

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100422\  
 Data File : VY010785.D  
 Acq On : 04 Oct 2022 11:23  
 Operator : KP/MD  
 Sample : N4936-01RE  
 Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SASP2-T-2-(0-6)RE

Quant Time: Oct 05 07:25:45 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100322S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 04 07:26:22 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.795  | 168   | 4492     | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 6765     | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 5584     | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 1250     | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 1979     | 43.464   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 86.920%  |
| 35) Dibromofluoromethane    | 7.728  | 113   | 1008     | 22.447   | ug/l  | 0.01     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 44.900%# |
| 50) Toluene-d8              | 10.179 | 98    | 5619     | 36.588   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 73.180%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 1537     | 23.680   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 47.360%  |

Target Compounds Qvalue

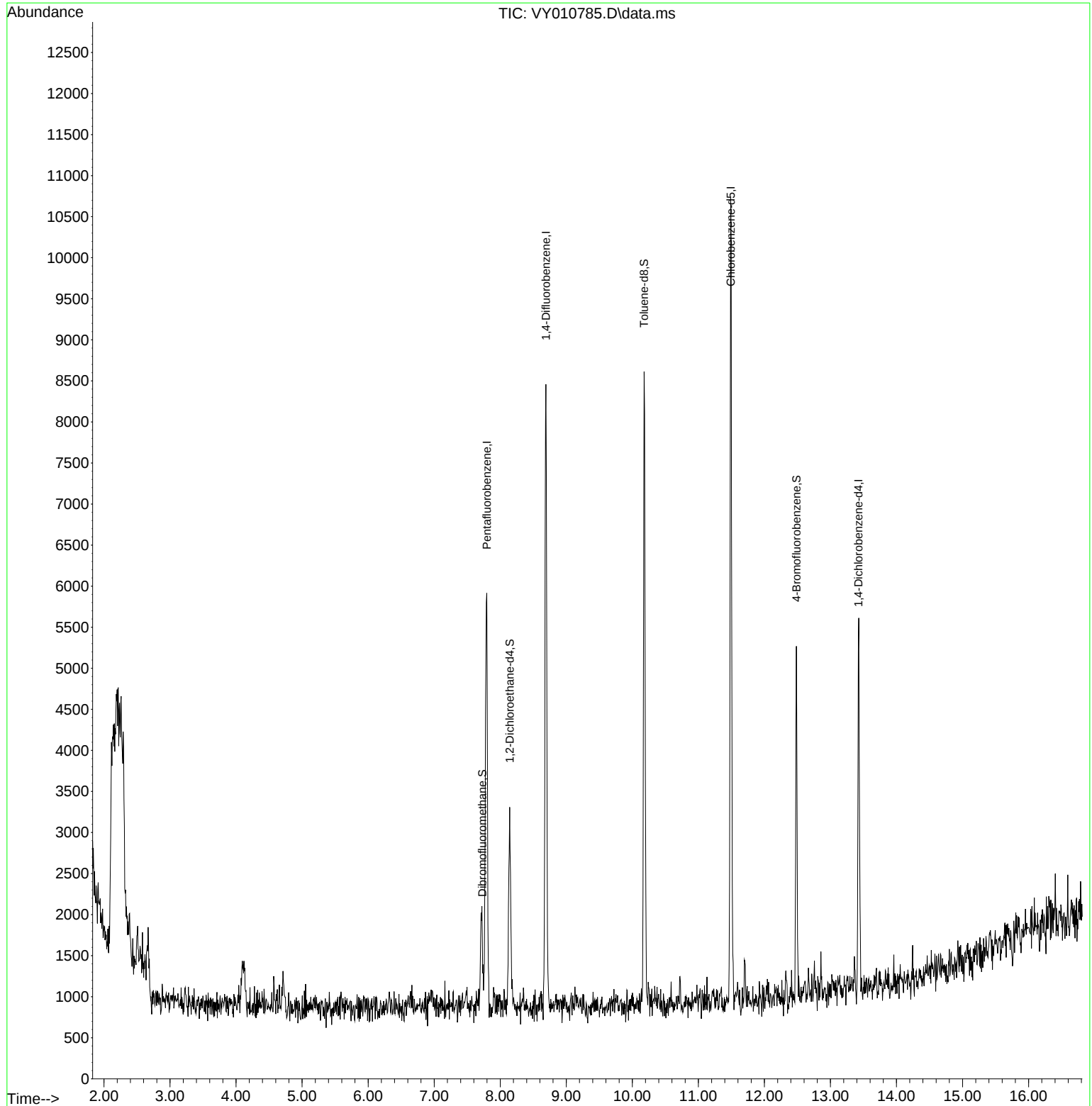
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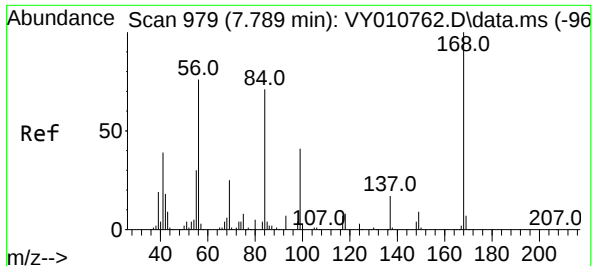
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

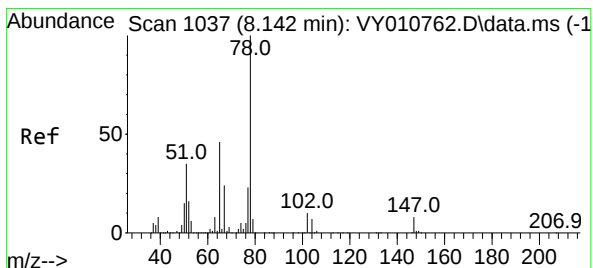
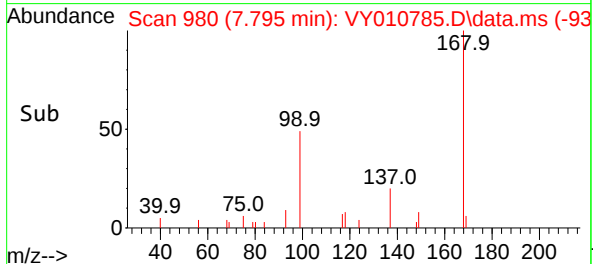
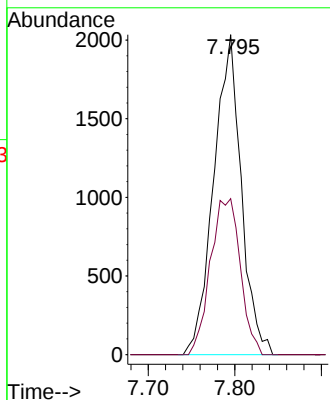
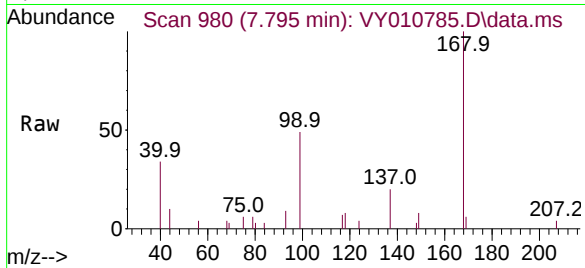




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.006 min  
Lab File: VY010785.D  
Acq: 04 Oct 2022 11:23

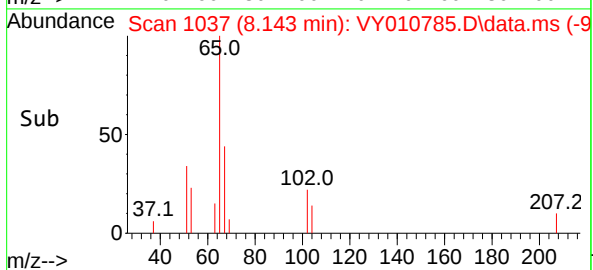
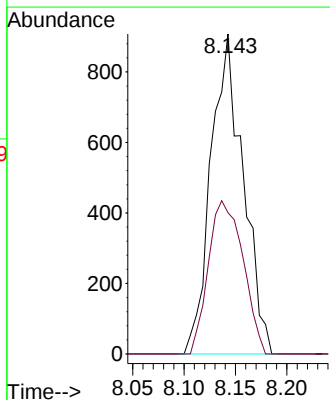
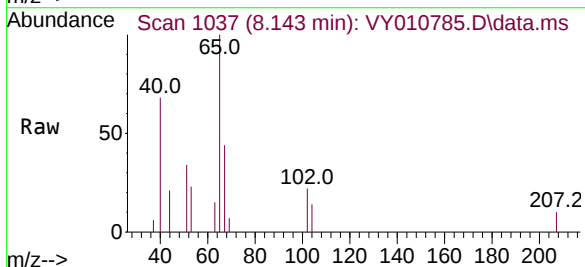
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SASP2-T-2-(0-6)RE

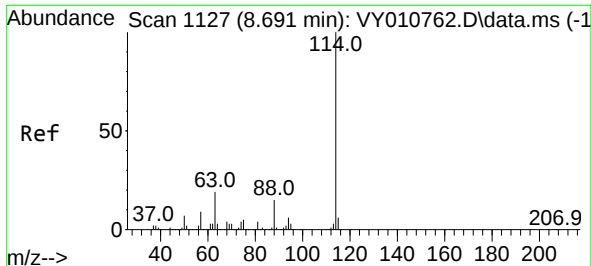
Tgt Ion:168 Resp: 4492  
Ion Ratio Lower Upper  
168 100  
99 48.7 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 43.464 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.001 min  
Lab File: VY010785.D  
Acq: 04 Oct 2022 11:23

Tgt Ion: 65 Resp: 1979  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY010785.D

Acq: 04 Oct 2022 11:23

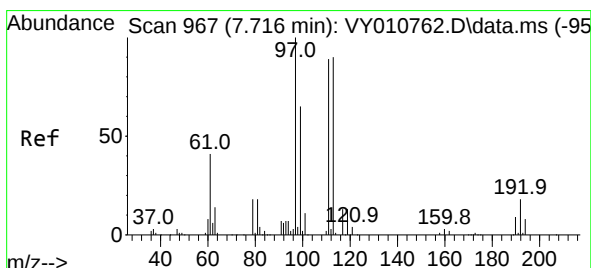
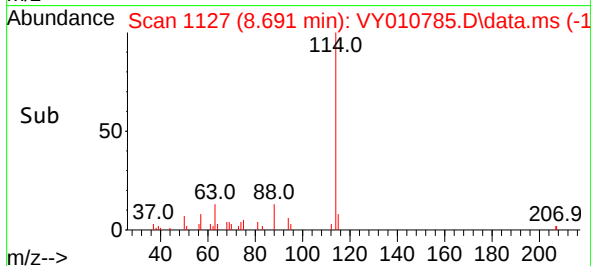
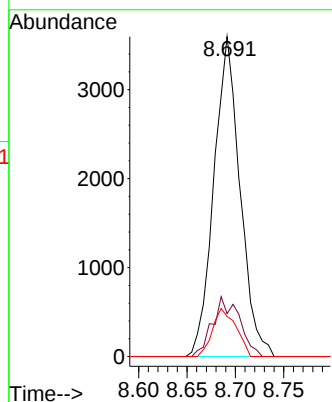
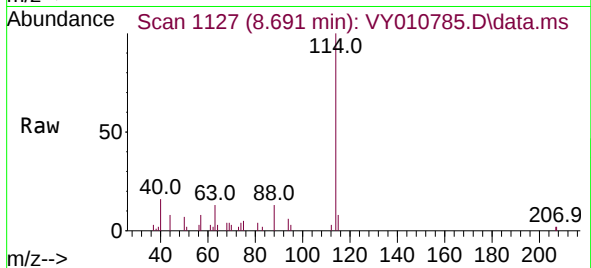
Instrument :

MSVOA\_Y

ClientSampleId :

SASP2-T-2-(0-6)RE

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 6765        |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 13.4  | 0.0 43.2    |
| 88          | 12.5  | 0.0 31.8    |



#35

Dibromofluoromethane

Concen: 22.447 ug/l

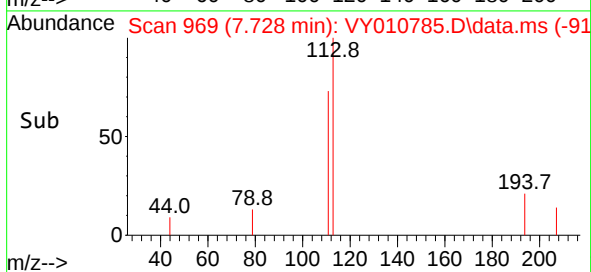
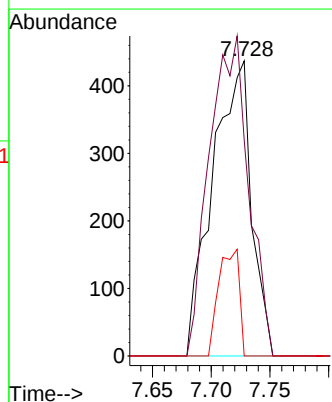
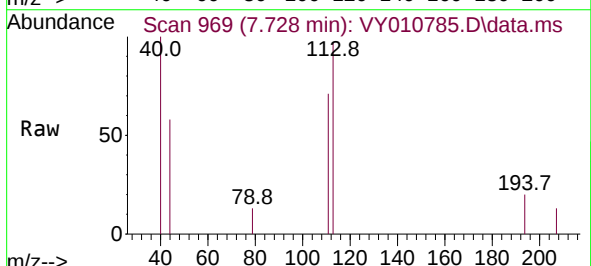
RT: 7.728 min Scan# 969

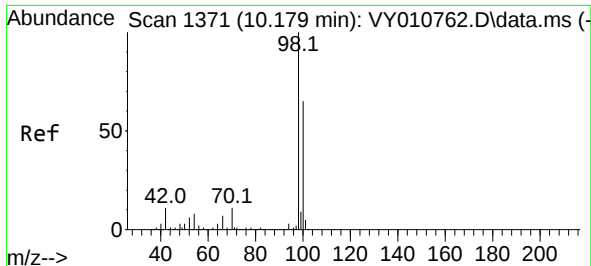
Delta R.T. 0.012 min

Lab File: VY010785.D

Acq: 04 Oct 2022 11:23

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 1008        |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 109.5 | 82.6 124.0  |
| 192         | 19.0  | 17.6 26.4   |

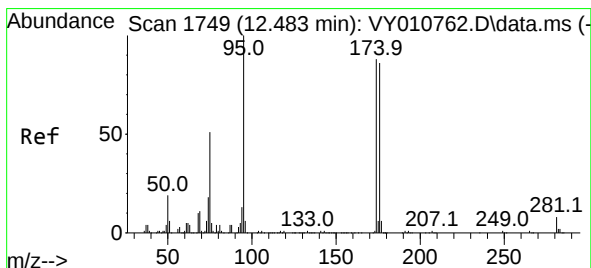
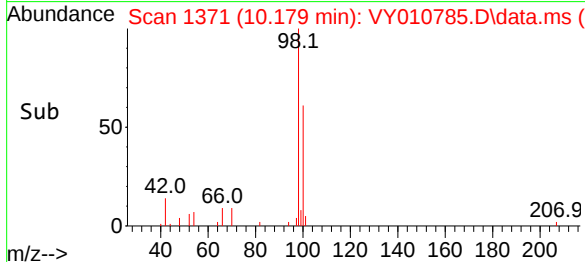
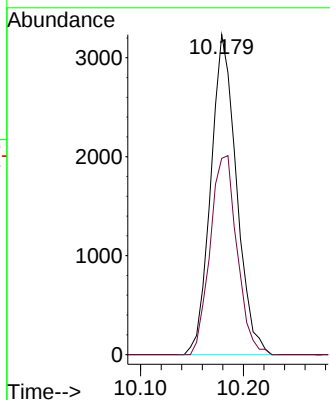
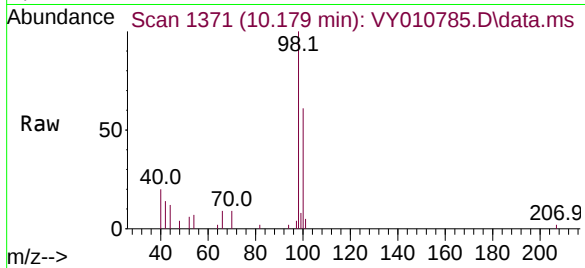




#50  
Toluene-d8  
Concen: 36.588 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY010785.D  
Acq: 04 Oct 2022 11:23

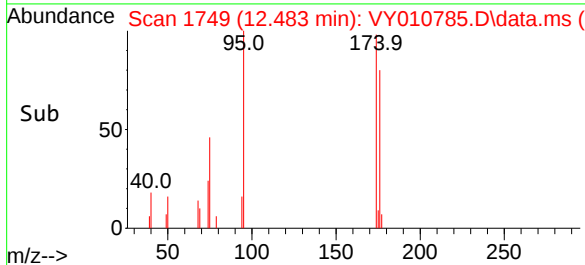
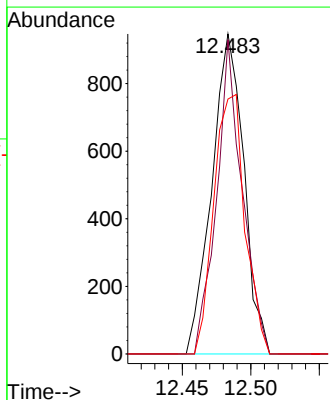
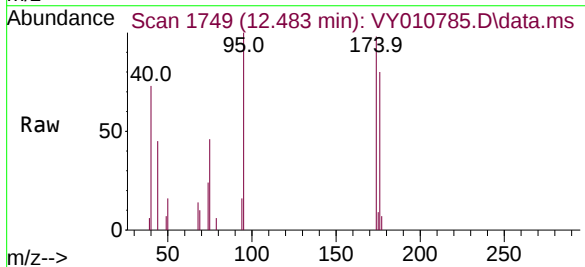
Instrument :  
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ClientSampleId :  
SASP2-T-2-(0-6)RE

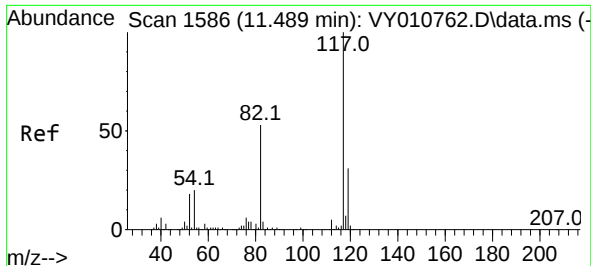
Tgt Ion: 98 Resp: 5619  
Ion Ratio Lower Upper  
98 100  
100 65.0 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 23.680 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY010785.D  
Acq: 04 Oct 2022 11:23

Tgt Ion: 95 Resp: 1537  
Ion Ratio Lower Upper  
95 100  
174 78.9 0.0 177.0  
176 79.1 0.0 175.8

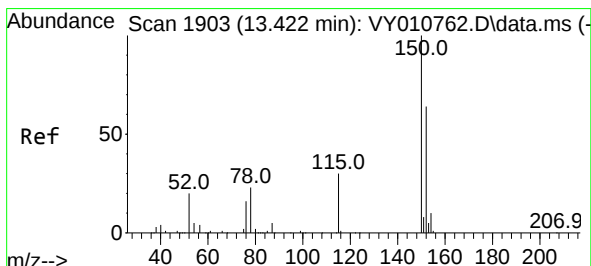
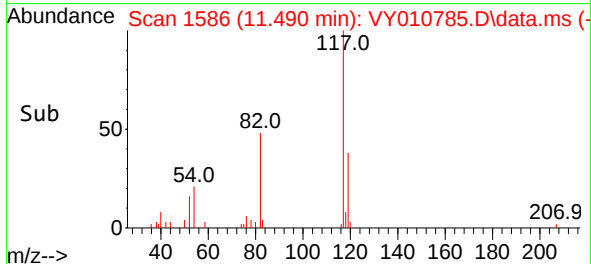
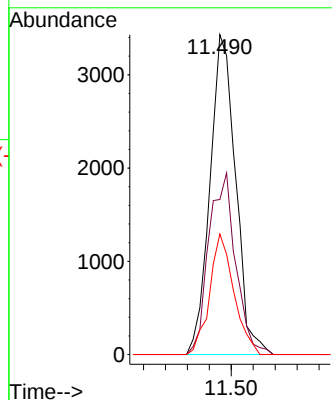
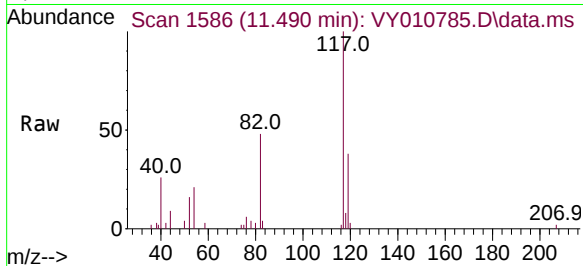




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY010785.D  
Acq: 04 Oct 2022 11:23

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SASP2-T-2-(0-6)RE

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:117 | Resp: | 5584        |
| Ion         | Ratio | Lower Upper |
| 117         | 100   |             |
| 82          | 48.5  | 43.0 64.4   |
| 119         | 37.7  | 25.4 38.0   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY010785.D  
Acq: 04 Oct 2022 11:23

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 1250        |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 58.6  | 28.2 84.7   |
| 150         | 181.0 | 0.0 347.6   |

