

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121420\  
 Data File : VW017616.D  
 Acq On : 14 Dec 2020 17:26  
 Operator : SY/VA  
 Sample : L5015-01  
 Misc : 6.09G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 15 03:28:16 2020  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W121420S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 14 12:39:23 2020  
 Response via : Initial Calibration

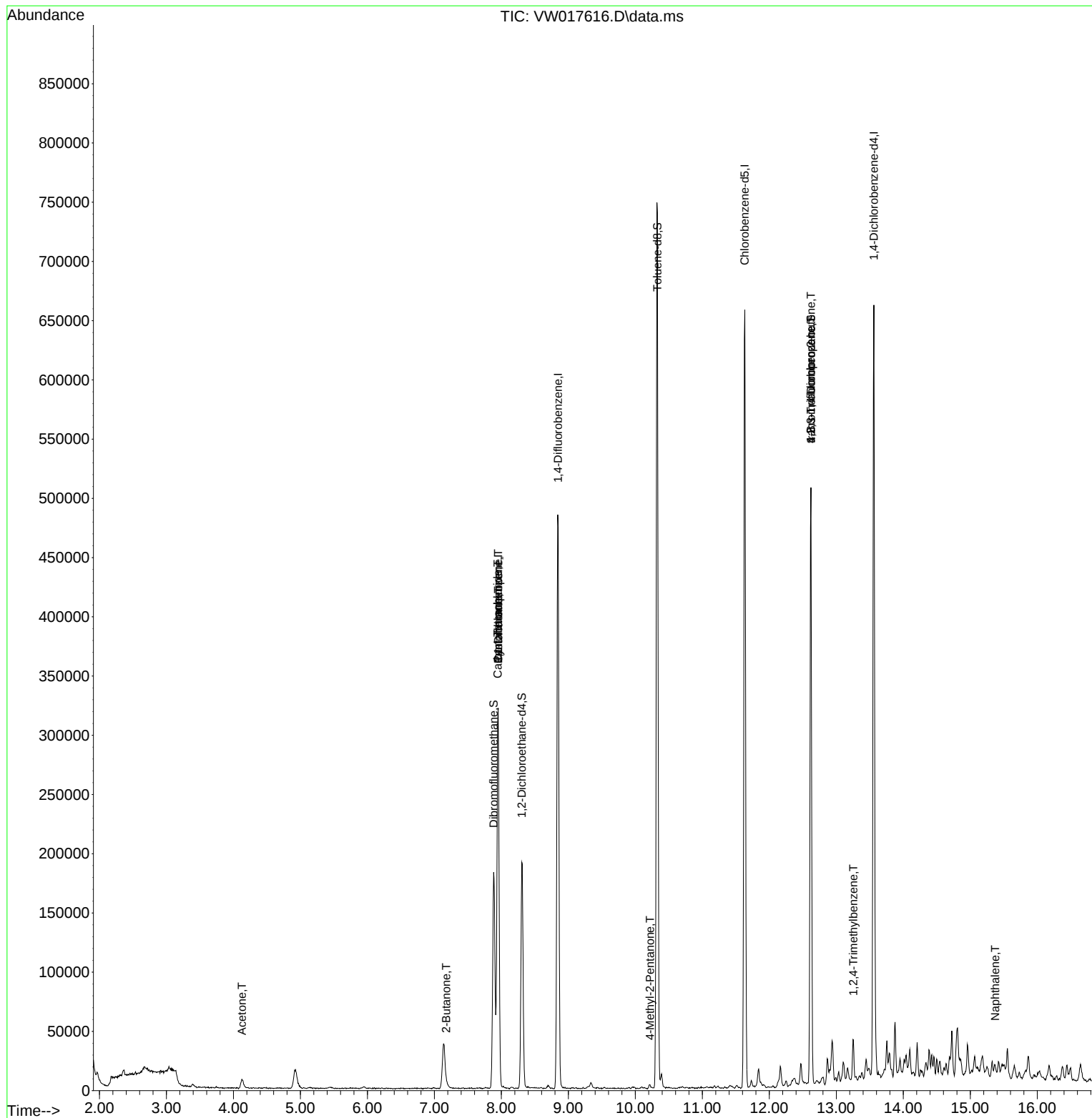
| Compound                      | R.T.   | QIon | Response | Conc      | Units   | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|---------|----------|
| -----                         |        |      |          |           |         |          |
| Internal Standards            |        |      |          |           |         |          |
| 1) Pentafluorobenzene         | 7.951  | 168  | 218776   | 50.00     | ug/l    | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.848  | 114  | 399456   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 11.634 | 117  | 352207   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.560 | 152  | 157720   | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4     | 8.305  | 65   | 151239   | 56.75     | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =         | 113.50% |          |
| 35) Dibromofluoromethane      | 7.884  | 113  | 128538   | 48.63     | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =         | 97.26%  |          |
| 50) Toluene-d8                | 10.329 | 98   | 490072   | 47.62     | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =         | 95.24%  |          |
| 62) 4-Bromofluorobenzene      | 12.621 | 95   | 160778   | 43.75     | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =         | 87.50%  |          |
| Target Compounds              |        |      |          |           |         |          |
|                               |        |      |          |           |         | Qvalue   |
| 11) Tert butyl alcohol        | 5.159  | 59   | 670      | Below Cal | #       | 45       |
| 16) Acetone                   | 4.129  | 43   | 13606    | 23.46     | ug/l    | 93       |
| 20) Methylene Chloride        | 4.915  | 84   | 12354    | Below Cal | #       | 83       |
| 25) 2-Butanone                | 7.177  | 43   | 6189     | 8.02      | ug/l    | 99       |
| 26) 2,2-Dichloropropane       | 7.141  | 77   | 2783     | Below Cal | #       | 50       |
| 31) Cyclohexane               | 7.951  | 56   | 7102     | 1.54      | ug/l    | # 37     |
| 36) 1,1-Dichloropropene       | 7.951  | 75   | 20684    | 4.95      | ug/l    | # 47     |
| 38) Carbon Tetrachloride      | 7.945  | 117  | 24950    | 5.94      | ug/l    | # 14     |
| 51) 4-Methyl-2-Pentanone      | 10.219 | 43   | 2414     | 1.48      | ug/l    | 91       |
| 76) 1,2,3-Trichloropropane    | 12.621 | 75   | 92393    | 60.85     | ug/l    | # 1      |
| 81) trans-1,4-Dichloro-2-b... | 12.621 | 75   | 92393    | 123.30    | ug/l    | # 11     |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 19104    | 1.84      | ug/l    | 98       |
| 95) Naphthalene               | 15.371 | 128  | 7754     | 1.25      | ug/l    | 96       |
| -----                         |        |      |          |           |         |          |

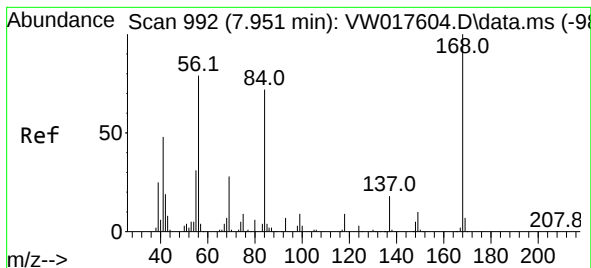
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121420\  
Data File : VW017616.D  
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Operator : SY/VA  
Sample : L5015-01  
Misc : 6.09G/5ML/MSVOA\_W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Dec 15 03:28:16 2020  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W121420S.M  
Quant Title : SW846 8260  
QLast Update : Mon Dec 14 12:39:23 2020  
Response via : Initial Calibration

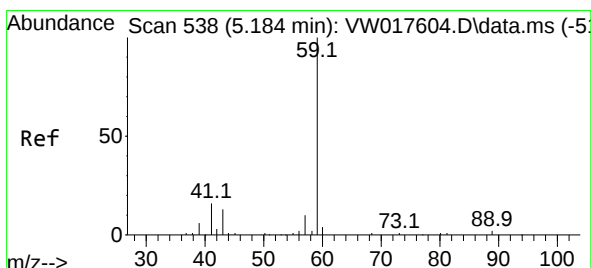
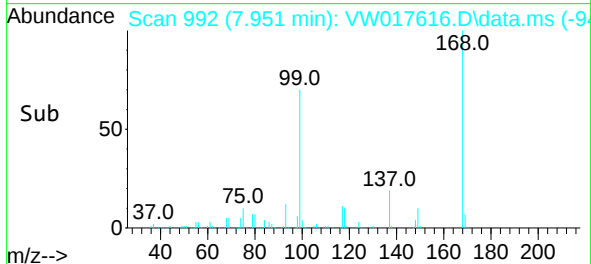
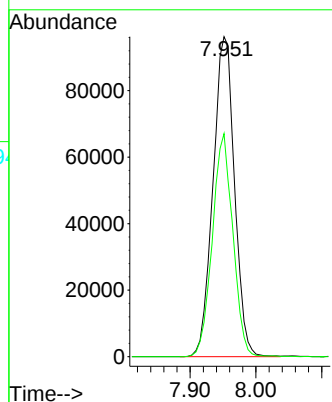
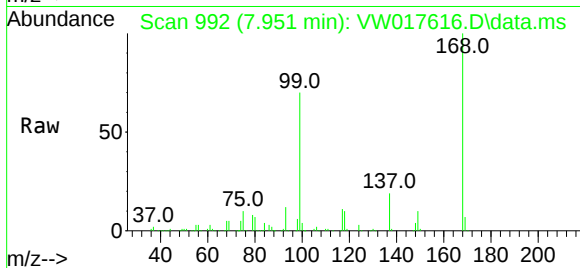




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.951 min Scan# 992  
Delta R.T. 0.000 min  
Lab File: VW017616.D  
Acq: 14 Dec 2020 17:26

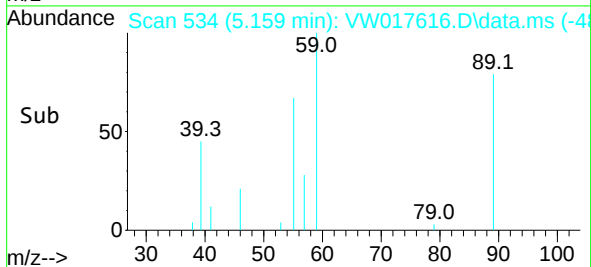
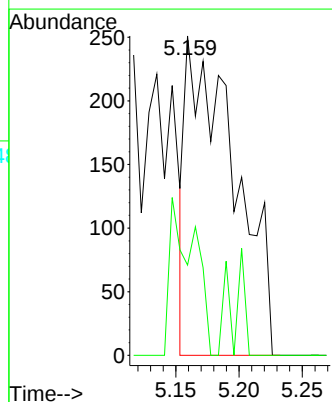
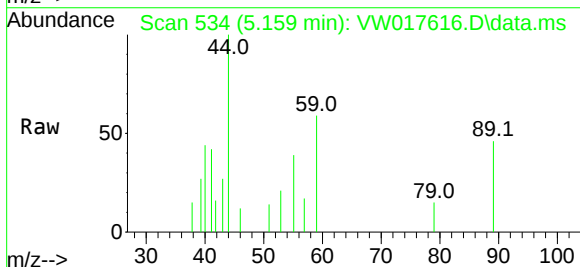
Instrument :  
MSVOA\_W  
ClientSampled :

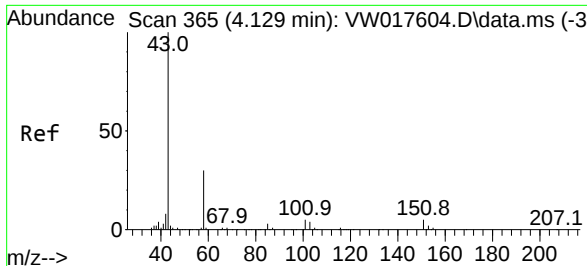
Tgt Ion:168 Resp: 218776  
Ion Ratio Lower Upper  
168 100  
99 69.7 40.7 61.1#



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 5.159 min Scan# 534  
Delta R.T. -0.025 min  
Lab File: VW017616.D  
Acq: 14 Dec 2020 17:26

Tgt Ion: 59 Resp: 670  
Ion Ratio Lower Upper  
59 100  
57 24.5 4.7 7.1#

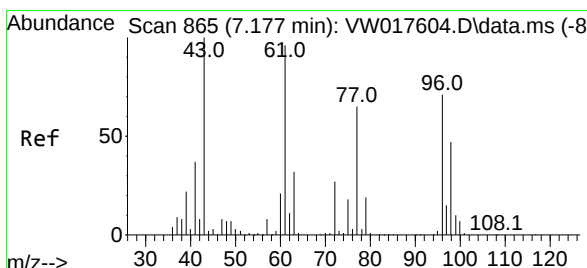
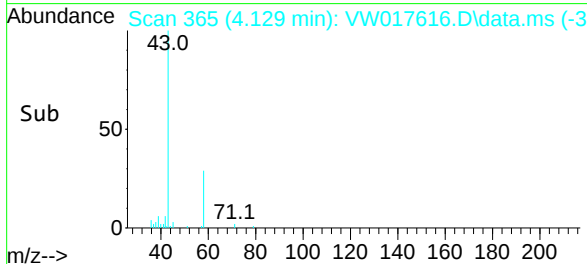
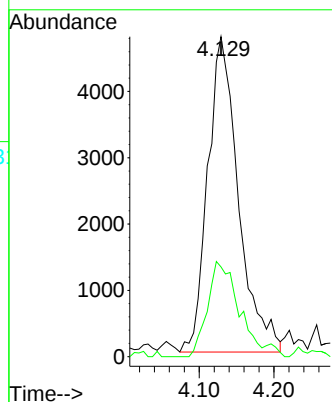
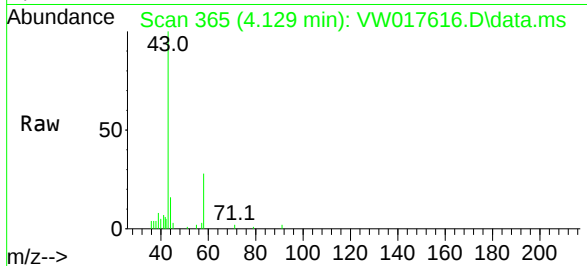




#16  
Acetone  
Concen: 23.46 ug/l  
RT: 4.129 min Scan# 365  
Delta R.T. -0.000 min  
Lab File: VW017616.D  
Acq: 14 Dec 2020 17:26

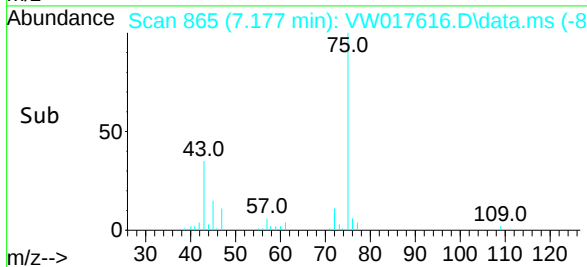
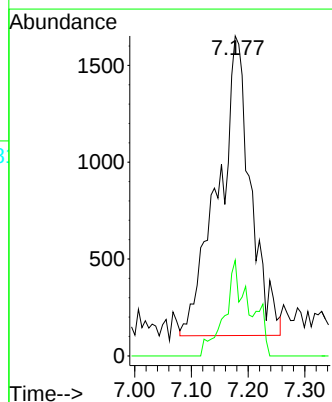
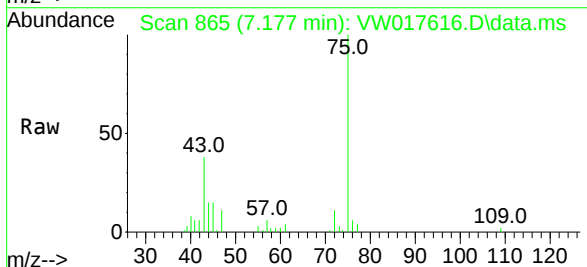
Instrument :  
MSVOA\_W  
ClientSampled :

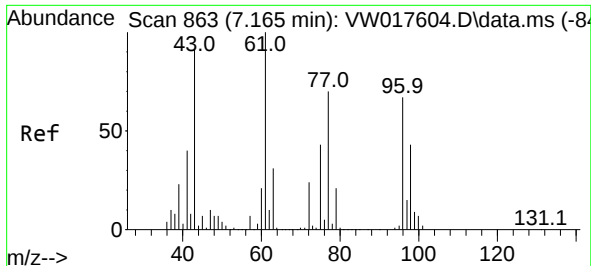
Tgt Ion: 43 Resp: 13606  
Ion Ratio Lower Upper  
43 100  
58 28.5 25.7 38.5



#25  
2-Butanone  
Concen: 8.02 ug/l  
RT: 7.177 min Scan# 865  
Delta R.T. 0.000 min  
Lab File: VW017616.D  
Acq: 14 Dec 2020 17:26

Tgt Ion: 43 Resp: 6189  
Ion Ratio Lower Upper  
43 100  
72 32.4 25.4 38.2

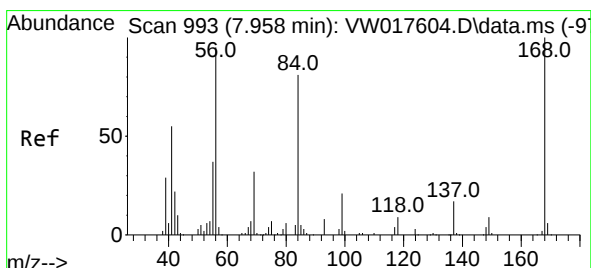
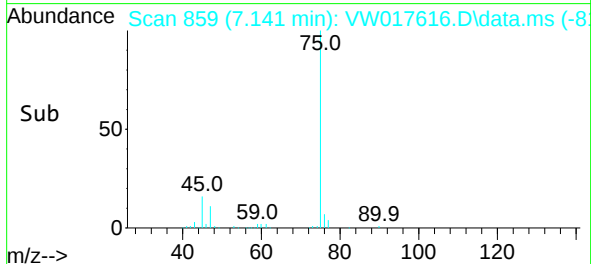
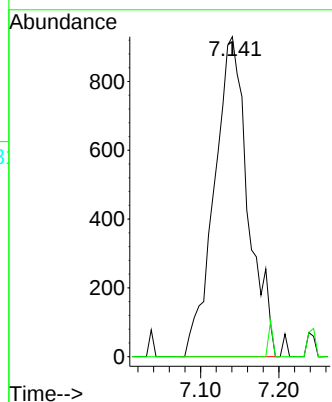
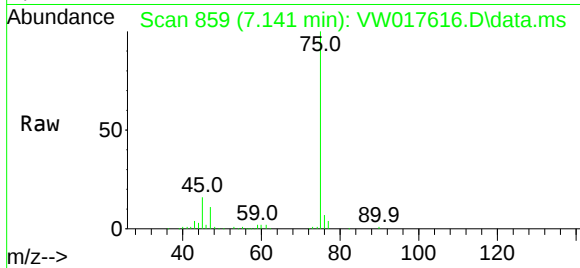




#26  
2,2-Dichloropropane  
Concen: Below Cal  
RT: 7.141 min Scan# 859  
Delta R.T. -0.024 min  
Lab File: VW017616.D  
Acq: 14 Dec 2020 17:26

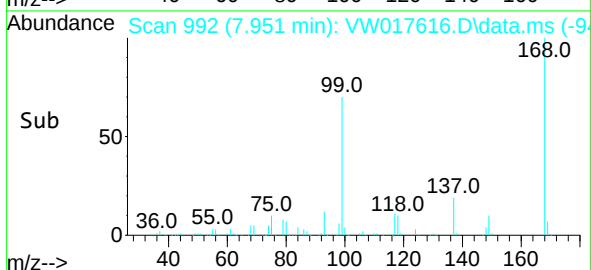
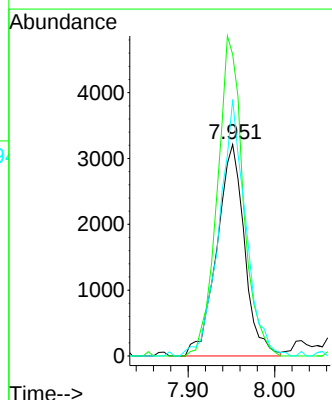
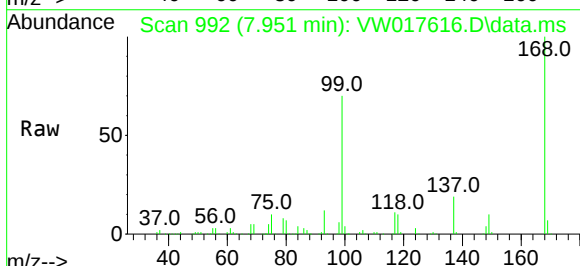
Instrument :  
MSVOA\_W  
ClientSampled :

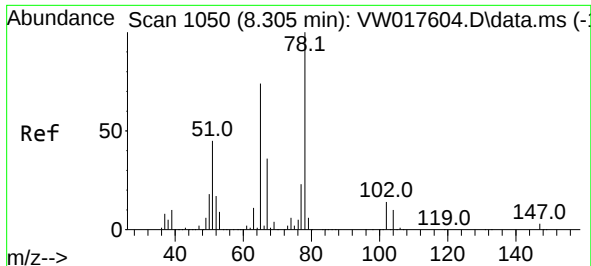
Tgt Ion: 77 Resp: 2783  
Ion Ratio Lower Upper  
77 100  
97 0.0 12.4 37.4#



#31  
Cyclohexane  
Concen: 1.54 ug/l  
RT: 7.951 min Scan# 992  
Delta R.T. -0.007 min  
Lab File: VW017616.D  
Acq: 14 Dec 2020 17:26

Tgt Ion: 56 Resp: 7102  
Ion Ratio Lower Upper  
56 100  
69 142.5 29.3 43.9#  
84 121.1 80.5 120.7#

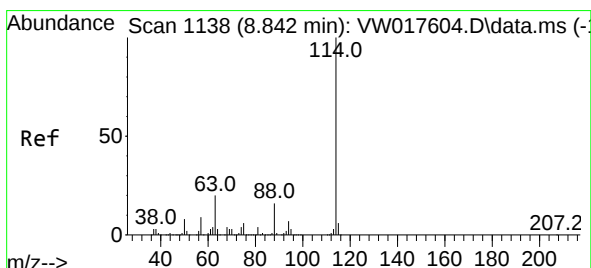
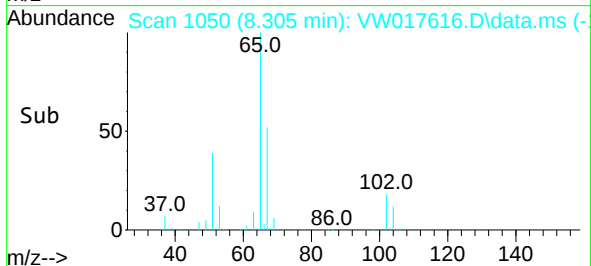
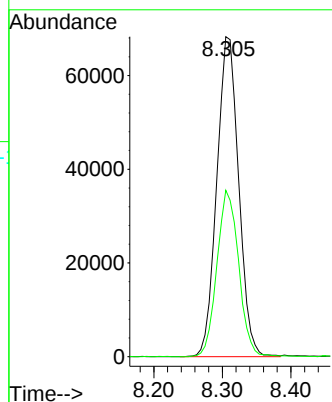
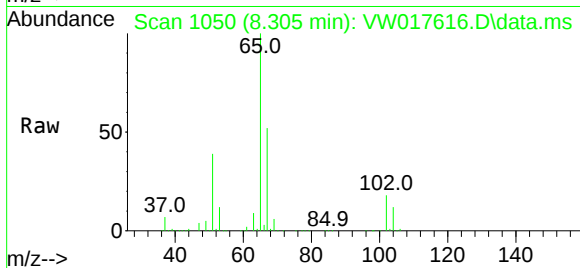




#33  
1,2-Dichloroethane-d4  
Concen: 56.75 ug/l  
RT: 8.305 min Scan# 1050  
Delta R.T. 0.000 min  
Lab File: VW017616.D  
Acq: 14 Dec 2020 17:26

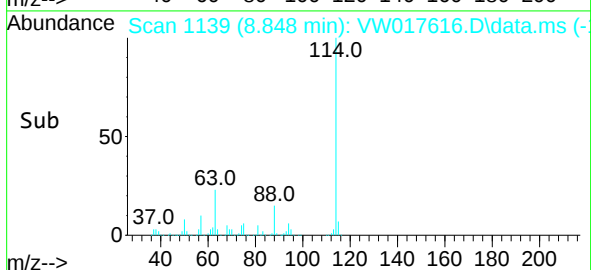
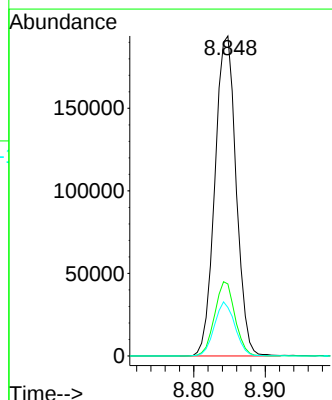
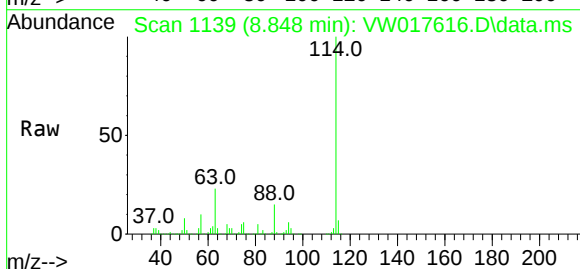
Instrument :  
MSVOA\_W  
ClientSampled :

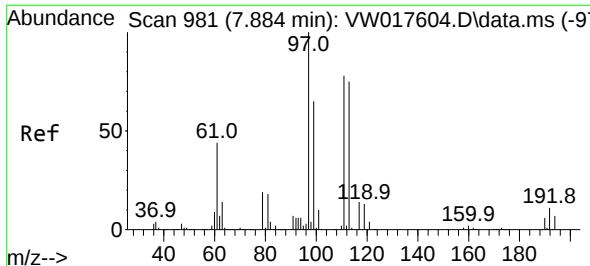
Tgt Ion: 65 Resp: 151239  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 103.8



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.848 min Scan# 1139  
Delta R.T. 0.006 min  
Lab File: VW017616.D  
Acq: 14 Dec 2020 17:26

Tgt Ion: 114 Resp: 399456  
Ion Ratio Lower Upper  
114 100  
63 22.5 0.0 35.6  
88 15.1 0.0 30.4

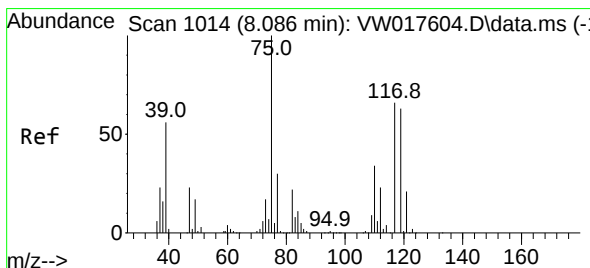
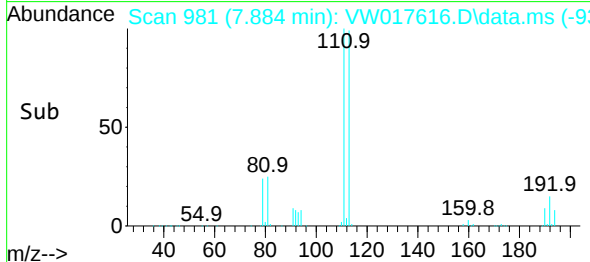
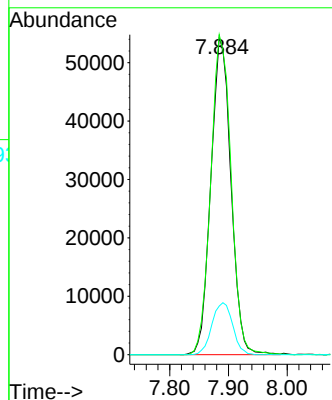
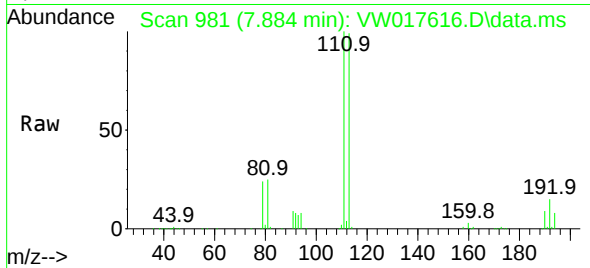




#35  
Dibromofluoromethane  
Concen: 48.63 ug/l  
RT: 7.884 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VW017616.D  
Acq: 14 Dec 2020 17:26

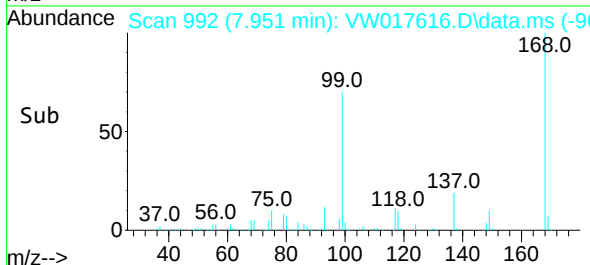
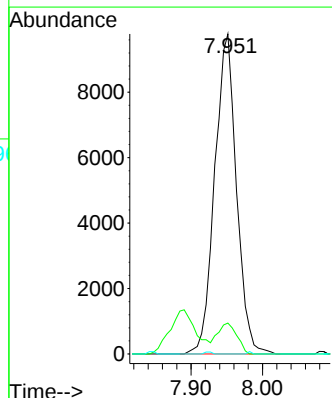
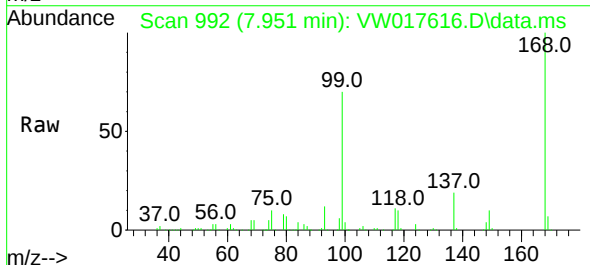
Instrument :  
MSVOA\_W  
ClientSampleId :

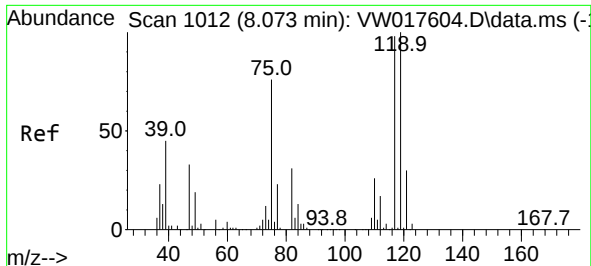
Tgt Ion:113 Resp: 128538  
Ion Ratio Lower Upper  
113 100  
111 102.8 81.4 122.2  
192 17.0 17.8 26.8#



#36  
1,1-Dichloropropene  
Concen: 4.95 ug/l  
RT: 7.951 min Scan# 992  
Delta R.T. -0.135 min  
Lab File: VW017616.D  
Acq: 14 Dec 2020 17:26

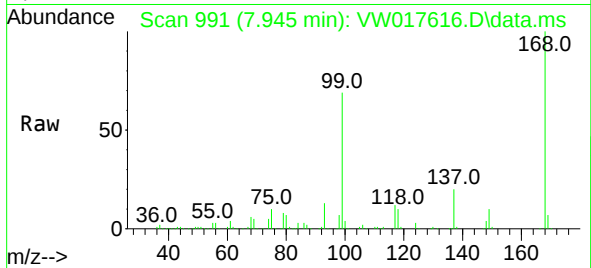
Tgt Ion: 75 Resp: 20684  
Ion Ratio Lower Upper  
75 100  
110 8.7 19.3 57.9#  
77 0.0 25.0 37.6#



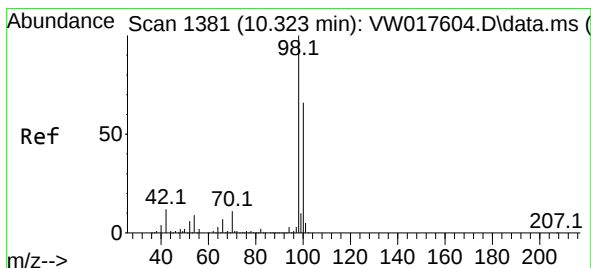
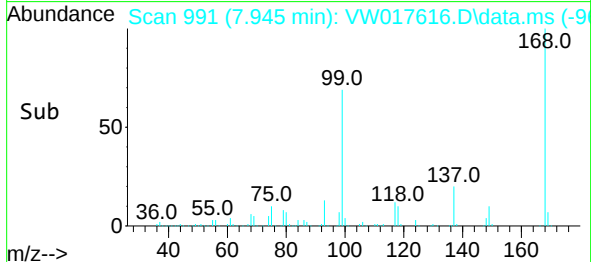
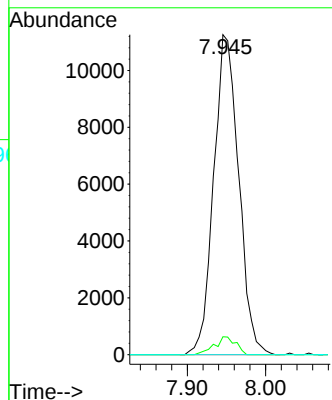


#38  
Carbon Tetrachloride  
Concen: 5.94 ug/l  
RT: 7.945 min Scan# 991  
Delta R.T. -0.128 min  
Lab File: VW017616.D  
Acq: 14 Dec 2020 17:26

Instrument :  
MSVOA\_W  
ClientSampleId :

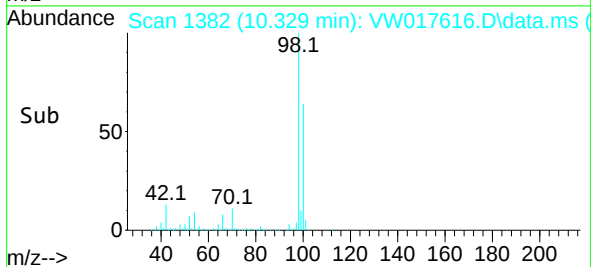
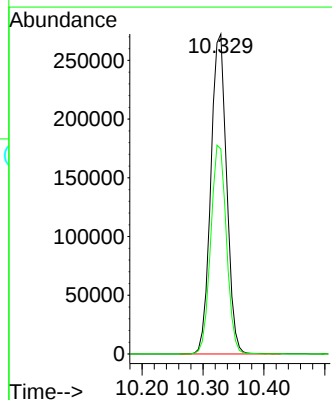
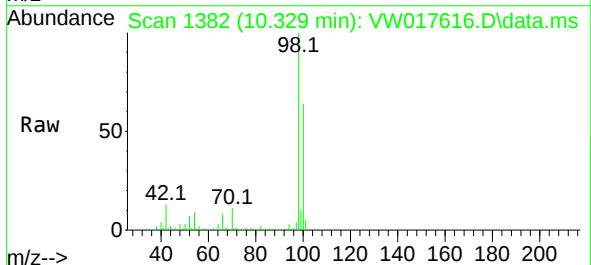


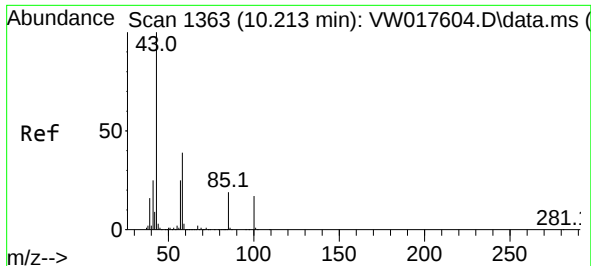
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Ion Ratio Lower Upper  
117 100  
119 5.6 81.6 122.4#  
121 0.0 25.7 38.5#



#50  
Toluene-d8  
Concen: 47.62 ug/l  
RT: 10.329 min Scan# 1382  
Delta R.T. 0.006 min  
Lab File: VW017616.D  
Acq: 14 Dec 2020 17:26

Tgt Ion: 98 Resp: 490072  
Ion Ratio Lower Upper  
98 100  
100 64.9 53.3 79.9

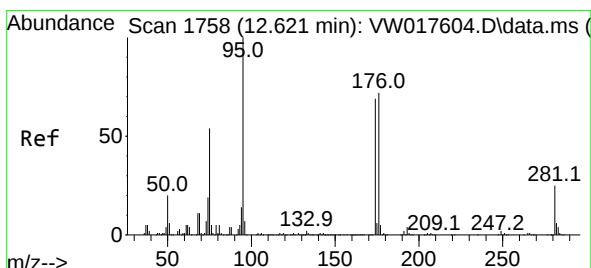
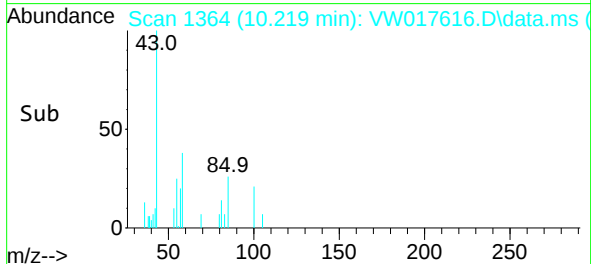
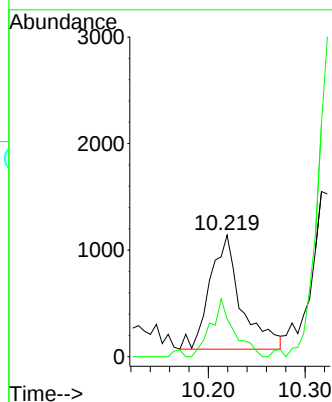
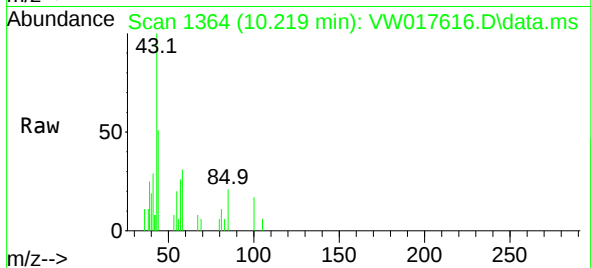




#51  
4-Methyl-2-Pentanone  
Concen: 1.48 ug/l  
RT: 10.219 min Scan# 1364  
Delta R.T. 0.006 min  
Lab File: VW017616.D  
Acq: 14 Dec 2020 17:26

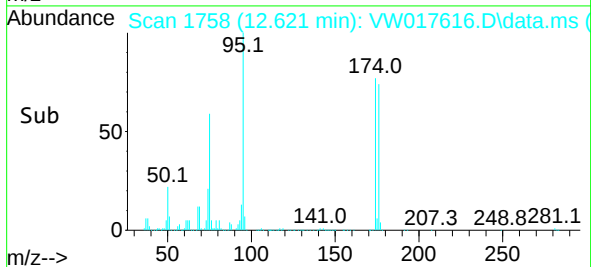
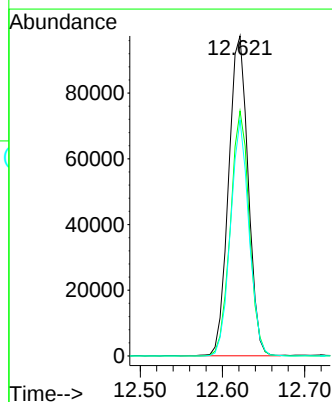
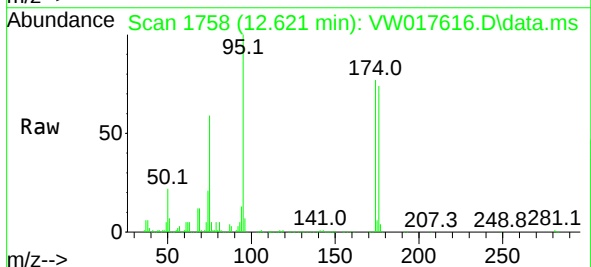
Instrument :  
MSVOA\_W  
ClientSampled :

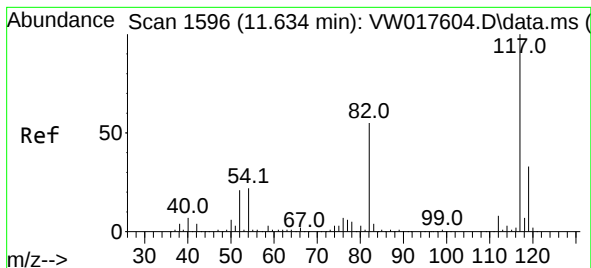
Tgt Ion: 43 Resp: 2414  
Ion Ratio Lower Upper  
43 100  
58 37.4 34.7 52.1



#62  
4-Bromofluorobenzene  
Concen: 43.75 ug/l  
RT: 12.621 min Scan# 1758  
Delta R.T. 0.000 min  
Lab File: VW017616.D  
Acq: 14 Dec 2020 17:26

Tgt Ion: 95 Resp: 160778  
Ion Ratio Lower Upper  
95 100  
174 73.9 0.0 180.6  
176 69.6 0.0 177.6

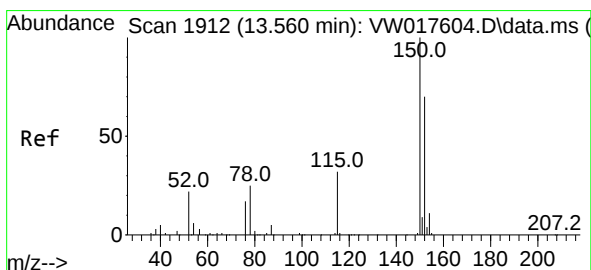
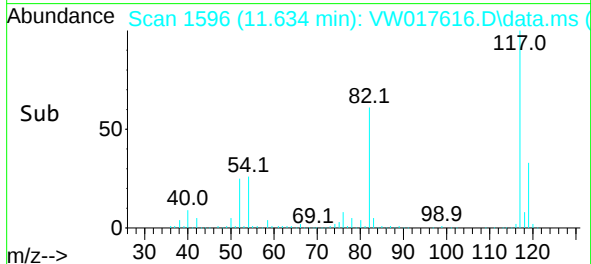
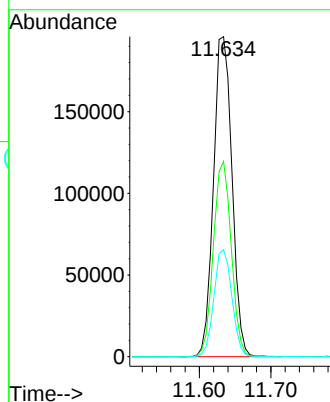
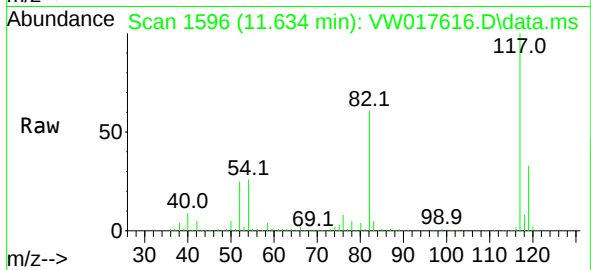




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.634 min Scan# 1596  
Delta R.T. -0.000 min  
Lab File: VW017616.D  
Acq: 14 Dec 2020 17:26

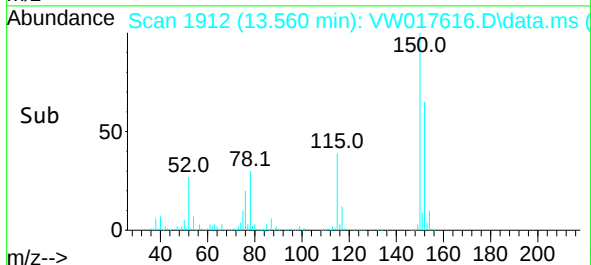
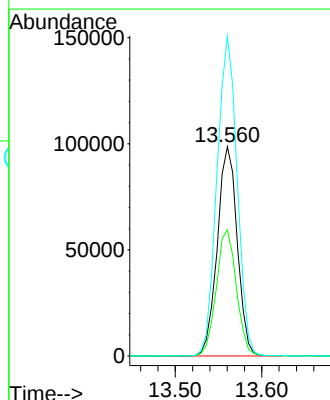
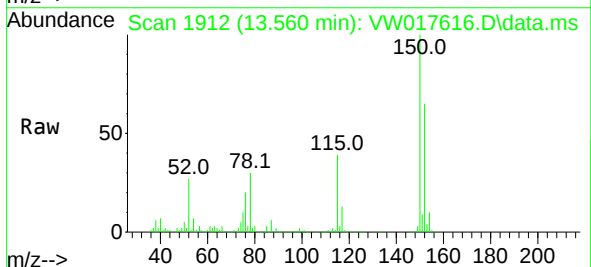
Instrument :  
MSVOA\_W  
ClientSampled :

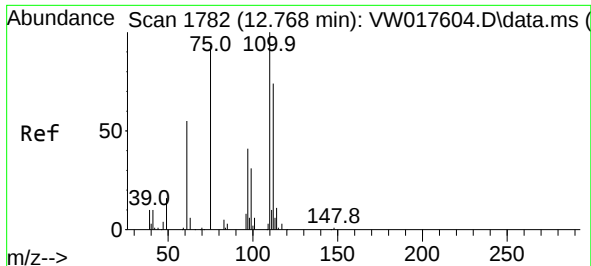
Tgt Ion:117 Resp: 352207  
Ion Ratio Lower Upper  
117 100  
82 61.1 40.7 61.1  
119 33.4 25.0 37.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.560 min Scan# 1912  
Delta R.T. 0.000 min  
Lab File: VW017616.D  
Acq: 14 Dec 2020 17:26

Tgt Ion:152 Resp: 157720  
Ion Ratio Lower Upper  
152 100  
115 60.4 27.9 83.7  
150 154.4 0.0 344.0

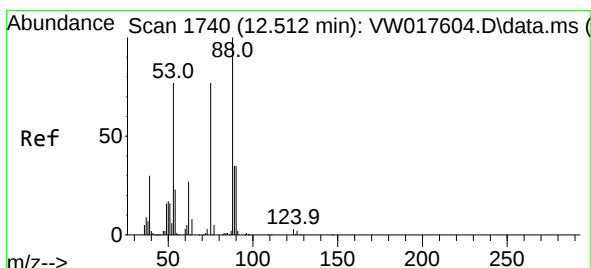
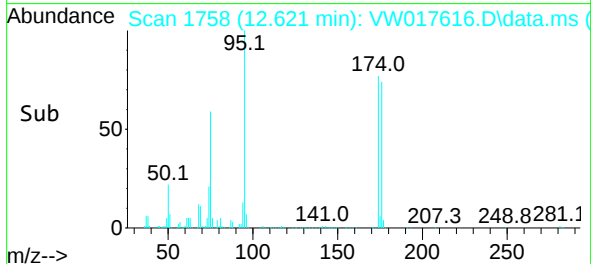
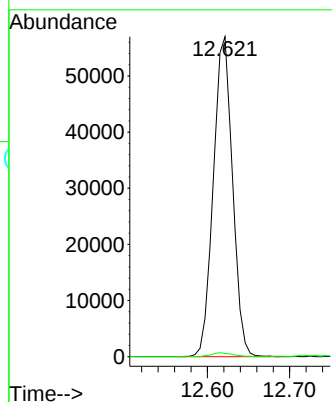
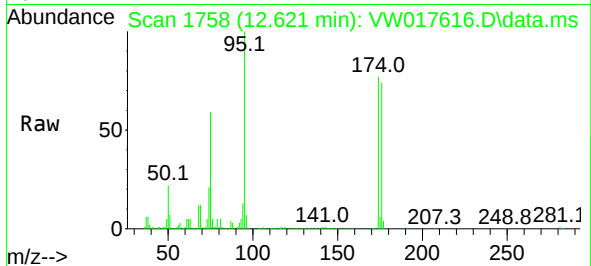




#76  
1,2,3-Trichloropropane  
Concen: 60.85 ug/l  
RT: 12.621 min Scan# 1758  
Delta R.T. -0.147 min  
Lab File: VW017616.D  
Acq: 14 Dec 2020 17:26

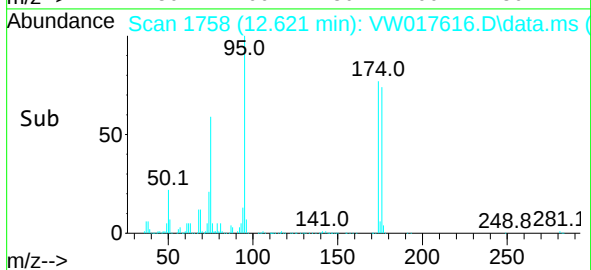
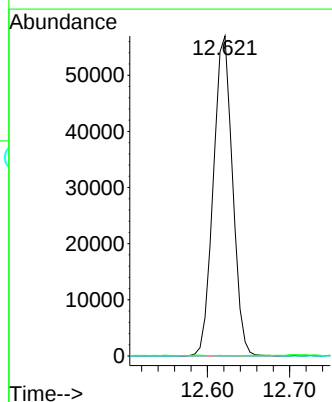
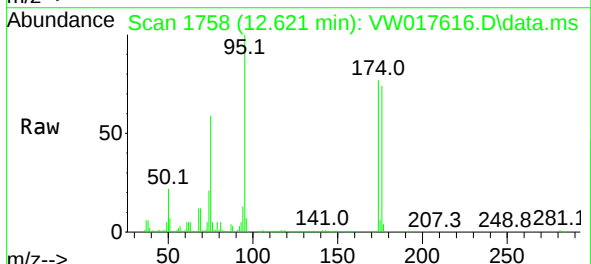
Instrument :  
MSVOA\_W  
ClientSampleId :

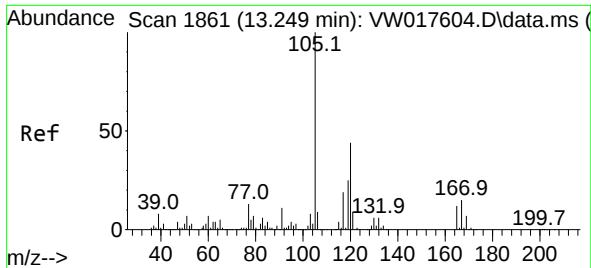
Tgt Ion: 75 Resp: 92393  
Ion Ratio Lower Upper  
75 100  
77 1.4 178.8 536.3#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 123.30 ug/l  
RT: 12.621 min Scan# 1758  
Delta R.T. 0.109 min  
Lab File: VW017616.D  
Acq: 14 Dec 2020 17:26

Tgt Ion: 75 Resp: 92393  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.0 115.4#  
89 0.0 38.7 58.1#

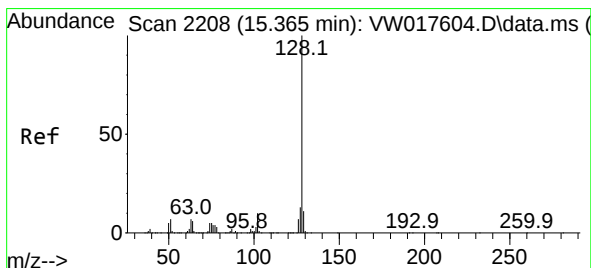
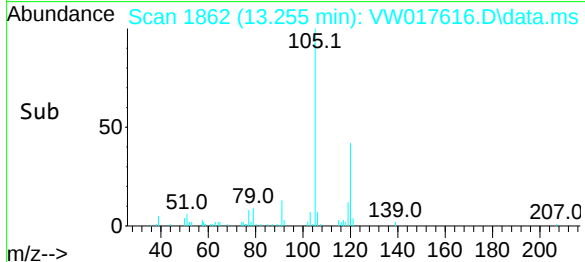
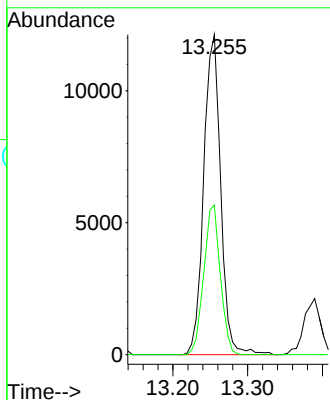
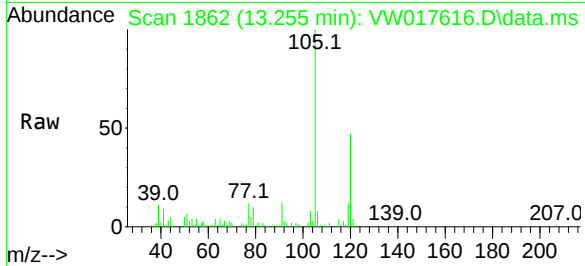




#84  
1,2,4-Trimethylbenzene  
Concen: 1.84 ug/l  
RT: 13.255 min Scan# 1862  
Delta R.T. 0.006 min  
Lab File: VW017616.D  
Acq: 14 Dec 2020 17:26

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:105 Resp: 19104  
Ion Ratio Lower Upper  
105 100  
120 45.6 23.4 70.0



#95  
Naphthalene  
Concen: 1.25 ug/l  
RT: 15.371 min Scan# 2209  
Delta R.T. 0.006 min  
Lab File: VW017616.D  
Acq: 14 Dec 2020 17:26

Tgt Ion:128 Resp: 7754  
Ion Ratio Lower Upper  
128 100  
127 15.2 10.4 15.6  
129 11.1 8.6 12.8

