

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101022\  
 Data File : VY010898.D  
 Acq On : 10 Oct 2022 18:12  
 Operator : KP/MD  
 Sample : N5018-03  
 Misc : 4.91g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SASP2-T-3-(10-14)

Quant Time: Oct 11 09:45:51 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      | 7.789  | 168  | 290762   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 519435   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 460942   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 205604   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 109424   | 37.128   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 74.260% |
| 35) Dibromofluoromethane    | 7.715  | 113   | 118587   | 34.393   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 68.780% |
| 50) Toluene-d8              | 10.178 | 98    | 353665   | 29.992   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 59.980% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 141794   | 29.252   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 58.500% |

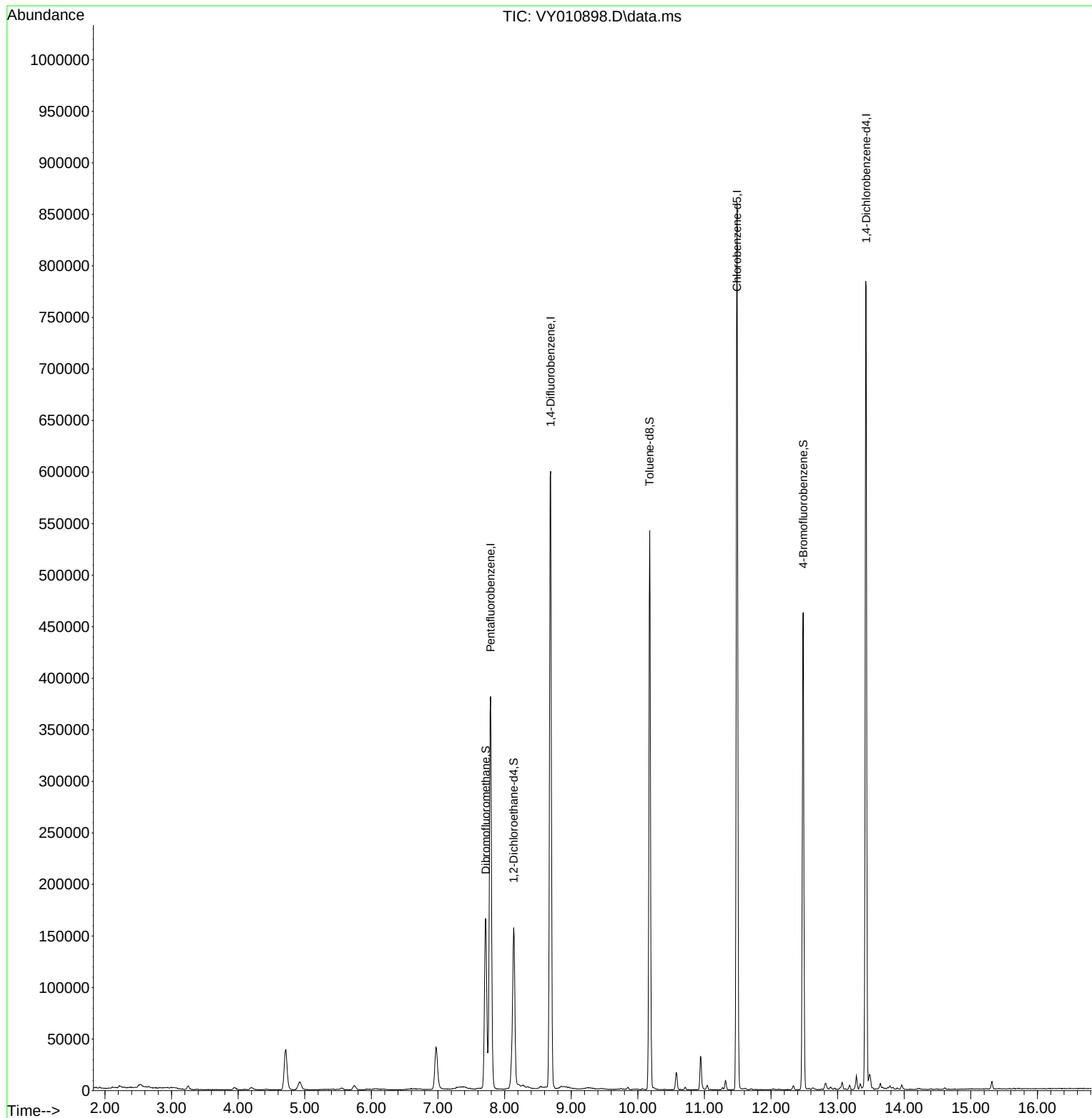
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

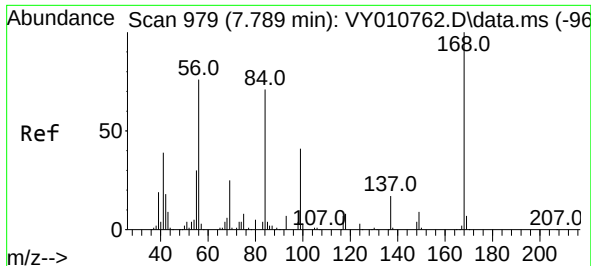
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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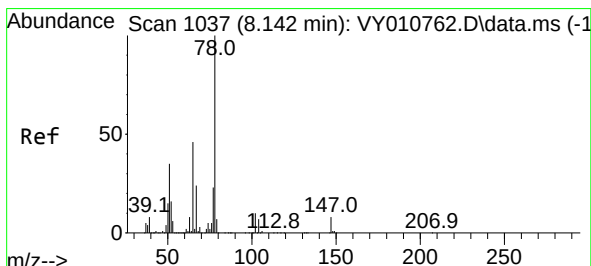
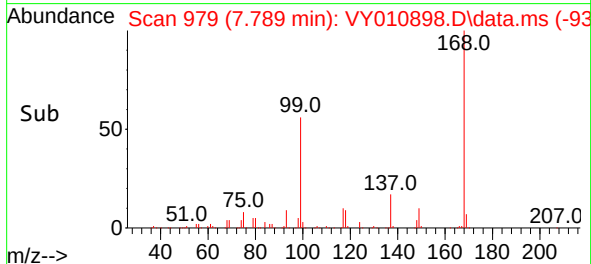
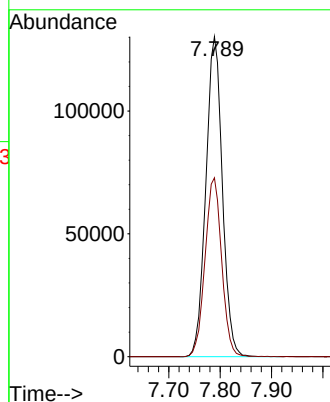
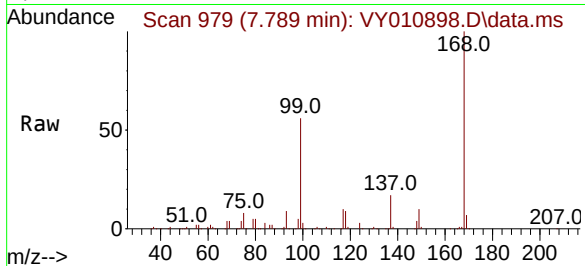




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY010898.D  
Acq: 10 Oct 2022 18:12

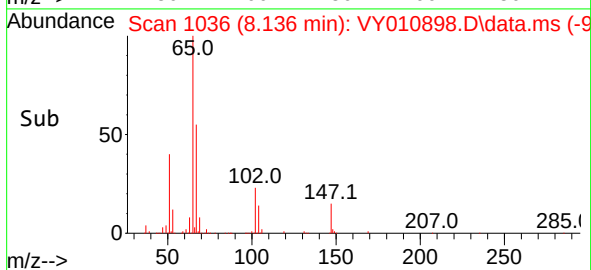
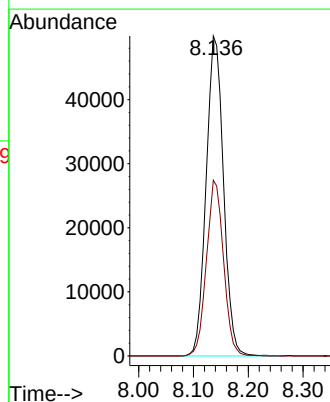
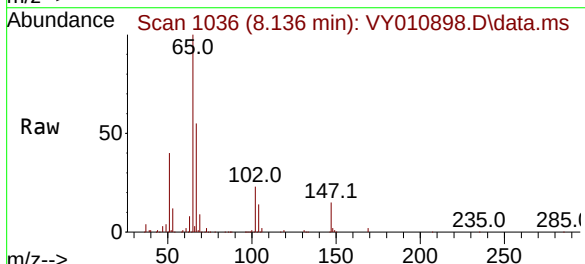
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SASP2-T-3-(10-14)

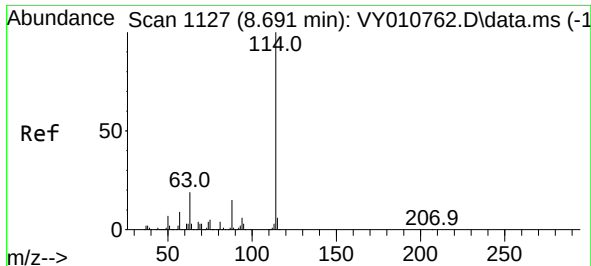
Tgt Ion:168 Resp: 290762  
Ion Ratio Lower Upper  
168 100  
99 55.9 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 37.128 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VY010898.D  
Acq: 10 Oct 2022 18:12

Tgt Ion: 65 Resp: 109424  
Ion Ratio Lower Upper  
65 100  
67 54.1 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: VY010898.D

Acq: 10 Oct 2022 18:12

Instrument :

MSVOA\_Y

ClientSampleId :

SASP2-T-3-(10-14)

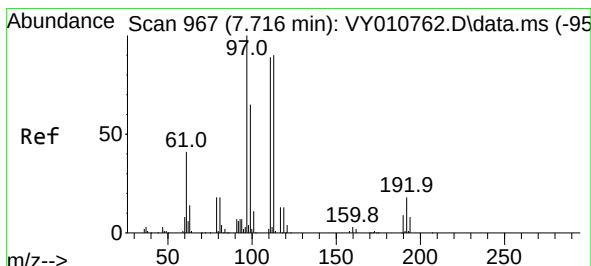
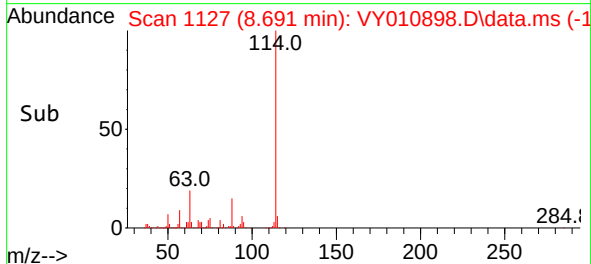
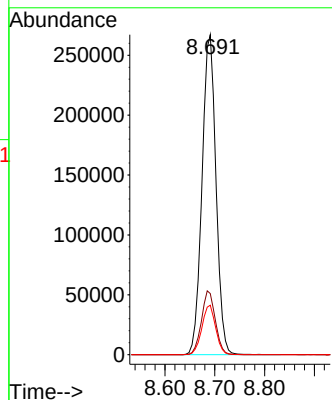
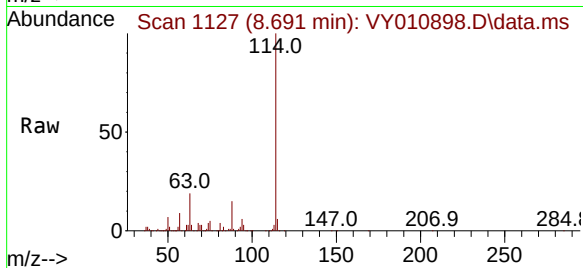
Tgt Ion:114 Resp: 519435

Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.2

88 15.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 34.393 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.001 min

Lab File: VY010898.D

Acq: 10 Oct 2022 18:12

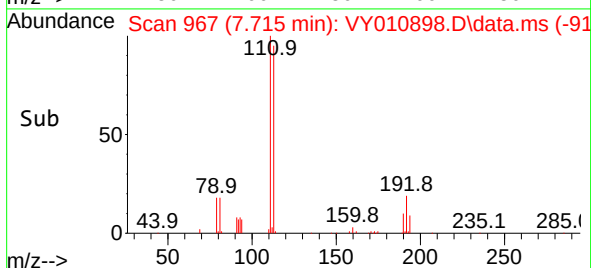
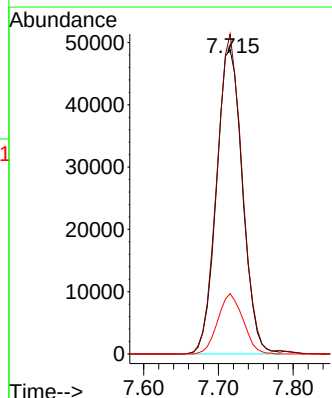
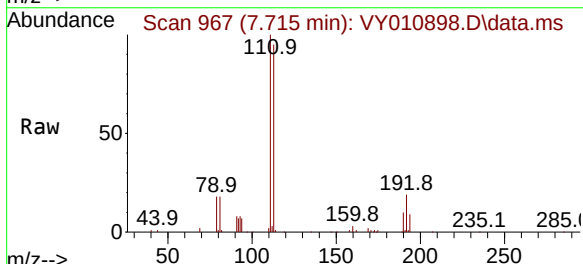
Tgt Ion:113 Resp: 118587

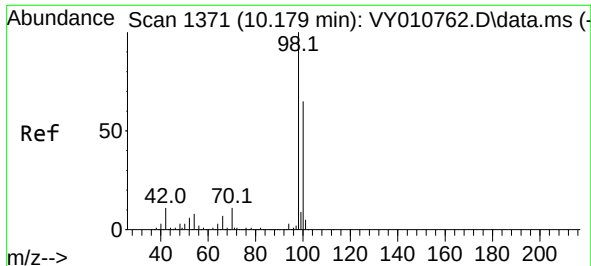
Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

192 19.1 17.6 26.4

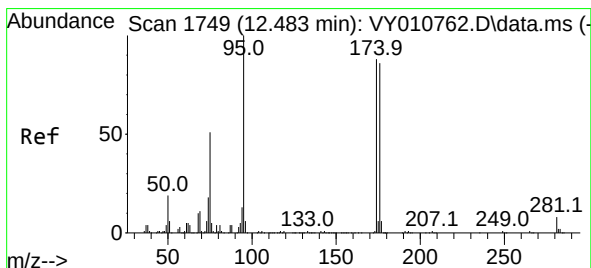
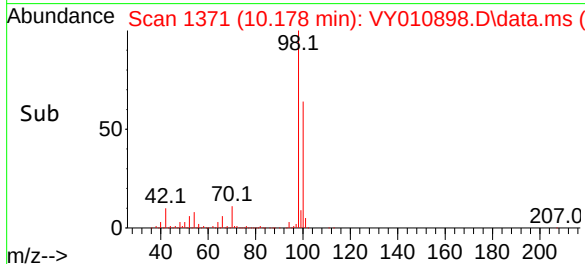
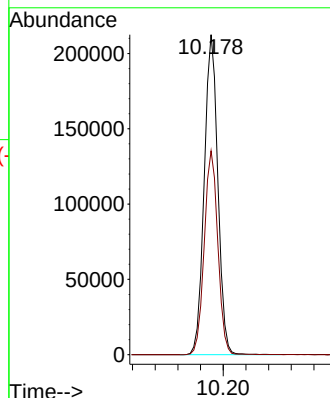
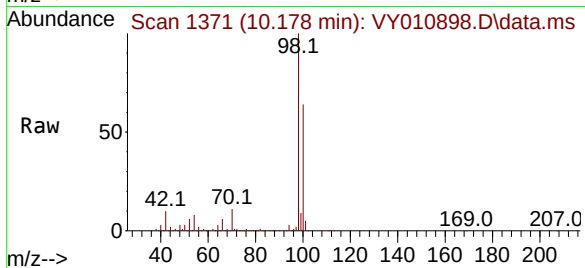




#50  
Toluene-d8  
Concen: 29.992 ug/l  
RT: 10.178 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY010898.D  
Acq: 10 Oct 2022 18:12

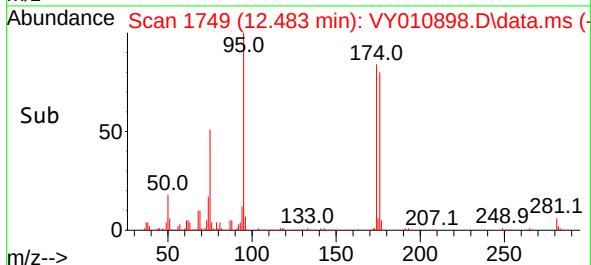
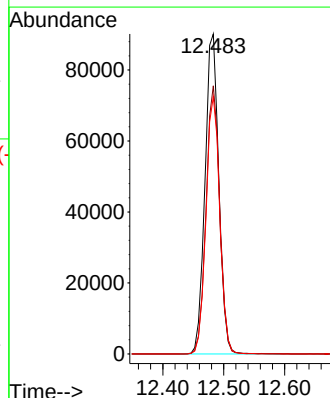
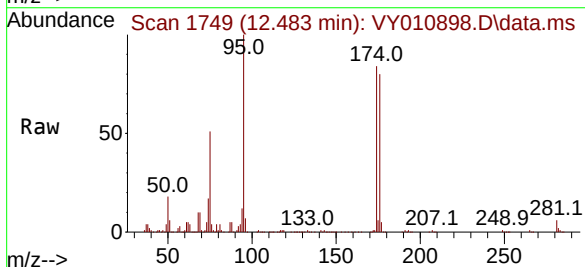
Instrument :  
MSVOA\_Y  
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SASP2-T-3-(10-14)

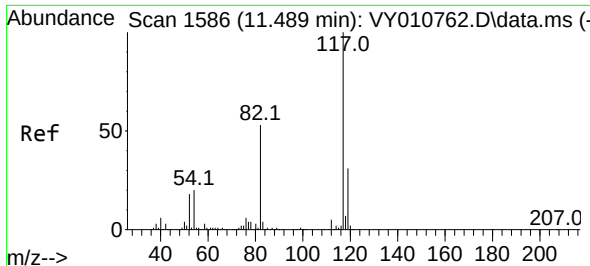
Tgt Ion: 98 Resp: 353665  
Ion Ratio Lower Upper  
98 100  
100 63.5 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 29.252 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY010898.D  
Acq: 10 Oct 2022 18:12

Tgt Ion: 95 Resp: 141794  
Ion Ratio Lower Upper  
95 100  
174 83.3 0.0 177.0  
176 80.0 0.0 175.8

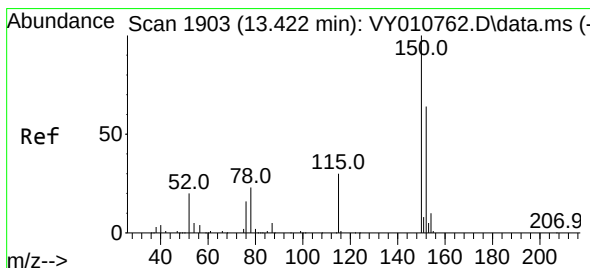
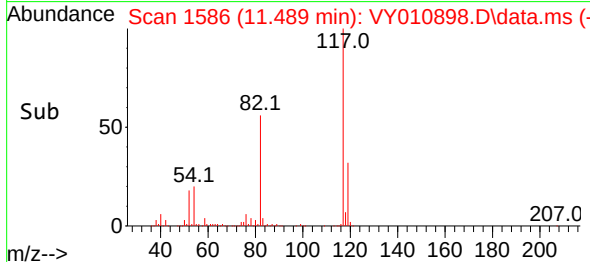
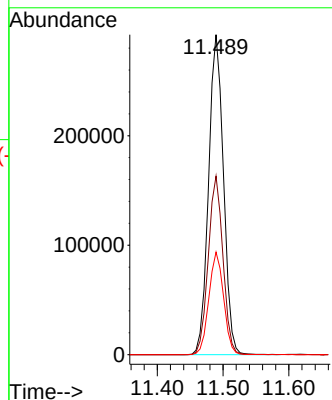
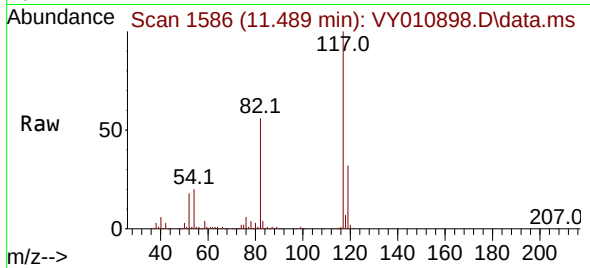




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY010898.D  
Acq: 10 Oct 2022 18:12

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SASP2-T-3-(10-14)

Tgt Ion:117 Resp: 460942  
Ion Ratio Lower Upper  
117 100  
82 55.8 43.0 64.4  
119 32.0 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY010898.D  
Acq: 10 Oct 2022 18:12

Tgt Ion:152 Resp: 205604  
Ion Ratio Lower Upper  
152 100  
115 58.3 28.2 84.7  
150 156.7 0.0 347.6

