

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081722\  
 Data File : VY010060.D  
 Acq On : 17 Aug 2022 11:57  
 Operator : KP/MD  
 Sample : N4201-01  
 Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 331

Quant Time: Aug 17 14:57:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081522S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 17 05:12:02 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 71861    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 113461   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 116179   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 58398    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 40557    | 56.446   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 112.900% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 38295    | 52.046   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 104.100% |
| 50) Toluene-d8              | 10.179 | 98    | 129132   | 47.436   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 94.880%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 45995    | 48.104   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 96.200%  |

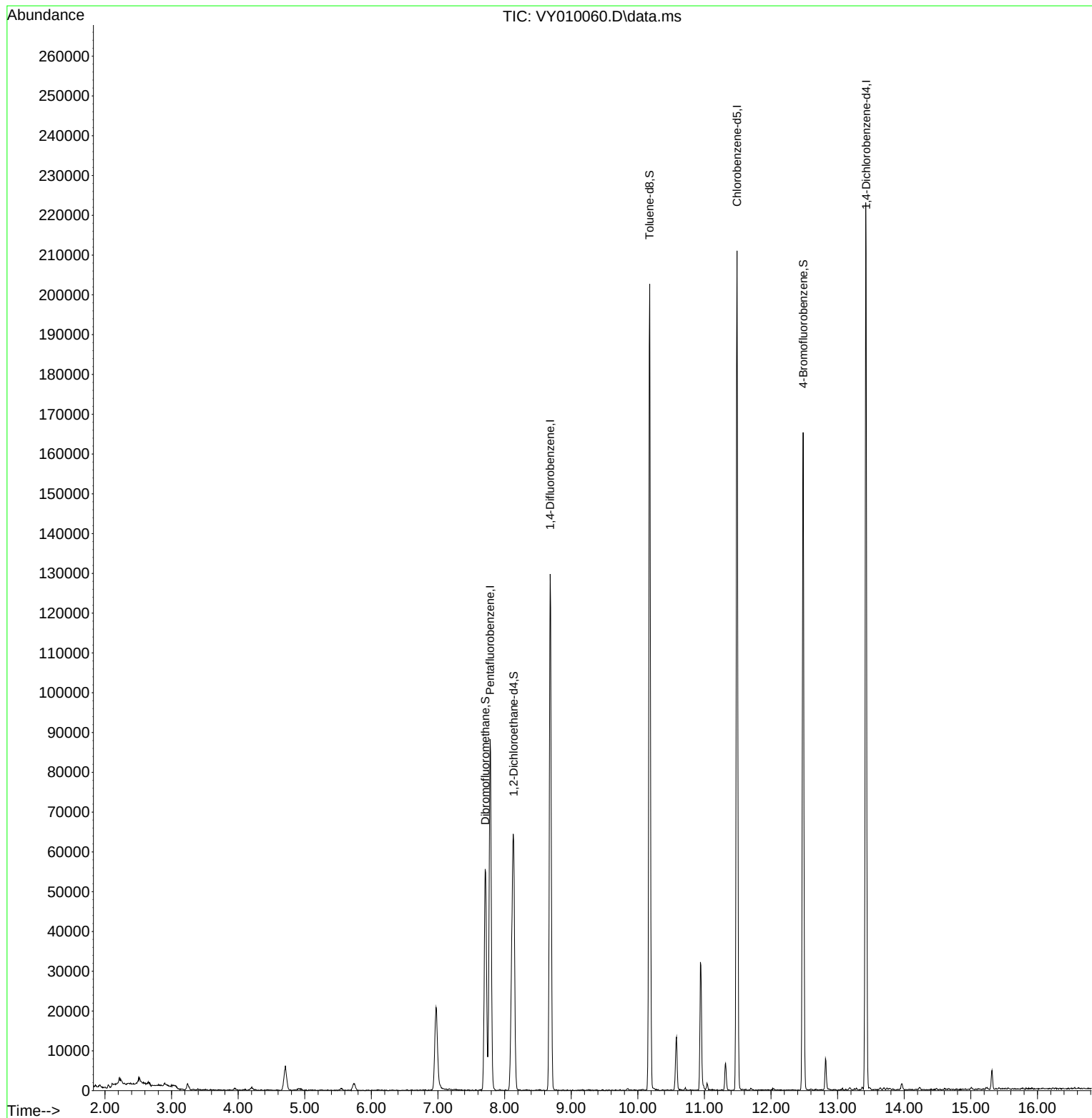
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

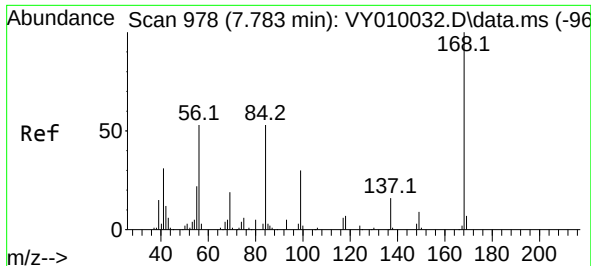
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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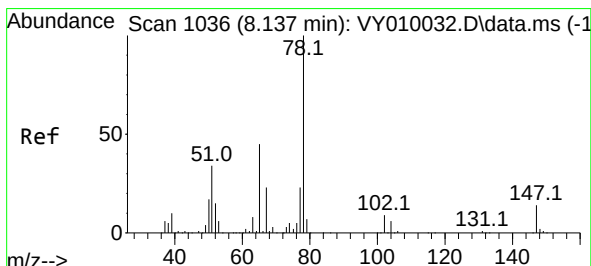
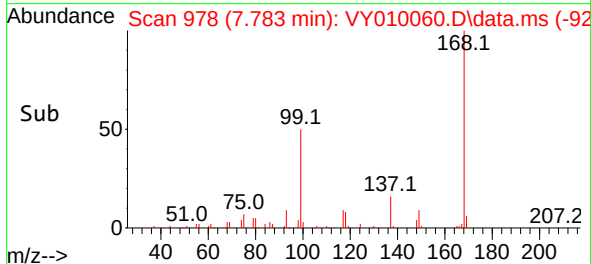
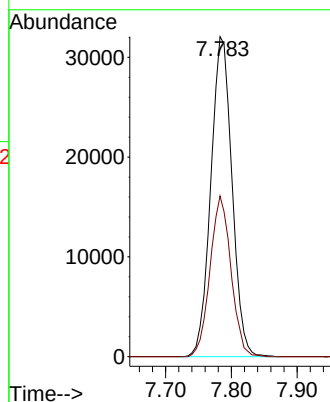
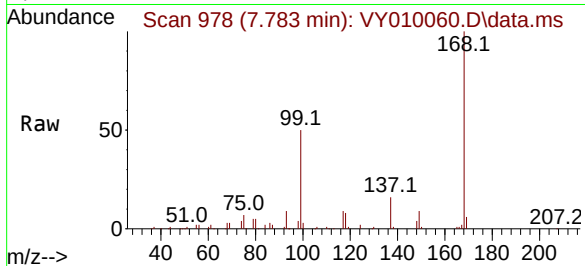




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY010060.D  
Acq: 17 Aug 2022 11:57

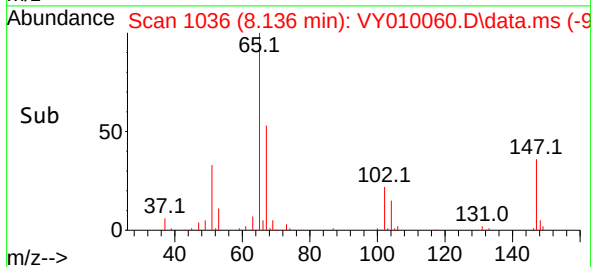
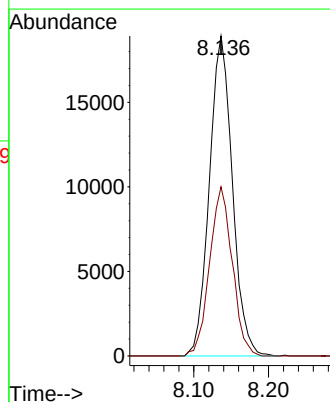
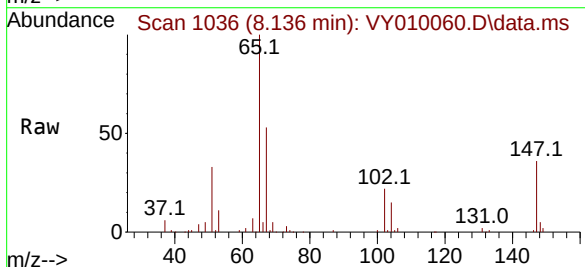
Instrument :  
MSVOA\_Y  
ClientSampleId :  
331

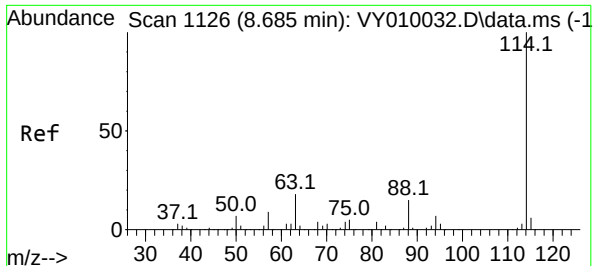
Tgt Ion:168 Resp: 71861  
Ion Ratio Lower Upper  
168 100  
99 50.2 37.7 56.5



#33  
1,2-Dichloroethane-d4  
Concen: 56.446 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.001 min  
Lab File: VY010060.D  
Acq: 17 Aug 2022 11:57

Tgt Ion: 65 Resp: 40557  
Ion Ratio Lower Upper  
65 100  
67 52.1 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY010060.D

Acq: 17 Aug 2022 11:57

Instrument :

MSVOA\_Y

ClientSampleId :

331

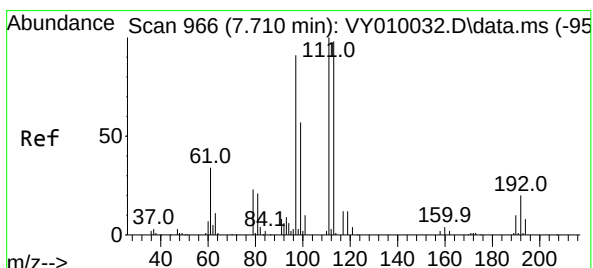
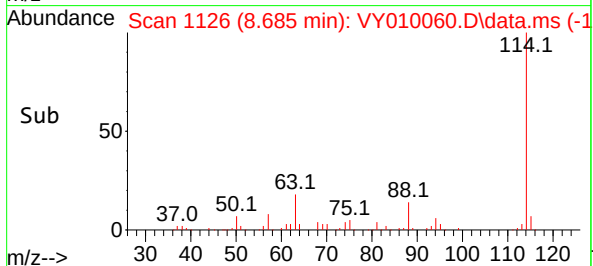
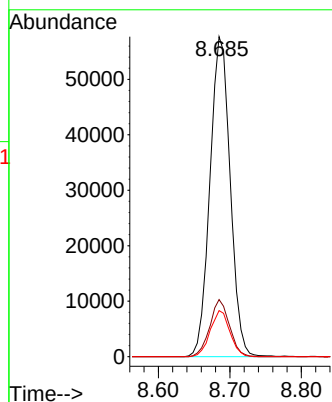
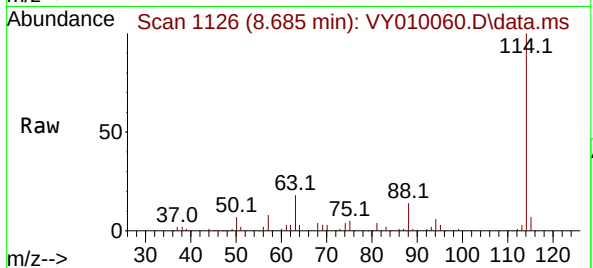
Tgt Ion:114 Resp: 113461

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.2

88 14.4 0.0 30.2



#35

Dibromofluoromethane

Concen: 52.046 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010060.D

Acq: 17 Aug 2022 11:57

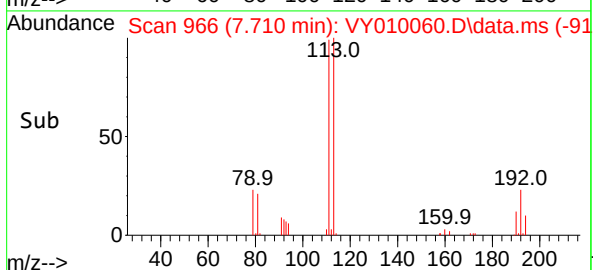
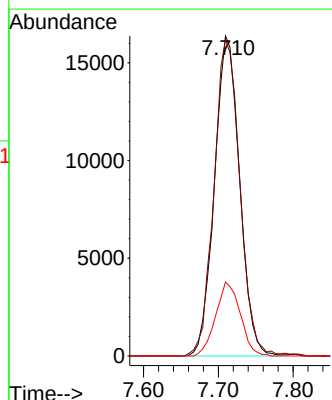
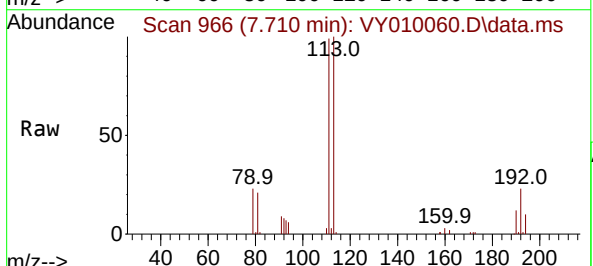
Tgt Ion:113 Resp: 38295

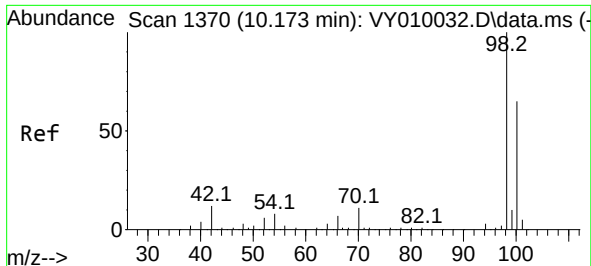
Ion Ratio Lower Upper

113 100

111 102.0 82.7 124.1

192 22.6 17.2 25.8

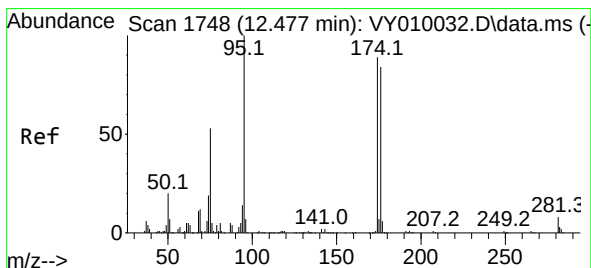
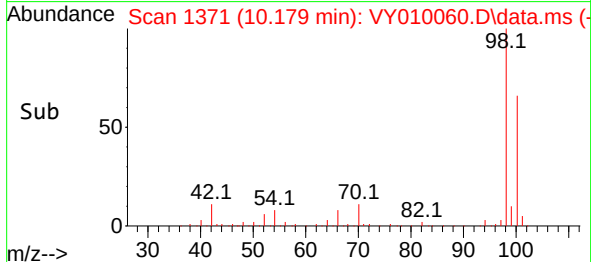
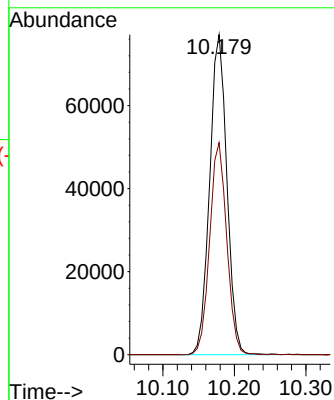
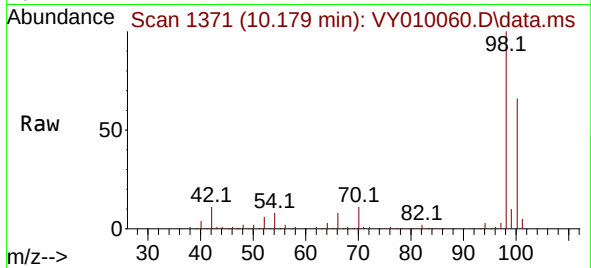




#50  
Toluene-d8  
Concen: 47.436 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY010060.D  
Acq: 17 Aug 2022 11:57

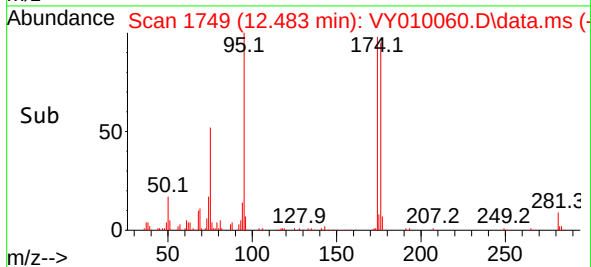
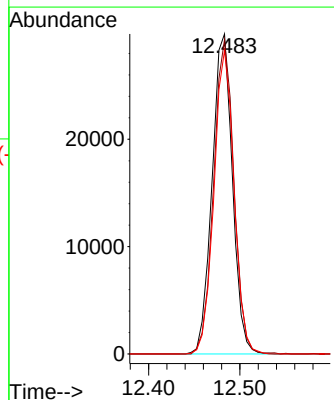
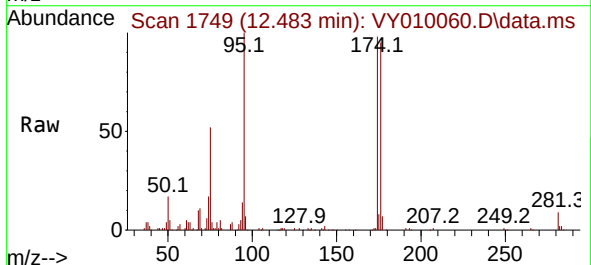
Instrument :  
MSVOA\_Y  
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331

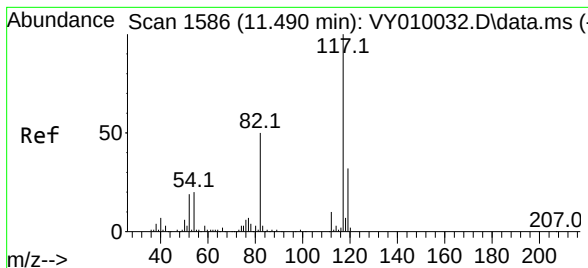
Tgt Ion: 98 Resp: 129132  
Ion Ratio Lower Upper  
98 100  
100 65.5 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 48.104 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY010060.D  
Acq: 17 Aug 2022 11:57

Tgt Ion: 95 Resp: 45995  
Ion Ratio Lower Upper  
95 100  
174 98.2 0.0 184.2  
176 93.8 0.0 178.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY010060.D

Acq: 17 Aug 2022 11:57

Instrument :

MSVOA\_Y

ClientSampleId :

331

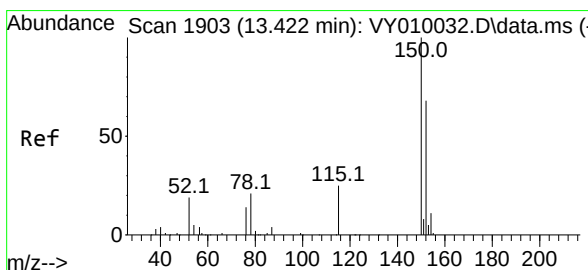
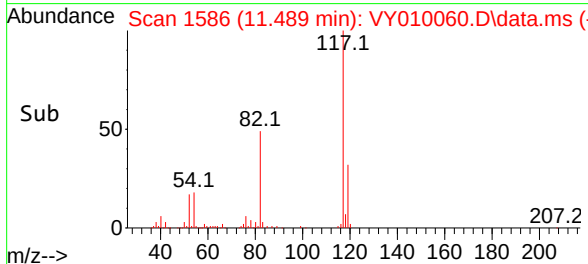
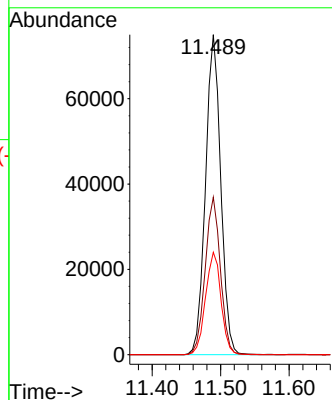
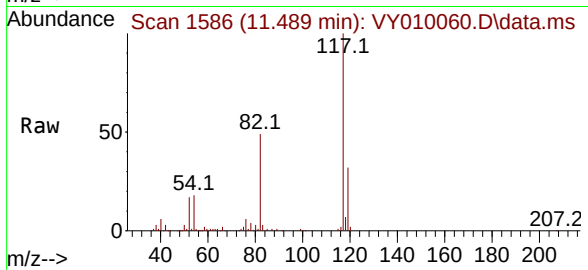
Tgt Ion:117 Resp: 116179

Ion Ratio Lower Upper

117 100

82 49.2 39.8 59.6

119 32.0 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY010060.D

Acq: 17 Aug 2022 11:57

Tgt Ion:152 Resp: 58398

Ion Ratio Lower Upper

152 100

115 54.9 28.1 84.3

150 157.6 0.0 346.6

