

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030123\  
 Data File : VY012742.D  
 Acq On : 01 Mar 2023 11:32  
 Operator : KP/MD  
 Sample : VY0301SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0301SBL01

Quant Time: Mar 02 02:02:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022123S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 22 01:21:05 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 98683    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 161605   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 142047   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 66965    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 59130    | 50.734   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 101.460% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 57394    | 52.581   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 105.160% |
| 50) Toluene-d8              | 10.179 | 98    | 197122   | 48.204   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 96.400%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 61595    | 47.069   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 94.140%  |

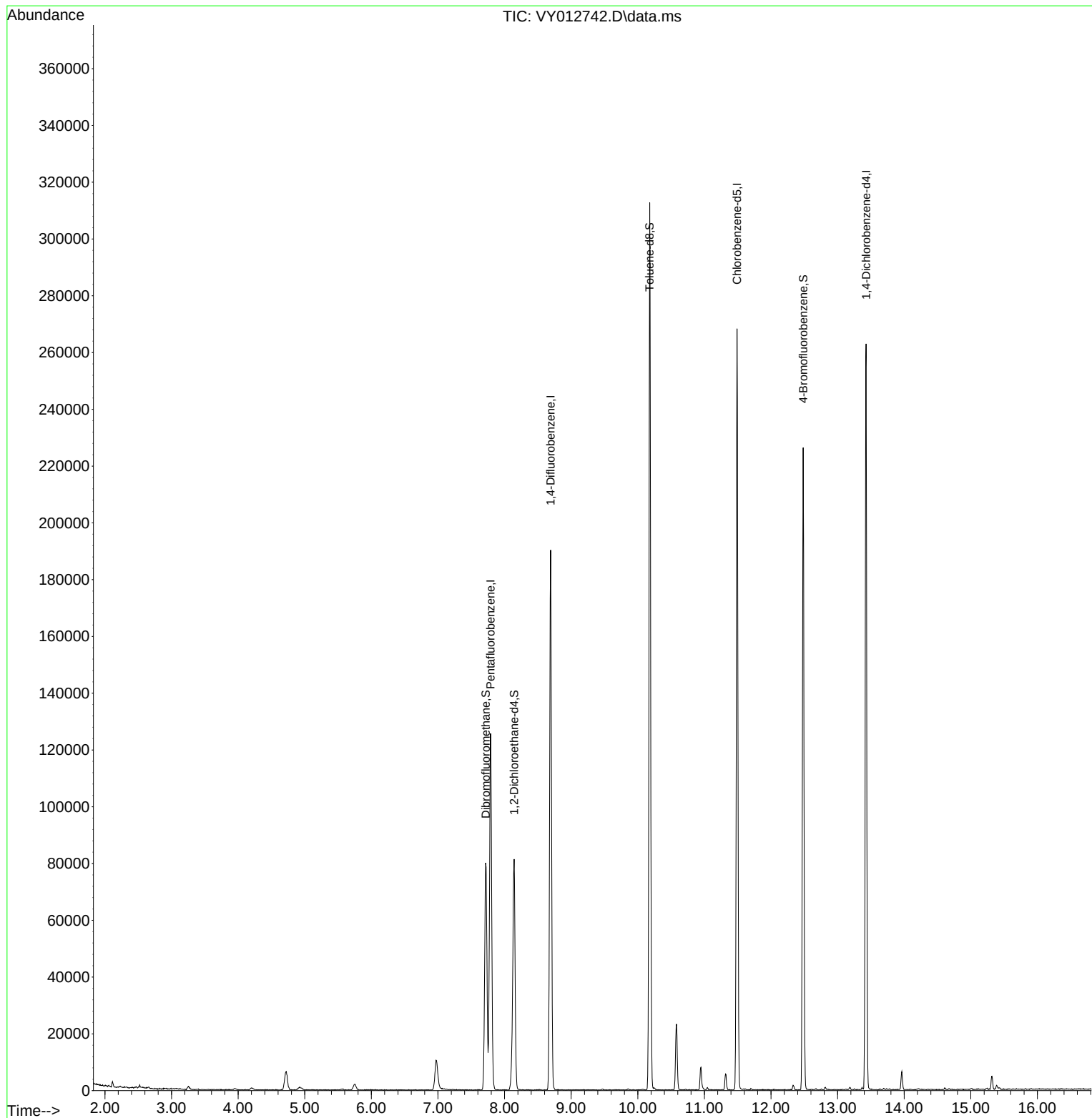
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

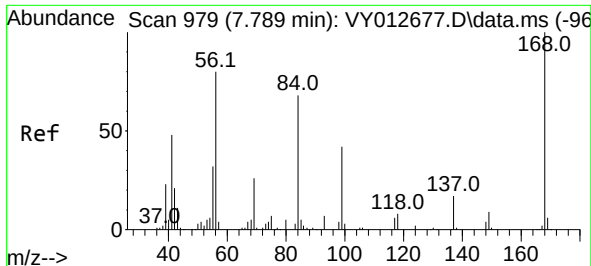
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0301SBL01

Quant Time: Mar 02 02:02:21 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022123S.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 22 01:21:05 2023  
Response via : Initial Calibration

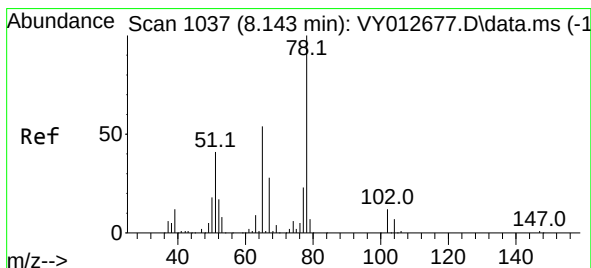
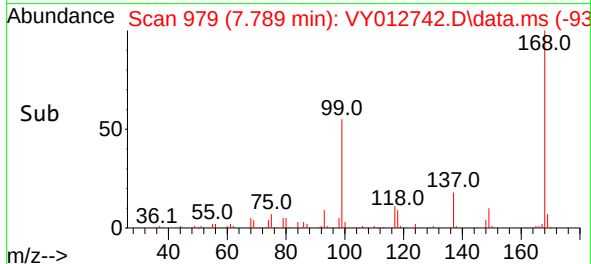
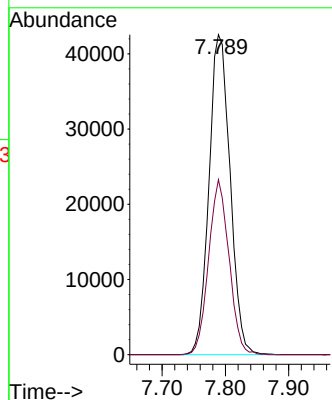
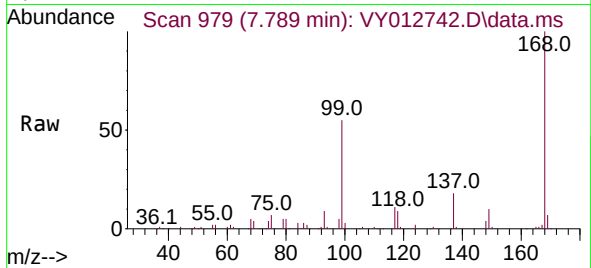




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY012742.D  
Acq: 01 Mar 2023 11:32

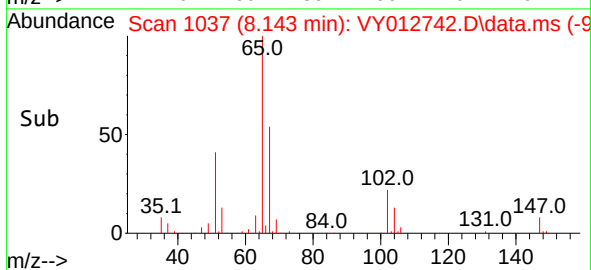
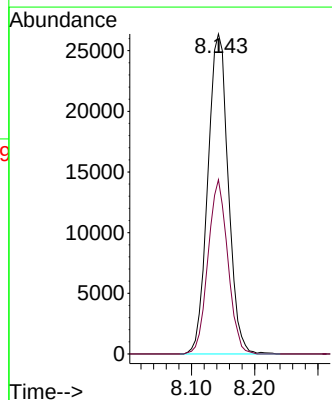
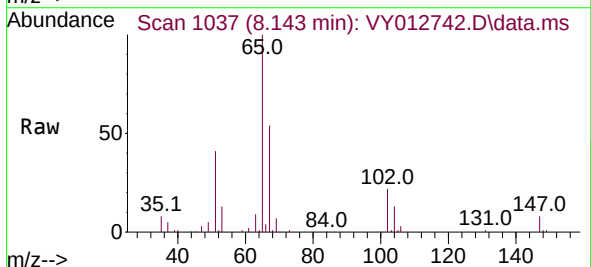
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0301SBL01

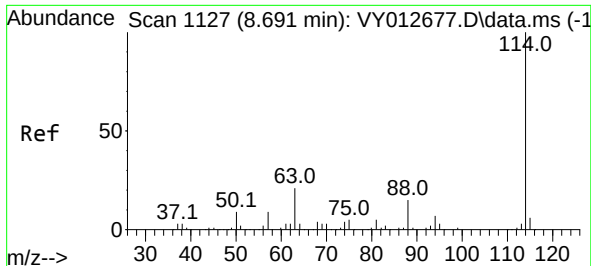
Tgt Ion:168 Resp: 98683  
Ion Ratio Lower Upper  
168 100  
99 54.7 45.4 68.2



#33  
1,2-Dichloroethane-d4  
Concen: 50.734 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY012742.D  
Acq: 01 Mar 2023 11:32

Tgt Ion: 65 Resp: 59130  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012742.D

Acq: 01 Mar 2023 11:32

Instrument :

MSVOA\_Y

ClientSampleId :

VY0301SBL01

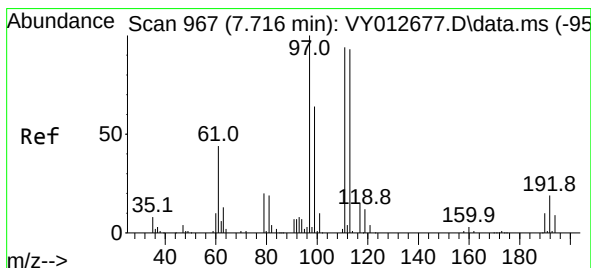
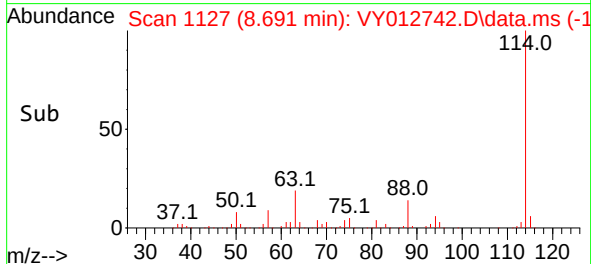
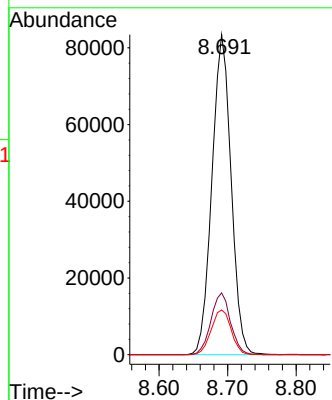
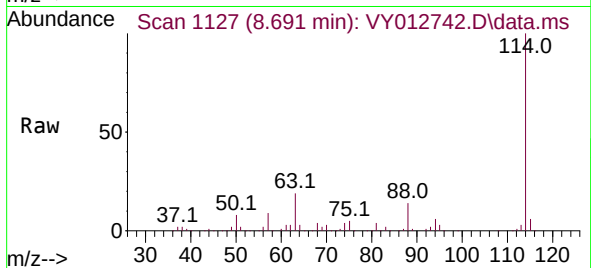
Tgt Ion:114 Resp: 161605

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.8

88 13.9 0.0 29.6



#35

Dibromofluoromethane

Concen: 52.581 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012742.D

Acq: 01 Mar 2023 11:32

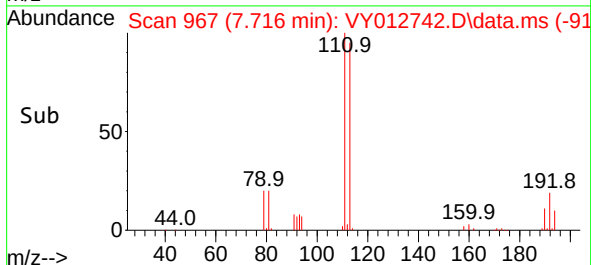
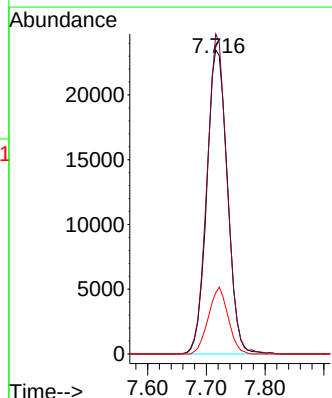
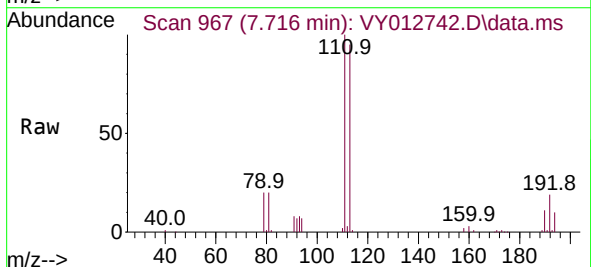
Tgt Ion:113 Resp: 57394

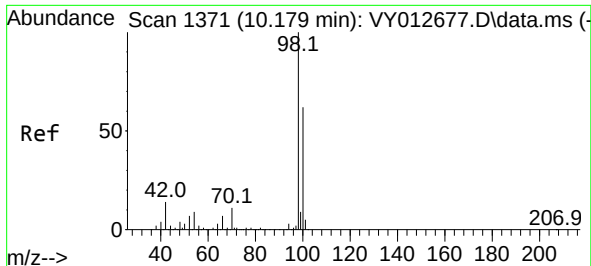
Ion Ratio Lower Upper

113 100

111 102.3 82.0 123.0

192 21.0 16.2 24.2

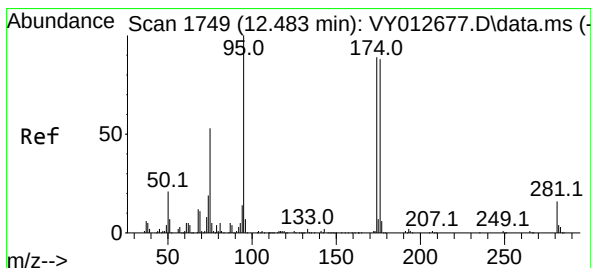
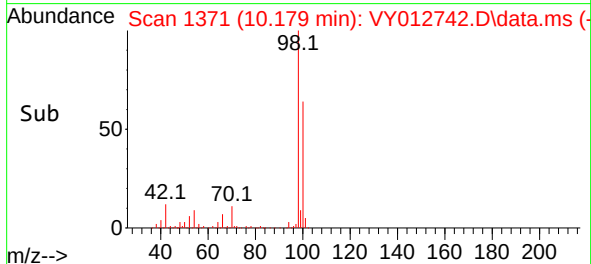
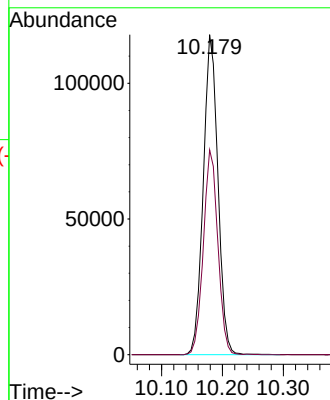
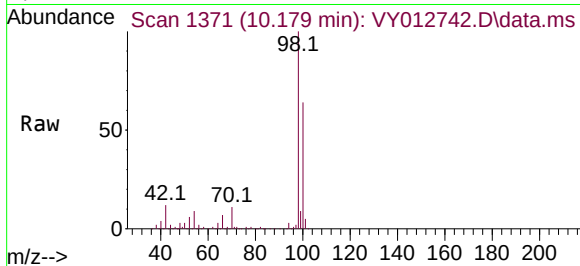




#50  
Toluene-d8  
Concen: 48.204 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY012742.D  
Acq: 01 Mar 2023 11:32

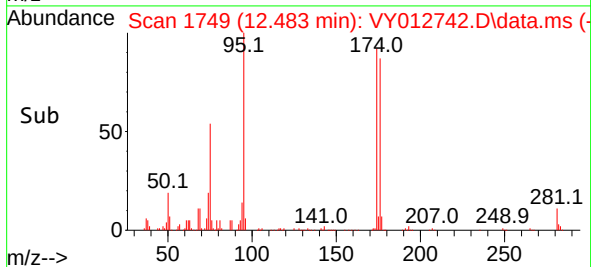
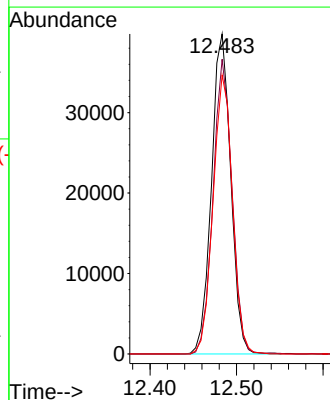
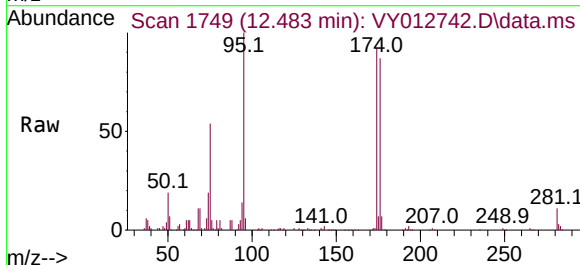
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0301SBL01

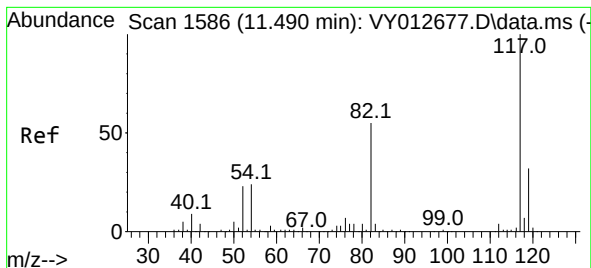
Tgt Ion: 98 Resp: 197122  
Ion Ratio Lower Upper  
98 100  
100 63.3 51.2 76.8



#62  
4-Bromofluorobenzene  
Concen: 47.069 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY012742.D  
Acq: 01 Mar 2023 11:32

Tgt Ion: 95 Resp: 61595  
Ion Ratio Lower Upper  
95 100  
174 90.5 0.0 172.8  
176 87.4 0.0 169.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012742.D

Acq: 01 Mar 2023 11:32

Instrument :

MSVOA\_Y

ClientSampleId :

VY0301SBL01

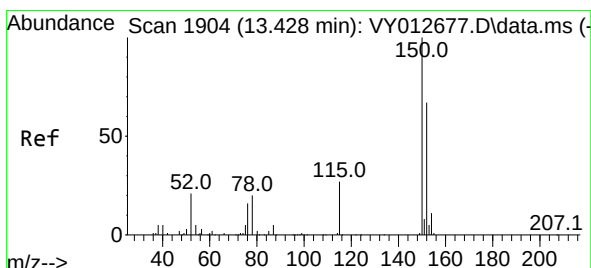
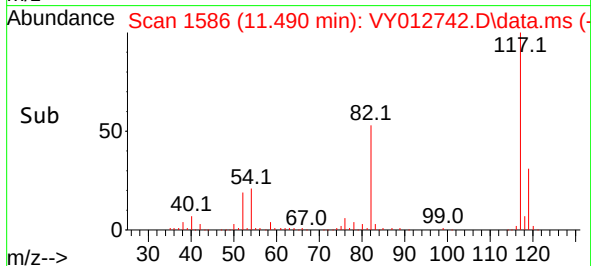
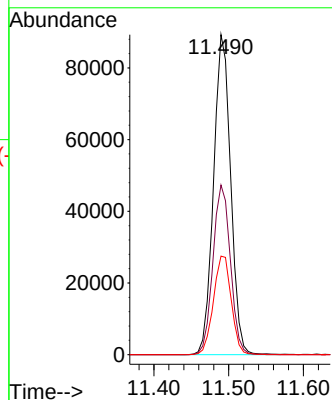
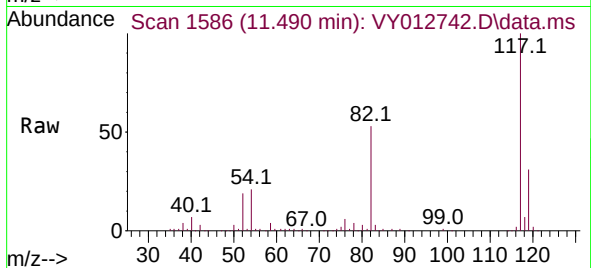
Tgt Ion:117 Resp: 142047

Ion Ratio Lower Upper

117 100

82 53.0 44.1 66.1

119 30.8 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY012742.D

Acq: 01 Mar 2023 11:32

Tgt Ion:152 Resp: 66965

Ion Ratio Lower Upper

152 100

115 55.3 28.7 86.3

150 157.8 0.0 347.6

