

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061622\  
 Data File : VY009209.D  
 Acq On : 16 Jun 2022 18:03  
 Operator : KP/MD  
 Sample : N3301-01  
 Misc : 6.39g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B-216(28-30)

Quant Time: Jun 17 02:27:47 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061522S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 16 02:54:06 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 215839   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 359146   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 308436   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 132991   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 111812   | 49.592   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 99.180% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 105703   | 46.943   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 93.880% |
| 50) Toluene-d8              | 10.179 | 98    | 420857   | 49.100   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 98.200% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 134730   | 44.233   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 88.460% |

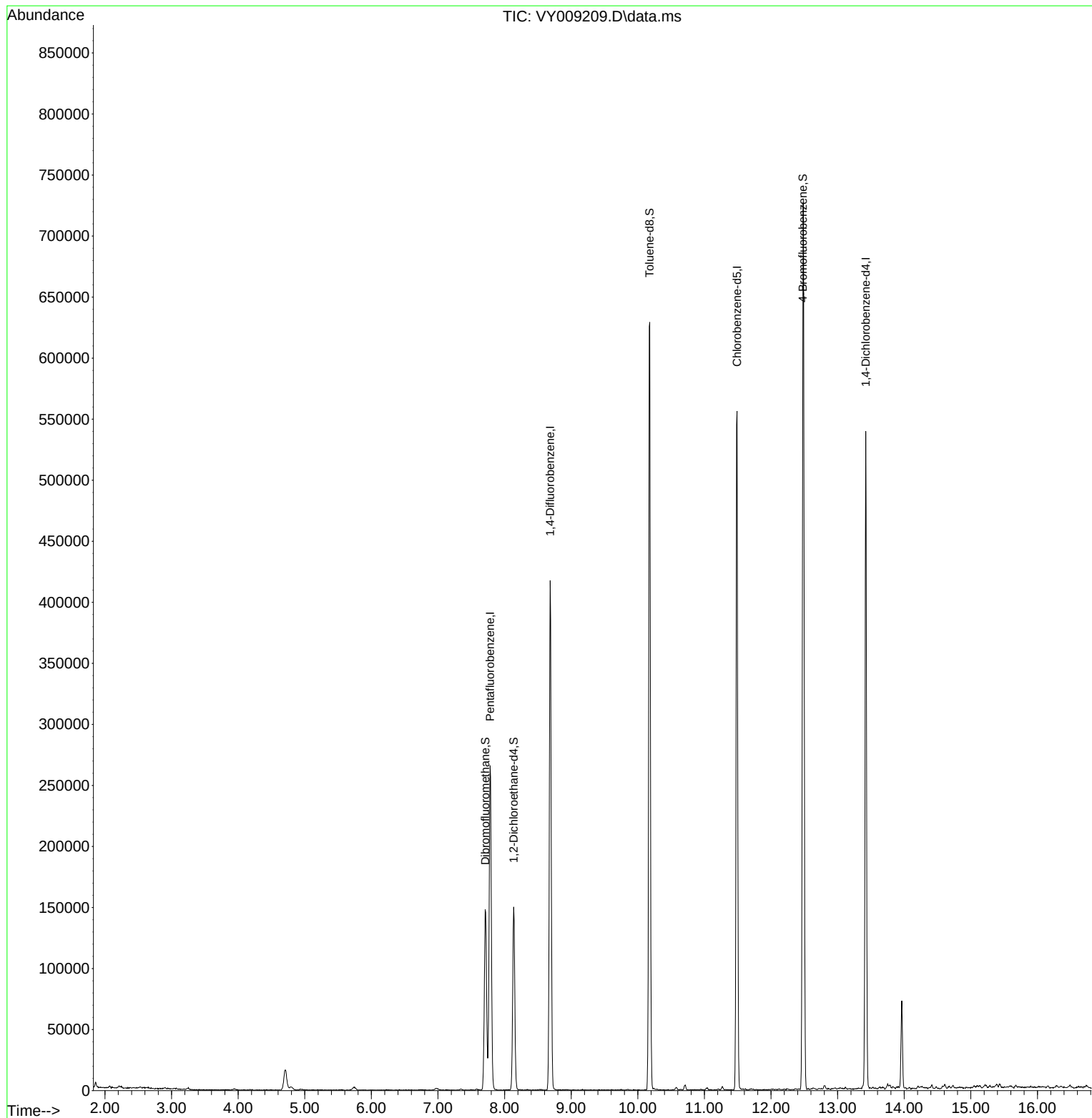
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

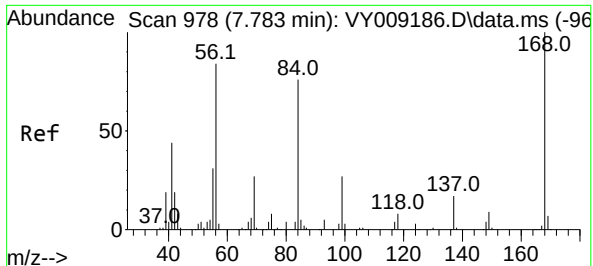
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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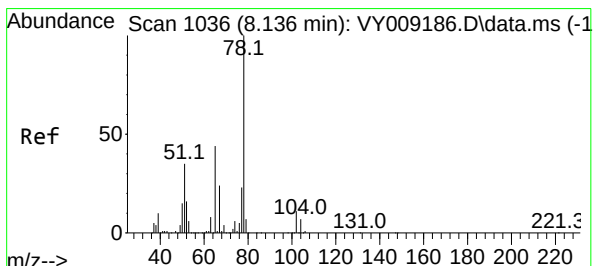
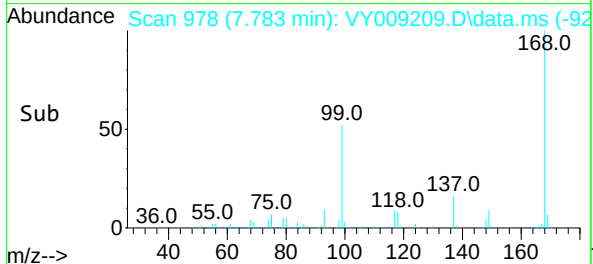
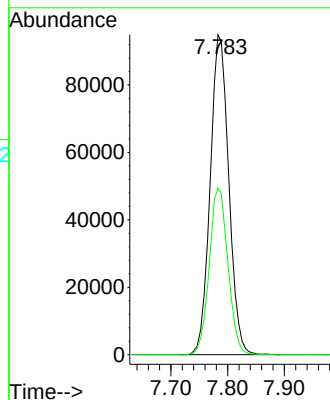
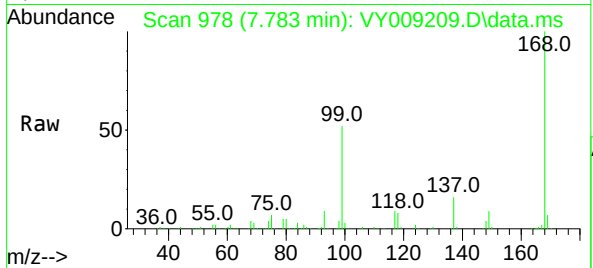




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009209.D  
Acq: 16 Jun 2022 18:03

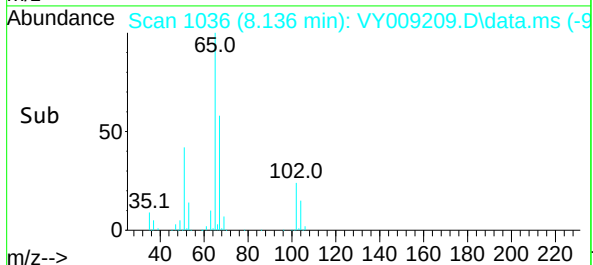
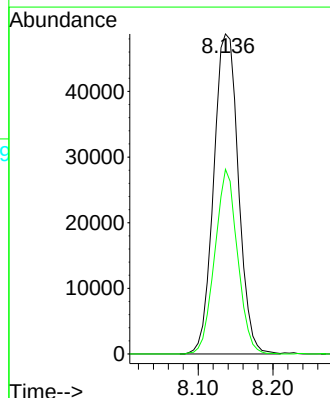
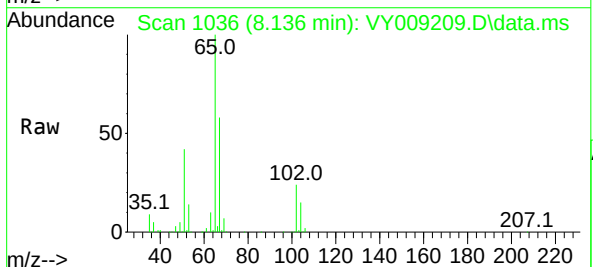
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-216(28-30)

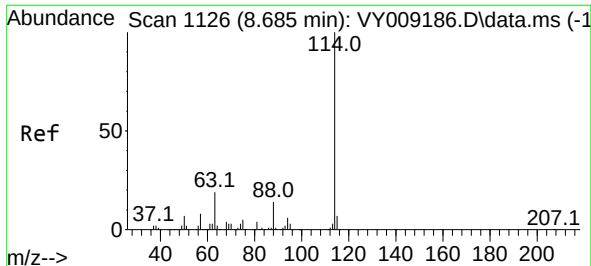
Tgt Ion:168 Resp: 215839  
Ion Ratio Lower Upper  
168 100  
99 52.1 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 49.592 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY009209.D  
Acq: 16 Jun 2022 18:03

Tgt Ion: 65 Resp: 111812  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 99.4

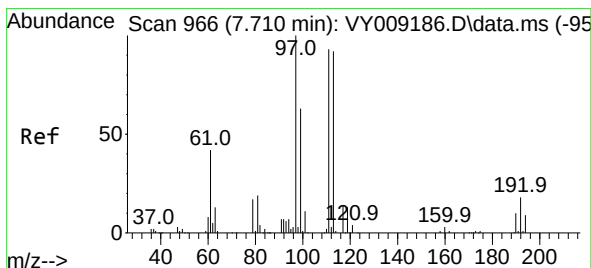
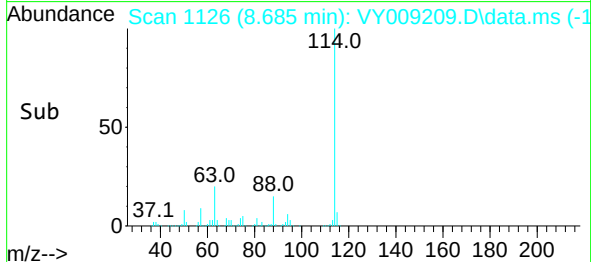
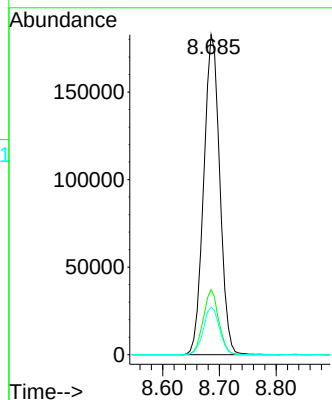
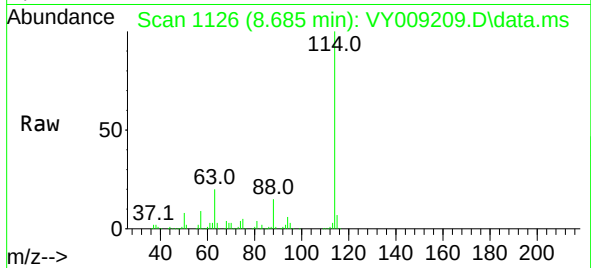




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VY009209.D  
Acq: 16 Jun 2022 18:03

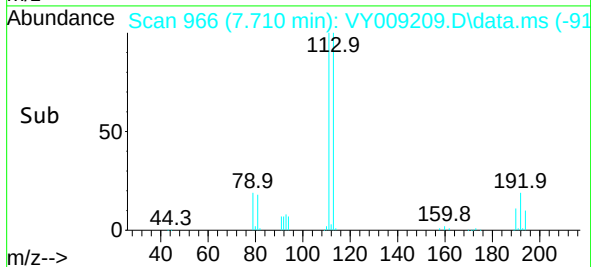
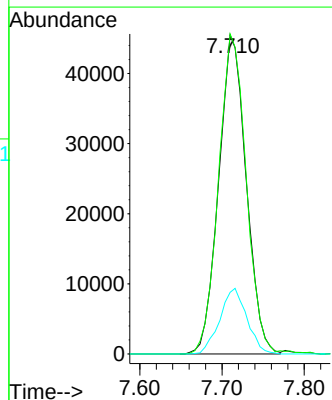
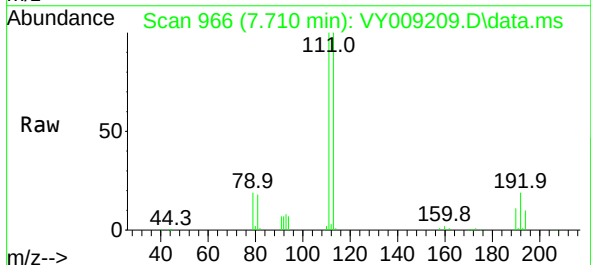
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-216(28-30)

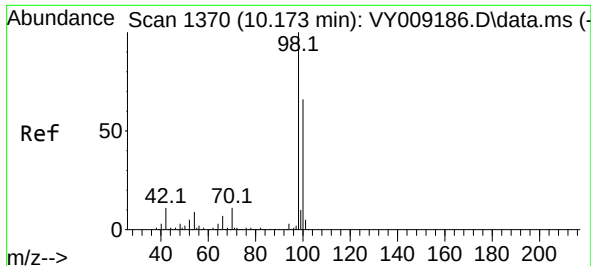
Tgt Ion:114 Resp: 359146  
Ion Ratio Lower Upper  
114 100  
63 20.3 0.0 43.2  
88 14.9 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 46.943 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. 0.000 min  
Lab File: VY009209.D  
Acq: 16 Jun 2022 18:03

Tgt Ion:113 Resp: 105703  
Ion Ratio Lower Upper  
113 100  
111 101.3 82.6 124.0  
192 20.3 17.6 26.4

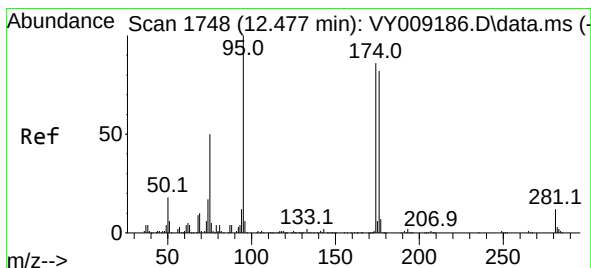
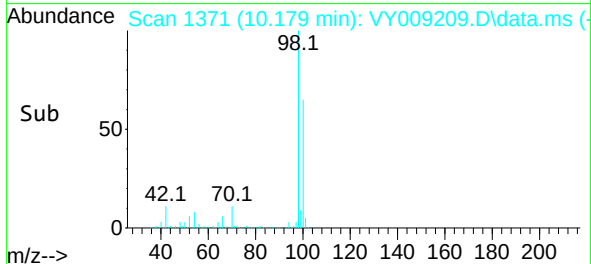
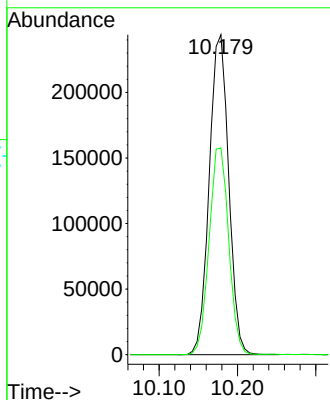
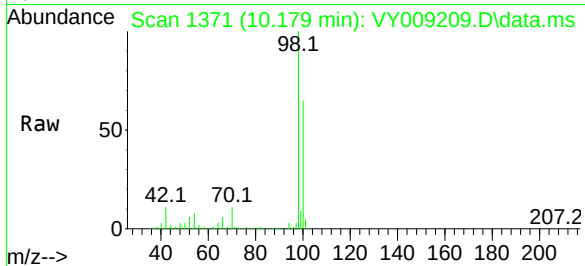




#50  
Toluene-d8  
Concen: 49.100 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY009209.D  
Acq: 16 Jun 2022 18:03

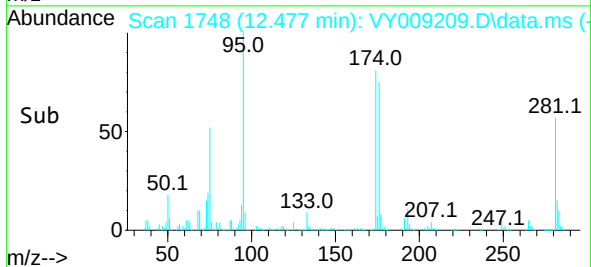
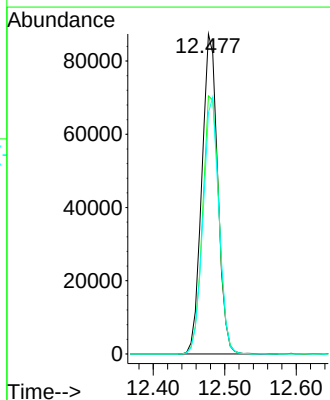
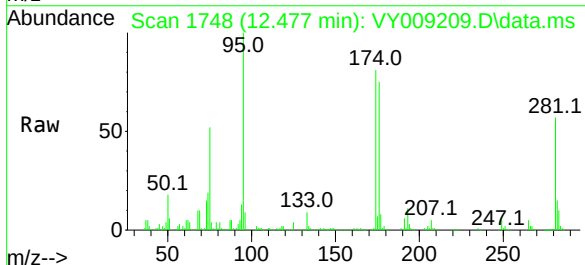
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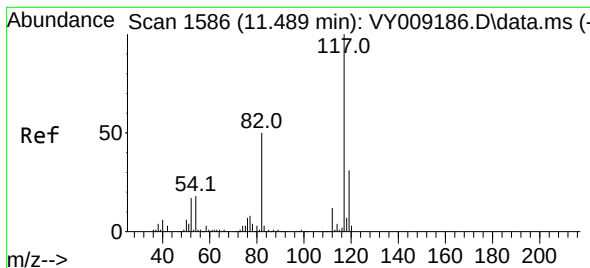
Tgt Ion: 98 Resp: 420857  
Ion Ratio Lower Upper  
98 100  
100 65.0 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 44.233 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY009209.D  
Acq: 16 Jun 2022 18:03

Tgt Ion: 95 Resp: 134730  
Ion Ratio Lower Upper  
95 100  
174 83.1 0.0 177.0  
176 80.3 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY009209.D

Acq: 16 Jun 2022 18:03

Instrument :

MSVOA\_Y

ClientSampleId :

B-216(28-30)

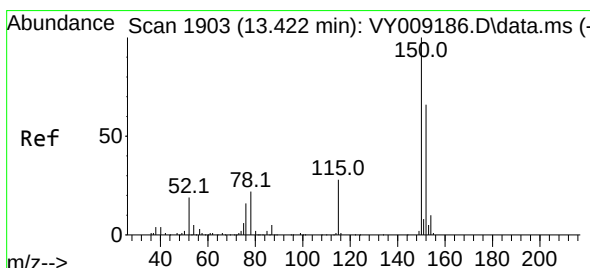
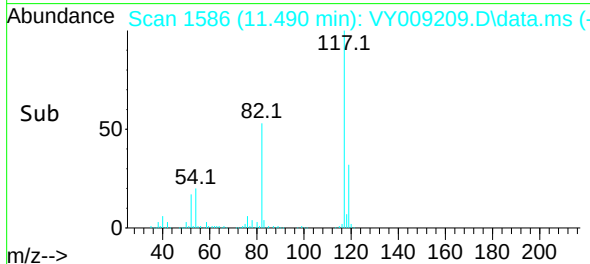
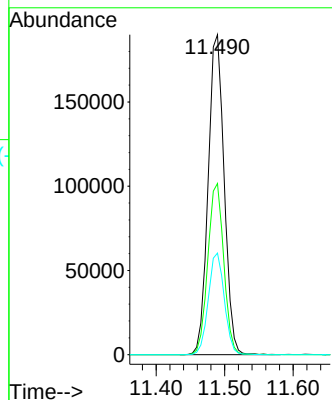
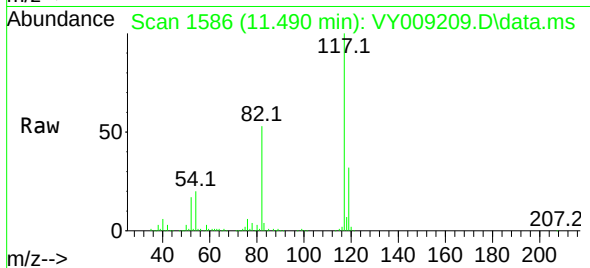
Tgt Ion:117 Resp: 308436

Ion Ratio Lower Upper

117 100

82 53.5 43.0 64.4

119 31.8 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: VY009209.D

Acq: 16 Jun 2022 18:03

Tgt Ion:152 Resp: 132991

Ion Ratio Lower Upper

152 100

115 58.2 28.2 84.7

150 161.9 0.0 347.6

