

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072021\  
 Data File : VW019513.D  
 Acq On : 20 Jul 2021 15:59  
 Operator : SY/VA  
 Sample : M3069-01  
 Misc : 5.04g/5.3mL/MSVOA\_W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 CL-01-071621

Quant Time: Jul 21 02:04:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W071921S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 20 04:37:55 2021  
 Response via : Initial Calibration

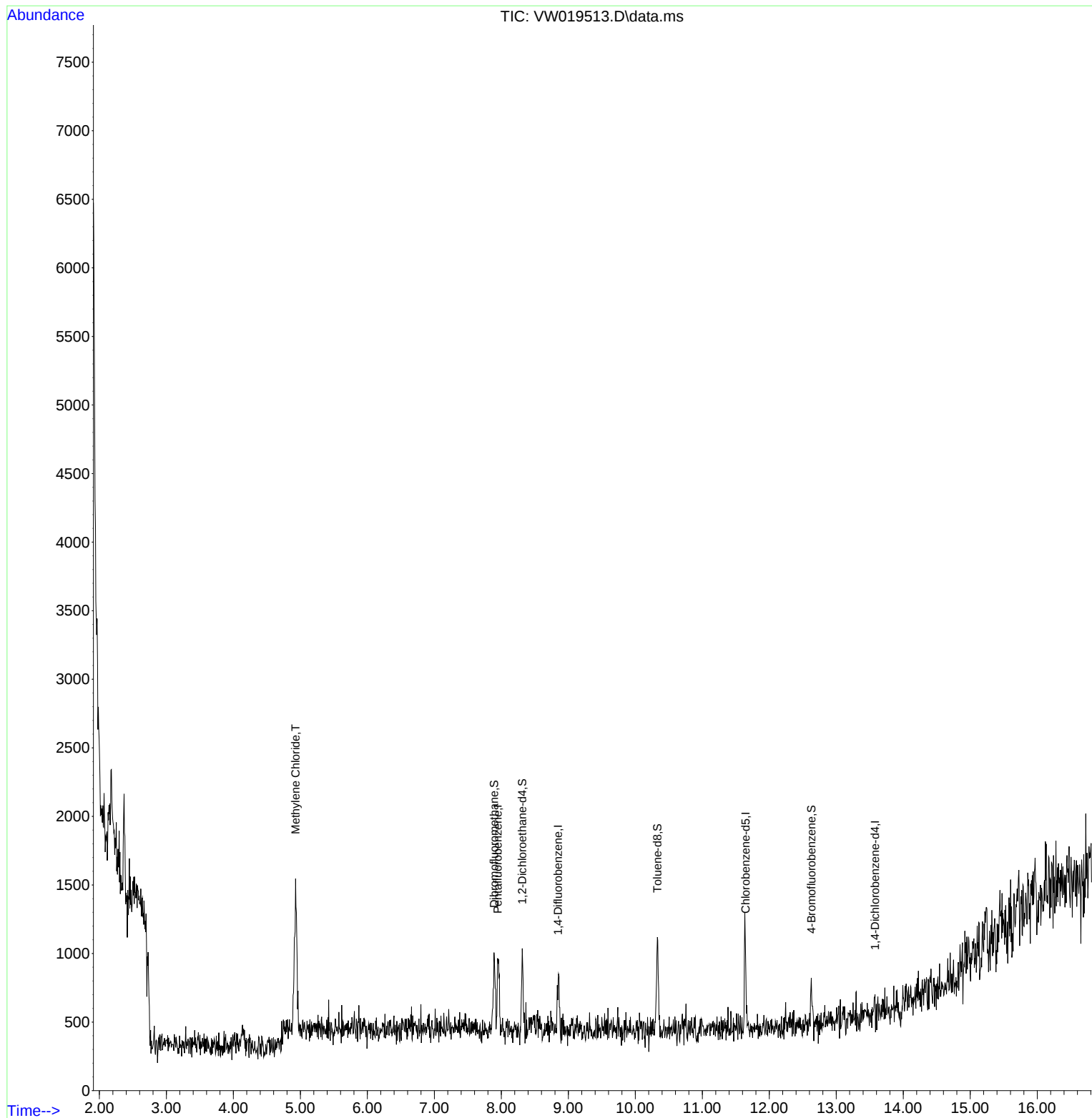
| Compound                    | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------------|-----------|
| -----                       |        |       |          |          |             |           |
| Internal Standards          |        |       |          |          |             |           |
| 1) Pentafluorobenzene       | 7.945  | 168   | 672      | 50.000   | ug/l        | # 0.00    |
| 34) 1,4-Difluorobenzene     | 8.848  | 114   | 700      | 50.000   | ug/l        | 0.00      |
| 63) Chlorobenzene-d5        | 11.646 | 117   | 525      | 50.000   | ug/l        | # 0.01    |
| 72) 1,4-Dichlorobenzene-d4  | 13.579 | 152   | 92       | 50.000   | ug/l        | # 0.02    |
| System Monitoring Compounds |        |       |          |          |             |           |
| 33) 1,2-Dichloroethane-d4   | 8.311  | 65    | 528      | 84.329   | ug/l        | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 168.660%# |           |
| 35) Dibromofluoromethane    | 7.891  | 113   | 560      | 130.942  | ug/l        | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 261.880%# |           |
| 50) Toluene-d8              | 10.329 | 98    | 773      | 46.683   | ug/l        | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 93.360%   |           |
| 62) 4-Bromofluorobenzene    | 12.628 | 95    | 255      | 41.055   | ug/l        | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 82.120%   |           |
| Target Compounds            |        |       |          |          |             |           |
| 20) Methylene Chloride      | 4.928  | 84    | 825      | 108.144  | ug/l        | Qvalue 98 |
| -----                       |        |       |          |          |             |           |

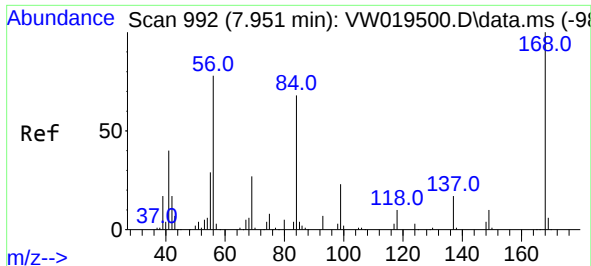
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
CL-01-071621

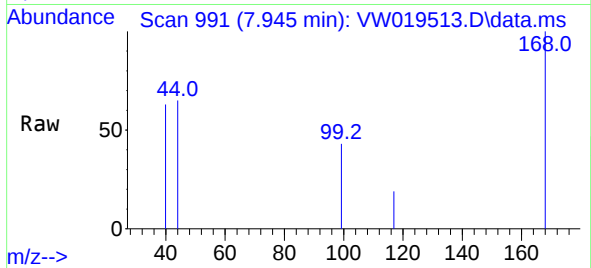
Quant Time: Jul 21 02:04:42 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W071921S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 20 04:37:55 2021  
Response via : Initial Calibration



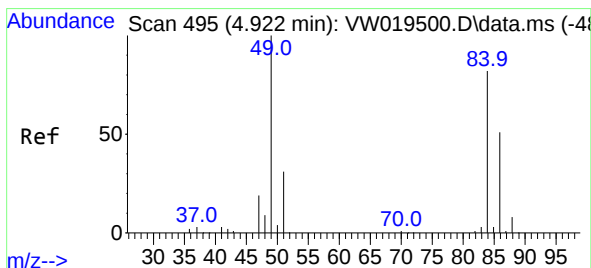
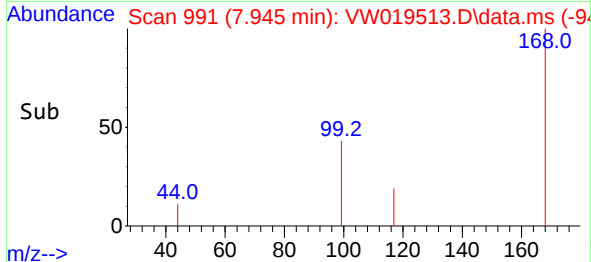
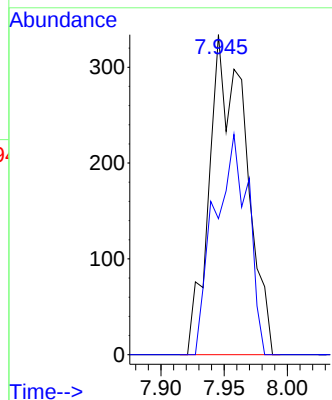


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.945 min Scan# 991  
Delta R.T. -0.006 min  
Lab File: VW019513.D  
Acq: 20 Jul 2021 15:59

Instrument :  
MSVOA\_W  
ClientSampleId :  
CL-01-071621

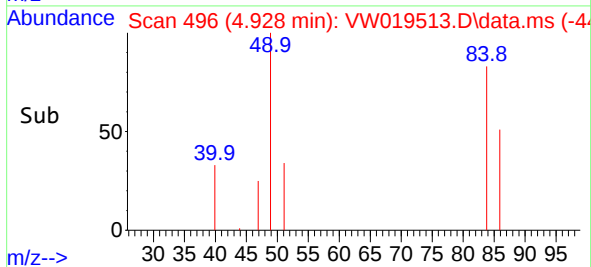
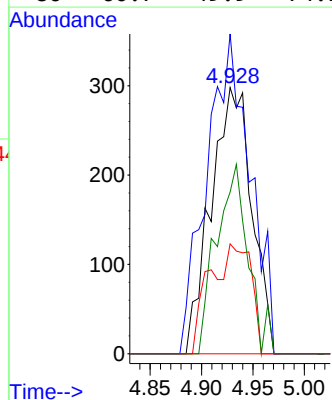
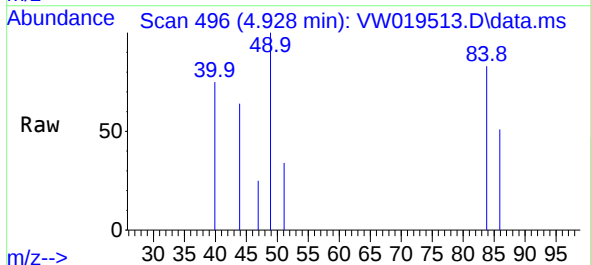


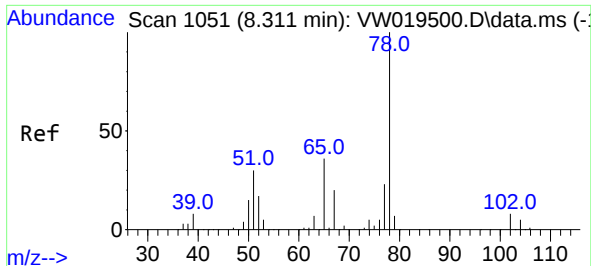
Tgt Ion:168 Resp: 672  
Ion Ratio Lower Upper  
168 100  
99 42.5 51.9 77.9#



#20  
Methylene Chloride  
Concen: 108.144 ug/l  
RT: 4.928 min Scan# 496  
Delta R.T. 0.006 min  
Lab File: VW019513.D  
Acq: 20 Jul 2021 15:59

Tgt Ion: 84 Resp: 825  
Ion Ratio Lower Upper  
84 100  
49 120.1 97.2 145.8  
51 41.3 30.1 45.1  
86 60.7 49.9 74.9

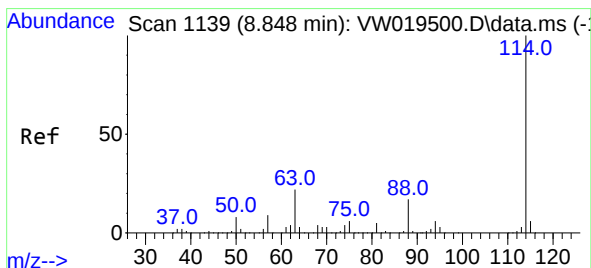
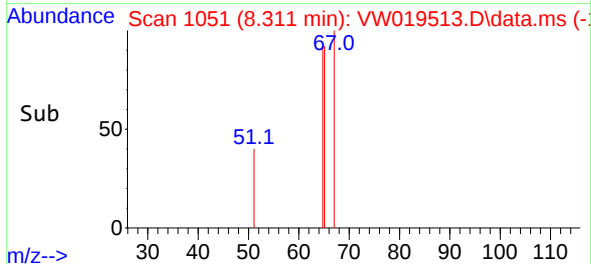
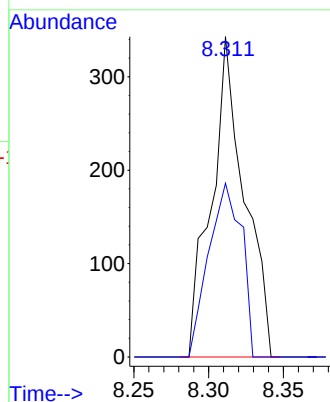
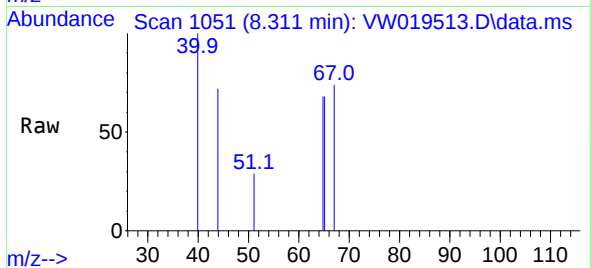




#33  
1,2-Dichloroethane-d4  
Concen: 84.329 ug/l  
RT: 8.311 min Scan# 1051  
Delta R.T. 0.000 min  
Lab File: VW019513.D  
Acq: 20 Jul 2021 15:59

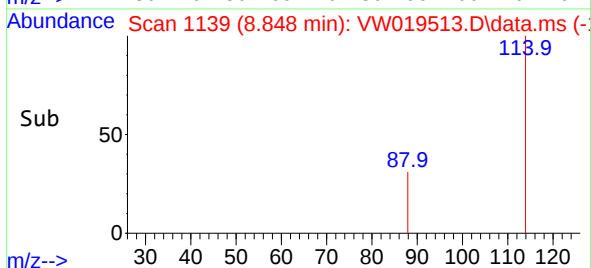
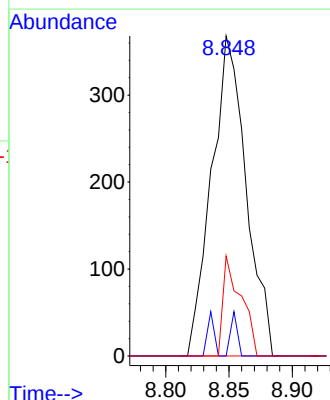
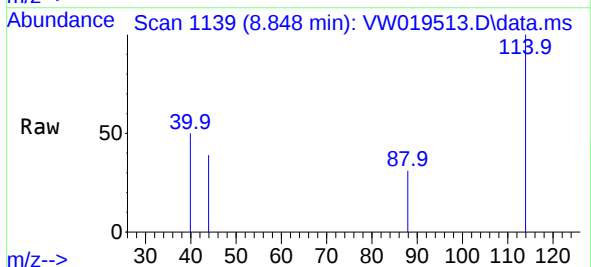
Instrument :  
MSVOA\_W  
ClientSampled :  
CL-01-071621

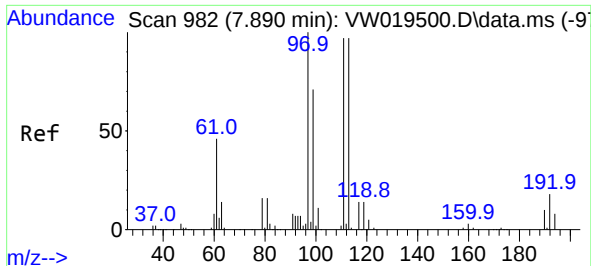
Tgt Ion: 65 Resp: 528  
Ion Ratio Lower Upper  
65 100  
67 53.8 0.0 107.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.848 min Scan# 1139  
Delta R.T. 0.000 min  
Lab File: VW019513.D  
Acq: 20 Jul 2021 15:59

Tgt Ion: 114 Resp: 700  
Ion Ratio Lower Upper  
114 100  
63 0.0 0.0 43.8  
88 31.3 0.0 33.4

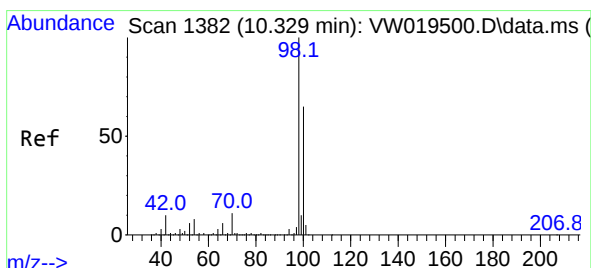
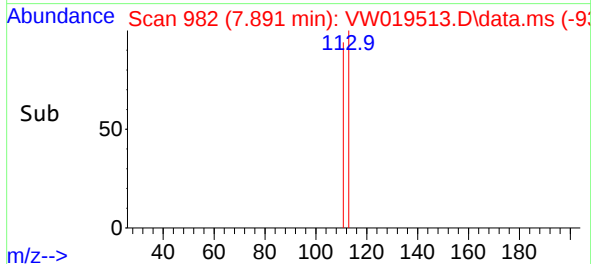
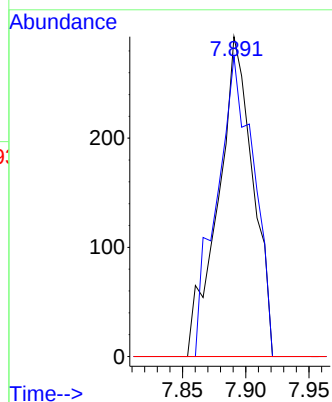
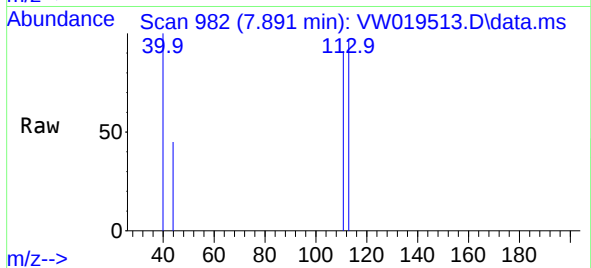




#35  
Dibromofluoromethane  
Concen: 130.942 ug/l  
RT: 7.891 min Scan# 982  
Delta R.T. 0.001 min  
Lab File: VW019513.D  
Acq: 20 Jul 2021 15:59

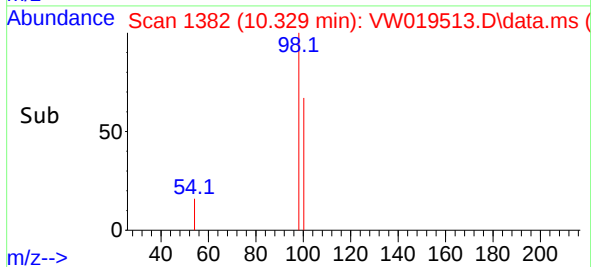
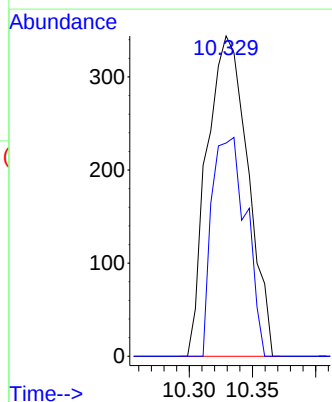
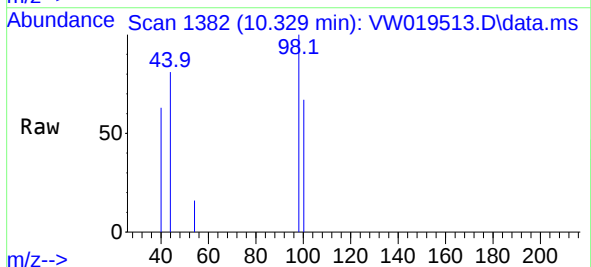
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ClientSampleId :  
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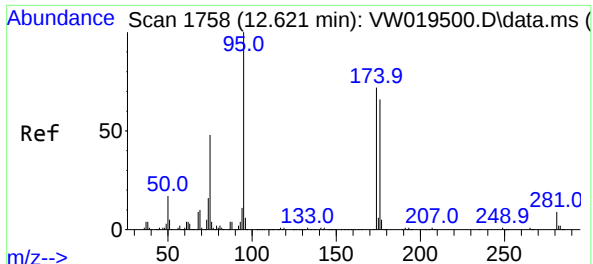
Tgt Ion:113 Resp: 560  
Ion Ratio Lower Upper  
113 100  
111 99.8 83.8 125.6  
192 0.0 15.4 23.2#



#50  
Toluene-d8  
Concen: 46.683 ug/l  
RT: 10.329 min Scan# 1382  
Delta R.T. 0.000 min  
Lab File: VW019513.D  
Acq: 20 Jul 2021 15:59

Tgt Ion: 98 Resp: 773  
Ion Ratio Lower Upper  
98 100  
100 57.3 52.2 78.4

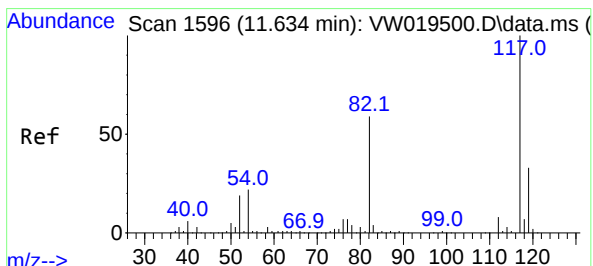
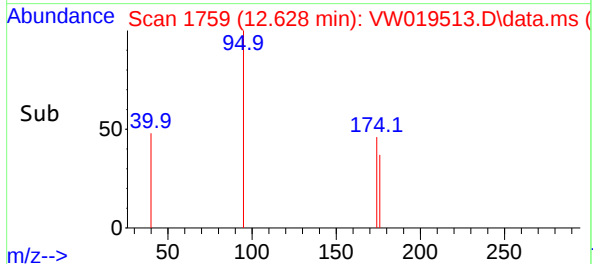
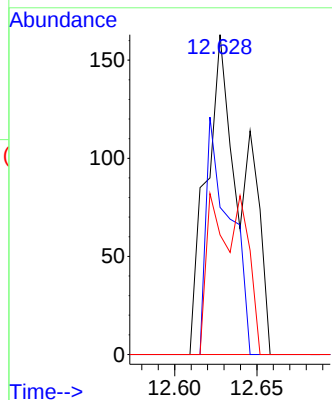
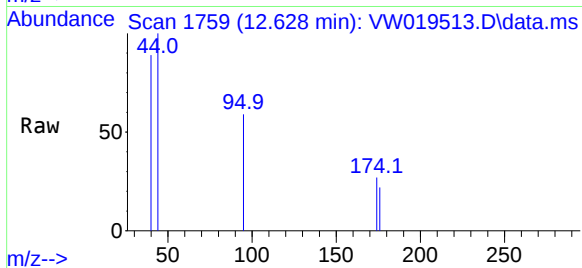




#62  
4-Bromofluorobenzene  
Concen: 41.055 ug/l  
RT: 12.628 min Scan# 1759  
Delta R.T. 0.007 min  
Lab File: VW019513.D  
Acq: 20 Jul 2021 15:59

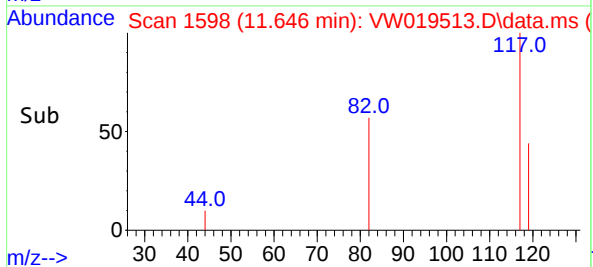
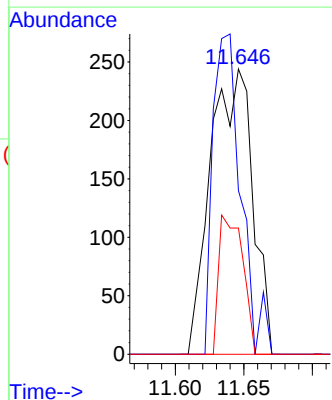
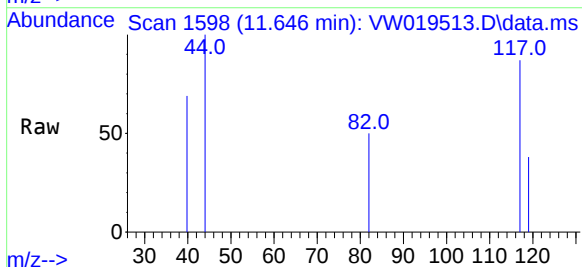
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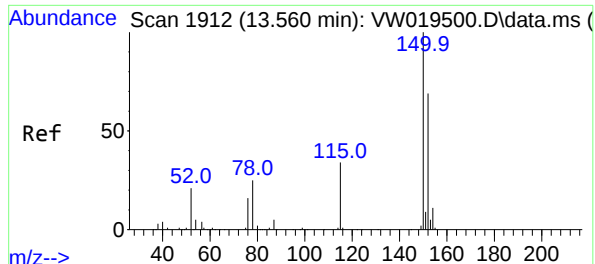
|             |             |
|-------------|-------------|
| Tgt Ion: 95 | Resp: 255   |
| Ion Ratio   | Lower Upper |
| 95 100      |             |
| 174 47.5    | 0.0 146.6   |
| 176 47.1    | 0.0 136.8   |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.646 min Scan# 1598  
Delta R.T. 0.012 min  
Lab File: VW019513.D  
Acq: 20 Jul 2021 15:59

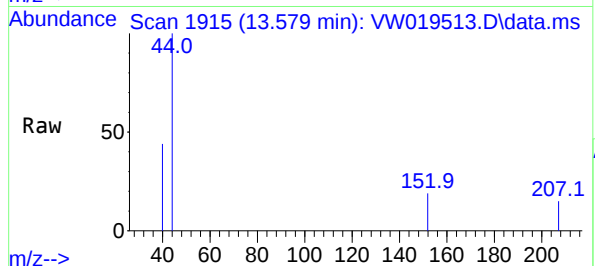
|             |       |       |  |
|-------------|-------|-------|--|
| Tgt Ion:117 | Resp: | 525   |  |
| Ion Ratio   | Lower | Upper |  |
| 117 100     |       |       |  |
| 82 57.4     | 47.4  | 71.0  |  |
| 119 44.3    | 26.6  | 39.8# |  |





1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.579 min Scan# 1915  
 Delta R.T. 0.018 min  
 Lab File: VW019513.D  
 Acq: 20 Jul 2021 15:59

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 CL-01-071621



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 92    |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 0.0   | 30.6  | 91.8# |
| 150      | 139.1 | 0.0   | 342.4 |

