

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051724\  
 Data File : VY018301.D  
 Acq On : 17 May 2024 12:17  
 Operator : SY/MD  
 Sample : VY0517SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0517SBL01

Quant Time: May 18 00:46:28 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050724S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 08 01:40:14 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 144441   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 286818   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 252134   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 88635    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 76103    | 71.619   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 143.240% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 85810    | 56.927   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 113.860% |
| 50) Toluene-d8              | 10.179 | 98    | 329218   | 55.424   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 110.840% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 95837    | 49.961   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 99.920%  |

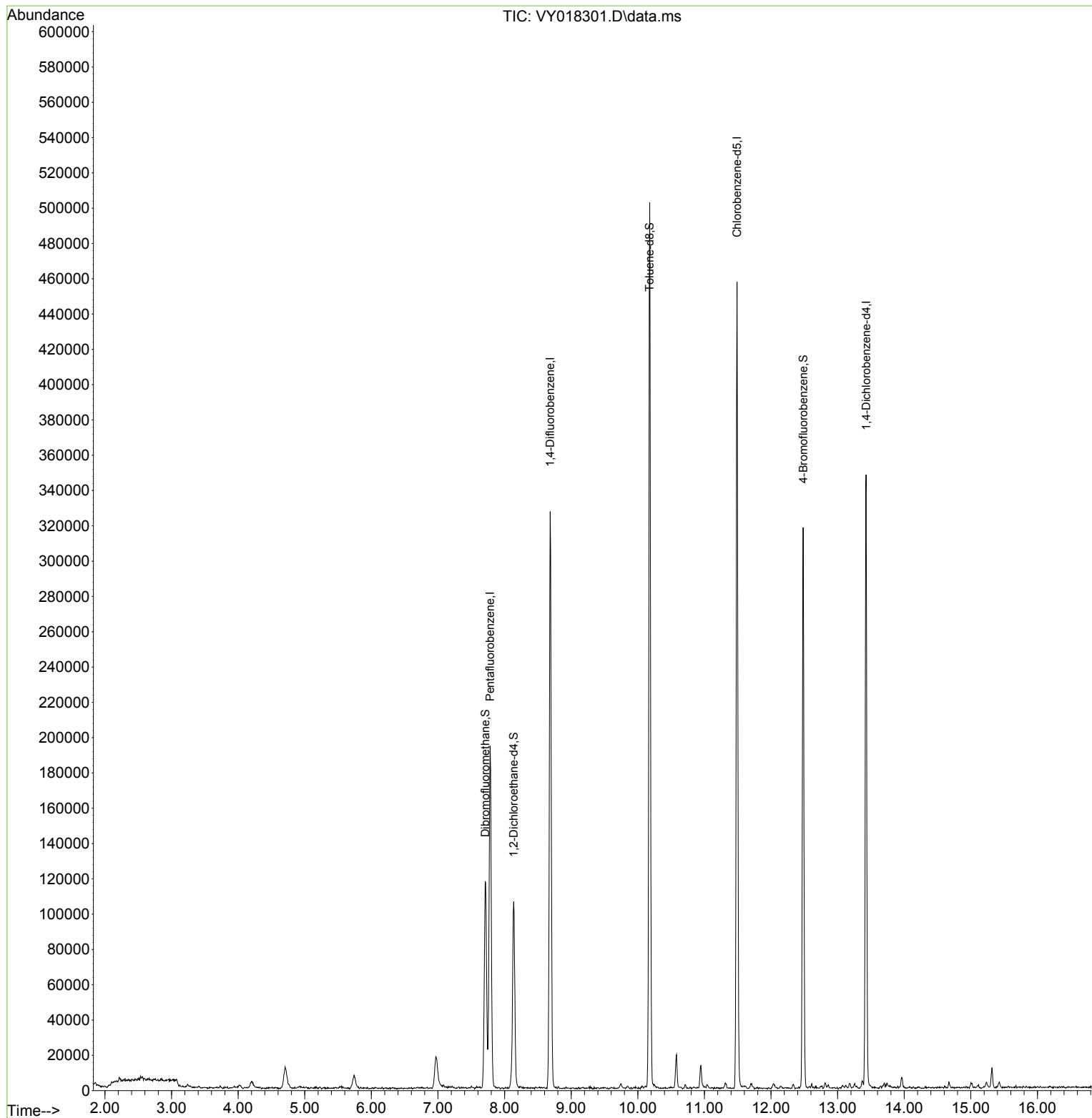
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

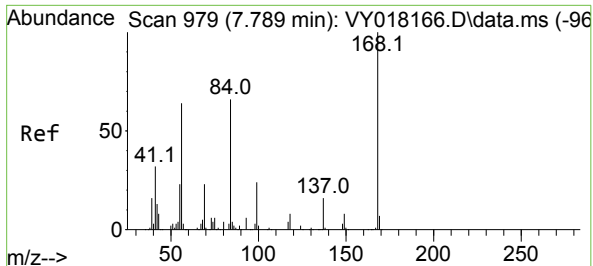
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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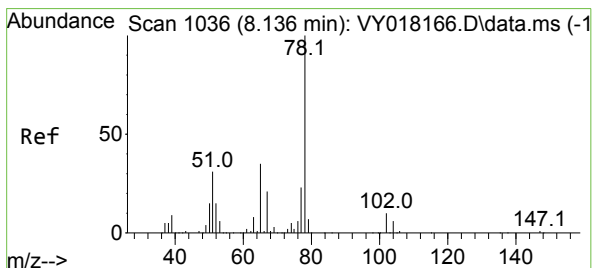
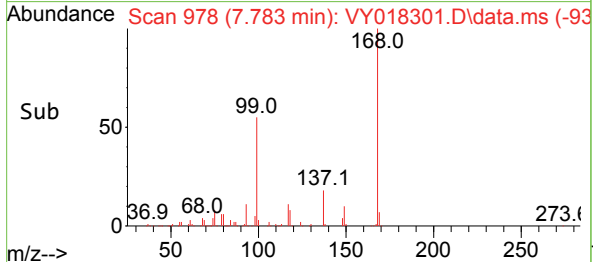
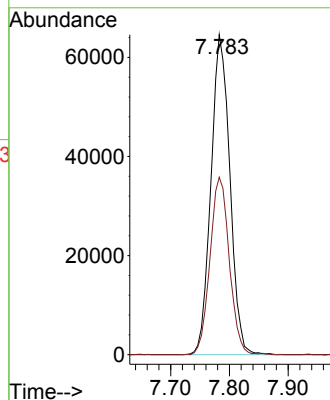
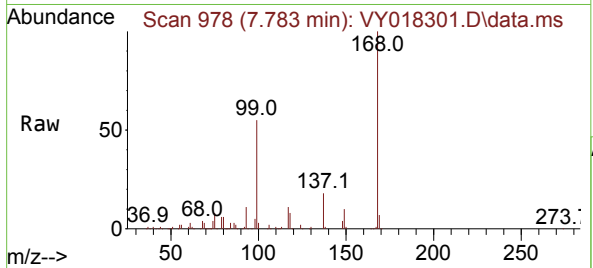




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY018301.D  
Acq: 17 May 2024 12:17

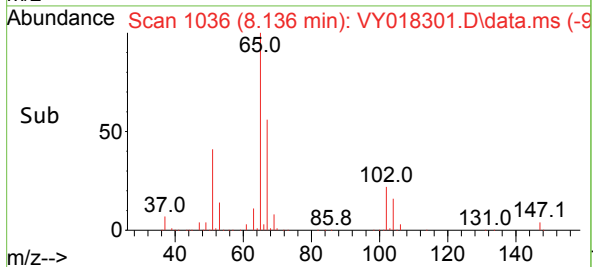
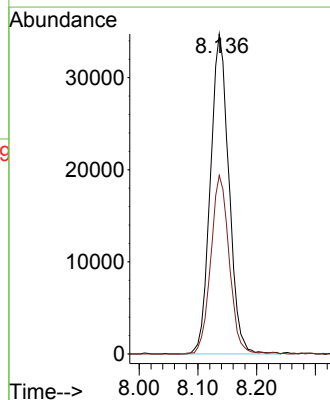
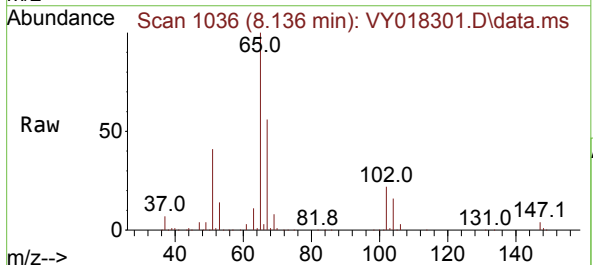
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0517SBL01

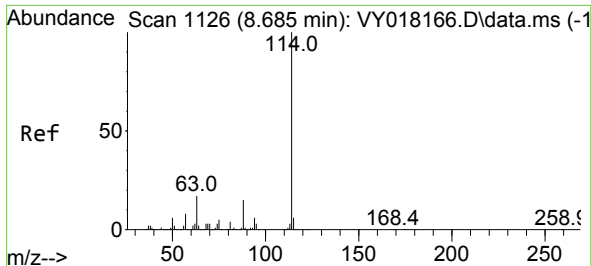
Tgt Ion:168 Resp: 144441  
Ion Ratio Lower Upper  
168 100  
99 55.4 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 71.619 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VY018301.D  
Acq: 17 May 2024 12:17

Tgt Ion: 65 Resp: 76103  
Ion Ratio Lower Upper  
65 100  
67 55.3 0.0 109.6

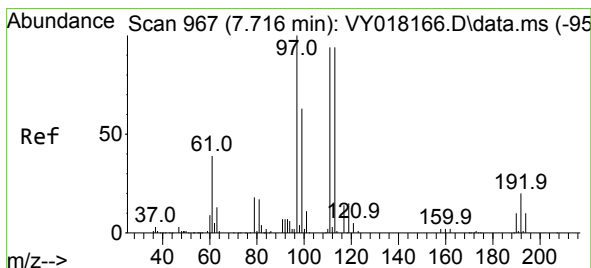
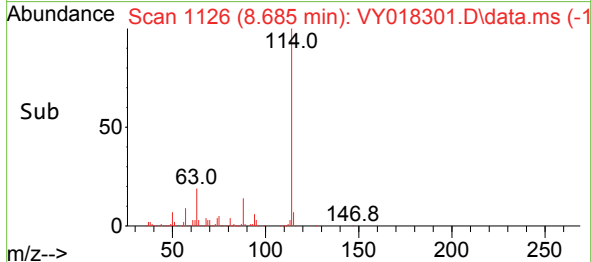
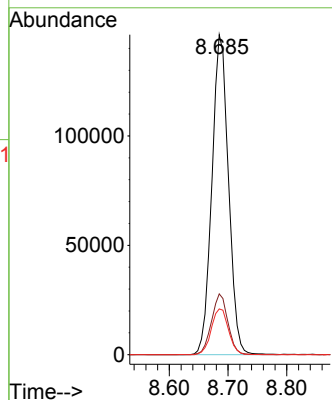
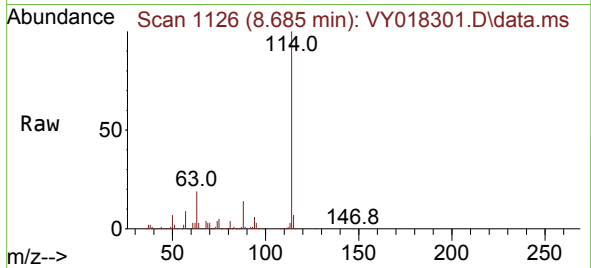




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VY018301.D  
Acq: 17 May 2024 12:17

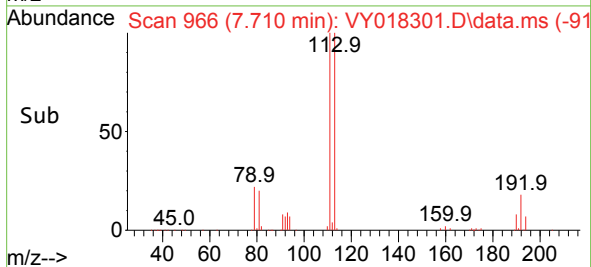
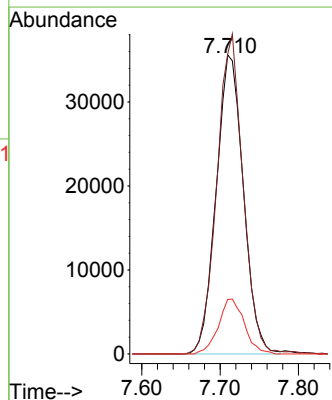
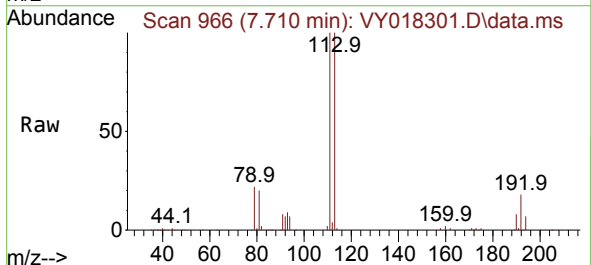
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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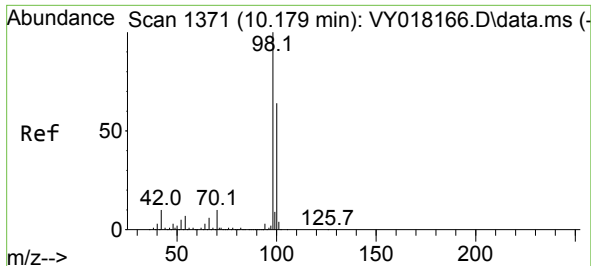
Tgt Ion:114 Resp: 286818  
Ion Ratio Lower Upper  
114 100  
63 19.0 0.0 35.0  
88 14.3 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 56.927 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. -0.006 min  
Lab File: VY018301.D  
Acq: 17 May 2024 12:17

Tgt Ion:113 Resp: 85810  
Ion Ratio Lower Upper  
113 100  
111 103.0 82.2 123.4  
192 17.5 15.9 23.9

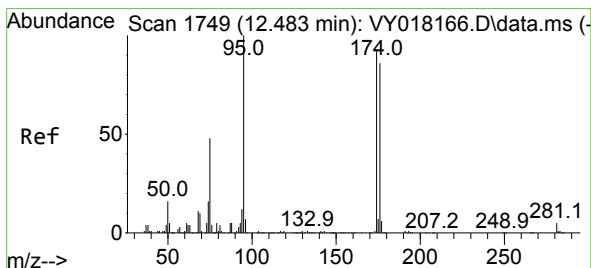
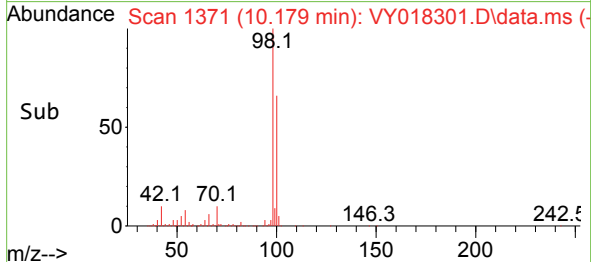
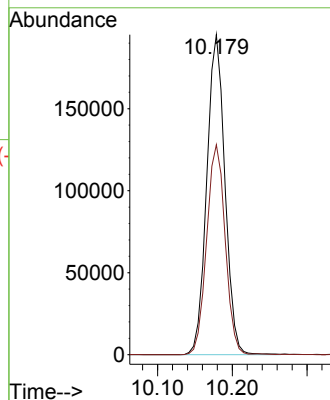
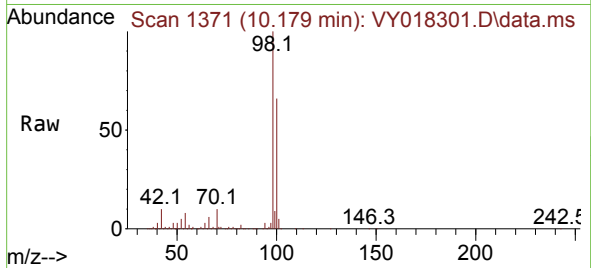




#50  
Toluene-d8  
Concen: 55.424 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY018301.D  
Acq: 17 May 2024 12:17

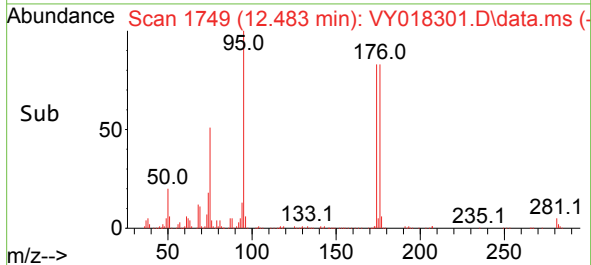
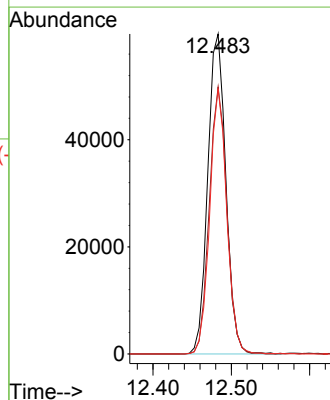
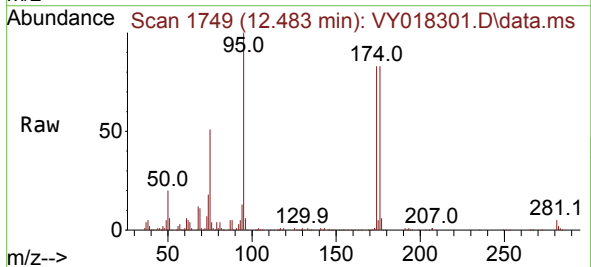
Instrument :  
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VY0517SBL01

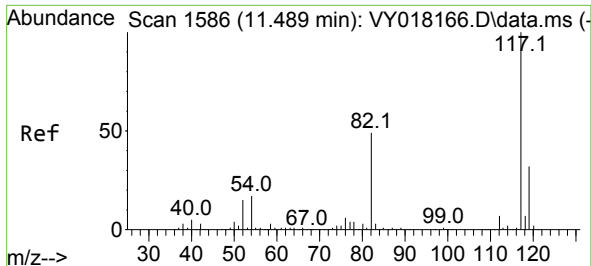
Tgt Ion: 98 Resp: 329218  
Ion Ratio Lower Upper  
98 100  
100 67.0 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 49.961 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY018301.D  
Acq: 17 May 2024 12:17

Tgt Ion: 95 Resp: 95837  
Ion Ratio Lower Upper  
95 100  
174 81.2 0.0 175.6  
176 78.1 0.0 171.4

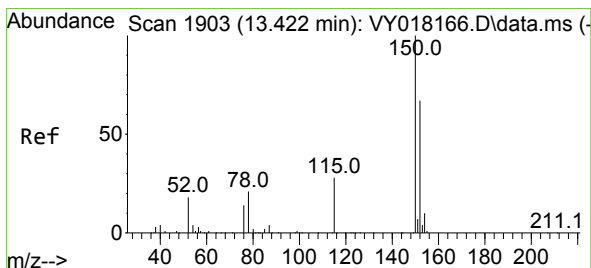
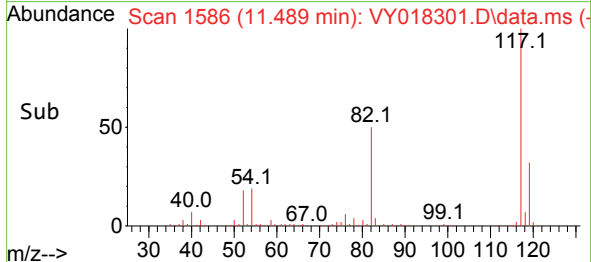
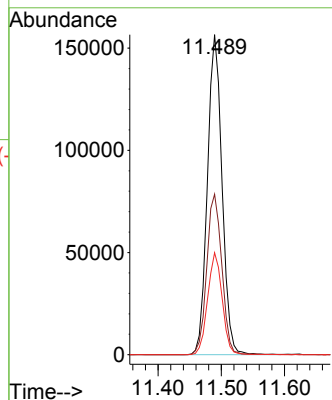
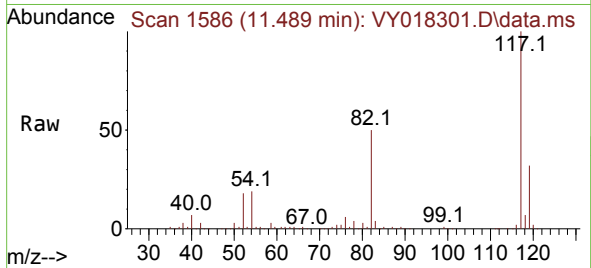




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY018301.D  
Acq: 17 May 2024 12:17

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0517SBL01

Tgt Ion:117 Resp: 252134  
Ion Ratio Lower Upper  
117 100  
82 50.1 42.4 63.6  
119 31.8 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY018301.D  
Acq: 17 May 2024 12:17

Tgt Ion:152 Resp: 88635  
Ion Ratio Lower Upper  
152 100  
115 59.7 28.2 84.7  
150 157.2 0.0 345.6

