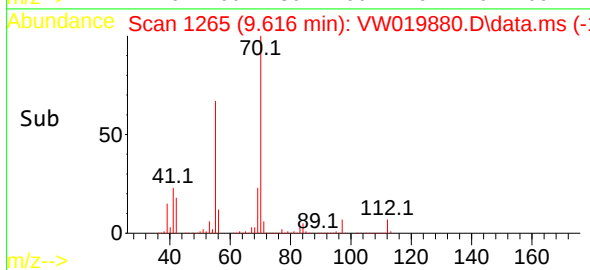
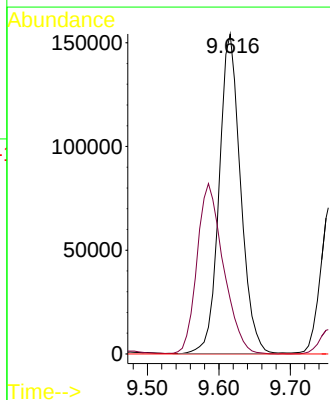
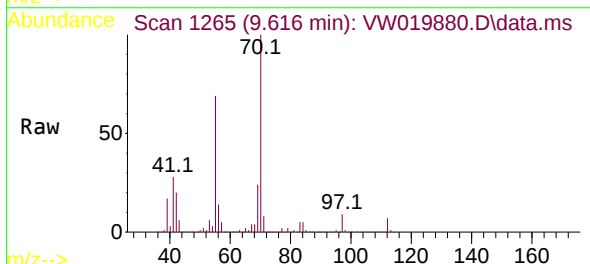
Instrument :  
MSVOA\_W  
ClientSampled :  
EW7B8

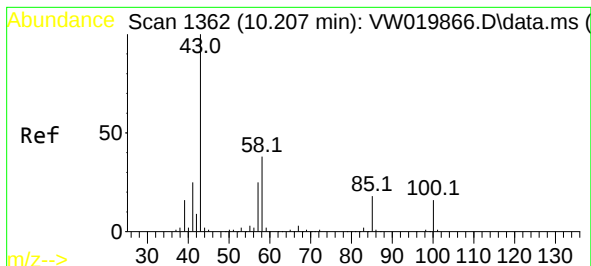
Tgt Ion: 63 Resp: 3840  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.9 5.9#



#38  
Bromodichloromethane  
Concen: 39.199 ug/L  
RT: 9.616 min Scan# 1265  
Delta R.T. -0.031 min  
Lab File: VW019880.D  
Acq: 24 Aug 2021 17:17

Tgt Ion: 83 Resp: 320808  
Ion Ratio Lower Upper  
83 100  
85 17.1 42.3 78.5#  
127 0.0 6.6 9.8#

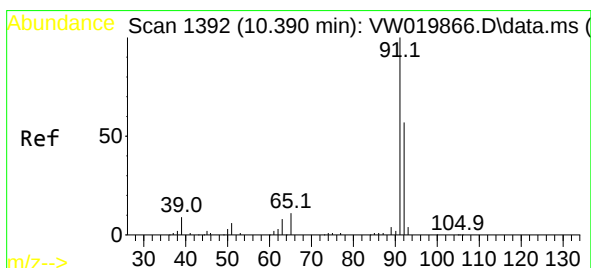
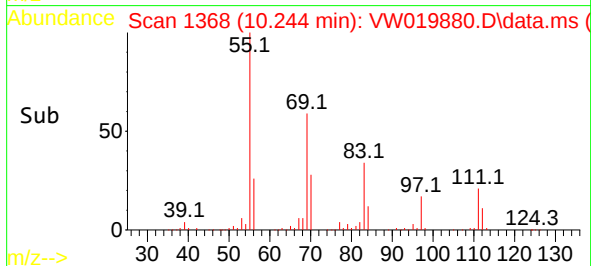
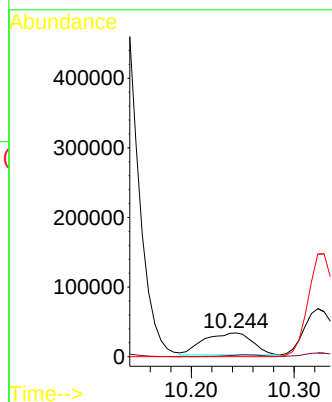
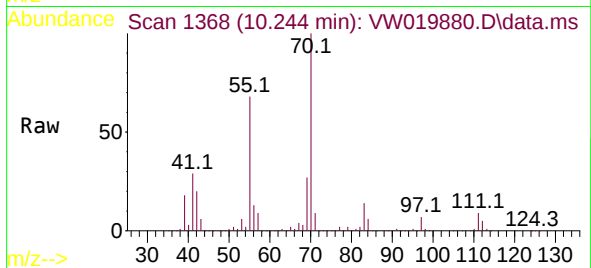




#40  
4-Methyl-2-pentanone  
Concen: 30.632 ug/L  
RT: 10.244 min Scan# 1368  
Delta R.T. 0.037 min  
Lab File: VW019880.D  
Acq: 24 Aug 2021 17:17

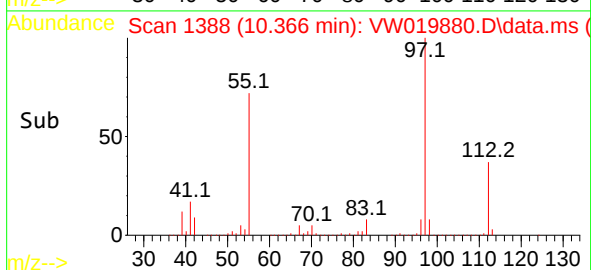
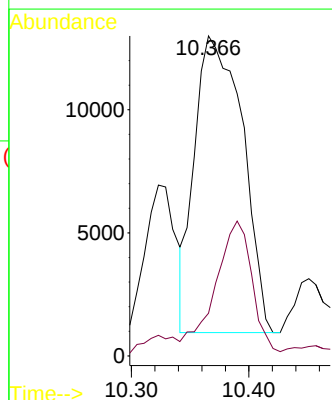
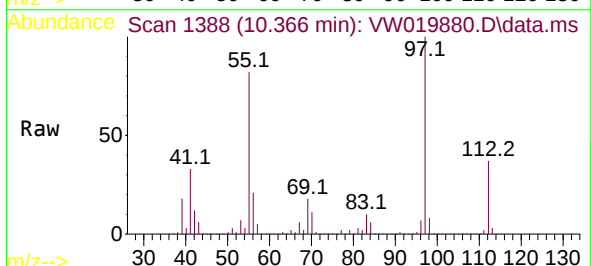
Instrument :  
MSVOA\_W  
ClientSampled :  
EW7B8

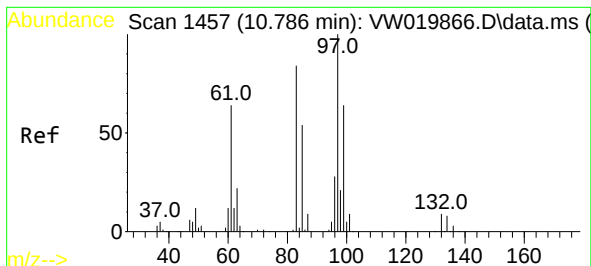
Tgt Ion: 43 Resp: 102902  
Ion Ratio Lower Upper  
43 100  
58 6.1 31.0 46.4#  
100 0.0 13.0 19.6#



#42  
Toluene  
Concen: 1.263 ug/L  
RT: 10.366 min Scan# 1388  
Delta R.T. -0.024 min  
Lab File: VW019880.D  
Acq: 24 Aug 2021 17:17

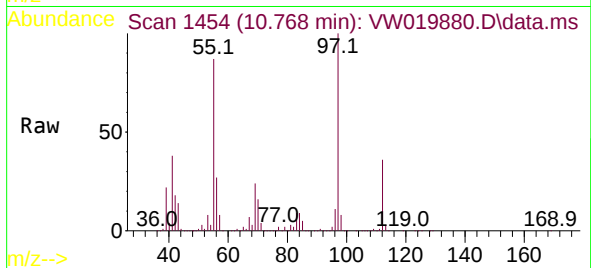
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Ion Ratio Lower Upper  
91 100  
92 13.4 39.5 73.3#



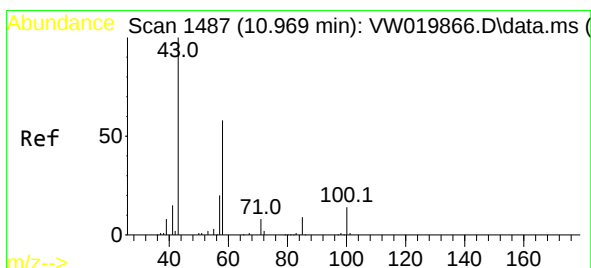
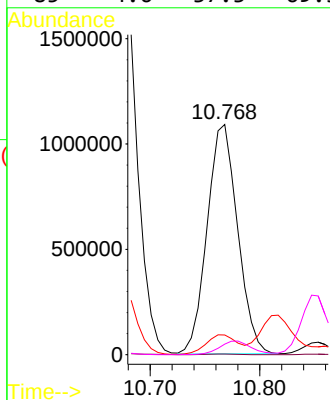
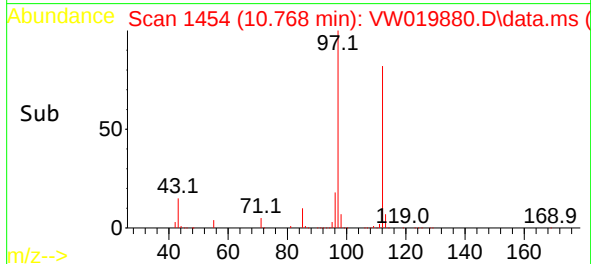


#45  
1,1,2-Trichloroethane  
Concen: 460.227 ug/L  
RT: 10.768 min Scan# 1454  
Delta R.T. -0.018 min  
Lab File: VW019880.D  
Acq: 24 Aug 2021 17:17

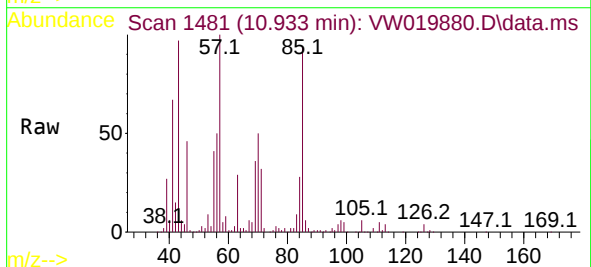
Instrument :  
MSVOA\_W  
ClientSampled :  
EW7B8



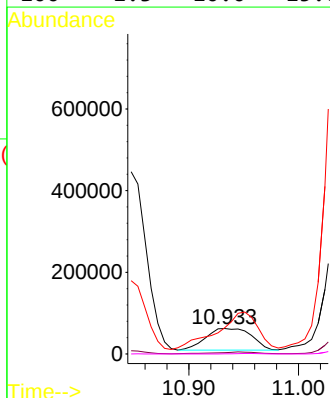
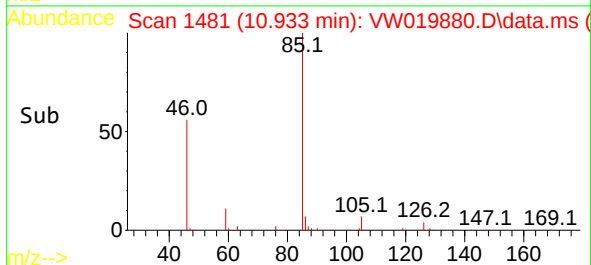
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Ion Ratio Lower Upper  
97 100  
99 0.3 45.1 83.7#  
83 8.5 58.1 107.9#  
85 4.6 37.3 69.3#

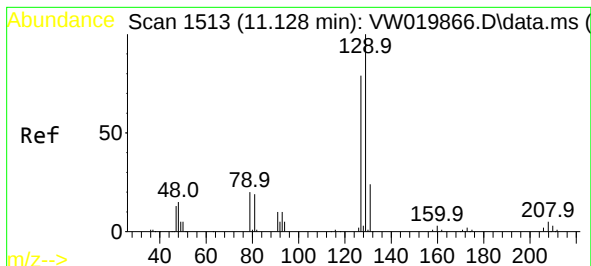


#48  
2-Hexanone  
Concen: 65.738 ug/L  
RT: 10.933 min Scan# 1481  
Delta R.T. -0.037 min  
Lab File: VW019880.D  
Acq: 24 Aug 2021 17:17



Tgt Ion: 43 Resp: 153725  
Ion Ratio Lower Upper  
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57 153.2 15.8 23.8#  
100 1.3 10.0 15.0#

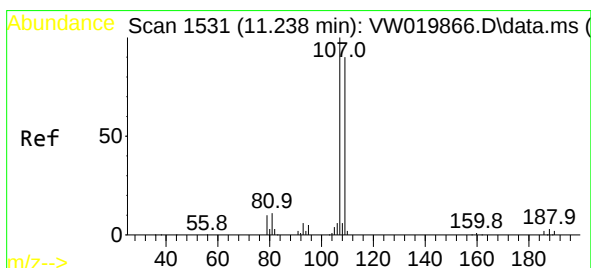
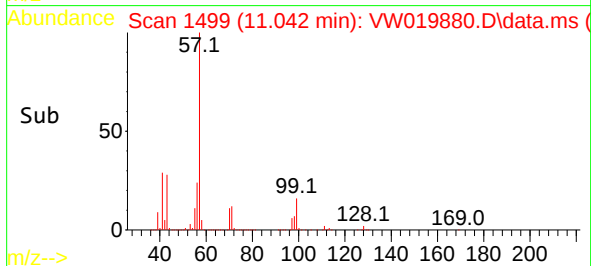
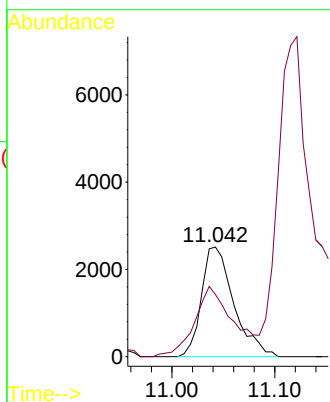
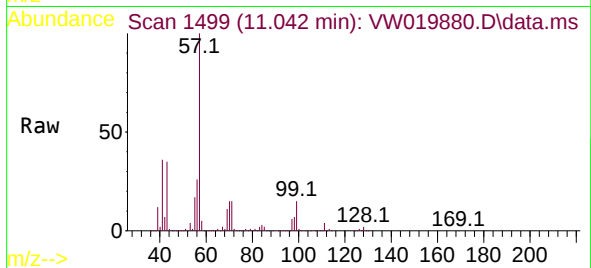




#49  
Dibromochloromethane  
Concen: 1.049 ug/L  
RT: 11.042 min Scan# 1499  
Delta R.T. -0.085 min  
Lab File: VW019880.D  
Acq: 24 Aug 2021 17:17

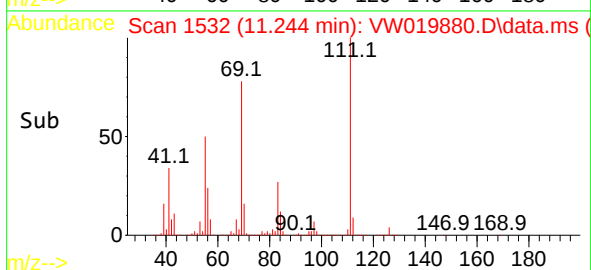
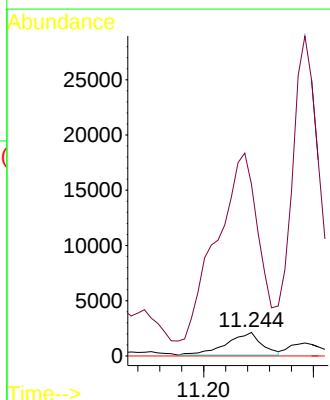
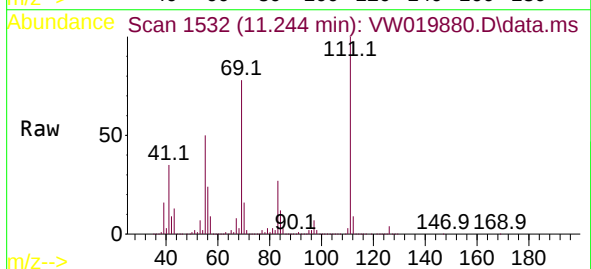
Instrument :  
MSVOA\_W  
ClientSampled :  
EW7B8

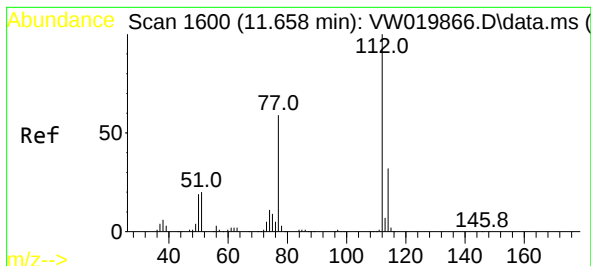
Tgt Ion:129 Resp: 5490  
Ion Ratio Lower Upper  
129 100  
127 56.6 51.7 95.9



#50  
1,2-Dibromoethane  
Concen: 1.052 ug/L  
RT: 11.244 min Scan# 1532  
Delta R.T. 0.006 min  
Lab File: VW019880.D  
Acq: 24 Aug 2021 17:17

Tgt Ion:107 Resp: 4518  
Ion Ratio Lower Upper  
107 100  
109 728.9 65.4 121.4#  
188 0.0 2.6 4.0#

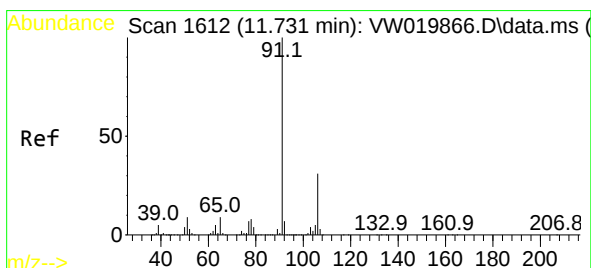
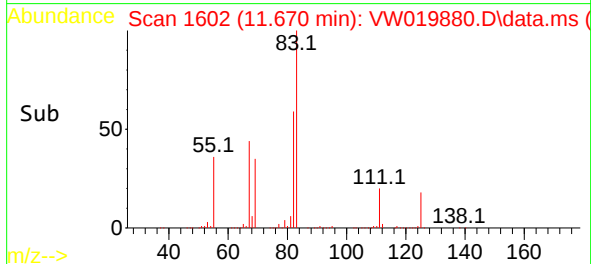
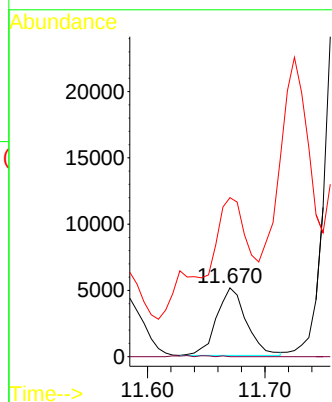
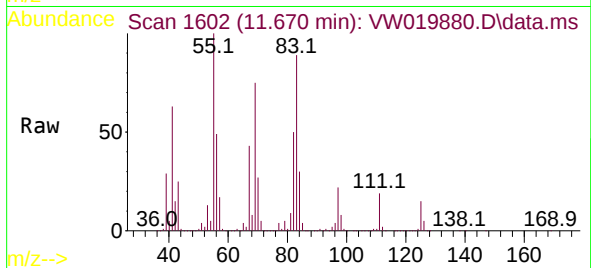




#51  
Chlorobenzene  
Concen: 0.522 ug/L  
RT: 11.670 min Scan# 1602  
Delta R.T. 0.012 min  
Lab File: VW019880.D  
Acq: 24 Aug 2021 17:17

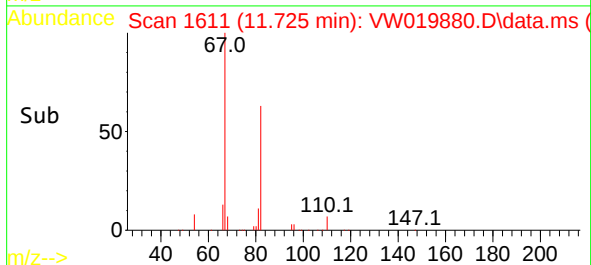
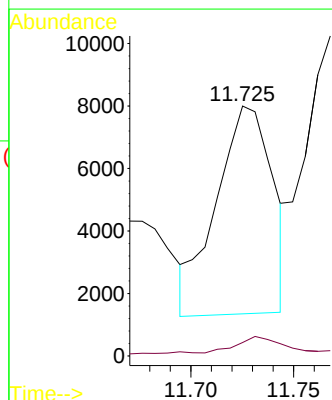
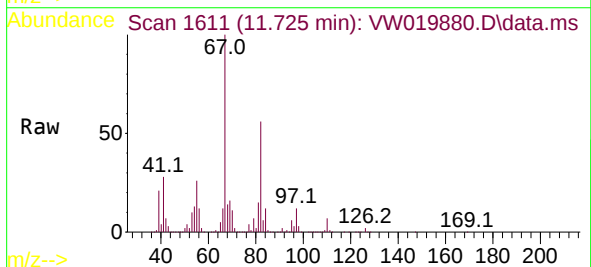
Instrument :  
MSVOA\_W  
ClientSampled :  
EW7B8

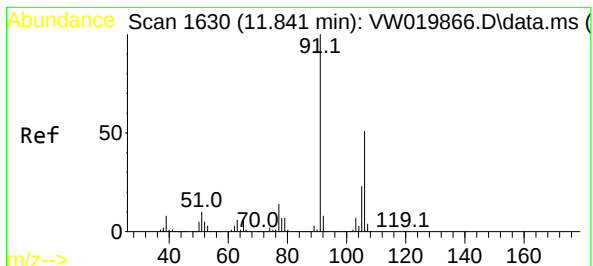
Tgt Ion:112 Resp: 8966  
Ion Ratio Lower Upper  
112 100  
114 0.0 23.4 43.6#  
77 231.4 47.6 71.4#



#52  
Ethylbenzene  
Concen: 0.436 ug/L  
RT: 11.725 min Scan# 1611  
Delta R.T. -0.006 min  
Lab File: VW019880.D  
Acq: 24 Aug 2021 17:17

Tgt Ion: 91 Resp: 12673  
Ion Ratio Lower Upper  
91 100  
106 5.4 22.5 41.7#

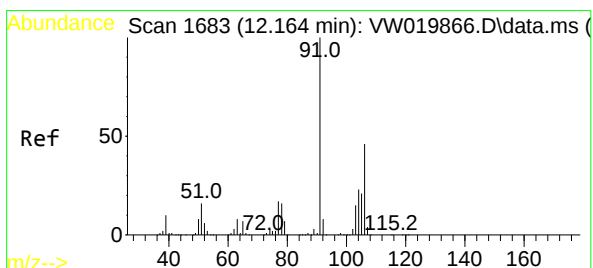
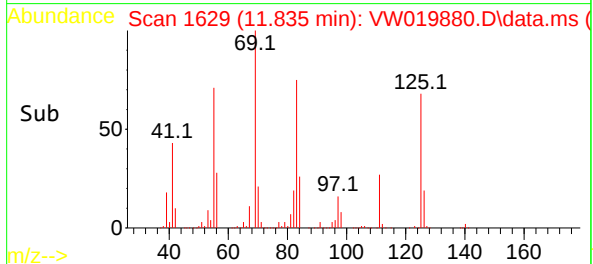
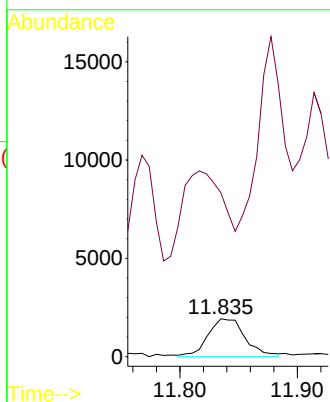
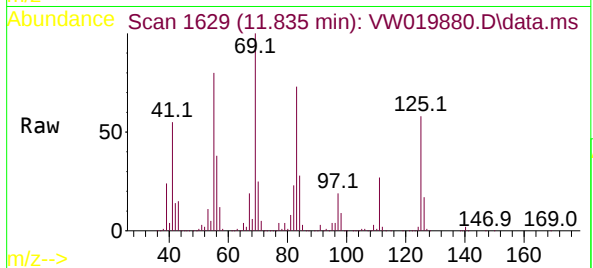




#53  
m,p-Xylene  
Concen: 0.380 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. -0.006 min  
Lab File: VW019880.D  
Acq: 24 Aug 2021 17:17

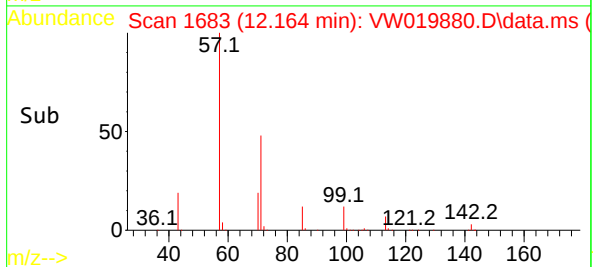
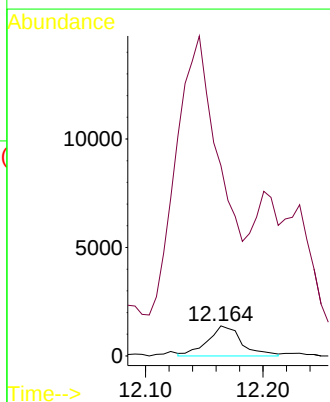
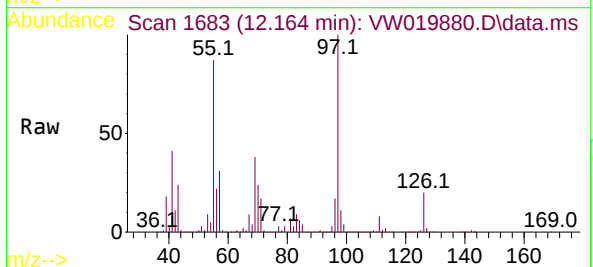
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW7B8

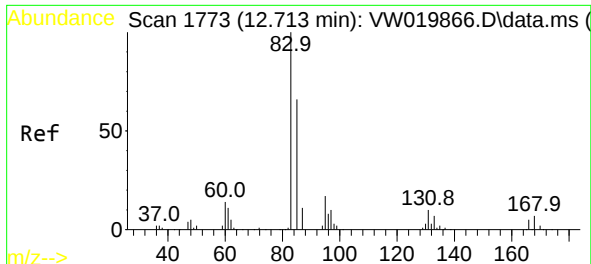
Tgt Ion:106 Resp: 4248  
Ion Ratio Lower Upper  
106 100  
91 431.6 141.3 262.3#



#54  
o-Xylene  
Concen: 0.265 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VW019880.D  
Acq: 24 Aug 2021 17:17

Tgt Ion:106 Resp: 2801  
Ion Ratio Lower Upper  
106 100  
91 632.1 150.0 278.6#

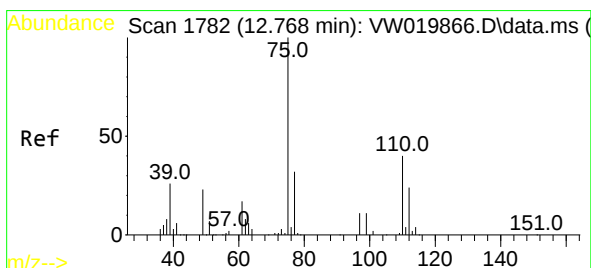
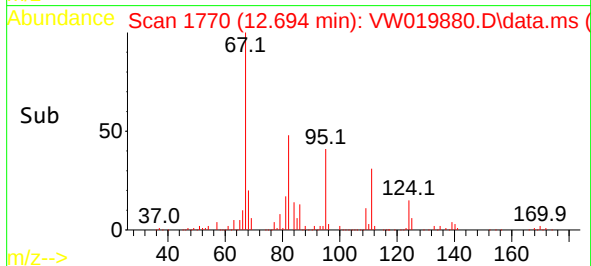
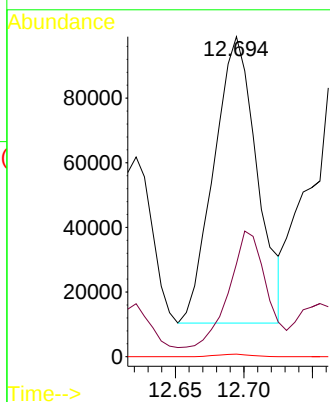
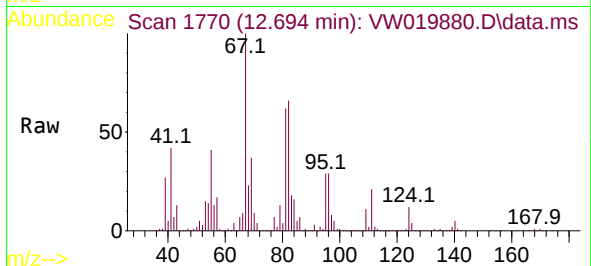




#57  
1,1,2,2-Tetrachloroethane  
Concen: 34.739 ug/L  
RT: 12.694 min Scan# 1770  
Delta R.T. -0.018 min  
Lab File: VW019880.D  
Acq: 24 Aug 2021 17:17

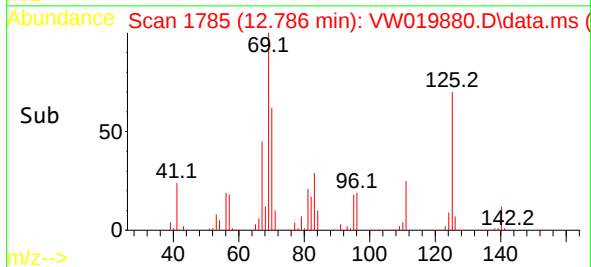
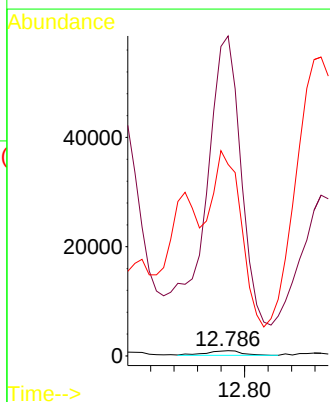
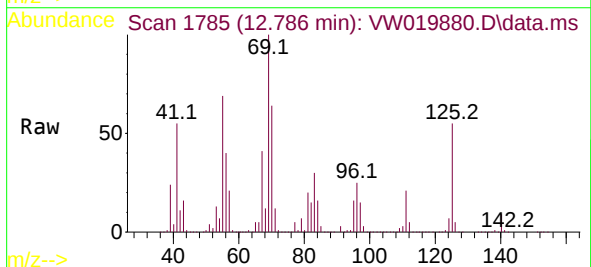
Instrument :  
MSVOA\_W  
ClientSampled :  
EW7B8

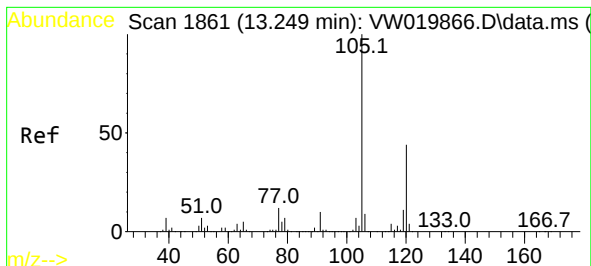
Tgt Ion: 83 Resp: 194842  
Ion Ratio Lower Upper  
83 100  
85 29.0 44.4 82.4#  
131 0.8 8.2 12.4#



#61  
1,2,3-Trichloropropane  
Concen: 0.483 ug/L  
RT: 12.786 min Scan# 1785  
Delta R.T. 0.018 min  
Lab File: VW019880.D  
Acq: 24 Aug 2021 17:17

Tgt Ion: 75 Resp: 1759  
Ion Ratio Lower Upper  
75 100  
77 5674.1 25.3 37.9#  
110 3356.4 32.6 48.8#

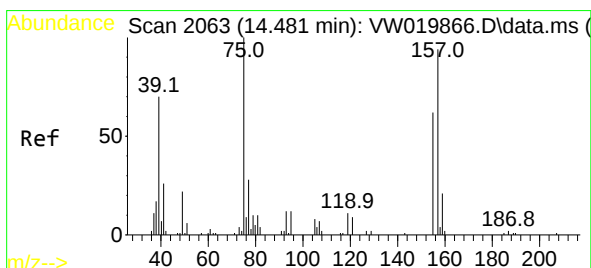
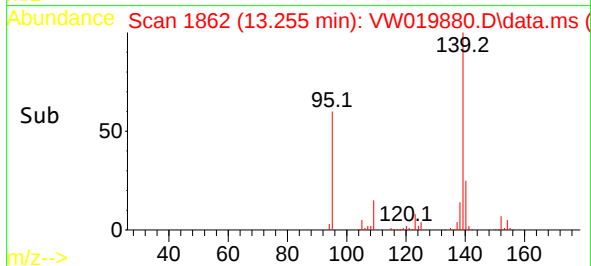
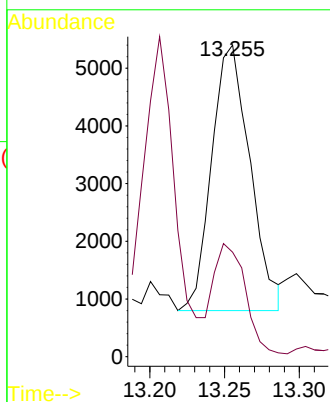
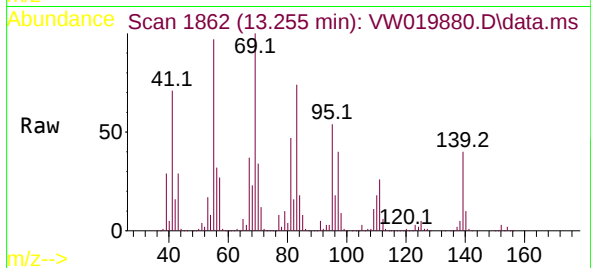




#63  
1,2,4-Trimethylbenzene  
Concen: 0.403 ug/L  
RT: 13.255 min Scan# 1862  
Delta R.T. 0.006 min  
Lab File: VW019880.D  
Acq: 24 Aug 2021 17:17

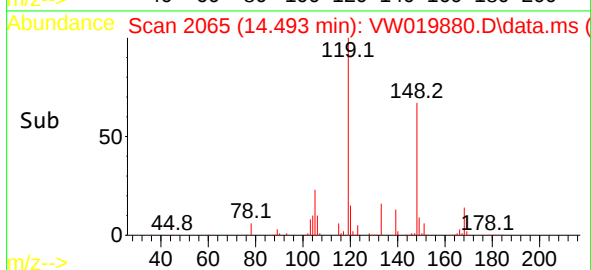
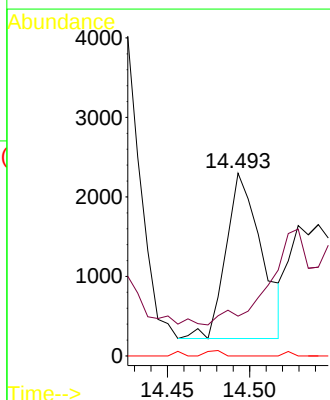
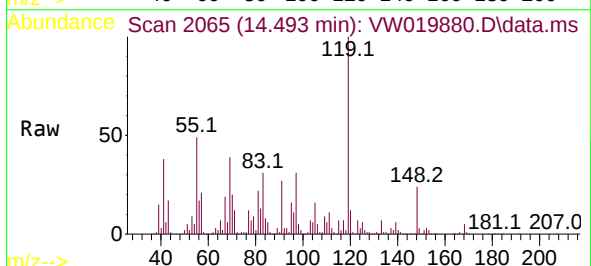
Instrument :  
MSVOA\_W  
ClientSampled :  
EW7B8

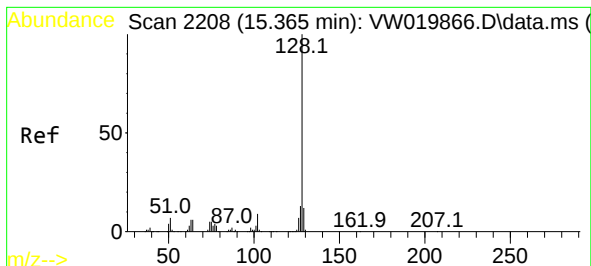
Tgt Ion:105 Resp: 8212  
Ion Ratio Lower Upper  
105 100  
120 36.2 35.6 53.4



#68  
1,2-Dibromo-3-chloropropane  
Concen: 3.924 ug/L  
RT: 14.493 min Scan# 2065  
Delta R.T. 0.012 min  
Lab File: VW019880.D  
Acq: 24 Aug 2021 17:17

Tgt Ion: 75 Resp: 3118  
Ion Ratio Lower Upper  
75 100  
155 21.8 59.4 89.0#  
157 0.0 72.2 108.2#

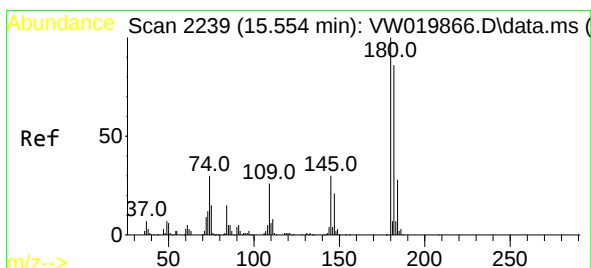
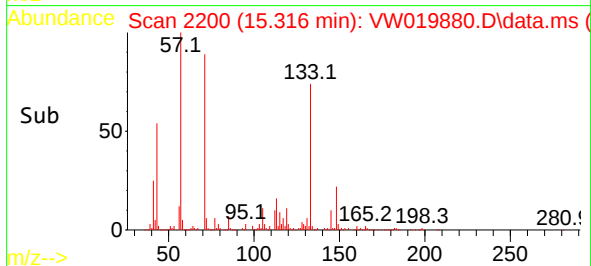
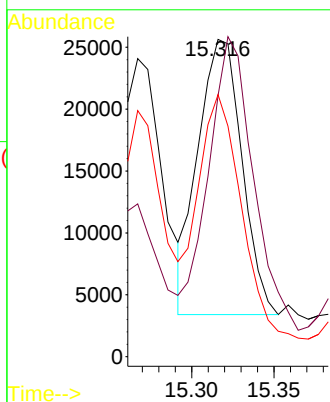
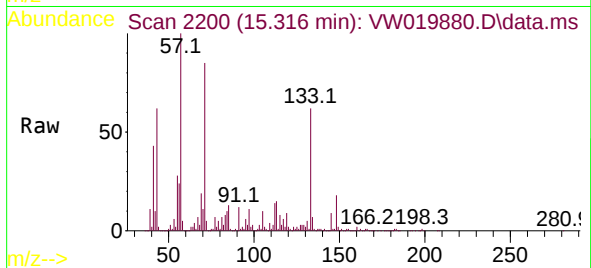




#71  
Naphthalene  
Concen: 3.482 ug/L  
RT: 15.316 min Scan# 2200  
Delta R.T. -0.049 min  
Lab File: VW019880.D  
Acq: 24 Aug 2021 17:17

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW7B8

Tgt Ion:128 Resp: 41293  
Ion Ratio Lower Upper  
128 100  
127 109.4 10.6 15.8#  
129 88.7 9.0 13.6#



#72  
1,2,3-Trichlorobenzene  
Concen: 1.243 ug/L  
RT: 15.578 min Scan# 2243  
Delta R.T. 0.024 min  
Lab File: VW019880.D  
Acq: 24 Aug 2021 17:17

Tgt Ion:180 Resp: 6842  
Ion Ratio Lower Upper  
180 100  
182 81.1 76.7 115.1  
145 3060.4 28.9 43.3#

