

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022124\  
 Data File : VY017434.D  
 Acq On : 21 Feb 2024 13:44  
 Operator : SY/MD  
 Sample : P1537-01  
 Misc : 5.29g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 1

Quant Time: Feb 22 03:25:16 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 20 06:16:24 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.813  | 168  | 3069     | 50.000 | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene    | 8.716  | 114  | 5381     | 50.000 | ug/l  | 0.02     |
| 63) Chlorobenzene-d5       | 11.502 | 117  | 4610     | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.434 | 152  | 807      | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.161  | 65    | 1751     | 66.786   | ug/l | 0.01     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 133.580% |
| 35) Dibromofluoromethane    | 7.734  | 113   | 1580     | 50.161   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 100.320% |
| 50) Toluene-d8              | 10.197 | 98    | 4268     | 34.937   | ug/l | 0.01     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 69.880%  |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 882      | 22.628   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 45.260%  |

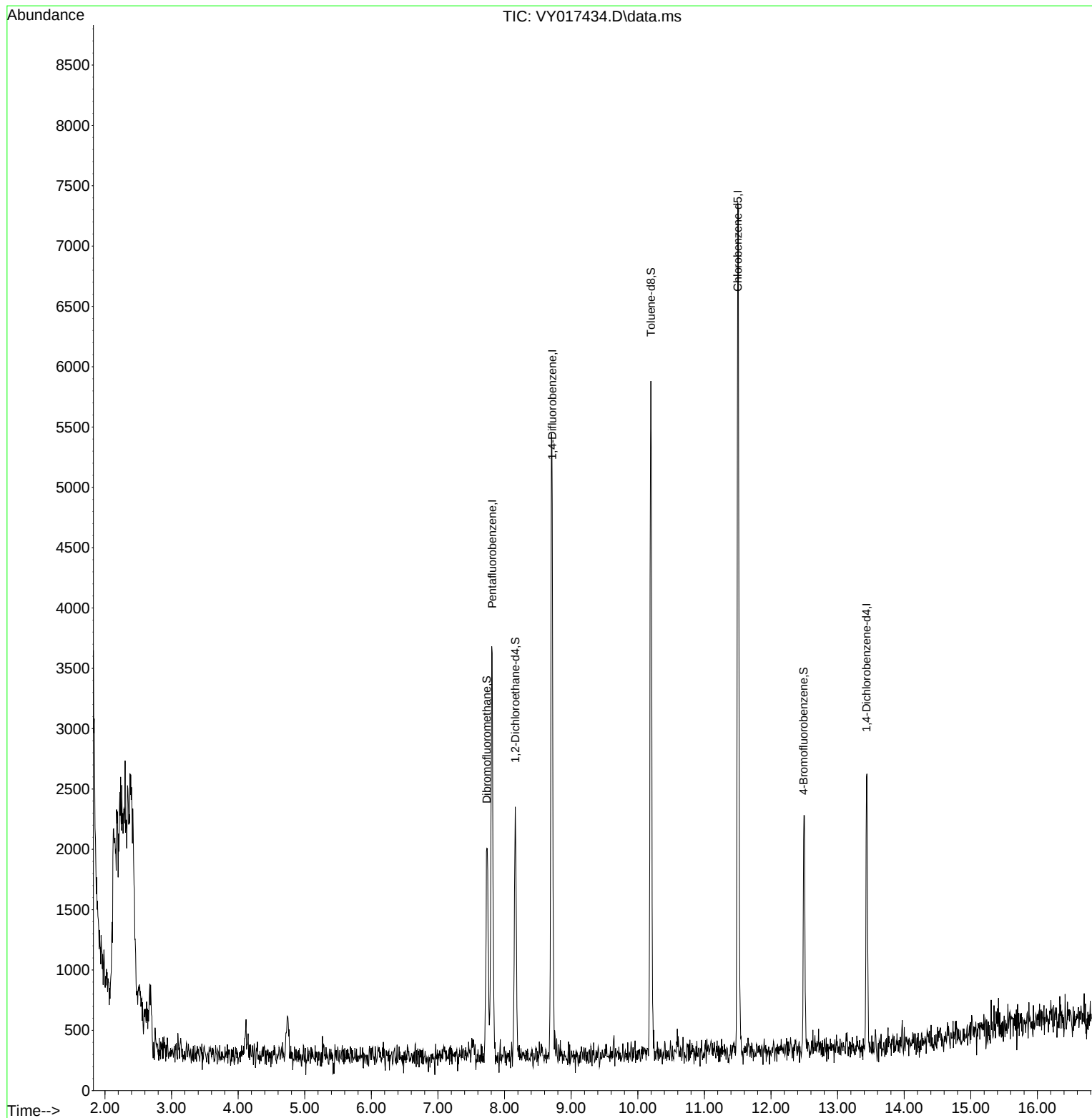
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

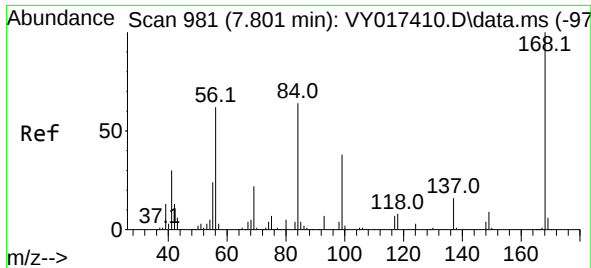
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022124\  
Data File : VY017434.D  
Acq On : 21 Feb 2024 13:44  
Operator : SY/MD  
Sample : P1537-01  
Misc : 5.29g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
1

Quant Time: Feb 22 03:25:16 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021924S.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 20 06:16:24 2024  
Response via : Initial Calibration

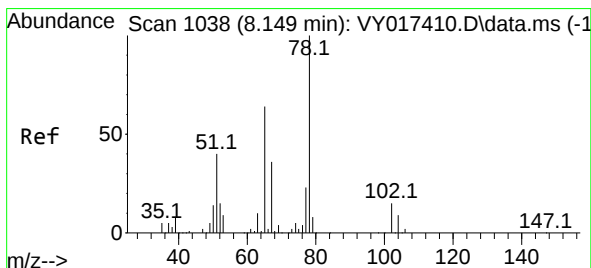
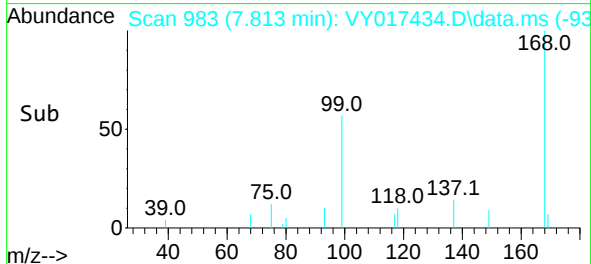
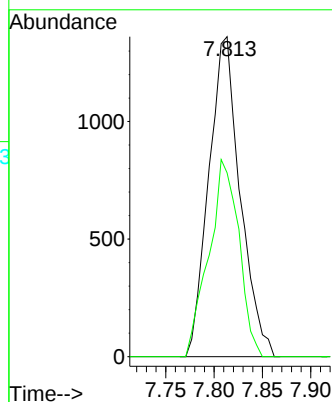
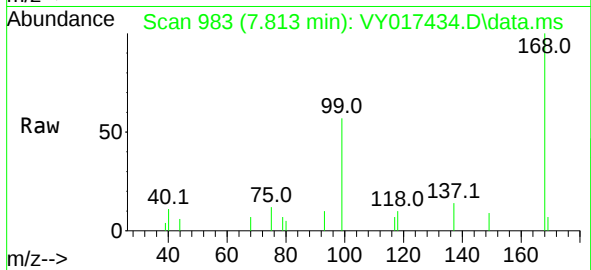




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.813 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY017434.D  
Acq: 21 Feb 2024 13:44

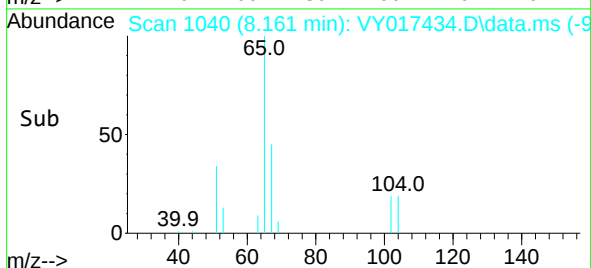
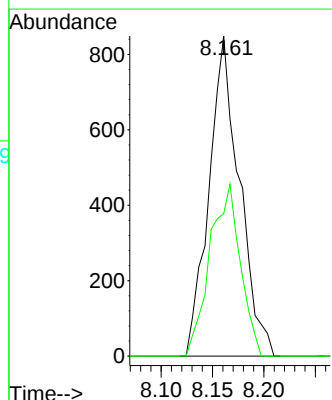
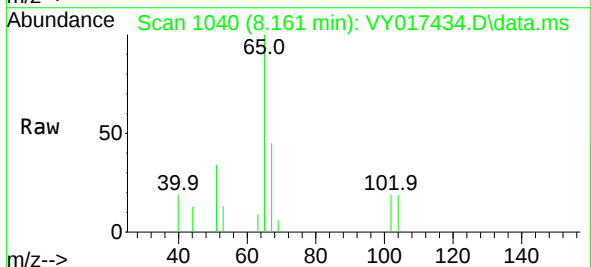
Instrument :  
MSVOA\_Y  
ClientSampleId :  
1

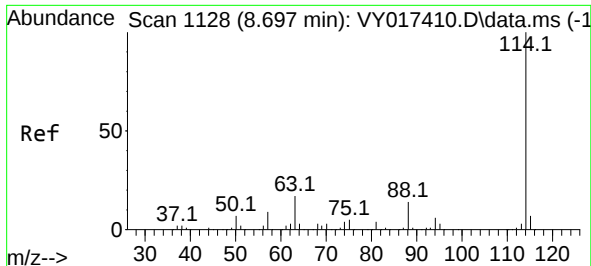
Tgt Ion:168 Resp: 3069  
Ion Ratio Lower Upper  
168 100  
99 57.5 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 66.786 ug/l  
RT: 8.161 min Scan# 1040  
Delta R.T. 0.012 min  
Lab File: VY017434.D  
Acq: 21 Feb 2024 13:44

Tgt Ion: 65 Resp: 1751  
Ion Ratio Lower Upper  
65 100  
67 53.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 11

Delta R.T. 0.018 min

Lab File: VY017434.D

Acq: 21 Feb 2024 13:44

Instrument :

MSVOA\_Y

ClientSampleId :

1

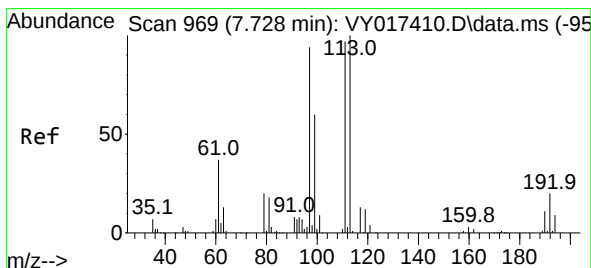
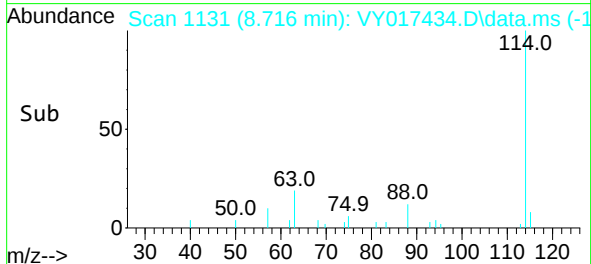
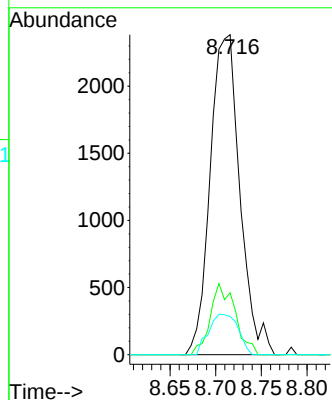
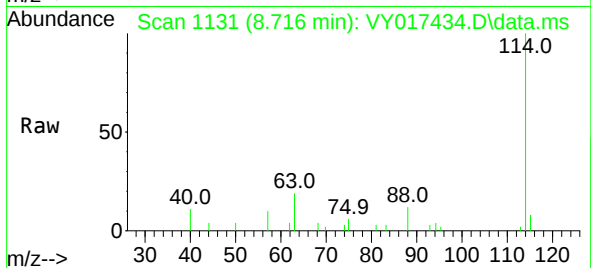
Tgt Ion:114 Resp: 5381

Ion Ratio Lower Upper

114 100

63 19.3 0.0 35.0

88 11.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 50.161 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY017434.D

Acq: 21 Feb 2024 13:44

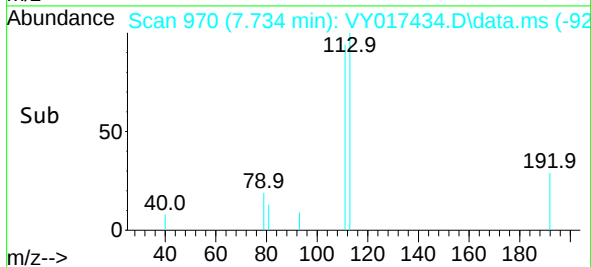
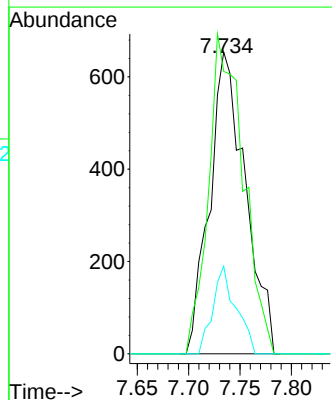
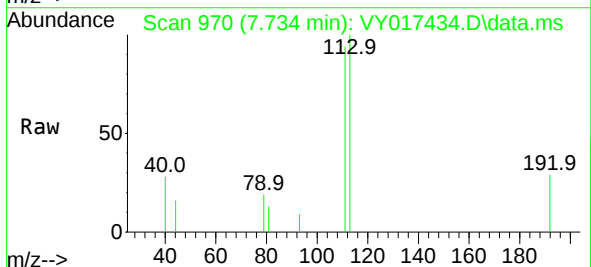
Tgt Ion:113 Resp: 1580

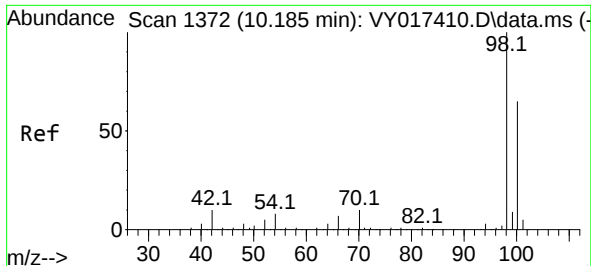
Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

192 18.8 15.9 23.9

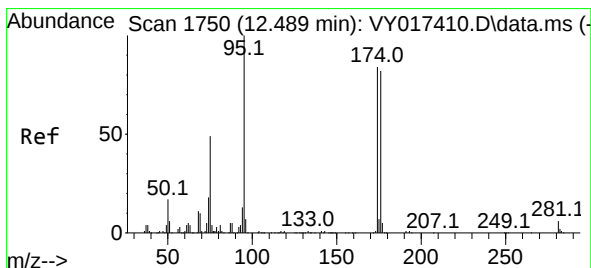
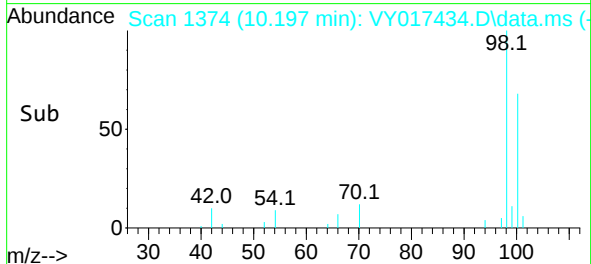
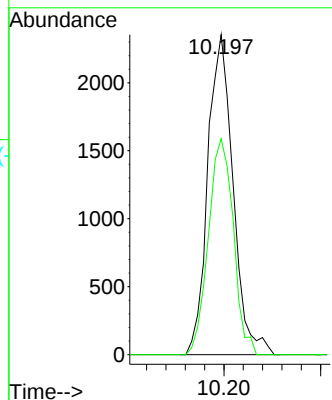
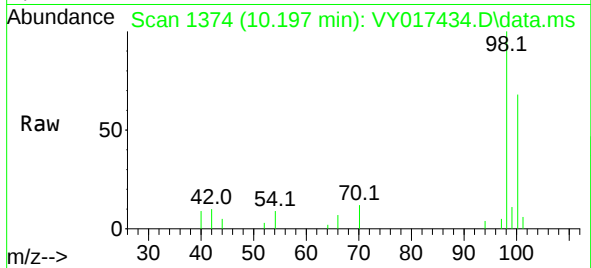




#50  
Toluene-d8  
Concen: 34.937 ug/l  
RT: 10.197 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VY017434.D  
Acq: 21 Feb 2024 13:44

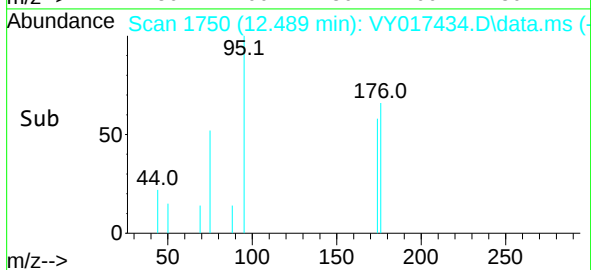
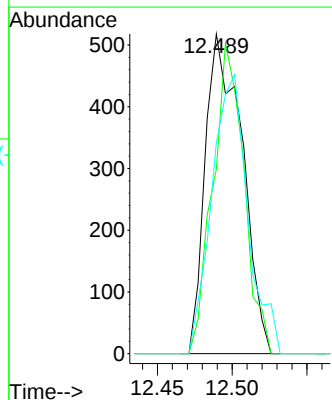
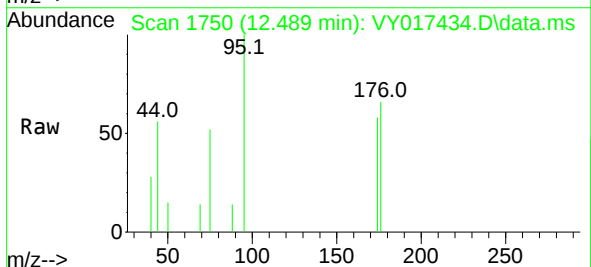
Instrument :  
MSVOA\_Y  
ClientSampleId :  
1

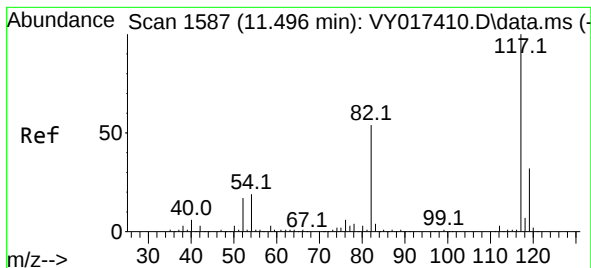
Tgt Ion: 98 Resp: 4268  
Ion Ratio Lower Upper  
98 100  
100 66.5 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 22.628 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.000 min  
Lab File: VY017434.D  
Acq: 21 Feb 2024 13:44

Tgt Ion: 95 Resp: 882  
Ion Ratio Lower Upper  
95 100  
174 82.5 0.0 175.6  
176 85.9 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017434.D

Acq: 21 Feb 2024 13:44

Instrument :

MSVOA\_Y

ClientSampleId :

1

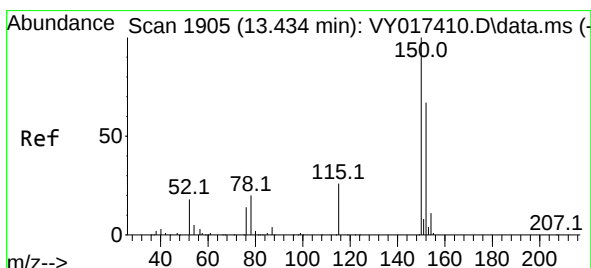
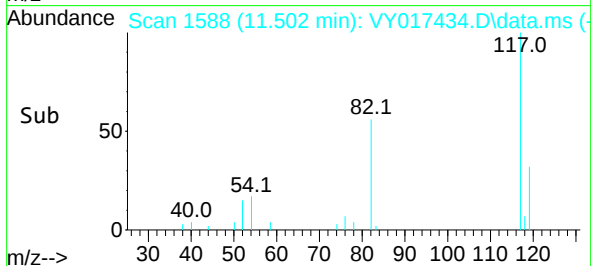
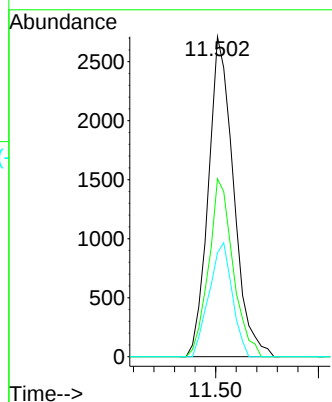
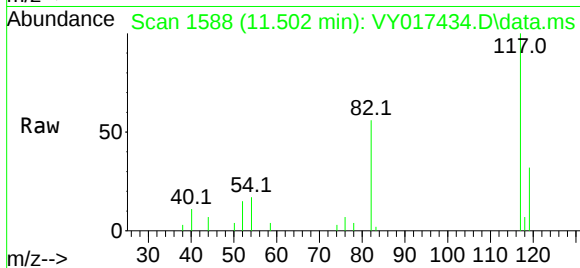
Tgt Ion:117 Resp: 4610

Ion Ratio Lower Upper

117 100

82 55.6 42.4 63.6

119 32.5 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY017434.D

Acq: 21 Feb 2024 13:44

Tgt Ion:152 Resp: 807

Ion Ratio Lower Upper

152 100

115 65.6 28.2 84.7

150 169.4 0.0 345.6

