

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032923\  
 Data File : VY013127.D  
 Acq On : 29 Mar 2023 11:18  
 Operator : KP/MD  
 Sample : VY0329SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0329SBL01

Quant Time: Mar 29 23:30:51 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 03 01:13:13 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 77013    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 134861   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 127945   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 52809    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 50441    | 65.967   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 131.940% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 46468    | 57.094   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 114.180% |
| 50) Toluene-d8              | 10.179 | 98    | 164841   | 55.401   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 110.800% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 48810    | 48.602   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 97.200%  |

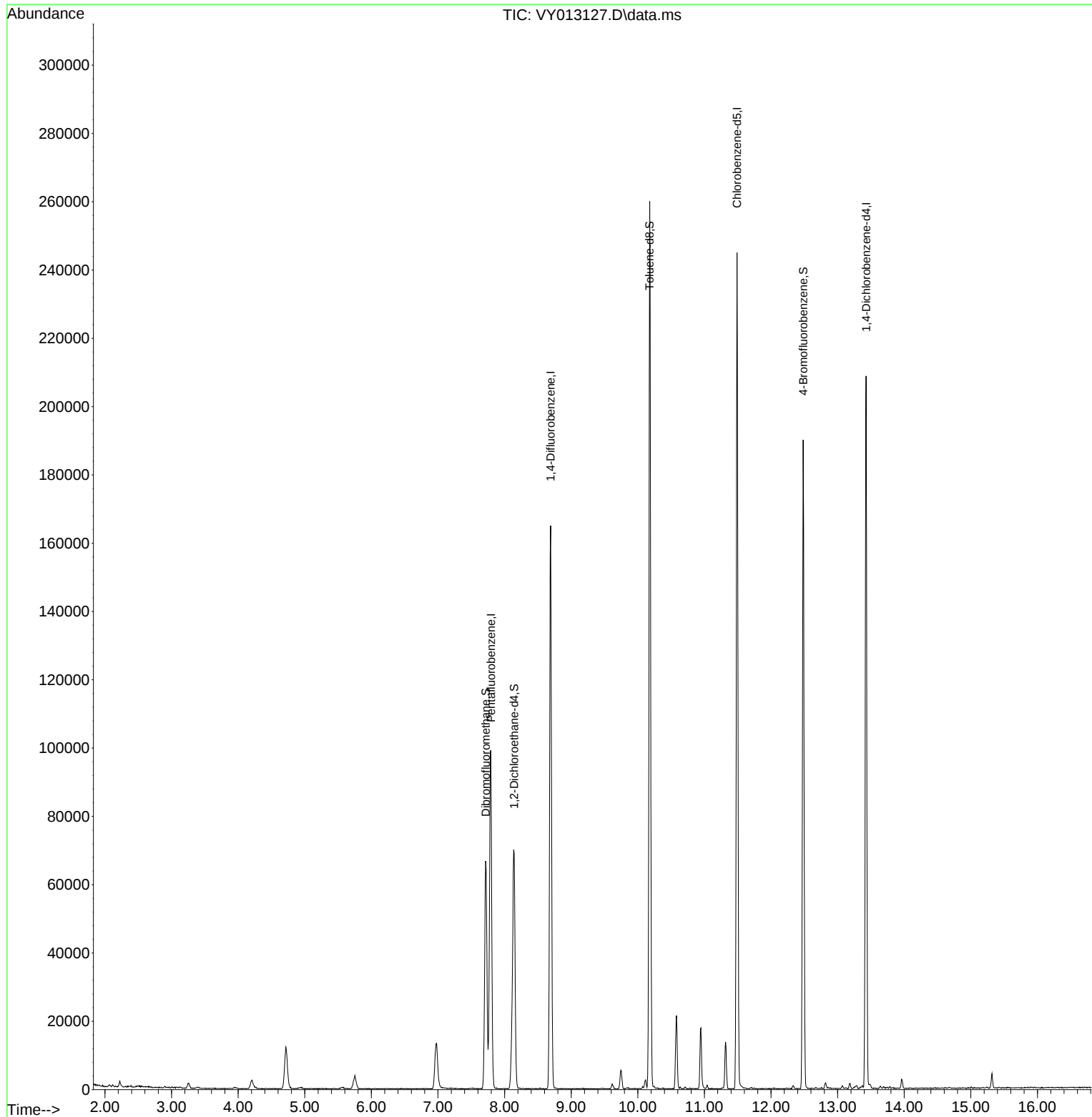
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

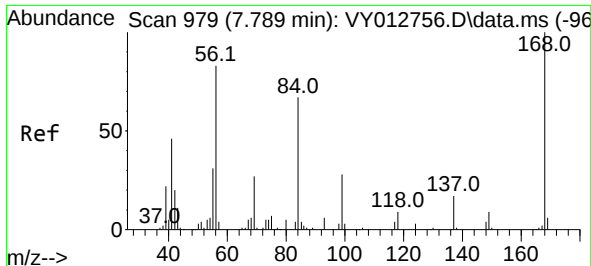
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Mar 03 01:13:13 2023  
Response via : Initial Calibration

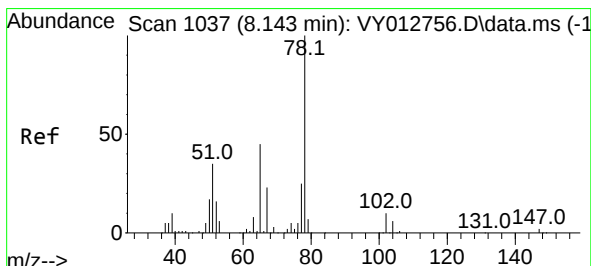
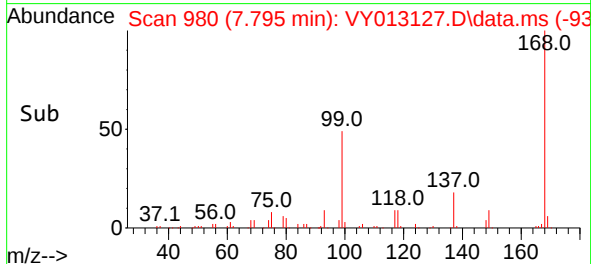
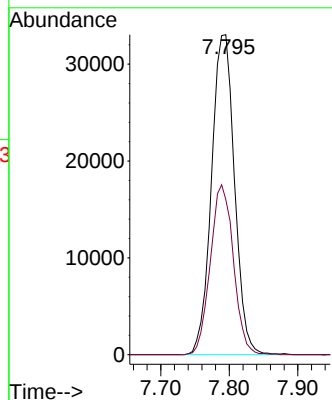
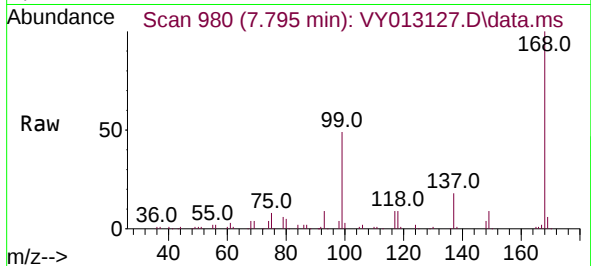




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY013127.D  
Acq: 29 Mar 2023 11:18

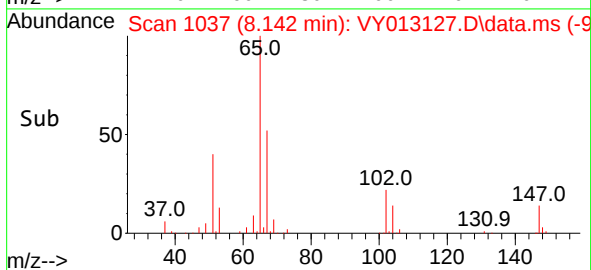
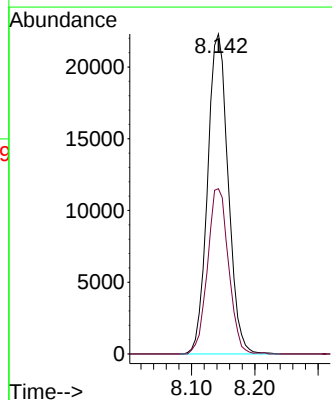
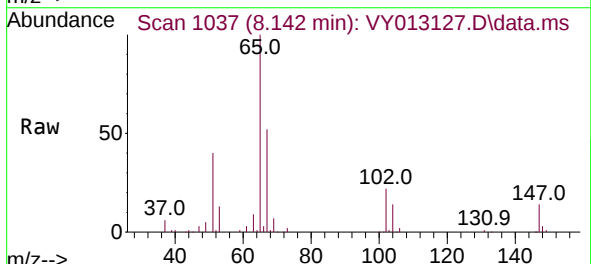
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0329SBL01

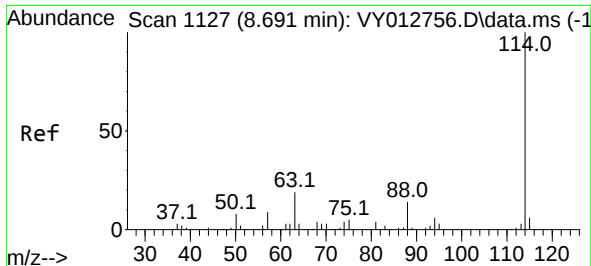
Tgt Ion:168 Resp: 77013  
Ion Ratio Lower Upper  
168 100  
99 48.5 41.7 62.5



#33  
1,2-Dichloroethane-d4  
Concen: 65.967 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.001 min  
Lab File: VY013127.D  
Acq: 29 Mar 2023 11:18

Tgt Ion: 65 Resp: 50441  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 104.0

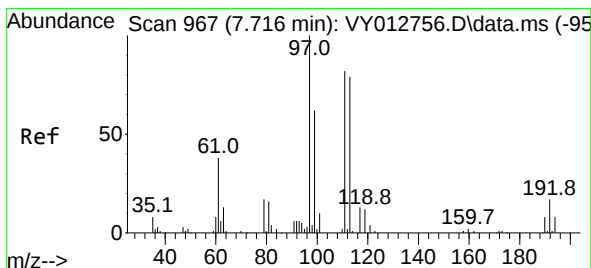
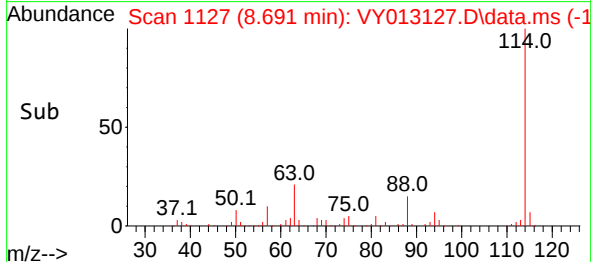
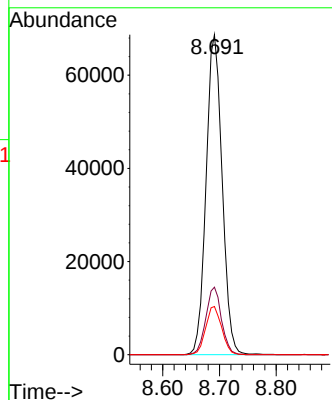
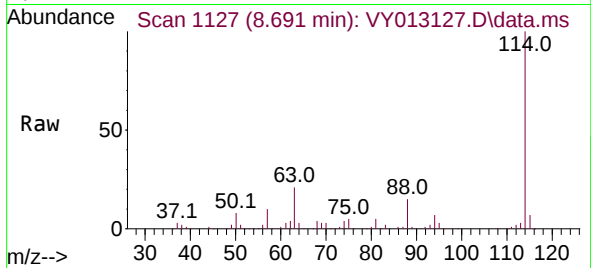




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: VY013127.D  
Acq: 29 Mar 2023 11:18

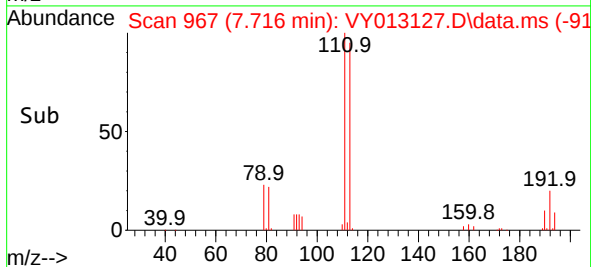
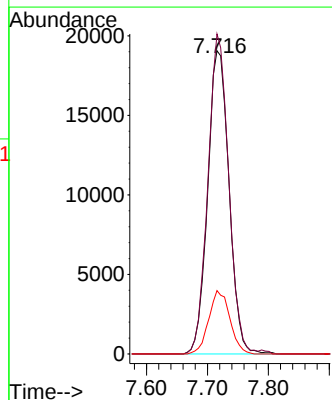
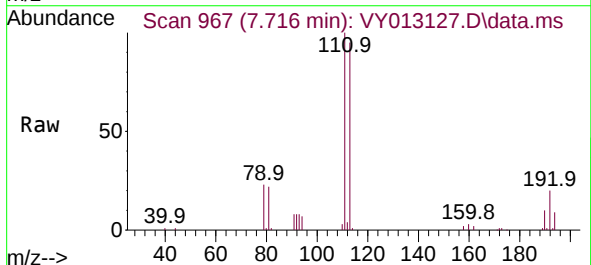
Instrument :  
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ClientSampleId :  
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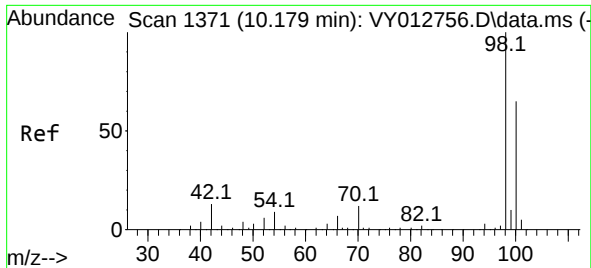
Tgt Ion:114 Resp: 134861  
Ion Ratio Lower Upper  
114 100  
63 21.1 0.0 37.4  
88 15.1 0.0 28.6



#35  
Dibromofluoromethane  
Concen: 57.094 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY013127.D  
Acq: 29 Mar 2023 11:18

Tgt Ion:113 Resp: 46468  
Ion Ratio Lower Upper  
113 100  
111 102.4 82.2 123.2  
192 20.6 16.8 25.2

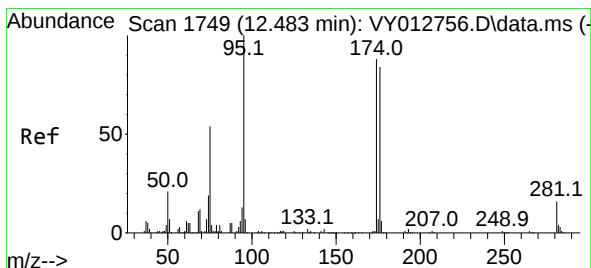
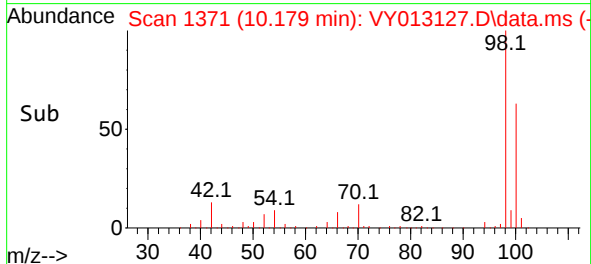
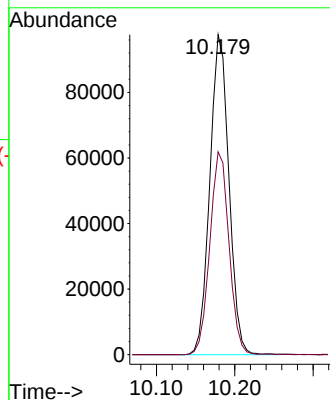
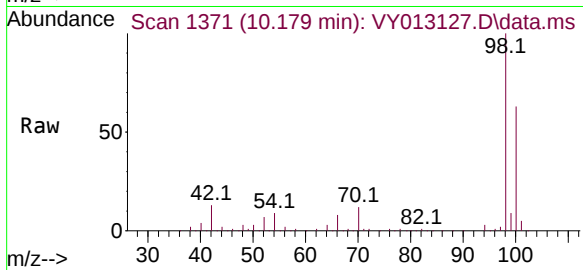




#50  
Toluene-d8  
Concen: 55.401 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY013127.D  
Acq: 29 Mar 2023 11:18

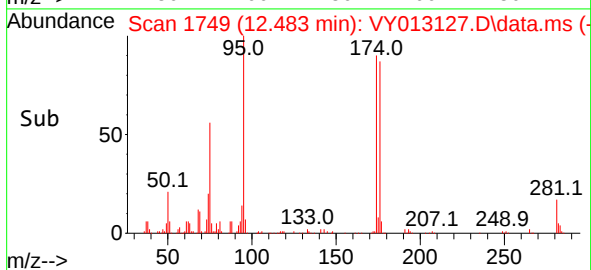
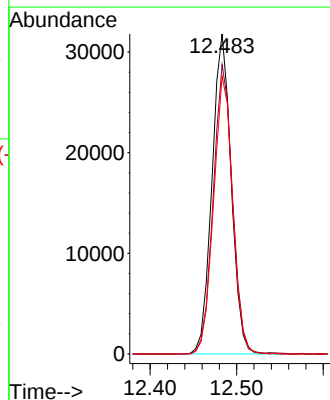
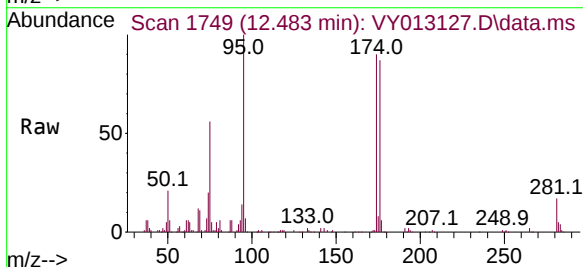
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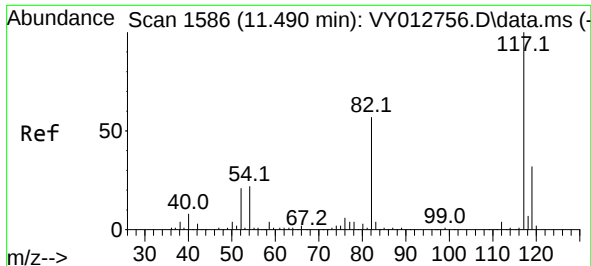
Tgt Ion: 98 Resp: 164841  
Ion Ratio Lower Upper  
98 100  
100 63.8 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 48.602 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY013127.D  
Acq: 29 Mar 2023 11:18

Tgt Ion: 95 Resp: 48810  
Ion Ratio Lower Upper  
95 100  
174 91.2 0.0 176.6  
176 86.6 0.0 170.2

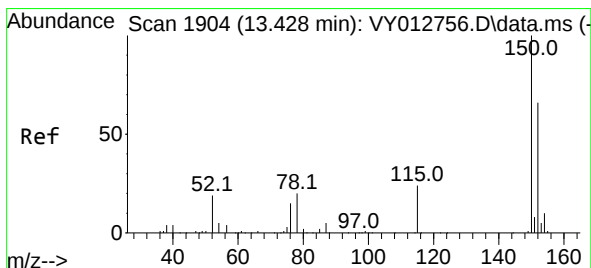
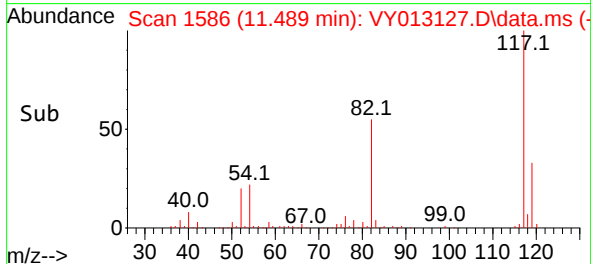
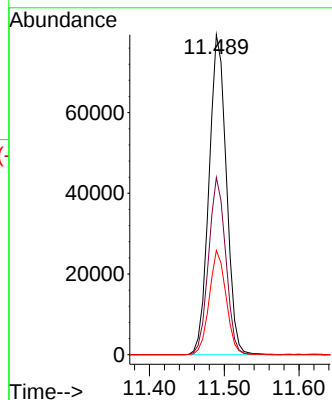
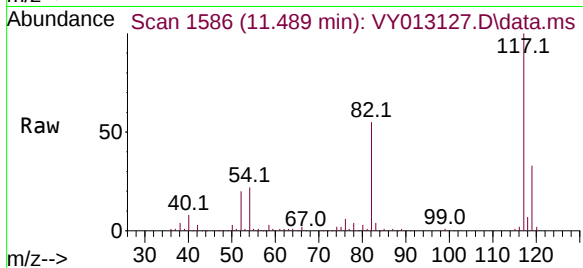




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY013127.D  
Acq: 29 Mar 2023 11:18

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0329SBL01

Tgt Ion:117 Resp: 127945  
Ion Ratio Lower Upper  
117 100  
82 55.4 45.4 68.0  
119 32.6 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY013127.D  
Acq: 29 Mar 2023 11:18

Tgt Ion:152 Resp: 52809  
Ion Ratio Lower Upper  
152 100  
115 56.1 27.1 81.3  
150 159.4 0.0 347.8

