

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042023\  
 Data File : VY013377.D  
 Acq On : 20 Apr 2023 18:44  
 Operator : KP/MD  
 Sample : 02406-05  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-14-8.0-8.5

Quant Time: Apr 21 02:16:19 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041223S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 13 05:55:16 2023  
 Response via : Initial Calibration

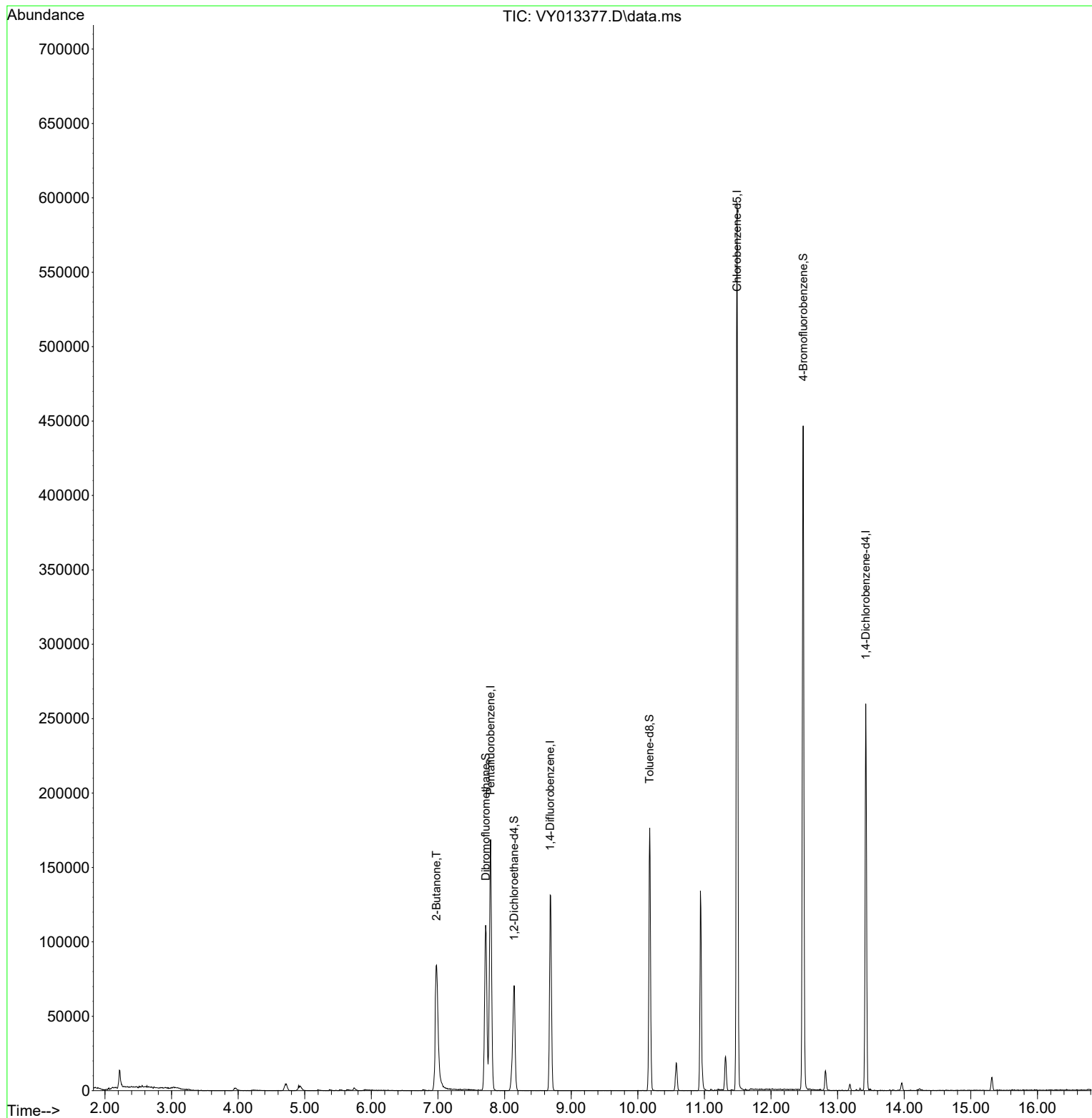
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|-------|-------------|
| -----                       |        |       |          |          |       |             |
| Internal Standards          |        |       |          |          |       |             |
| 1) Pentafluorobenzene       | 7.789  | 168   | 129105   | 50.000   | ug/l  | 0.00        |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 98902    | 50.000   | ug/l  | 0.00        |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 306317   | 50.000   | ug/l  | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 64390    | 50.000   | ug/l  | 0.00        |
| System Monitoring Compounds |        |       |          |          |       |             |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 62612    | 40.355   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 80.700%     |
| 35) Dibromofluoromethane    | 7.716  | 113   | 72745    | 113.614  | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 227.220%#   |
| 50) Toluene-d8              | 10.179 | 98    | 102434   | 42.981   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 85.960%     |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 122377   | 158.038  | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 316.080%#   |
| Target Compounds            |        |       |          |          |       |             |
| 25) 2-Butanone              | 6.978  | 43    | 5081     | 7.439    | ug/l  | Qvalue # 87 |
| -----                       |        |       |          |          |       |             |

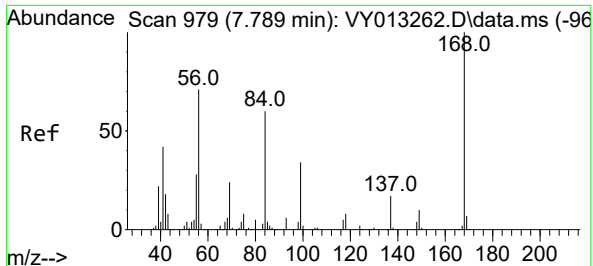
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-14-8.0-8.5

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Quant Title : SW846 8260  
QLast Update : Thu Apr 13 05:55:16 2023  
Response via : Initial Calibration

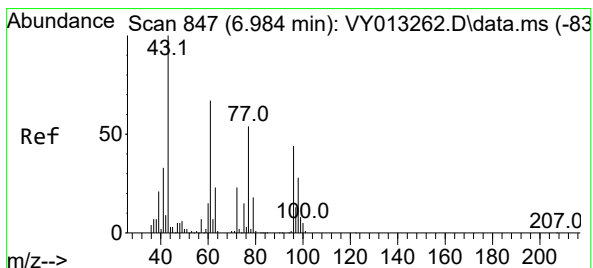
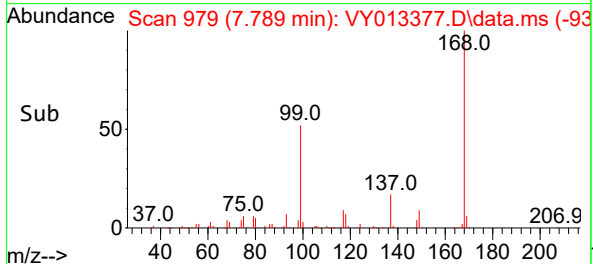
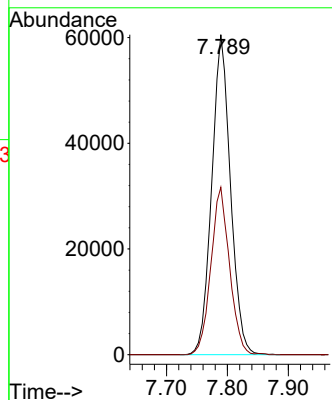
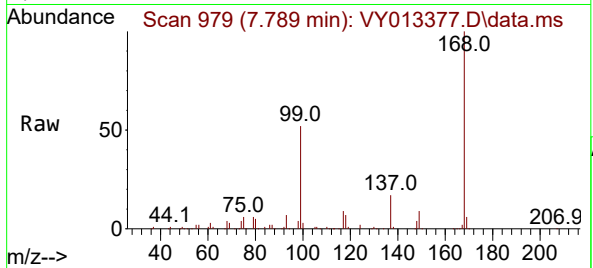




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY013377.D  
Acq: 20 Apr 2023 18:44

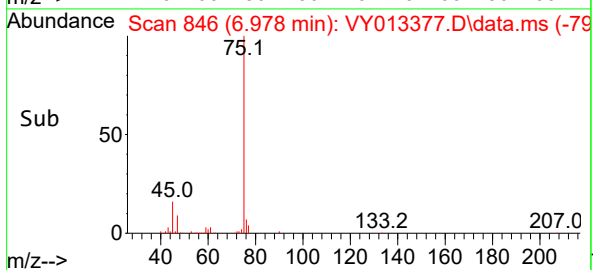
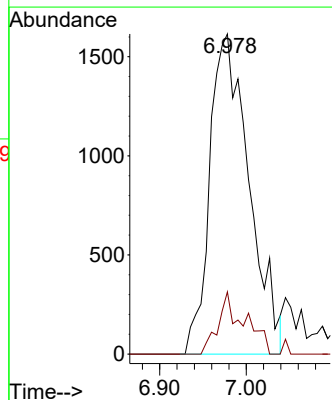
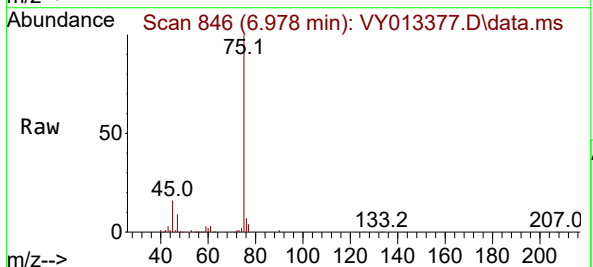
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-14-8.0-8.5

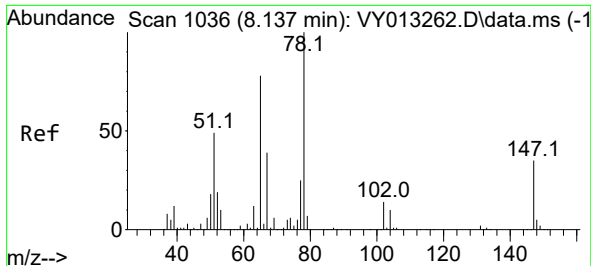
Tgt Ion:168 Resp: 129105  
Ion Ratio Lower Upper  
168 100  
99 52.3 41.7 62.5



#25  
2-Butanone  
Concen: 7.439 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. -0.006 min  
Lab File: VY013377.D  
Acq: 20 Apr 2023 18:44

Tgt Ion: 43 Resp: 5081  
Ion Ratio Lower Upper  
43 100  
72 19.4 21.0 31.4#

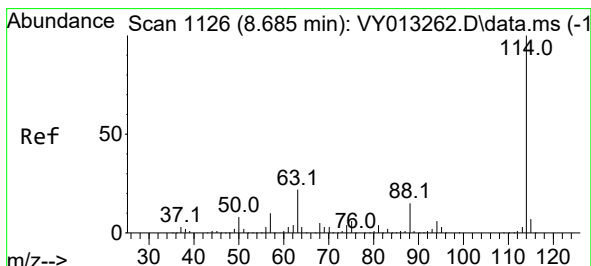
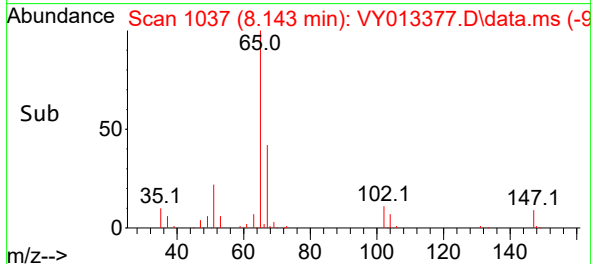
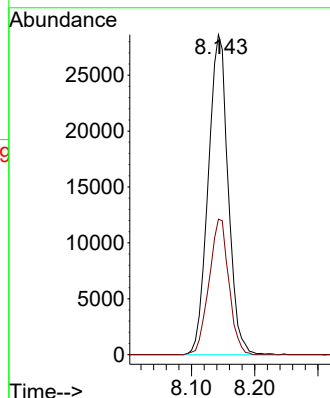
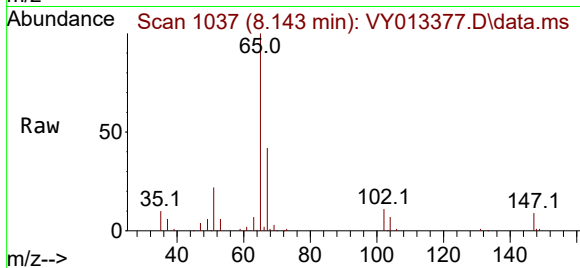




#33  
 1,2-Dichloroethane-d4  
 Concen: 40.355 ug/l  
 RT: 8.143 min Scan# 1037  
 Delta R.T. 0.006 min  
 Lab File: VY013377.D  
 Acq: 20 Apr 2023 18:44

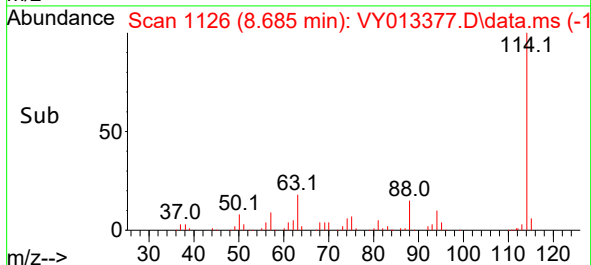
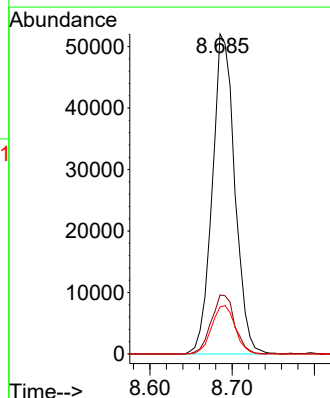
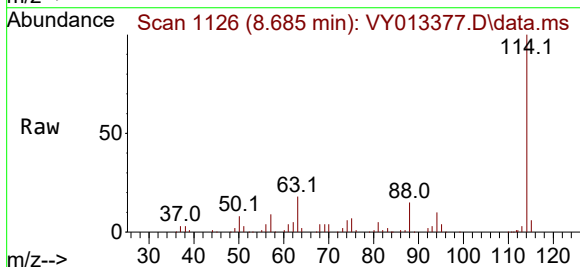
Instrument :  
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 ClientSampleId :  
 SB-14-8.0-8.5

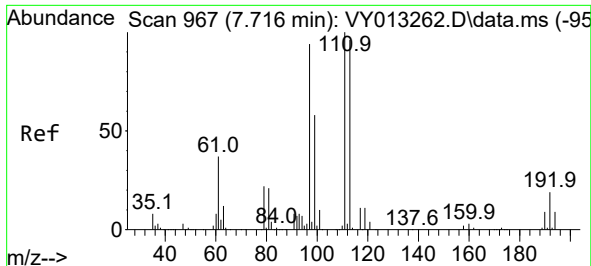
Tgt Ion: 65 Resp: 62612  
 Ion Ratio Lower Upper  
 65 100  
 67 42.1 0.0 104.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.685 min Scan# 1126  
 Delta R.T. -0.000 min  
 Lab File: VY013377.D  
 Acq: 20 Apr 2023 18:44

Tgt Ion: 114 Resp: 98902  
 Ion Ratio Lower Upper  
 114 100  
 63 18.4 0.0 37.4  
 88 14.6 0.0 28.6

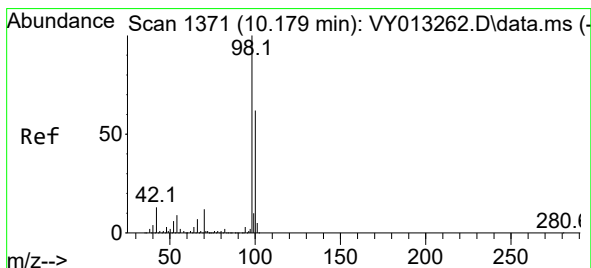
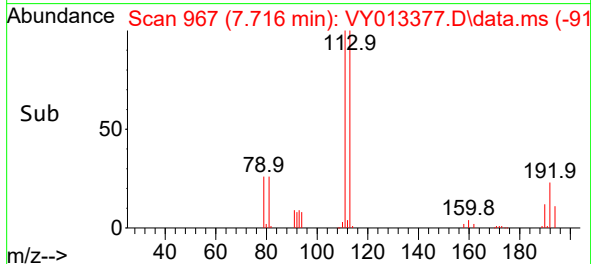
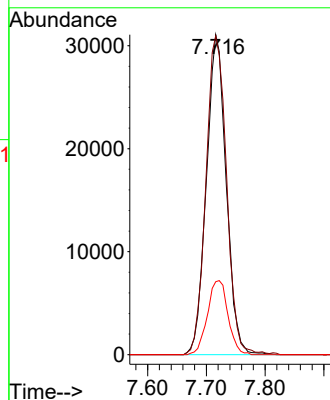
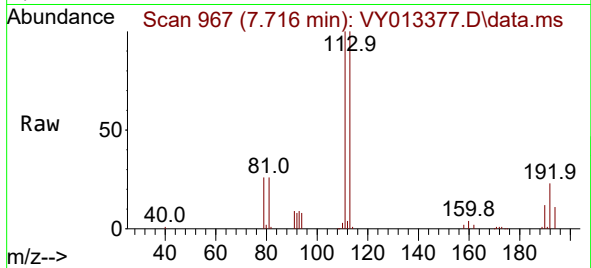




#35  
Dibromofluoromethane  
Concen: 113.614 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013377.D  
Acq: 20 Apr 2023 18:44

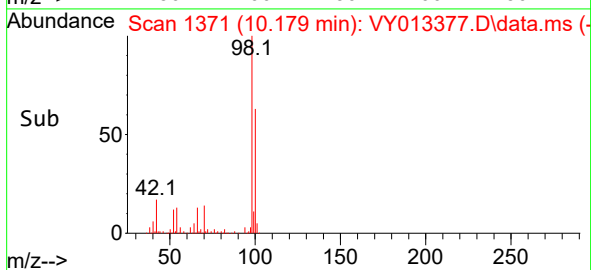
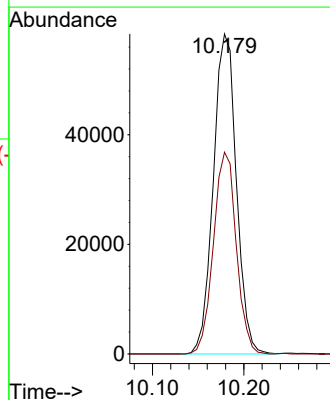
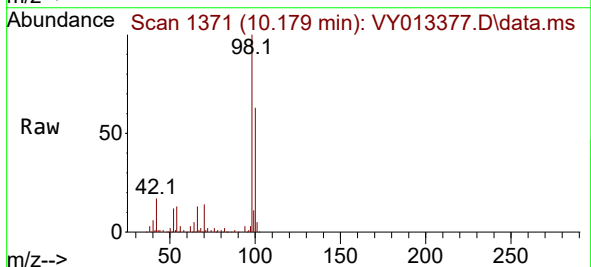
Instrument :  
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ClientSampleId :  
SB-14-8.0-8.5

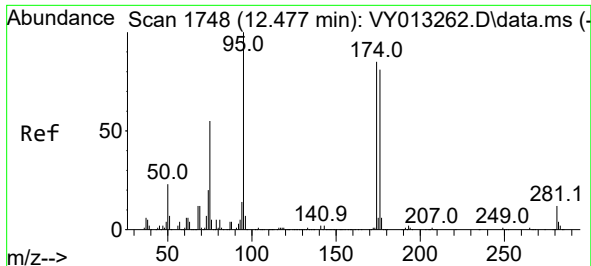
Tgt Ion:113 Resp: 72745  
Ion Ratio Lower Upper  
113 100  
111 103.6 82.2 123.2  
192 24.0 16.8 25.2



#50  
Toluene-d8  
Concen: 42.981 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY013377.D  
Acq: 20 Apr 2023 18:44

Tgt Ion: 98 Resp: 102434  
Ion Ratio Lower Upper  
98 100  
100 62.4 50.9 76.3

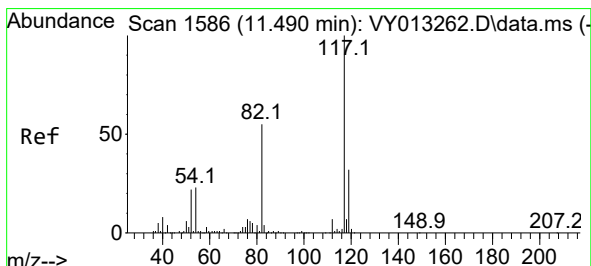
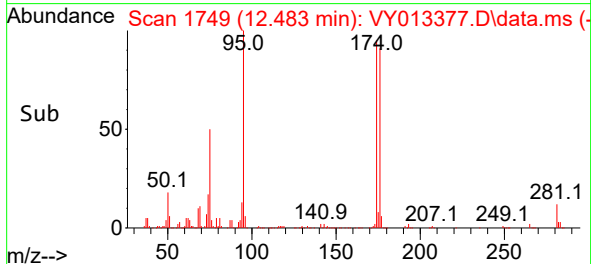
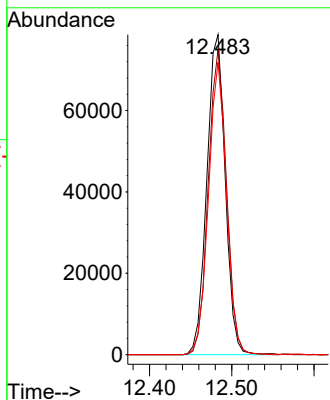
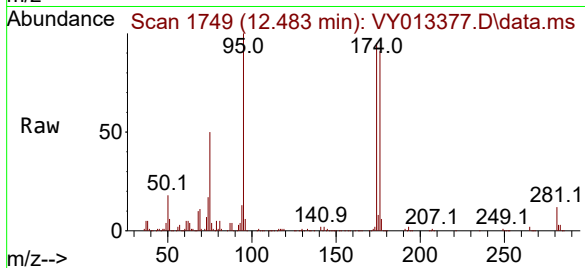




#62  
4-Bromofluorobenzene  
Concen: 158.038 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY013377.D  
Acq: 20 Apr 2023 18:44

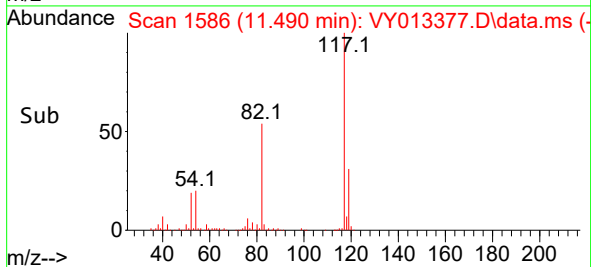
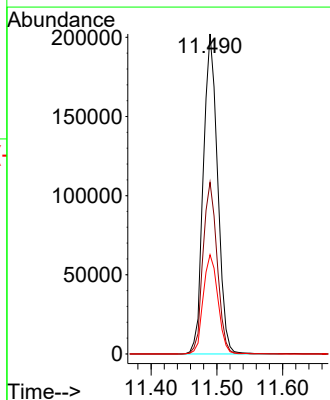
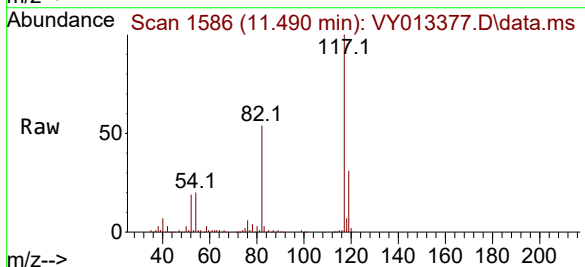
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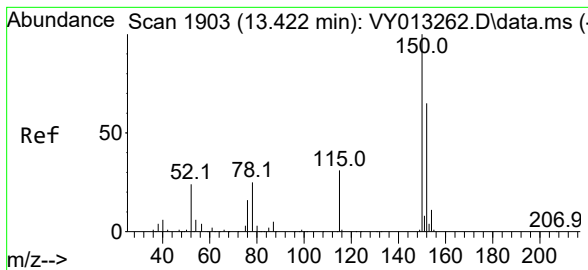
Tgt Ion: 95 Resp: 122377  
Ion Ratio Lower Upper  
95 100  
174 94.3 0.0 176.6  
176 89.6 0.0 170.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY013377.D  
Acq: 20 Apr 2023 18:44

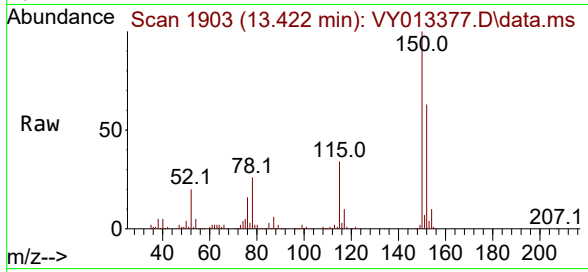
Tgt Ion: 117 Resp: 306317  
Ion Ratio Lower Upper  
117 100  
82 53.7 45.4 68.0  
119 31.0 25.6 38.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. -0.000 min  
 Lab File: VY013377.D  
 Acq: 20 Apr 2023 18:44

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-14-8.0-8.5



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 64390 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 56.3  | 27.1  | 81.3  |
| 150       | 159.3 | 0.0   | 347.8 |

