

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021423\  
 Data File : VY012581.D  
 Acq On : 14 Feb 2023 12:14  
 Operator : KP/MD  
 Sample : 01539-17  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 FIELD-BLANK

Quant Time: Feb 15 01:24:53 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020723S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 08 01:09:03 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 150529   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 249352   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 243812   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 122046   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 89817    | 46.922   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 93.840% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 72461    | 39.903   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 79.800% |
| 50) Toluene-d8              | 10.179 | 98    | 289851   | 38.348   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 76.700% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 103298   | 39.181   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 78.360% |

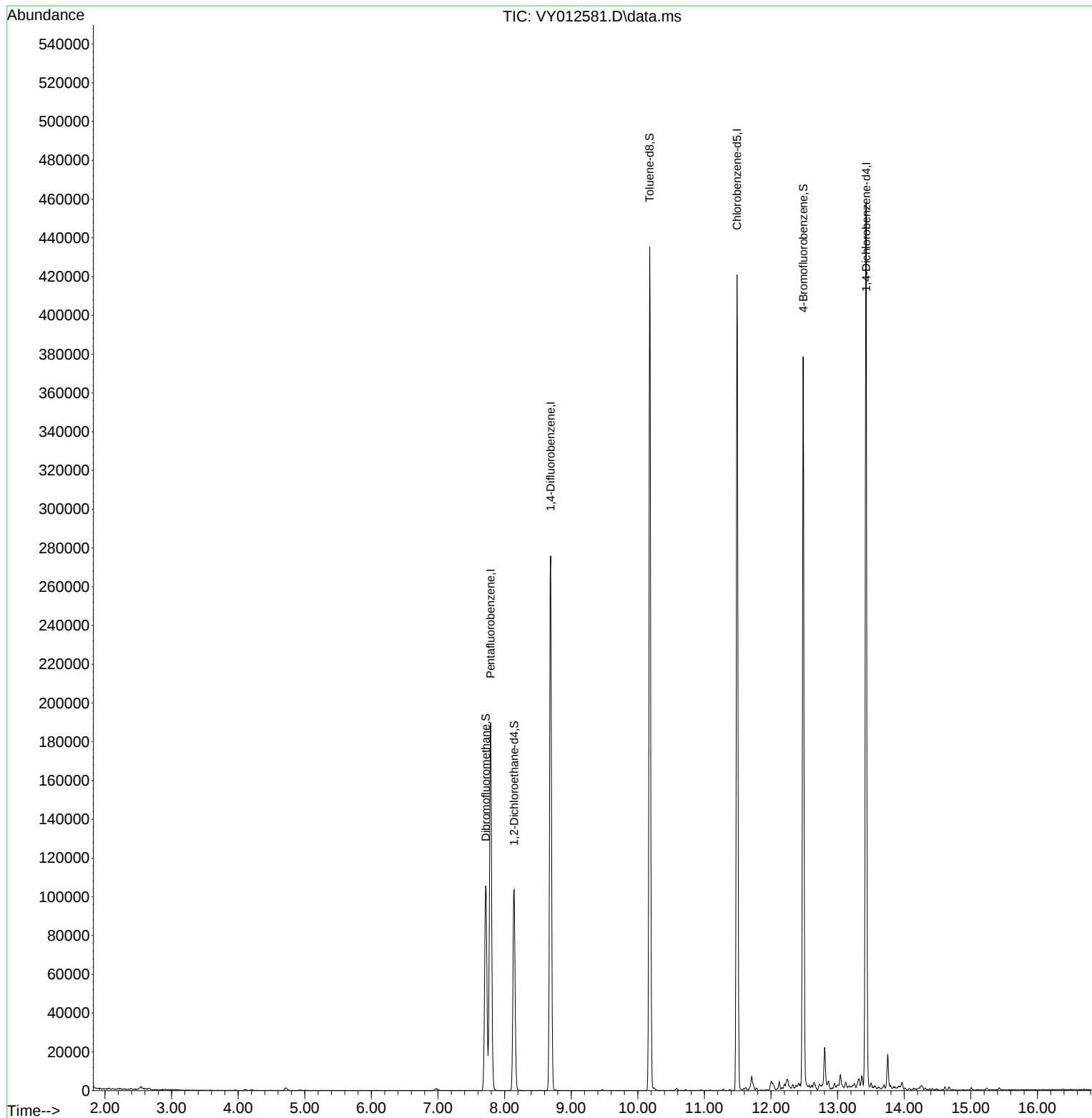
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

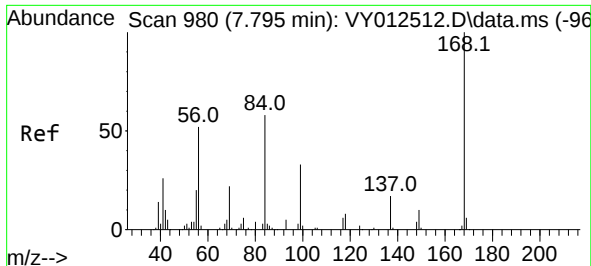
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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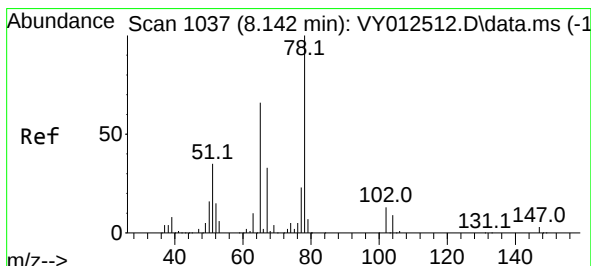
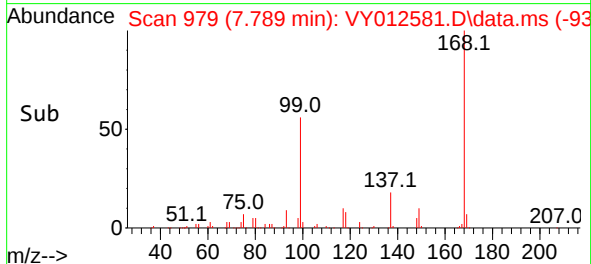
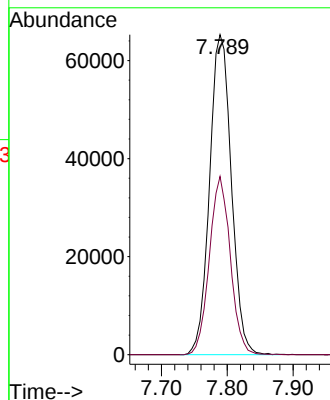
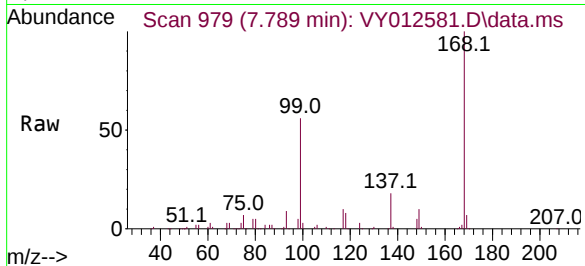




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY012581.D  
Acq: 14 Feb 2023 12:14

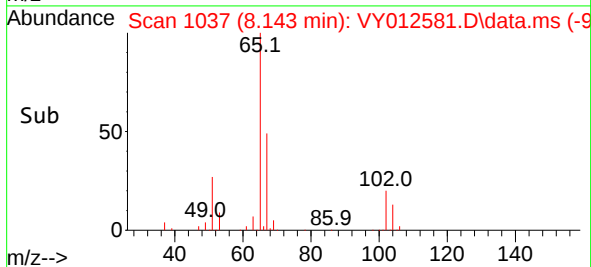
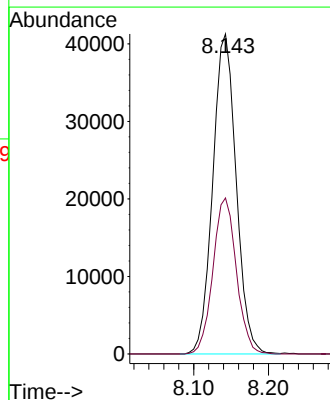
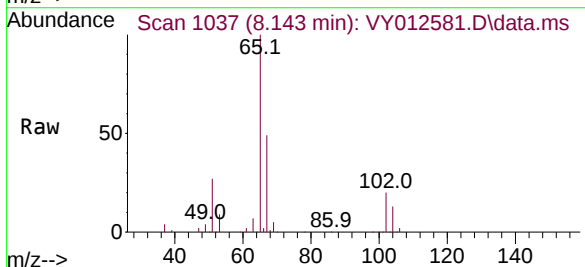
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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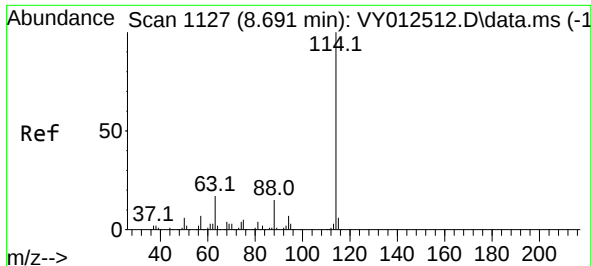
Tgt Ion:168 Resp: 150529  
Ion Ratio Lower Upper  
168 100  
99 55.7 40.8 61.2



#33  
1,2-Dichloroethane-d4  
Concen: 46.922 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: VY012581.D  
Acq: 14 Feb 2023 12:14

Tgt Ion: 65 Resp: 89817  
Ion Ratio Lower Upper  
65 100  
67 48.8 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012581.D

Acq: 14 Feb 2023 12:14

Instrument :

MSVOA\_Y

ClientSampleId :

FIELD-BLANK

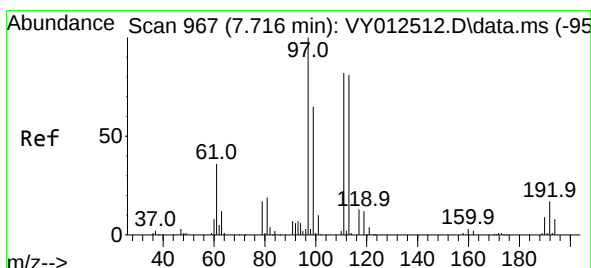
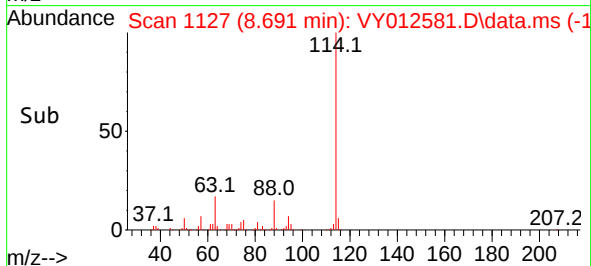
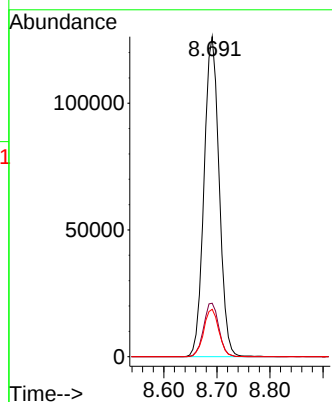
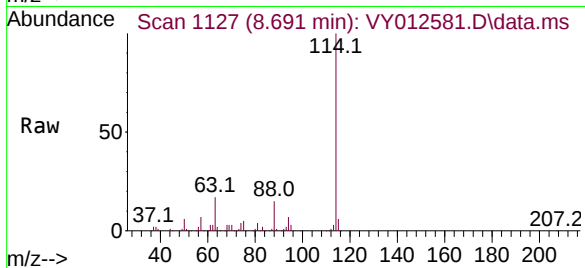
Tgt Ion:114 Resp: 249352

Ion Ratio Lower Upper

114 100

63 16.7 0.0 33.6

88 14.8 0.0 29.8



#35

Dibromofluoromethane

Concen: 39.903 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012581.D

Acq: 14 Feb 2023 12:14

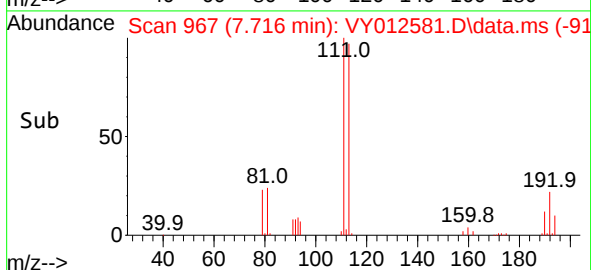
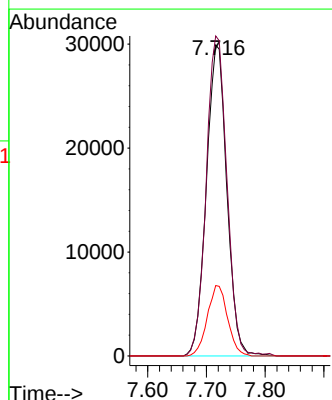
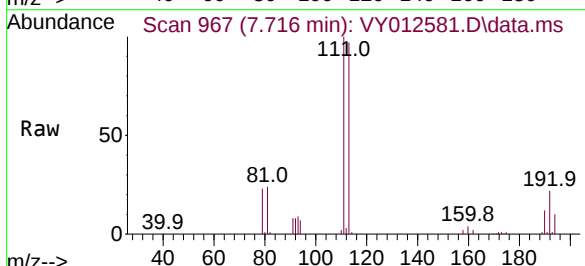
Tgt Ion:113 Resp: 72461

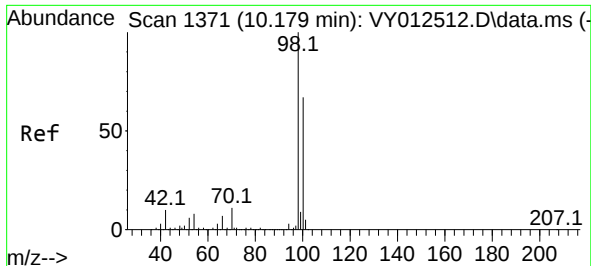
Ion Ratio Lower Upper

113 100

111 103.8 81.9 122.9

192 22.4 17.5 26.3

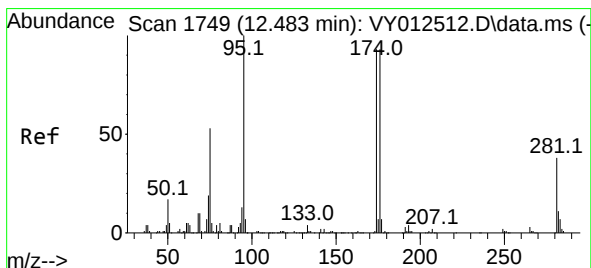
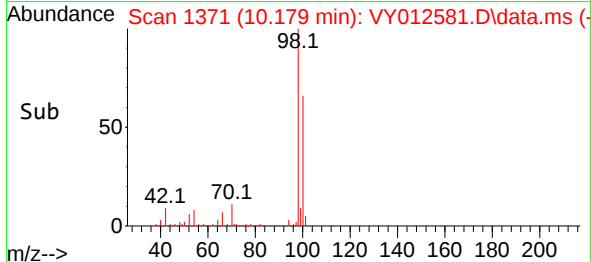
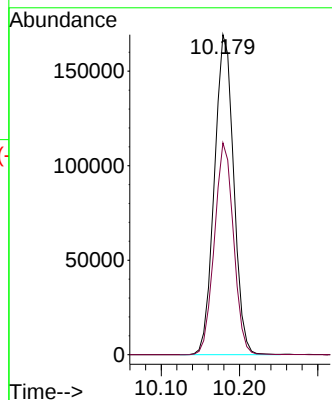
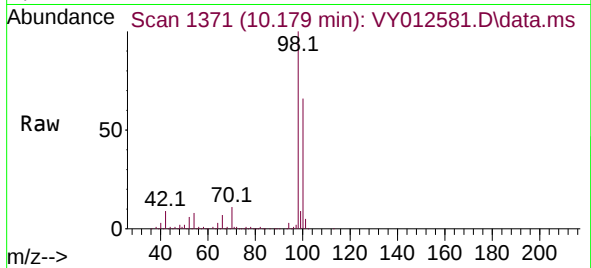




#50  
Toluene-d8  
Concen: 38.348 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.000 min  
Lab File: VY012581.D  
Acq: 14 Feb 2023 12:14

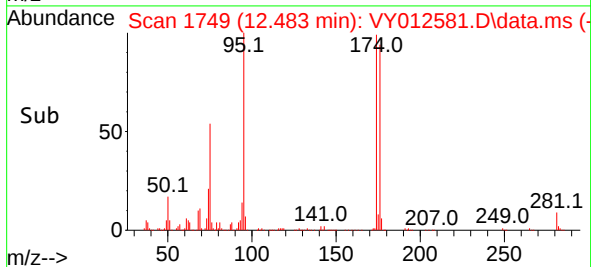
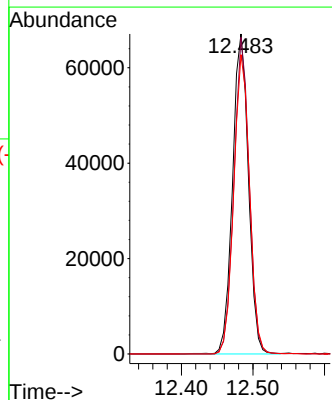
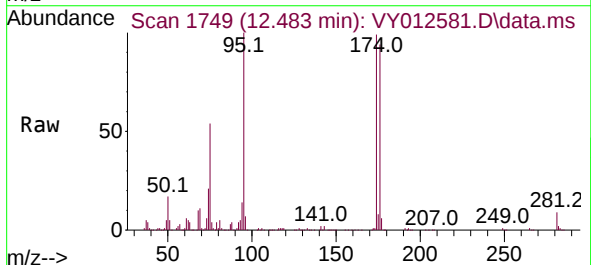
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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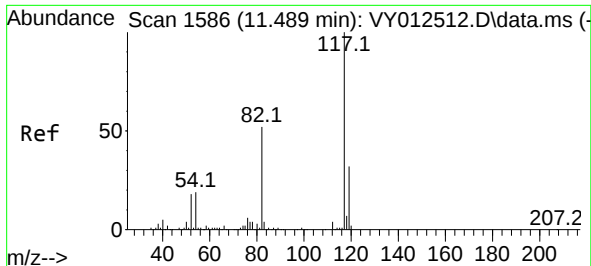
Tgt Ion: 98 Resp: 289851  
Ion Ratio Lower Upper  
98 100  
100 65.6 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 39.181 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY012581.D  
Acq: 14 Feb 2023 12:14

Tgt Ion: 95 Resp: 103298  
Ion Ratio Lower Upper  
95 100  
174 95.2 0.0 188.0  
176 92.9 0.0 183.6

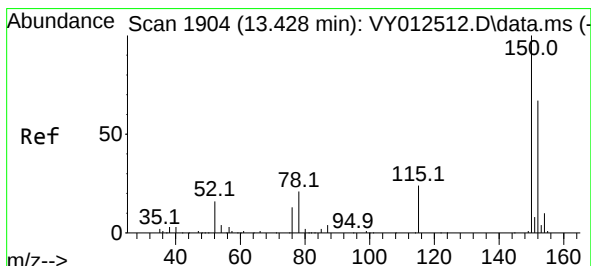
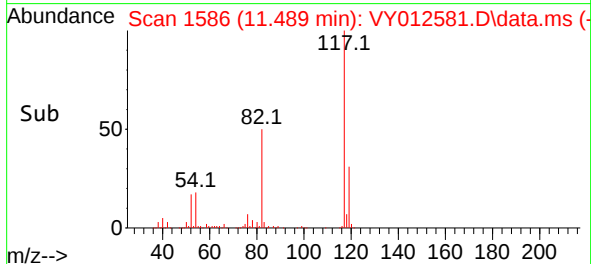
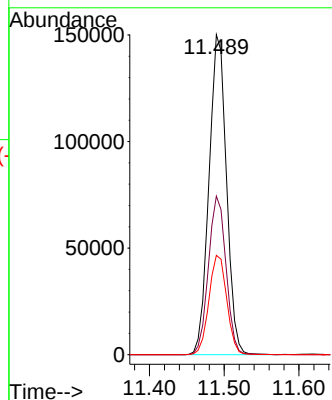
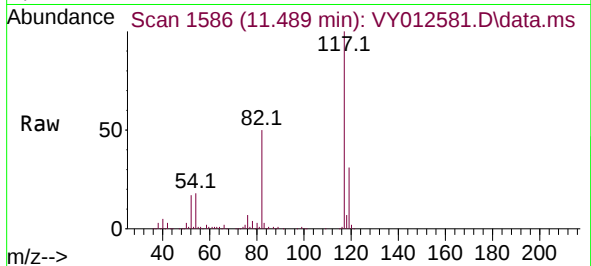




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012581.D  
Acq: 14 Feb 2023 12:14

Instrument :  
MSVOA\_Y  
ClientSampleId :  
FIELD-BLANK

Tgt Ion:117 Resp: 243812  
Ion Ratio Lower Upper  
117 100  
82 49.5 41.7 62.5  
119 31.1 25.8 38.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY012581.D  
Acq: 14 Feb 2023 12:14

Tgt Ion:152 Resp: 122046  
Ion Ratio Lower Upper  
152 100  
115 56.2 28.1 84.3  
150 155.7 0.0 351.0

