

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062922\  
 Data File : VY009379.D  
 Acq On : 29 Jun 2022 17:42  
 Operator : KP/MD  
 Sample : N3531-02  
 Misc : 4.99g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 W-2

Quant Time: Jun 30 05:13:08 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062822S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 29 17:35:34 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 79684    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 131700   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 120190   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 51333    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 33571    | 52.600   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 105.200% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 30644    | 42.277   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 84.560%  |
| 50) Toluene-d8              | 10.179 | 98    | 117105   | 52.694   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 105.380% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 34268    | 32.512   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 65.020%  |

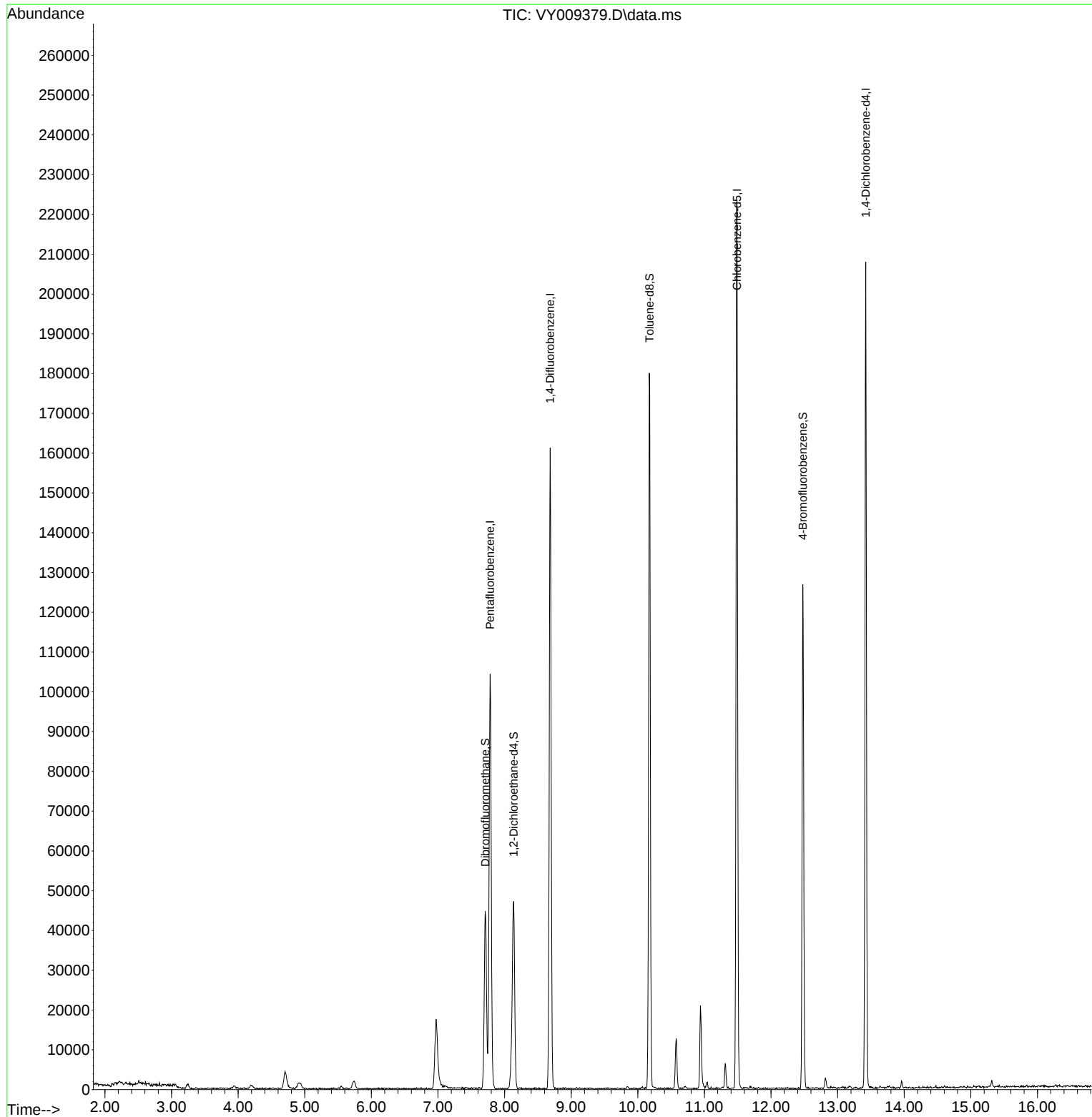
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

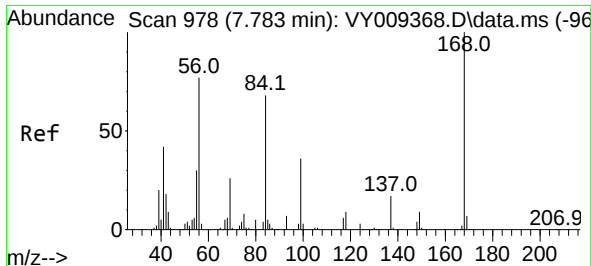
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 29 17:35:34 2022  
Response via : Initial Calibration

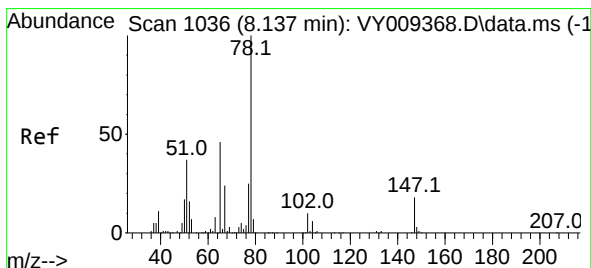
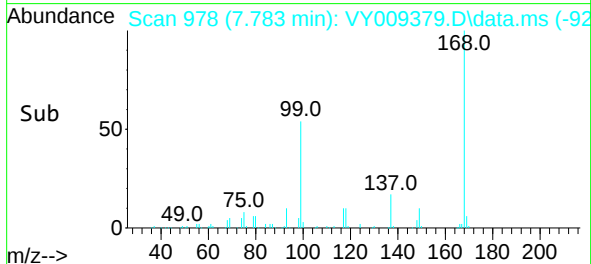
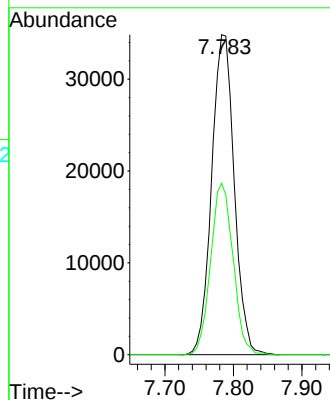
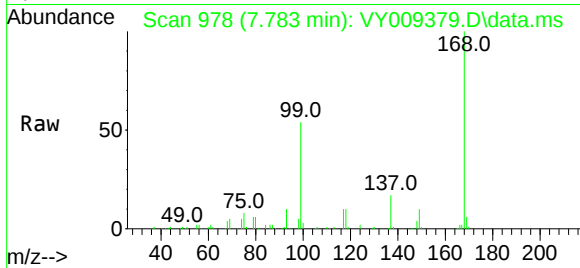




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009379.D  
Acq: 29 Jun 2022 17:42

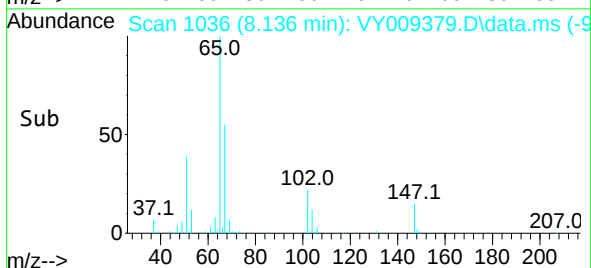
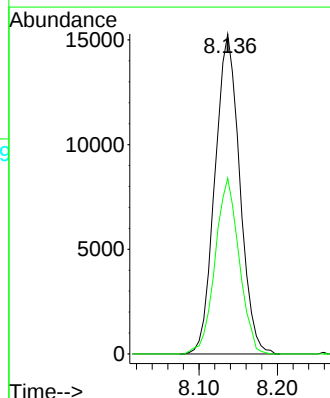
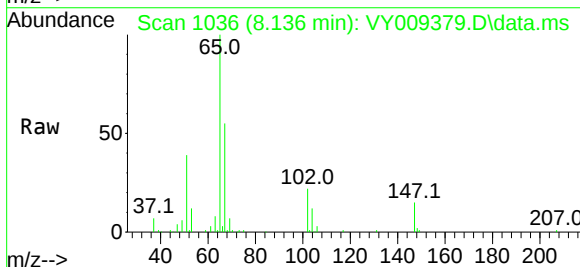
Instrument :  
MSVOA\_Y  
ClientSampleId :  
W-2

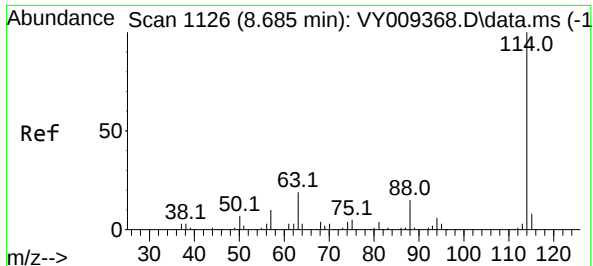
Tgt Ion:168 Resp: 79684  
Ion Ratio Lower Upper  
168 100  
99 53.6 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 52.600 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY009379.D  
Acq: 29 Jun 2022 17:42

Tgt Ion: 65 Resp: 33571  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009379.D

Acq: 29 Jun 2022 17:42

Instrument :

MSVOA\_Y

ClientSampleId :

W-2

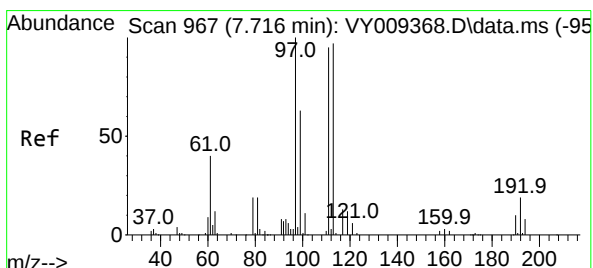
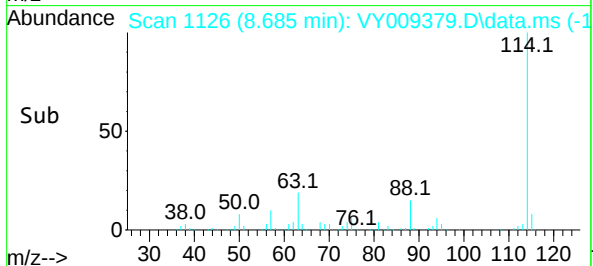
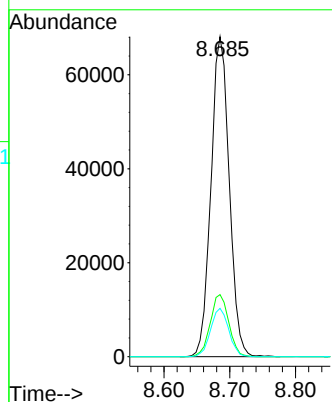
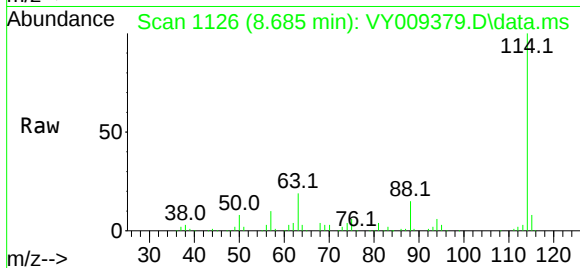
Tgt Ion:114 Resp: 131700

Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 42.277 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009379.D

Acq: 29 Jun 2022 17:42

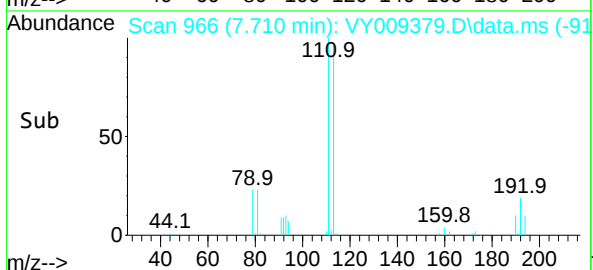
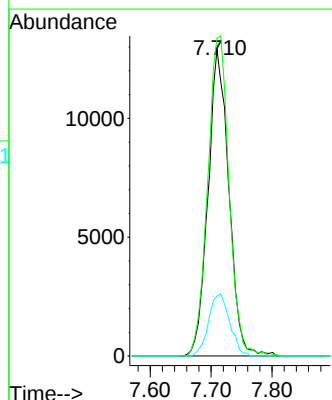
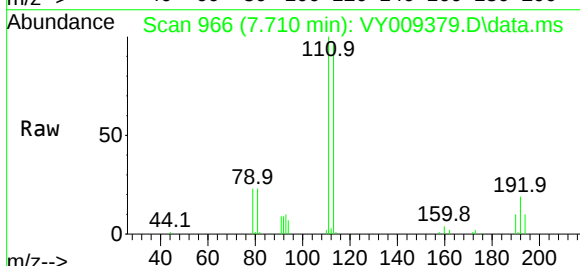
Tgt Ion:113 Resp: 30644

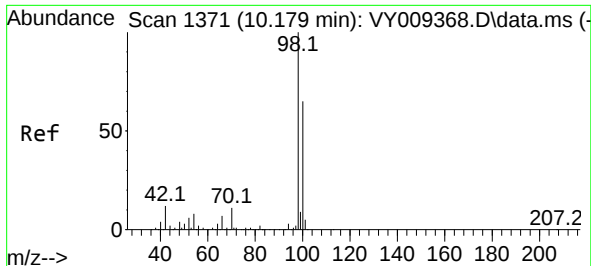
Ion Ratio Lower Upper

113 100

111 107.1 82.6 124.0

192 20.6 17.6 26.4

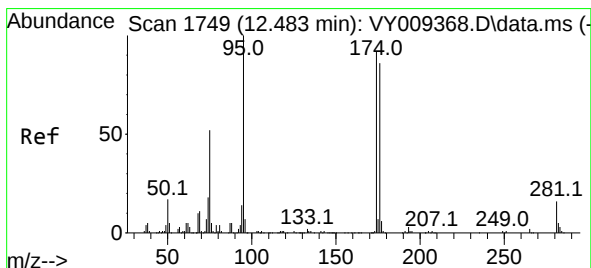
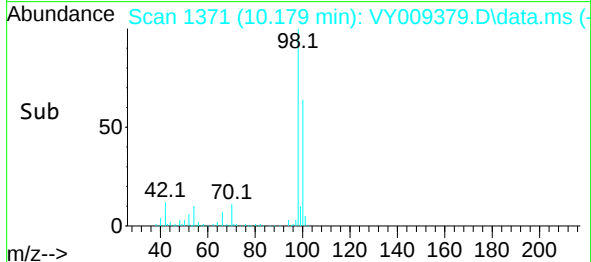
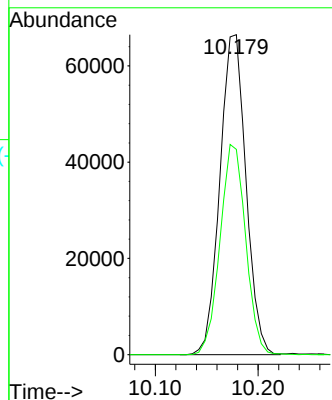
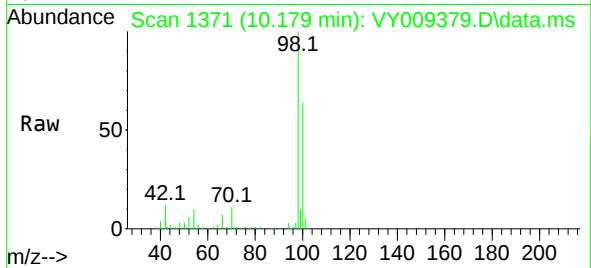




#50  
Toluene-d8  
Concen: 52.694 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY009379.D  
Acq: 29 Jun 2022 17:42

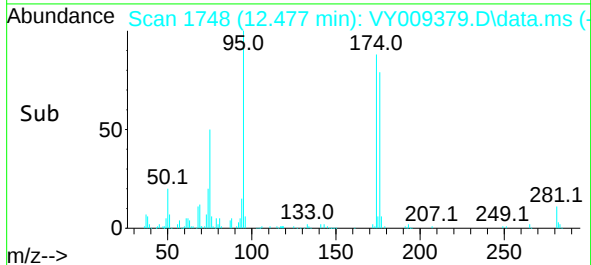
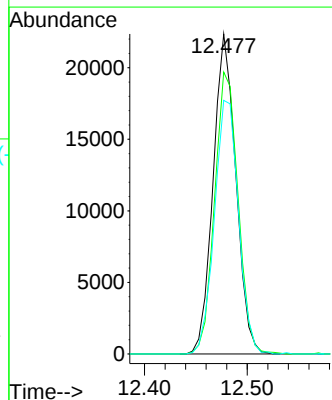
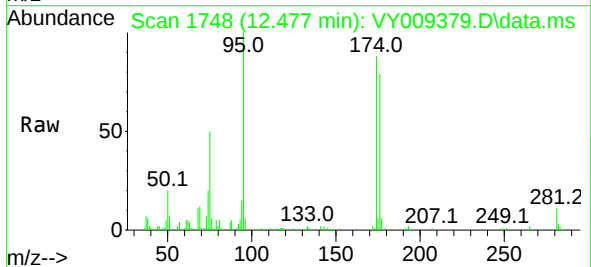
Instrument :  
MSVOA\_Y  
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W-2

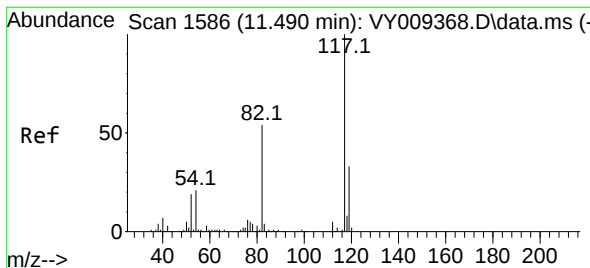
Tgt Ion: 98 Resp: 117105  
Ion Ratio Lower Upper  
98 100  
100 64.6 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 32.512 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY009379.D  
Acq: 29 Jun 2022 17:42

Tgt Ion: 95 Resp: 34268  
Ion Ratio Lower Upper  
95 100  
174 90.9 0.0 177.0  
176 84.1 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY009379.D

Acq: 29 Jun 2022 17:42

Instrument :

MSVOA\_Y

ClientSampleId :

W-2

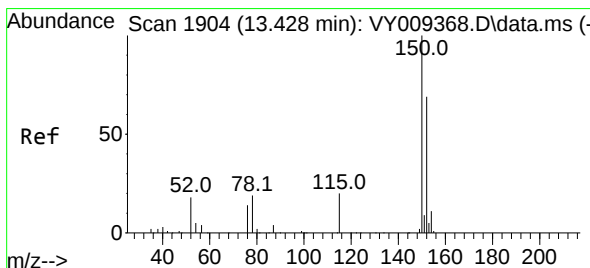
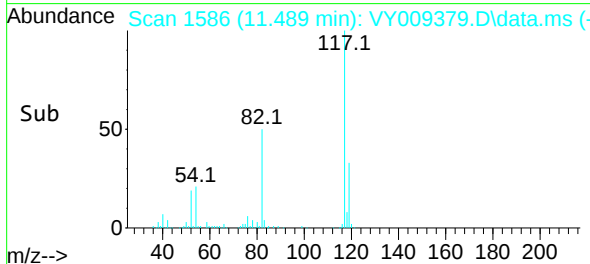
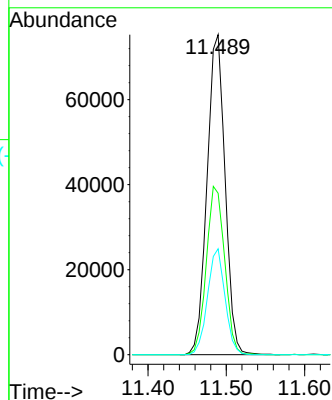
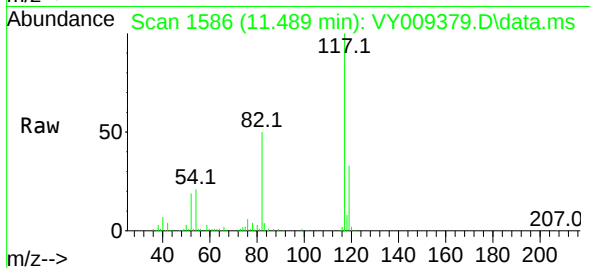
Tgt Ion:117 Resp: 120190

Ion Ratio Lower Upper

117 100

82 50.4 43.0 64.4

119 33.1 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY009379.D

Acq: 29 Jun 2022 17:42

Tgt Ion:152 Resp: 51333

Ion Ratio Lower Upper

152 100

115 54.5 28.2 84.7

150 155.5 0.0 347.6

