

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW062221\  
 Data File : VW019264.D  
 Acq On : 22 Jun 2021 13:22  
 Operator : SY/VA  
 Sample : M2790-01  
 Misc : 5.02G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jun 23 05:40:57 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W062121S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 21 12:12:47 2021  
 Response via : Initial Calibration

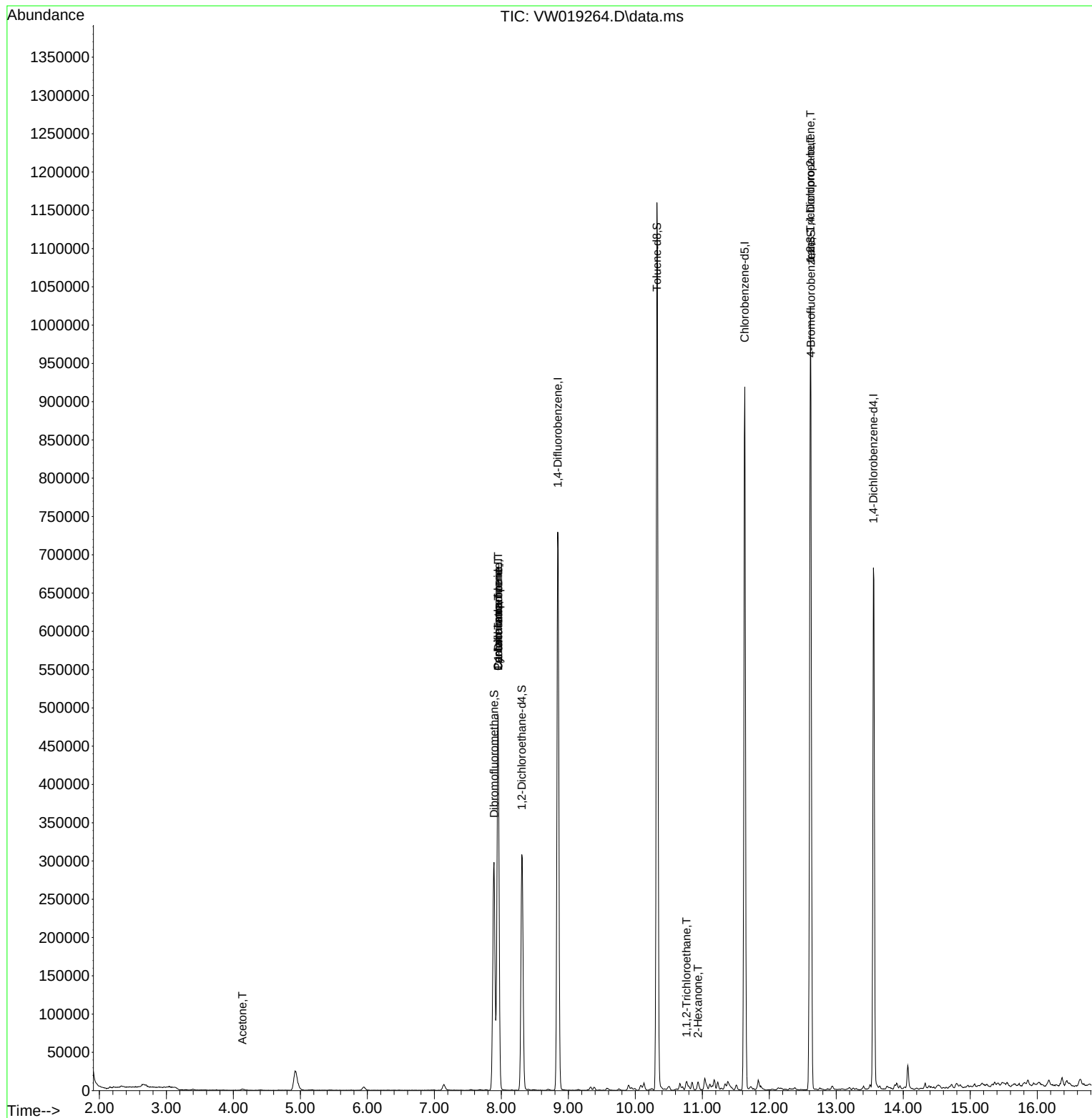
| Compound                      | R.T.   | QIon | Response | Conc      | Units    | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|----------|----------|
| -----                         |        |      |          |           |          |          |
| Internal Standards            |        |      |          |           |          |          |
| 1) Pentafluorobenzene         | 7.952  | 168  | 347915   | 50.000    | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.842  | 114  | 610195   | 50.000    | ug/l     | 0.00     |
| 63) Chlorobenzene-d5          | 11.634 | 117  | 494214   | 50.000    | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.554 | 152  | 172315   | 50.000    | ug/l     | 0.00     |
| System Monitoring Compounds   |        |      |          |           |          |          |
| 33) 1,2-Dichloroethane-d4     | 8.305  | 65   | 255044   | 60.431    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =         | 120.860% |          |
| 35) Dibromofluoromethane      | 7.891  | 113  | 210061   | 54.048    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =         | 108.100% |          |
| 50) Toluene-d8                | 10.323 | 98   | 749330   | 48.162    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =         | 96.320%  |          |
| 62) 4-Bromofluorobenzene      | 12.621 | 95   | 233915   | 42.987    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =         | 85.980%  |          |
| Target Compounds              |        |      |          |           |          |          |
|                               |        |      |          |           | Qvalue   |          |
| 11) Tert butyl alcohol        | 5.172  | 59   | 299      | Below Cal | #        | 71       |
| 16) Acetone                   | 4.135  | 43   | 3032     | 4.476     | ug/l     | 97       |
| 20) Methylene Chloride        | 4.922  | 84   | 23646    | Below Cal |          | 98       |
| 31) Cyclohexane               | 7.952  | 56   | 8918     | 1.243     | ug/l     | # 19     |
| 36) 1,1-Dichloropropene       | 7.952  | 75   | 29821    | 4.618     | ug/l     | # 50     |
| 38) Carbon Tetrachloride      | 7.952  | 117  | 35273    | 6.248     | ug/l     | # 15     |
| 55) 1,1,2-Trichloroethane     | 10.762 | 97   | 3637     | 1.157     | ug/l     | # 19     |
| 59) 2-Hexanone                | 10.933 | 43   | 3756     | 2.376     | ug/l     | # 29     |
| 76) 1,2,3-Trichloropropane    | 12.615 | 75   | 128863   | 76.336    | ug/l     | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.615 | 75   | 128863   | 185.186   | ug/l     | # 10     |
| -----                         |        |      |          |           |          |          |

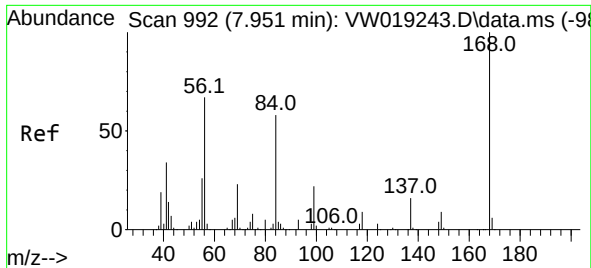
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW062221\  
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Sample : M2790-01  
Misc : 5.02G/5ML/MSVOA\_W/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Jun 23 05:40:57 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W062121S.M  
Quant Title : SW846 8260  
QLast Update : Mon Jun 21 12:12:47 2021  
Response via : Initial Calibration

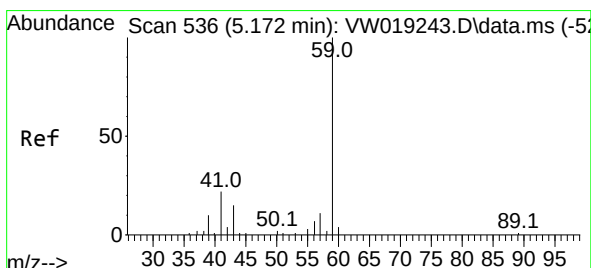
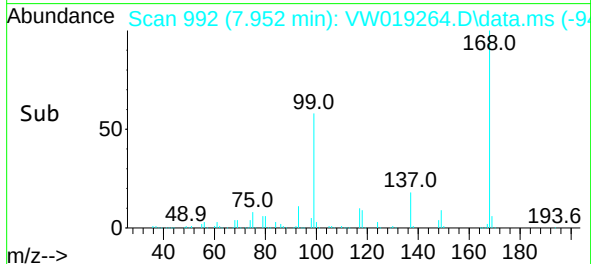
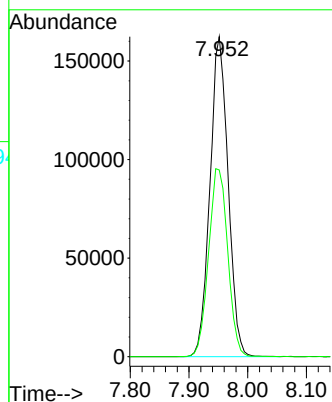
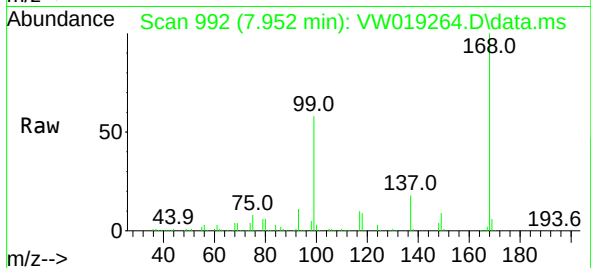




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.952 min Scan# 992  
Delta R.T. 0.001 min  
Lab File: VW019264.D  
Acq: 22 Jun 2021 13:22

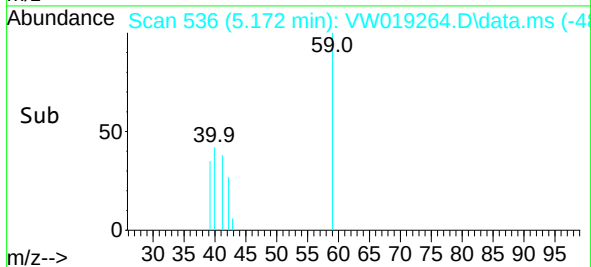
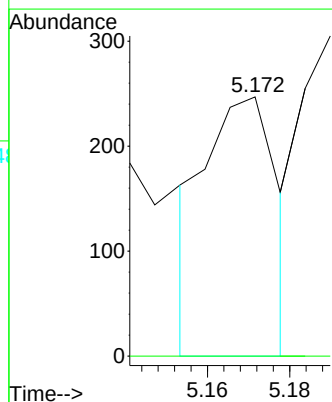
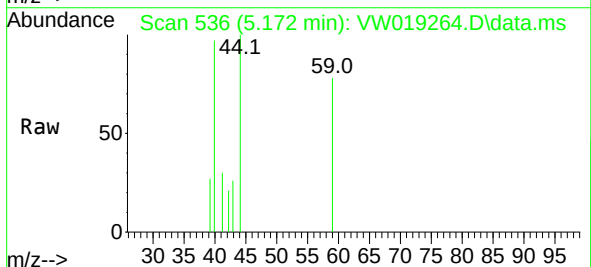
Instrument :  
MSVOA\_W  
ClientSampleId :

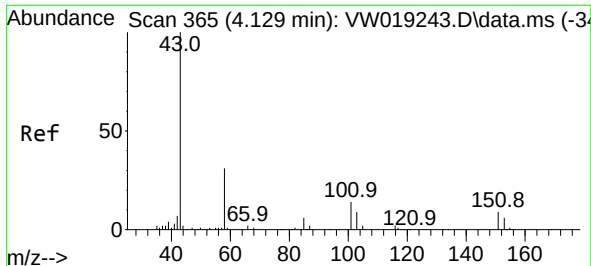
Tgt Ion:168 Resp: 347915  
Ion Ratio Lower Upper  
168 100  
99 58.3 48.8 73.2



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 5.172 min Scan# 536  
Delta R.T. -0.000 min  
Lab File: VW019264.D  
Acq: 22 Jun 2021 13:22

Tgt Ion: 59 Resp: 299  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.9 13.3#

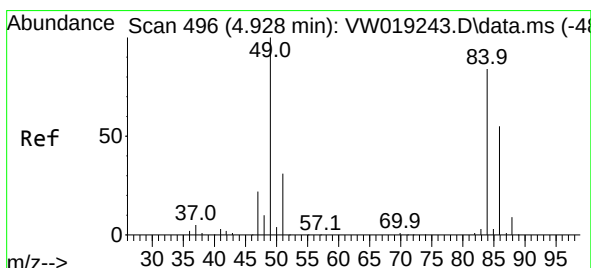
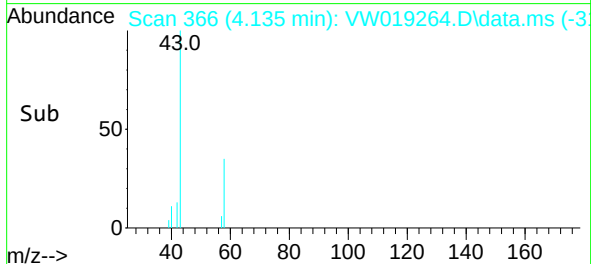
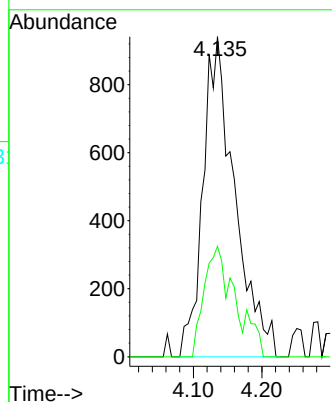
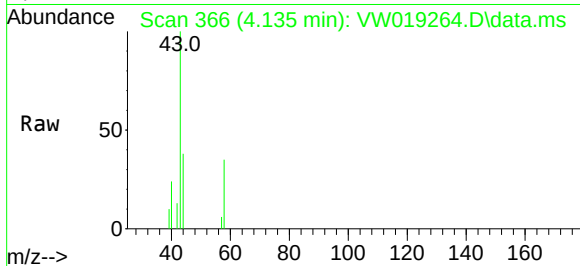




#16  
Acetone  
Concen: 4.476 ug/l  
RT: 4.135 min Scan# 366  
Delta R.T. 0.006 min  
Lab File: VW019264.D  
Acq: 22 Jun 2021 13:22

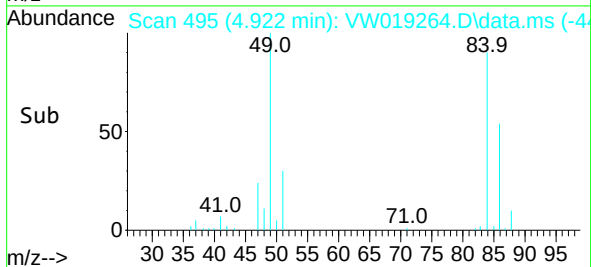
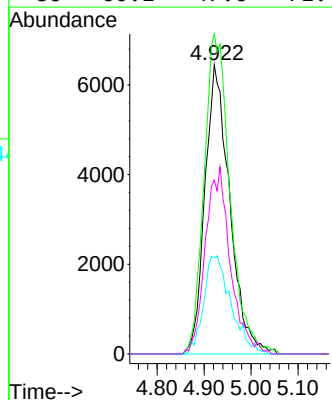
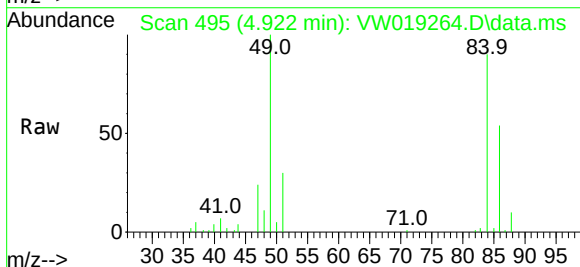
Instrument :  
MSVOA\_W  
ClientSampled :

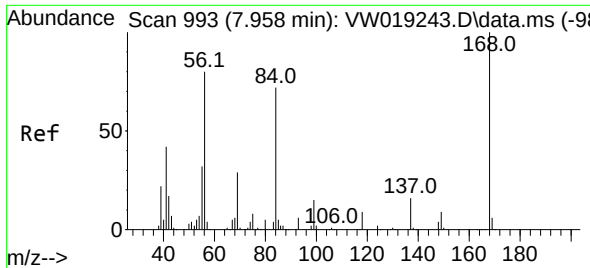
Tgt Ion: 43 Resp: 3032  
Ion Ratio Lower Upper  
43 100  
58 34.5 26.4 39.6



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.922 min Scan# 495  
Delta R.T. -0.006 min  
Lab File: VW019264.D  
Acq: 22 Jun 2021 13:22

Tgt Ion: 84 Resp: 23646  
Ion Ratio Lower Upper  
84 100  
49 110.7 90.4 135.6  
51 33.3 27.1 40.7  
86 60.1 47.6 71.4

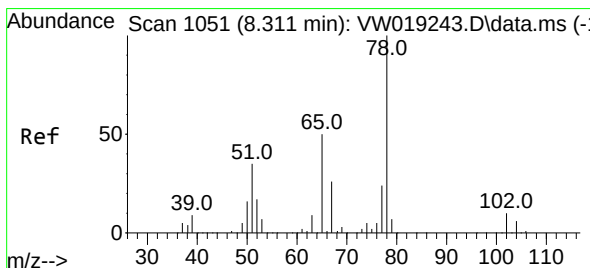
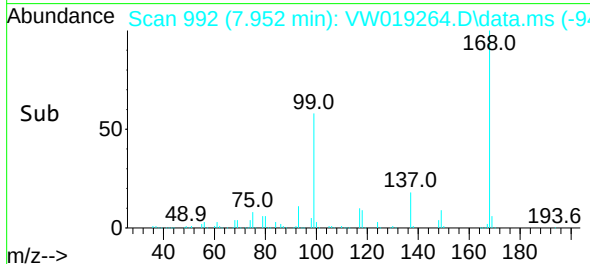
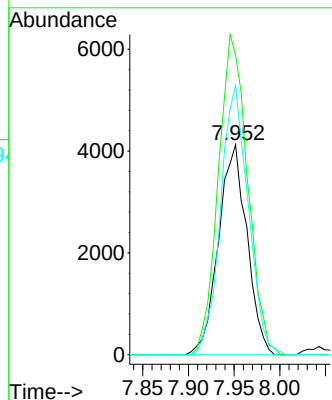
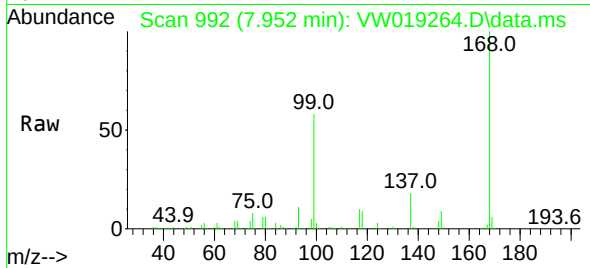




#31  
Cyclohexane  
Concen: 1.243 ug/l  
RT: 7.952 min Scan# 992  
Delta R.T. -0.006 min  
Lab File: VW019264.D  
Acq: 22 Jun 2021 13:22

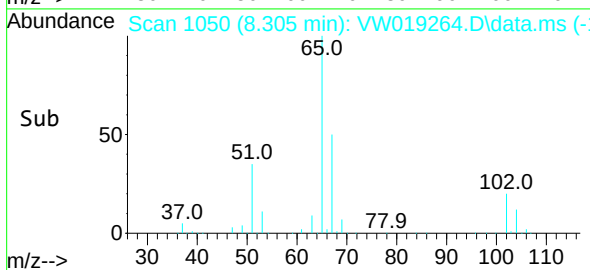
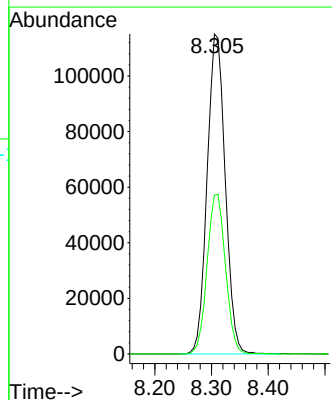
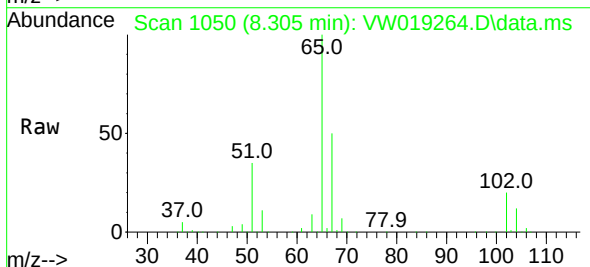
Instrument :  
MSVOA\_W  
ClientSampleId :

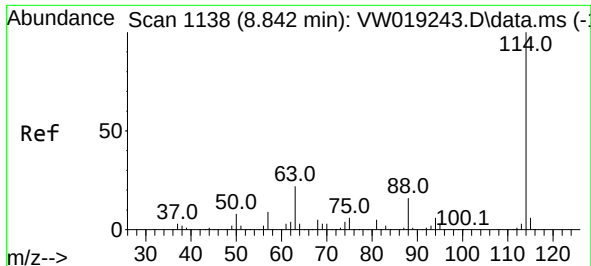
Tgt Ion: 56 Resp: 8918  
Ion Ratio Lower Upper  
56 100  
69 142.8 28.4 42.6#  
84 128.3 72.3 108.5#



#33  
1,2-Dichloroethane-d4  
Concen: 60.431 ug/l  
RT: 8.305 min Scan# 1050  
Delta R.T. -0.006 min  
Lab File: VW019264.D  
Acq: 22 Jun 2021 13:22

Tgt Ion: 65 Resp: 255044  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 104.0

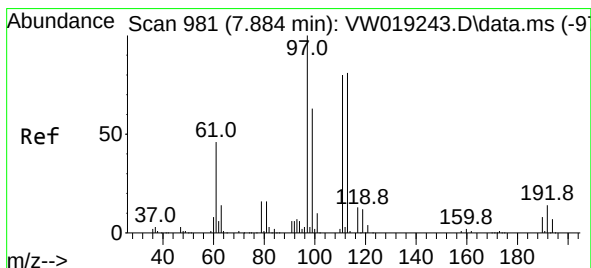
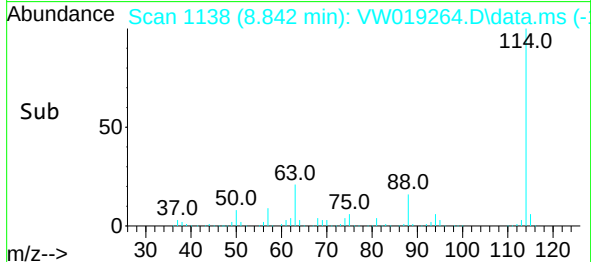
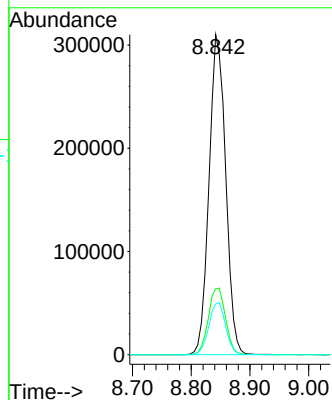
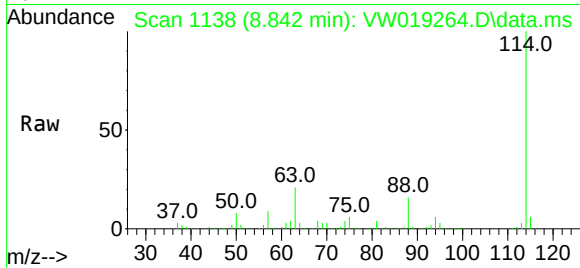




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.842 min Scan# 1138  
Delta R.T. -0.000 min  
Lab File: VW019264.D  
Acq: 22 Jun 2021 13:22

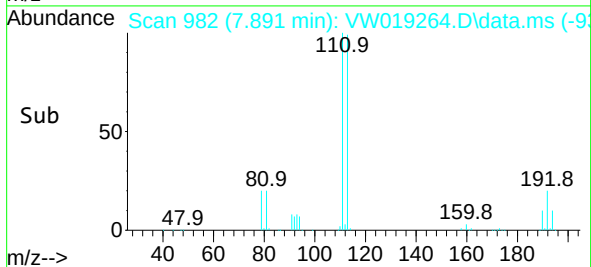
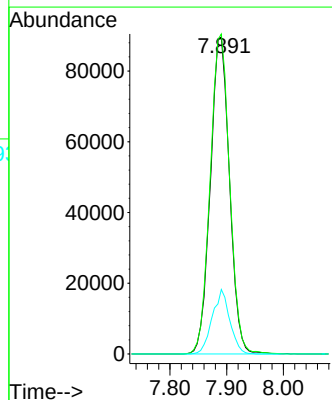
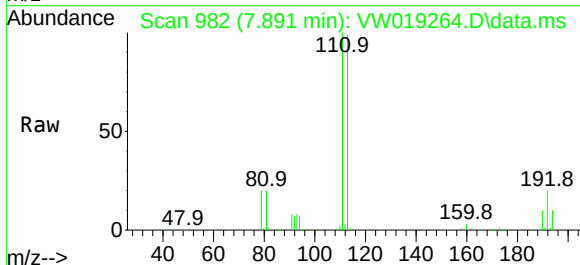
Instrument :  
MSVOA\_W  
ClientSampleId :

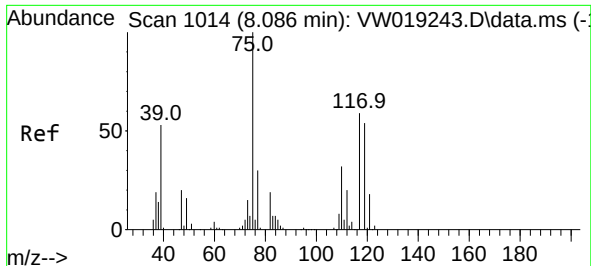
Tgt Ion:114 Resp: 610195  
Ion Ratio Lower Upper  
114 100  
63 20.6 0.0 42.4  
88 15.9 0.0 33.2



#35  
Dibromofluoromethane  
Concen: 54.048 ug/l  
RT: 7.891 min Scan# 982  
Delta R.T. 0.007 min  
Lab File: VW019264.D  
Acq: 22 Jun 2021 13:22

Tgt Ion:113 Resp: 210061  
Ion Ratio Lower Upper  
113 100  
111 102.7 82.3 123.5  
192 18.6 15.3 22.9





#36

1,1-Dichloropropene

Concen: 4.618 ug/l

RT: 7.952 min Scan# 992

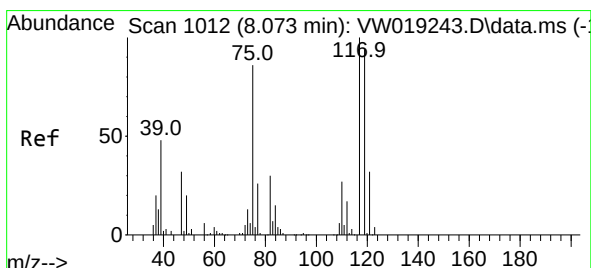
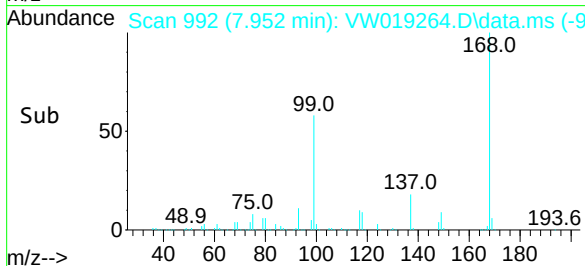
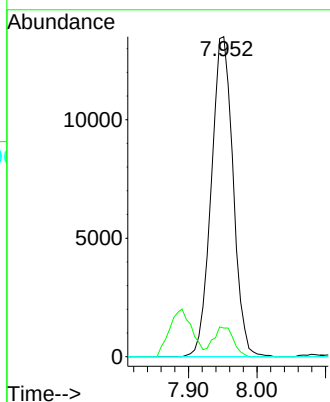
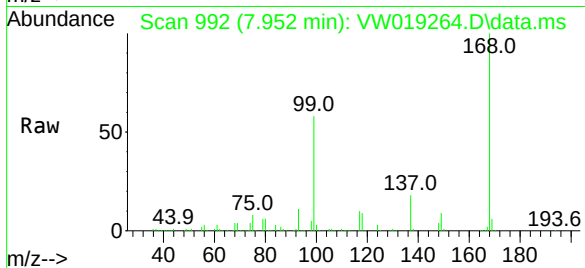
Delta R.T. -0.134 min

Lab File: VW019264.D

Acq: 22 Jun 2021 13:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 29821 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 8.7   | 17.1  | 51.2# |
| 77       | 0.0   | 25.3  | 37.9# |

Instrument :  
MSVOA\_W  
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.248 ug/l

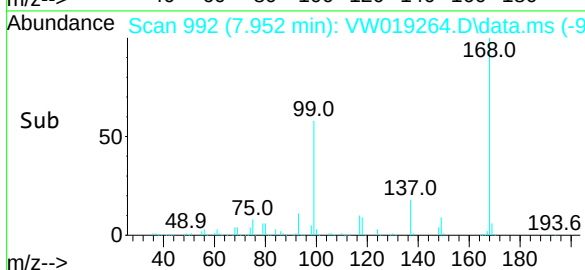
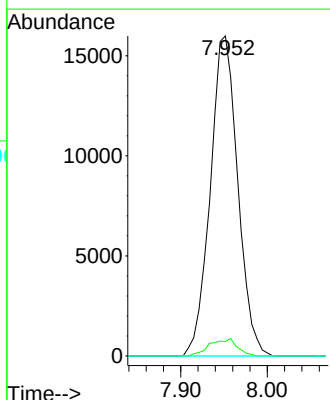
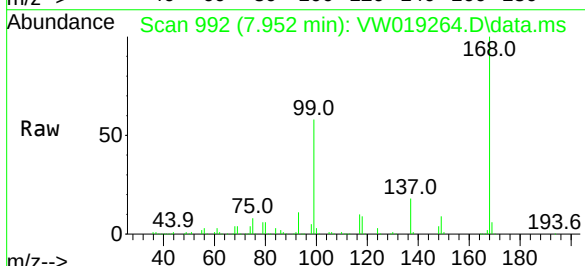
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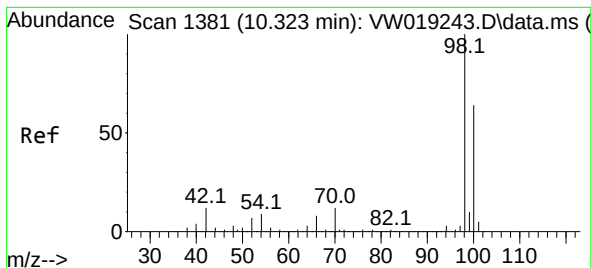
Delta R.T. -0.121 min

Lab File: VW019264.D

Acq: 22 Jun 2021 13:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 35273  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 4.5   | 77.4  | 116.0# |
| 121      | 0.0   | 23.6  | 35.4#  |

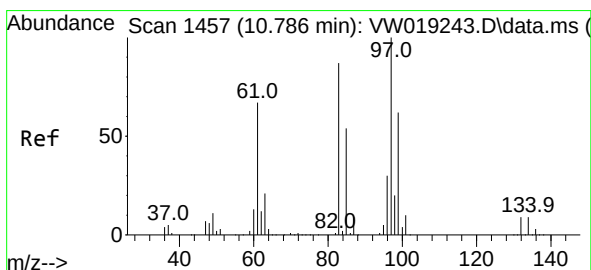
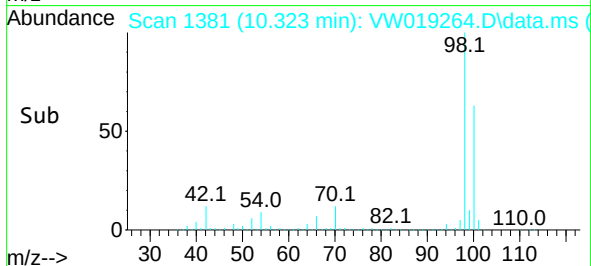
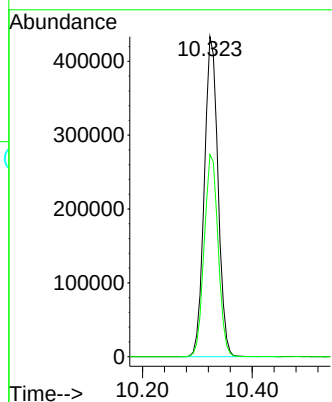
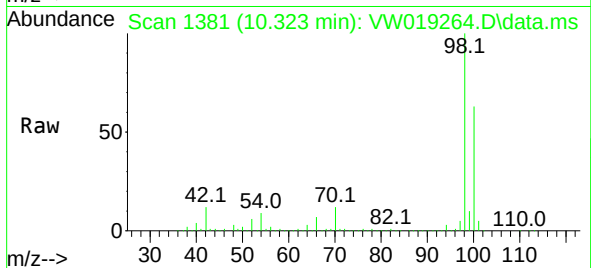




#50  
Toluene-d8  
Concen: 48.162 ug/l  
RT: 10.323 min Scan# 1381  
Delta R.T. 0.000 min  
Lab File: VW019264.D  
Acq: 22 Jun 2021 13:22

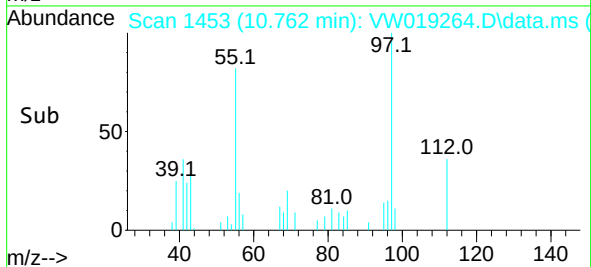
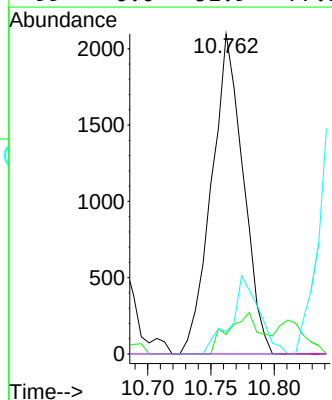
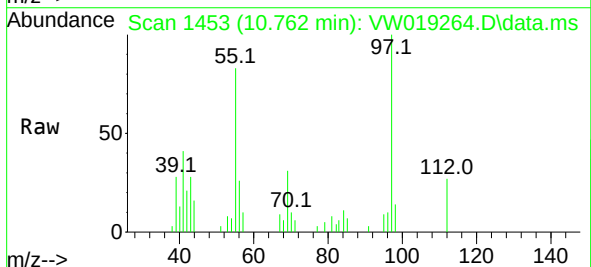
Instrument :  
MSVOA\_W  
ClientSampled :

Tgt Ion: 98 Resp: 749330  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.0 78.0

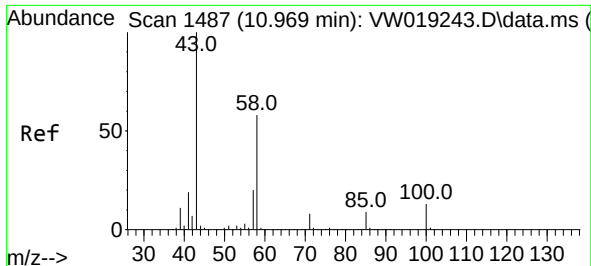


#55  
1,1,2-Trichloroethane  
Concen: 1.157 ug/l  
RT: 10.762 min Scan# 1453  
Delta R.T. -0.024 min  
Lab File: VW019264.D  
Acq: 22 Jun 2021 13:22

Tgt Ion: 97 Resp: 3637  
Ion Ratio Lower Upper  
97 100  
83 6.1 70.6 106.0#  
85 7.1 45.8 68.6#  
99 0.0 51.9 77.9#



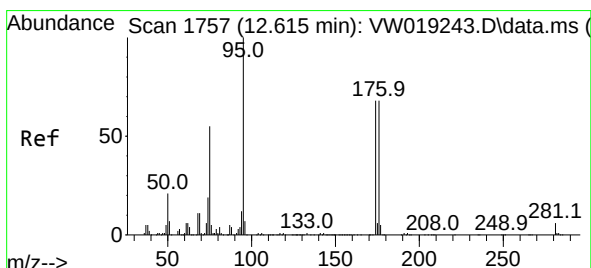
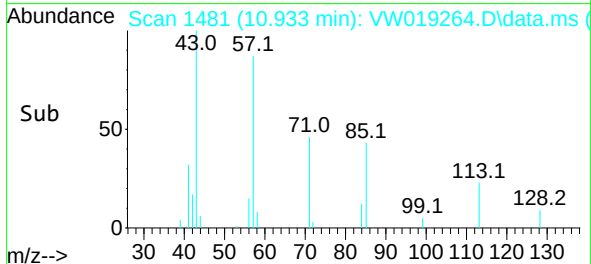
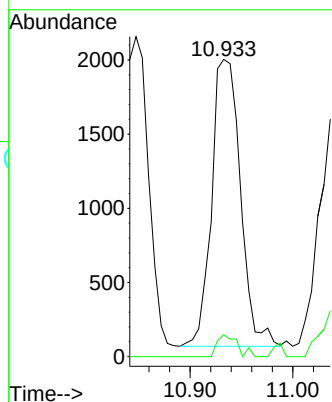
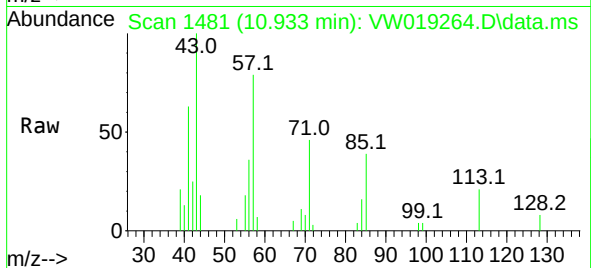




#59  
2-Hexanone  
Concen: 2.376 ug/l  
RT: 10.933 min Scan# 1481  
Delta R.T. -0.036 min  
Lab File: VW019264.D  
Acq: 22 Jun 2021 13:22

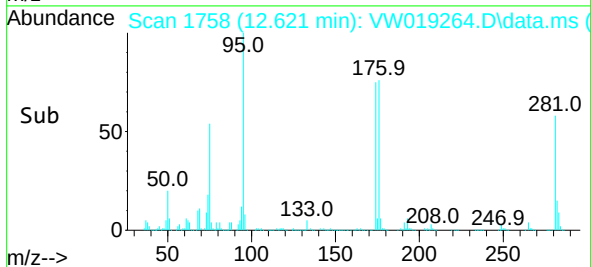
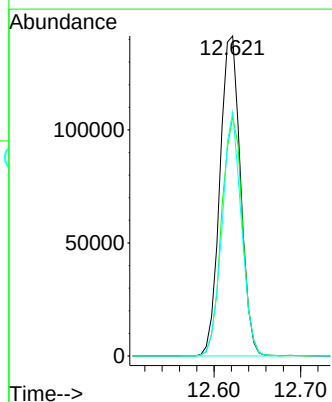
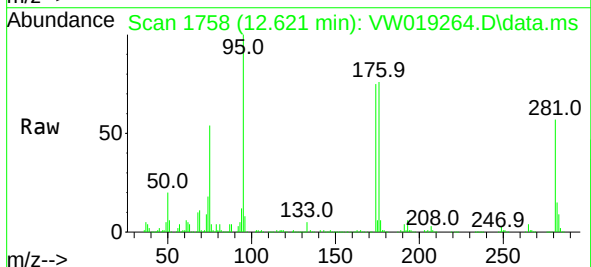
Instrument :  
MSVOA\_W  
ClientSampleId :

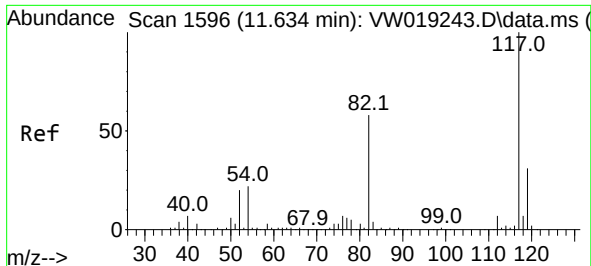
Tgt Ion: 43 Resp: 3756  
Ion Ratio Lower Upper  
43 100  
58 5.4 29.0 87.1#



#62  
4-Bromofluorobenzene  
Concen: 42.987 ug/l  
RT: 12.621 min Scan# 1758  
Delta R.T. 0.006 min  
Lab File: VW019264.D  
Acq: 22 Jun 2021 13:22

Tgt Ion: 95 Resp: 233915  
Ion Ratio Lower Upper  
95 100  
174 75.1 0.0 156.2  
176 71.9 0.0 160.8

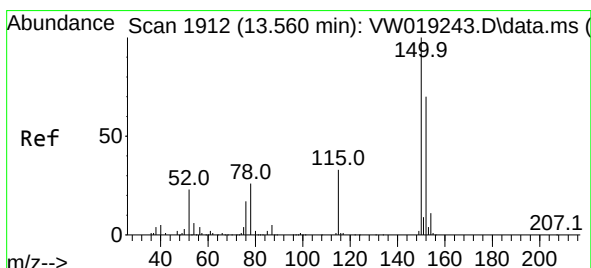
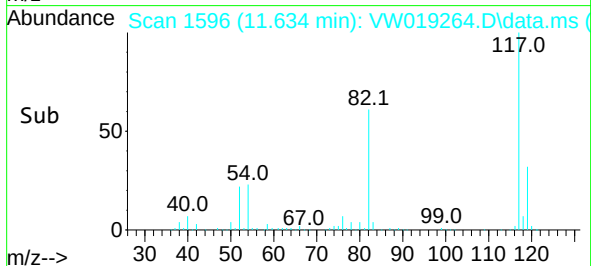
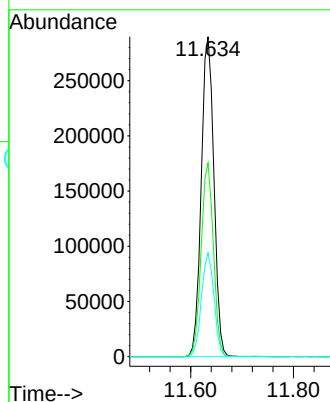
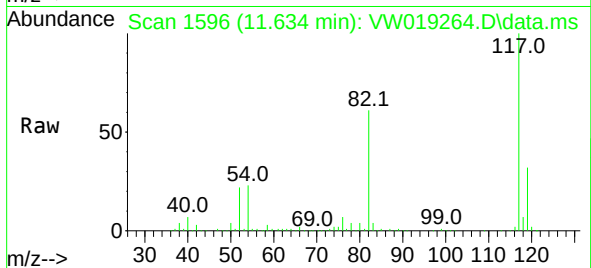




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.634 min Scan# 1596  
Delta R.T. -0.000 min  
Lab File: VW019264.D  
Acq: 22 Jun 2021 13:22

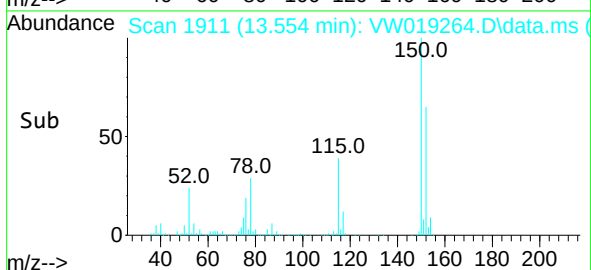
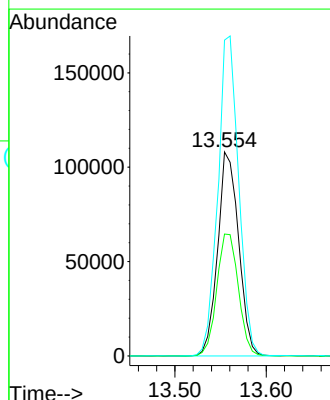
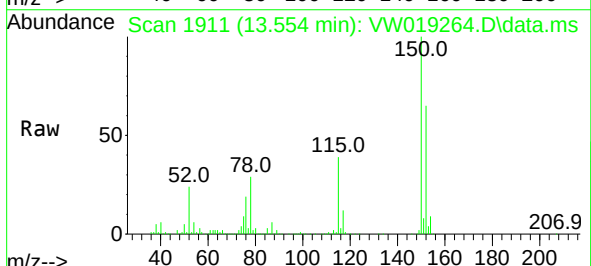
Instrument :  
MSVOA\_W  
ClientSampleId :

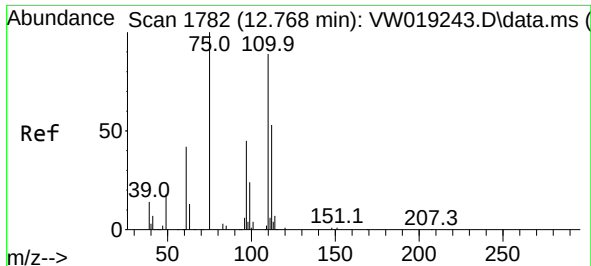
Tgt Ion:117 Resp: 494214  
Ion Ratio Lower Upper  
117 100  
82 60.5 44.4 66.6  
119 32.5 24.6 36.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.554 min Scan# 1911  
Delta R.T. -0.006 min  
Lab File: VW019264.D  
Acq: 22 Jun 2021 13:22

Tgt Ion:152 Resp: 172315  
Ion Ratio Lower Upper  
152 100  
115 61.7 30.3 90.8  
150 156.0 0.0 356.0

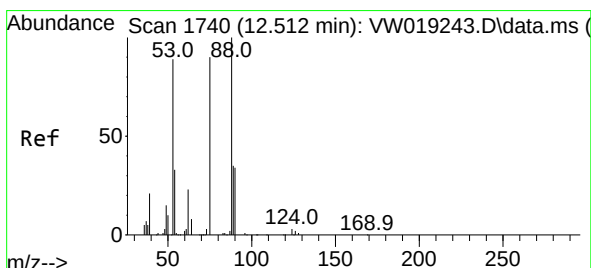
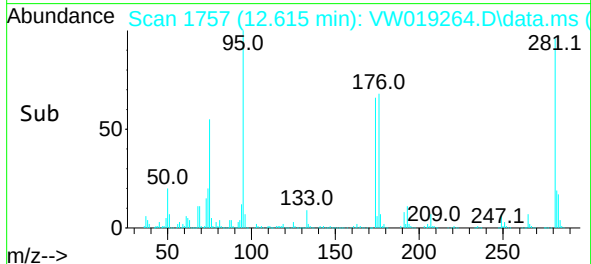
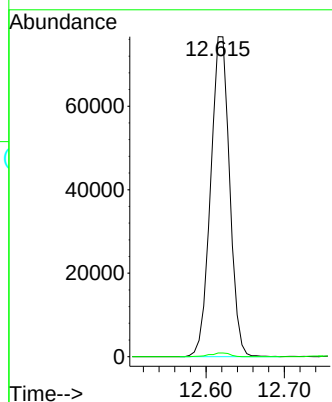
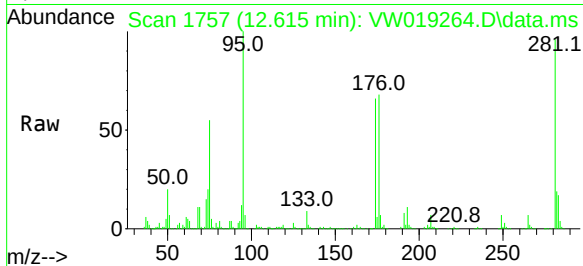




#76  
1,2,3-Trichloropropane  
Concen: 76.336 ug/l  
RT: 12.615 min Scan# 1757  
Delta R.T. -0.153 min  
Lab File: VW019264.D  
Acq: 22 Jun 2021 13:22

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion: 75 Resp: 128863  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 185.186 ug/l  
RT: 12.615 min Scan# 1757  
Delta R.T. 0.103 min  
Lab File: VW019264.D  
Acq: 22 Jun 2021 13:22

Tgt Ion: 75 Resp: 128863  
Ion Ratio Lower Upper  
75 100  
53 0.1 81.5 122.3#  
89 1.2 36.3 54.5#

