

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020624\  
 Data File : VY017265.D  
 Acq On : 06 Feb 2024 15:25  
 Operator : SY/MD  
 Sample : P1362-07  
 Misc : 5.43g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-2-VOC

Quant Time: Feb 07 00:09:12 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 02 00:56:04 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.801  | 168  | 70190    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 133191   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.502 | 117  | 117434   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.434 | 152  | 41437    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 43859    | 69.947   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 139.900% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 44726    | 62.193   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 124.380% |
| 50) Toluene-d8              | 10.191 | 98    | 155191   | 59.270   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 118.540% |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 42993    | 50.124   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 100.240% |

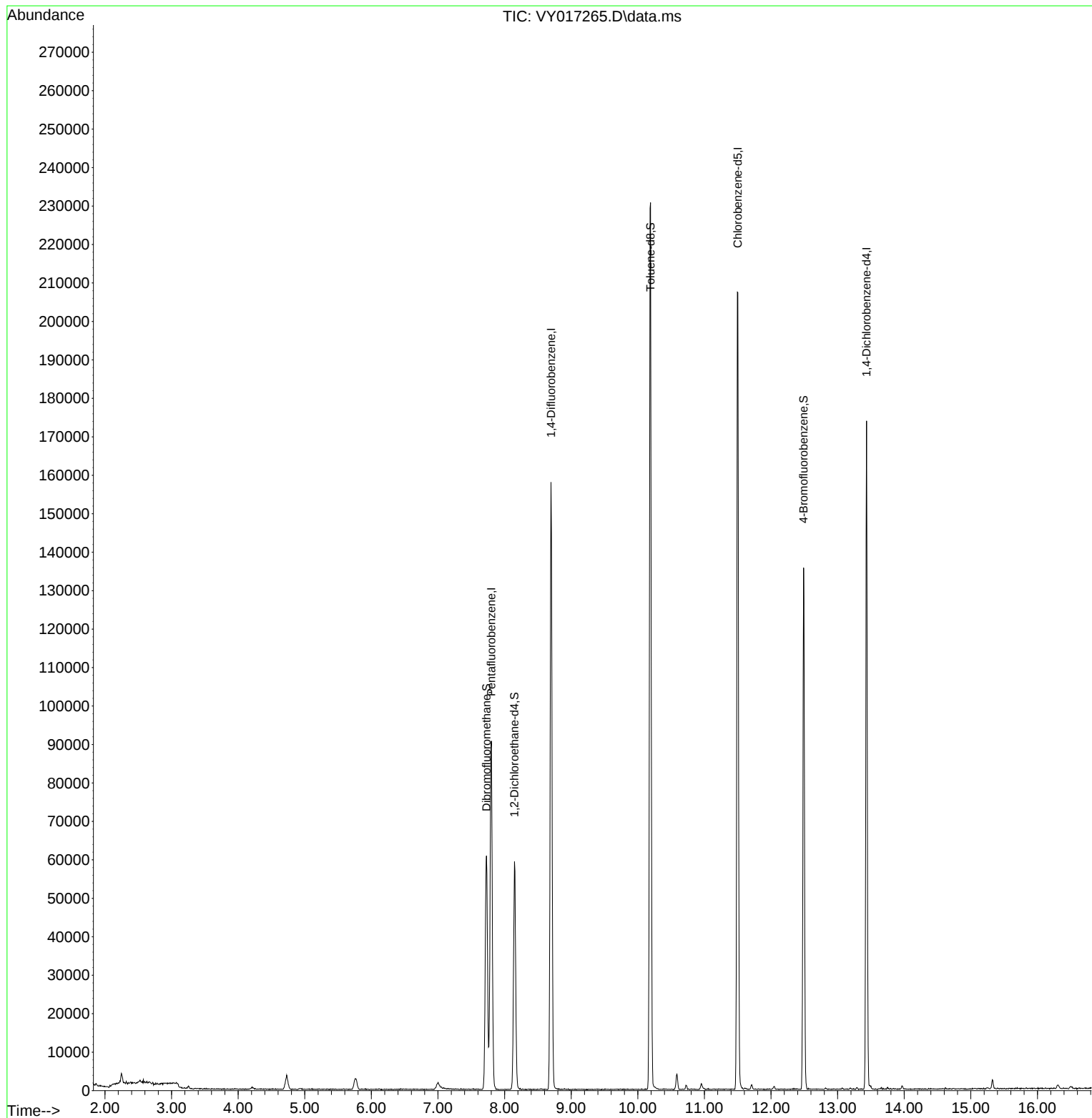
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

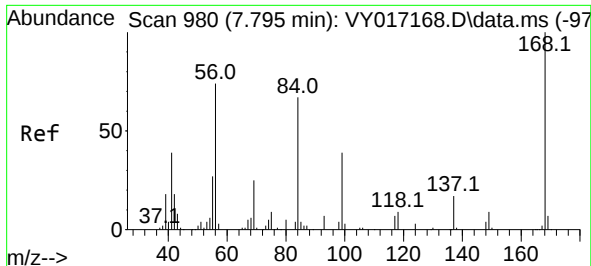
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020624\  
Data File : VY017265.D  
Acq On : 06 Feb 2024 15:25  
Operator : SY/MD  
Sample : P1362-07  
Misc : 5.43g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-2-VOC

Quant Time: Feb 07 00:09:12 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 02 00:56:04 2024  
Response via : Initial Calibration

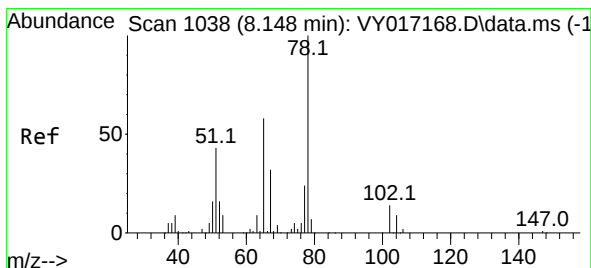
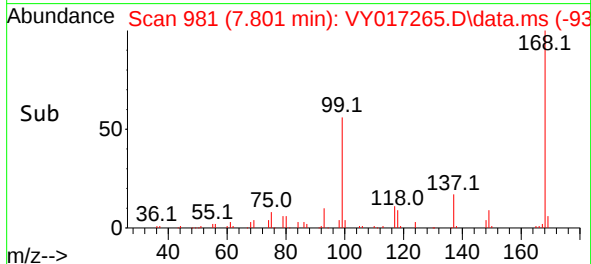
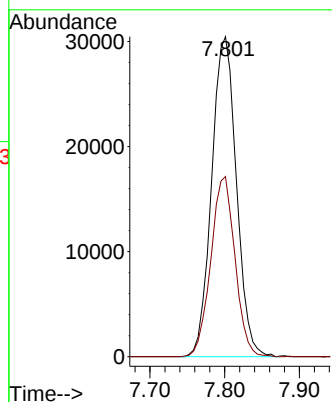
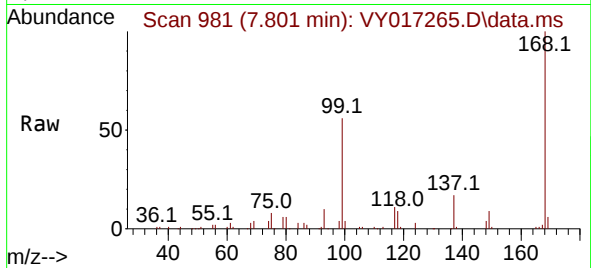




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY017265.D  
Acq: 06 Feb 2024 15:25

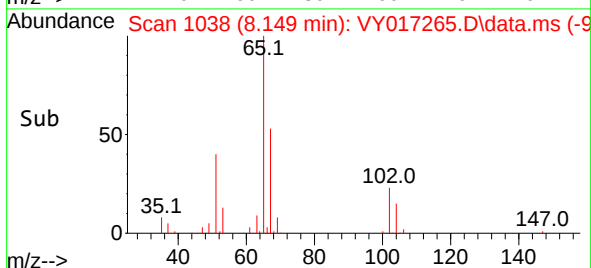
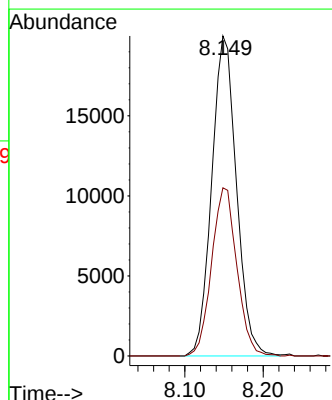
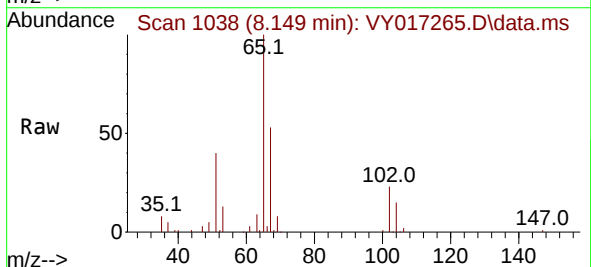
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-2-VOC

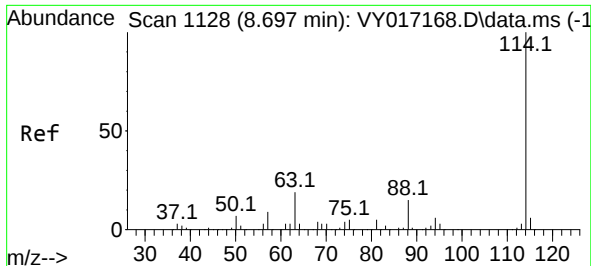
Tgt Ion:168 Resp: 70190  
Ion Ratio Lower Upper  
168 100  
99 56.3 44.2 66.4



#33  
1,2-Dichloroethane-d4  
Concen: 69.947 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY017265.D  
Acq: 06 Feb 2024 15:25

Tgt Ion: 65 Resp: 43859  
Ion Ratio Lower Upper  
65 100  
67 53.5 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY017265.D

Acq: 06 Feb 2024 15:25

Instrument :

MSVOA\_Y

ClientSampleId :

WC-2-VOC

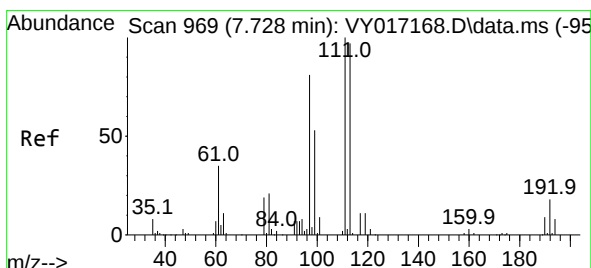
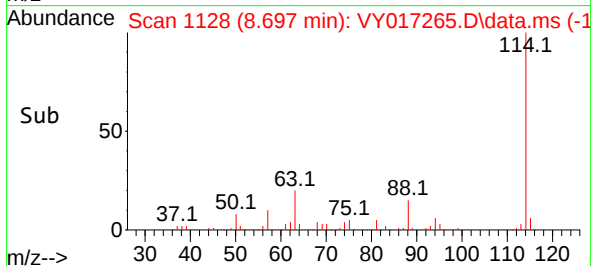
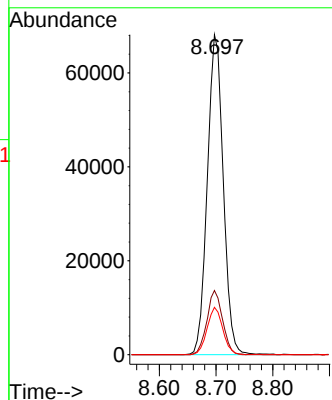
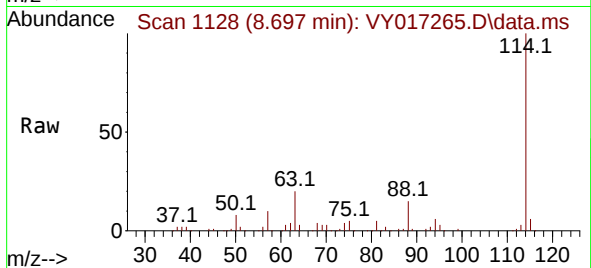
Tgt Ion:114 Resp: 133191

Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.4

88 14.8 0.0 29.0



#35

Dibromofluoromethane

Concen: 62.193 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY017265.D

Acq: 06 Feb 2024 15:25

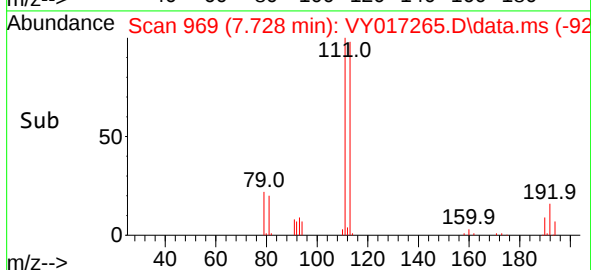
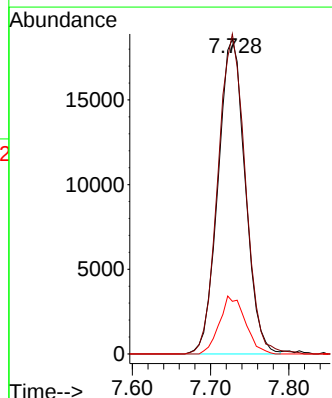
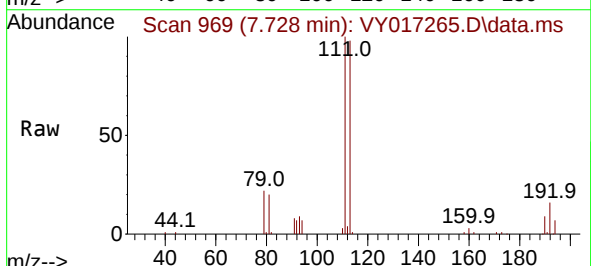
Tgt Ion:113 Resp: 44726

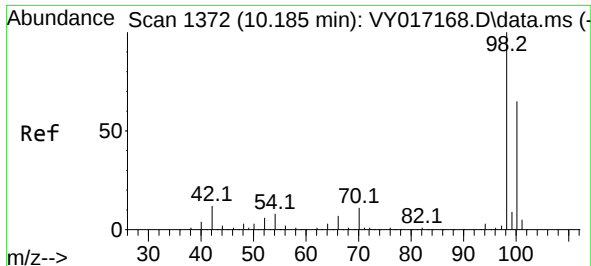
Ion Ratio Lower Upper

113 100

111 102.8 83.8 125.6

192 17.5 14.5 21.7

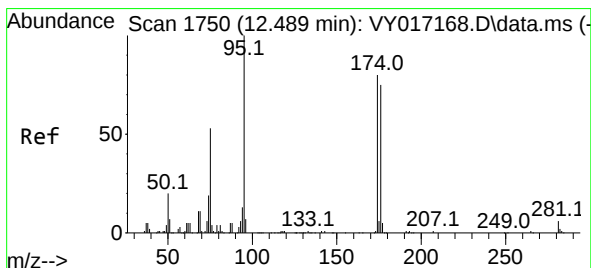
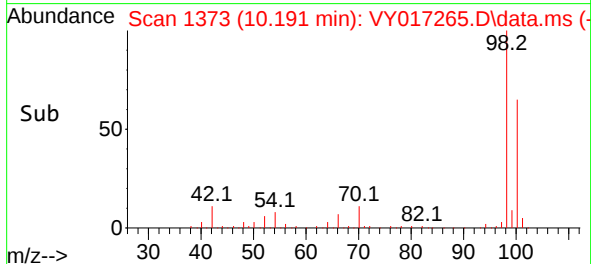
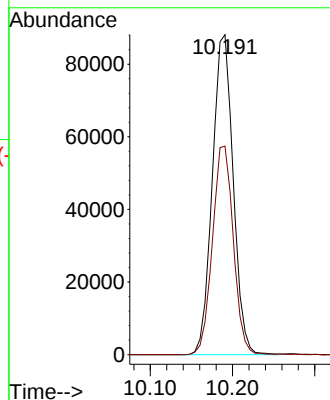
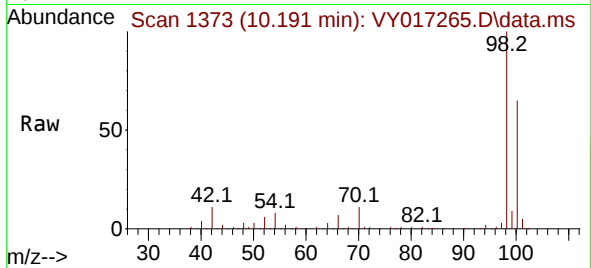




#50  
Toluene-d8  
Concen: 59.270 ug/l  
RT: 10.191 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017265.D  
Acq: 06 Feb 2024 15:25

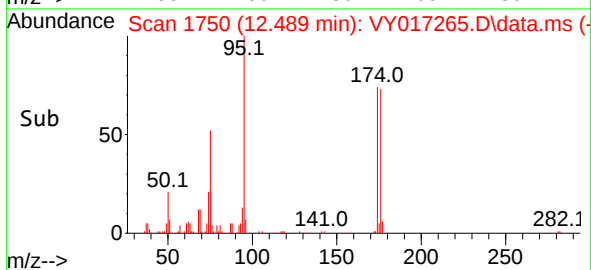
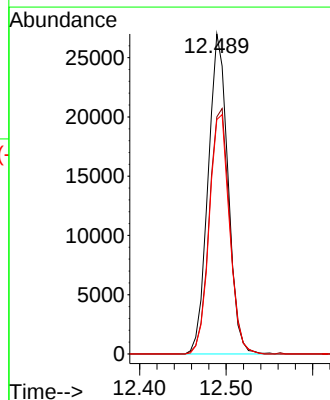
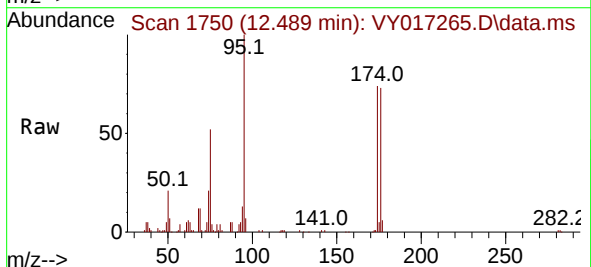
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-2-VOC

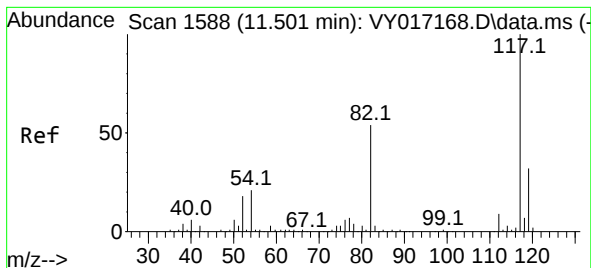
Tgt Ion: 98 Resp: 155191  
Ion Ratio Lower Upper  
98 100  
100 65.4 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 50.124 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.000 min  
Lab File: VY017265.D  
Acq: 06 Feb 2024 15:25

Tgt Ion: 95 Resp: 42993  
Ion Ratio Lower Upper  
95 100  
174 79.0 0.0 160.0  
176 76.2 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 117

Delta R.T. 0.000 min

Lab File: VY017265.D

Acq: 06 Feb 2024 15:25

Instrument :

MSVOA\_Y

ClientSampleId :

WC-2-VOC

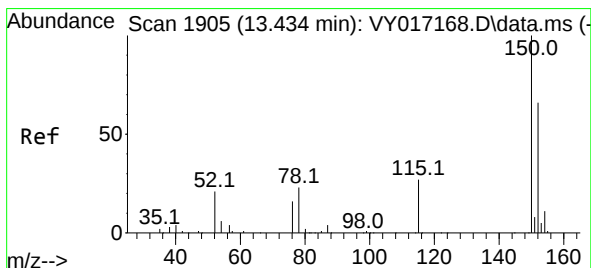
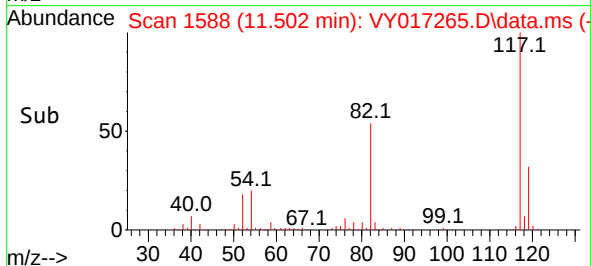
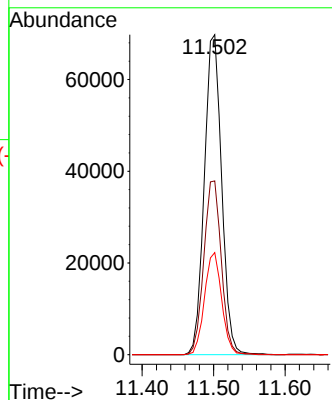
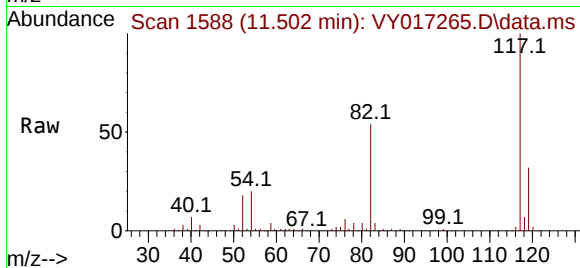
Tgt Ion:117 Resp: 117434

Ion Ratio Lower Upper

117 100

82 54.3 43.8 65.8

119 31.9 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY017265.D

Acq: 06 Feb 2024 15:25

Tgt Ion:152 Resp: 41437

Ion Ratio Lower Upper

152 100

115 59.4 30.0 90.0

150 157.0 0.0 344.6

