

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082522\  
 Data File : VY010200.D  
 Acq On : 25 Aug 2022 11:53  
 Operator : KP/MD  
 Sample : VY0825SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0825SBL01

Quant Time: Aug 26 06:45:33 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082422S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 26 06:12:05 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 201258   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 374329   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 370943   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 81990    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 95133    | 56.726   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 113.460% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 90917    | 37.044   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 74.080%  |
| 50) Toluene-d8              | 10.179 | 98    | 342820   | 40.250   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 125 | Recovery | =    | 80.500%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 108974   | 33.397   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 146 | Recovery | =    | 66.800%  |

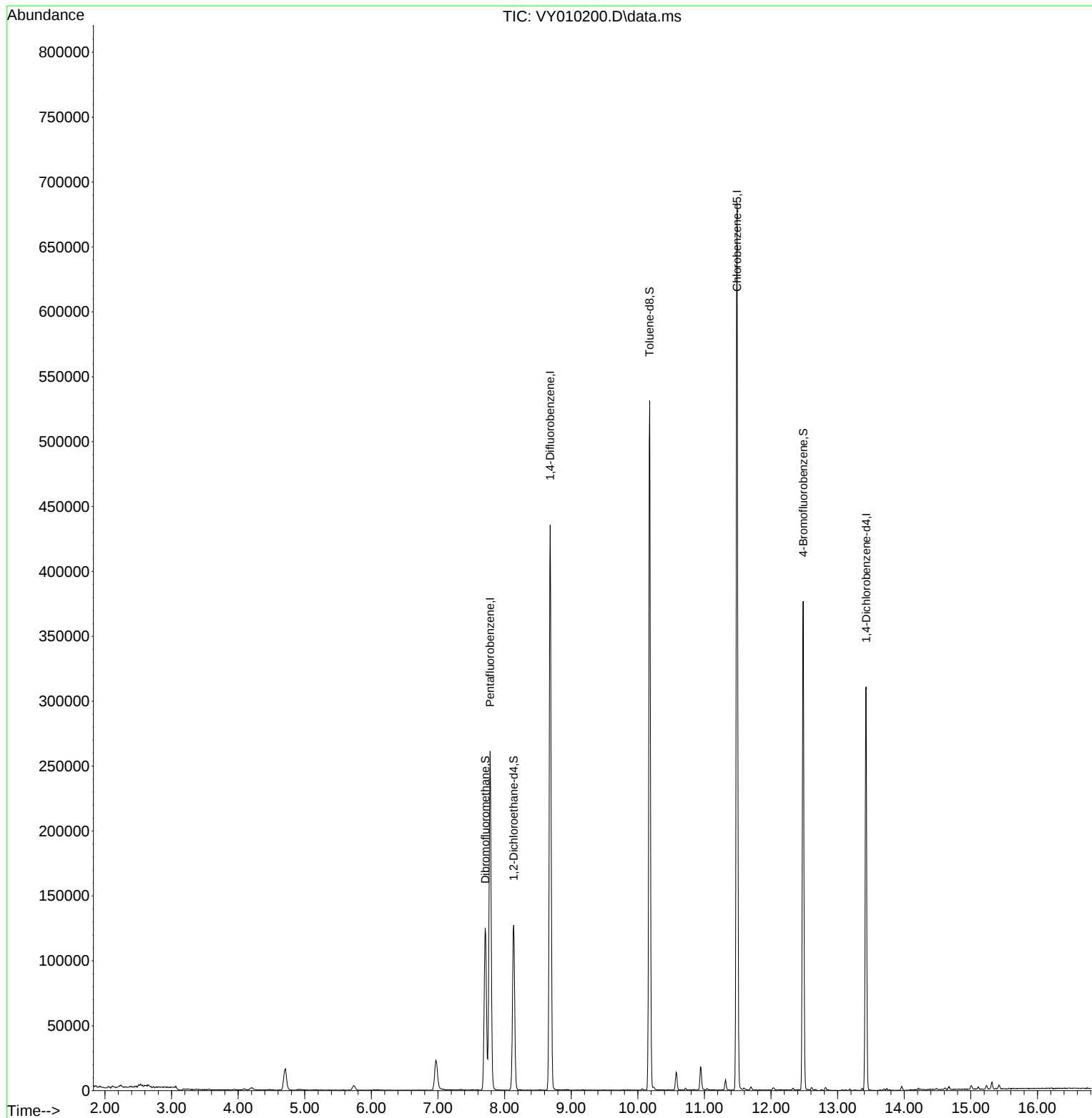
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

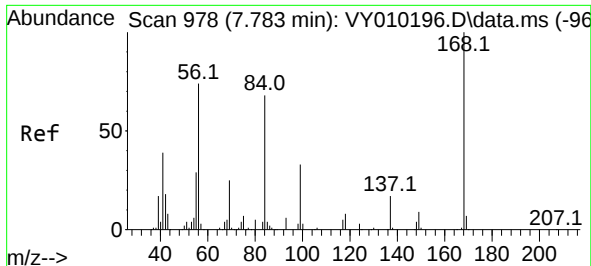
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Aug 26 06:12:05 2022  
Response via : Initial Calibration

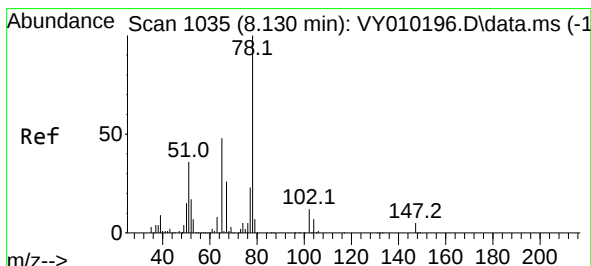
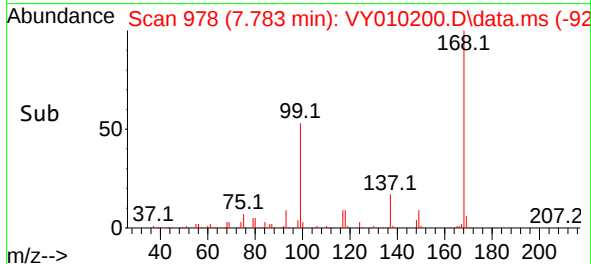
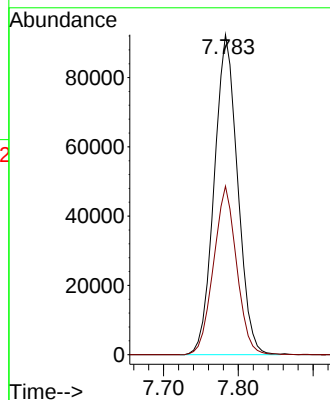
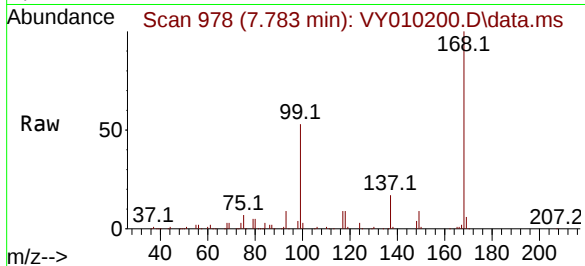




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY010200.D  
Acq: 25 Aug 2022 11:53

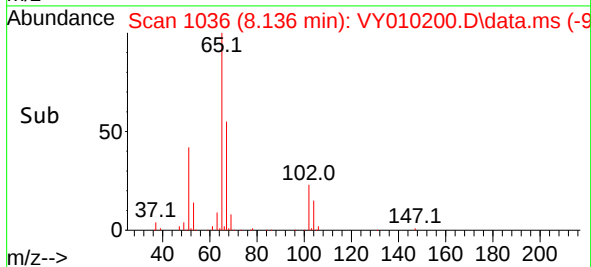
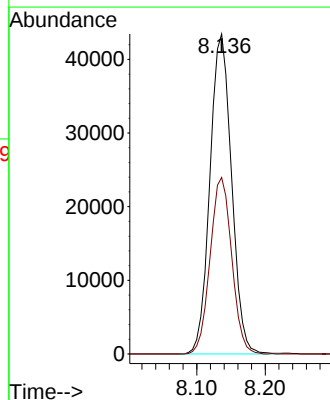
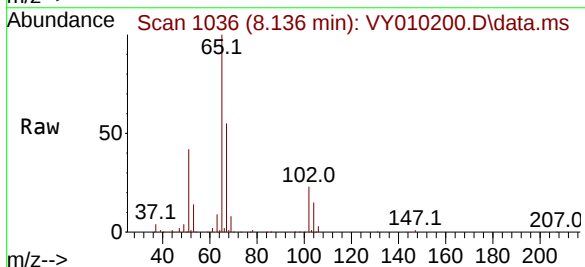
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0825SBL01

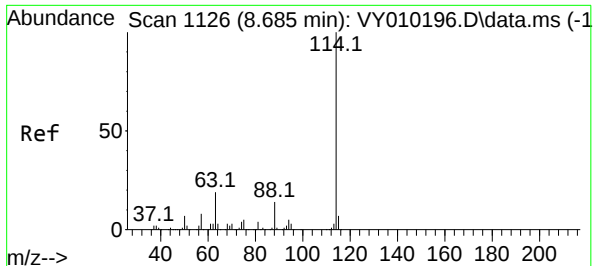
Tgt Ion:168 Resp: 201258  
Ion Ratio Lower Upper  
168 100  
99 52.7 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 56.726 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.006 min  
Lab File: VY010200.D  
Acq: 25 Aug 2022 11:53

Tgt Ion: 65 Resp: 95133  
Ion Ratio Lower Upper  
65 100  
67 55.1 0.0 99.4

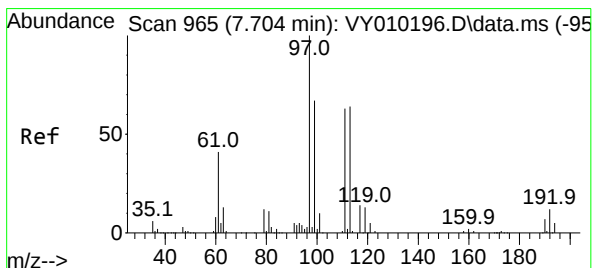
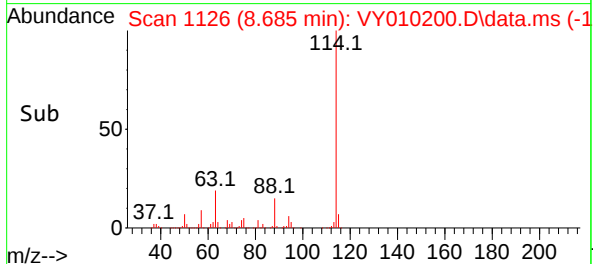
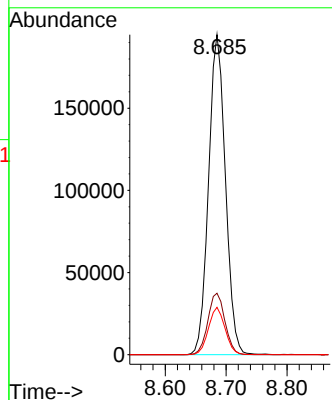
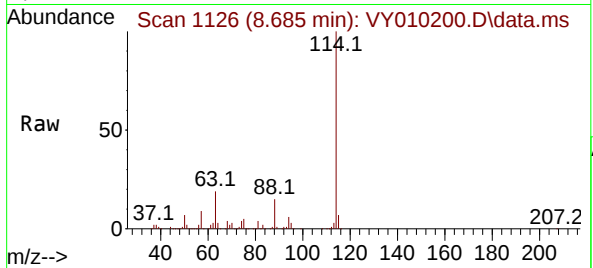




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VY010200.D  
Acq: 25 Aug 2022 11:53

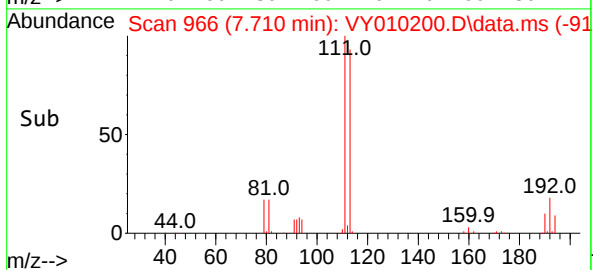
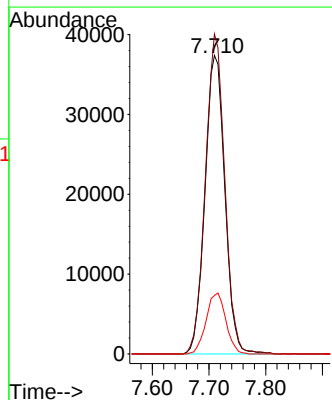
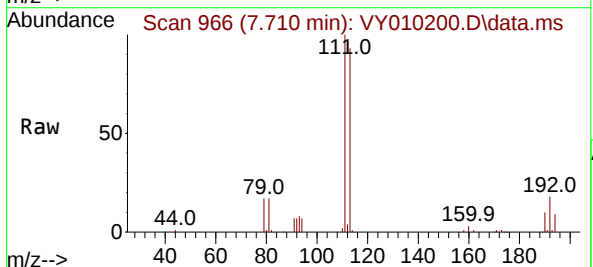
Instrument :  
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ClientSampleId :  
VY0825SBL01

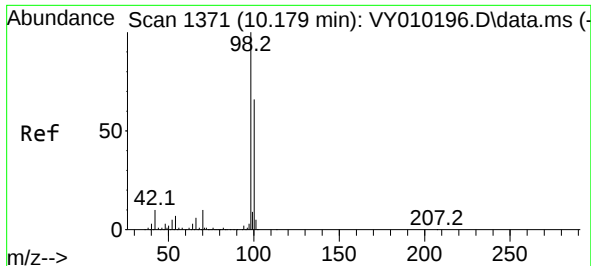
Tgt Ion:114 Resp: 374329  
Ion Ratio Lower Upper  
114 100  
63 19.2 0.0 43.2  
88 14.8 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 37.044 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. 0.006 min  
Lab File: VY010200.D  
Acq: 25 Aug 2022 11:53

Tgt Ion:113 Resp: 90917  
Ion Ratio Lower Upper  
113 100  
111 104.9 82.6 124.0  
192 20.3 17.6 26.4

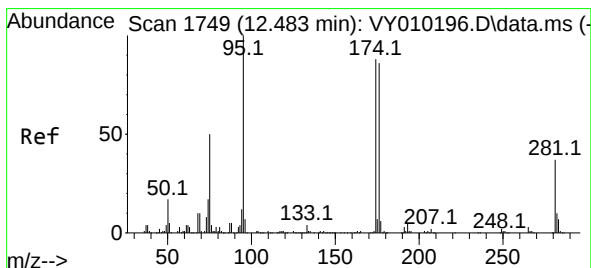
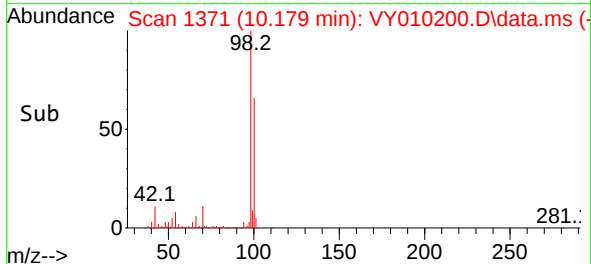
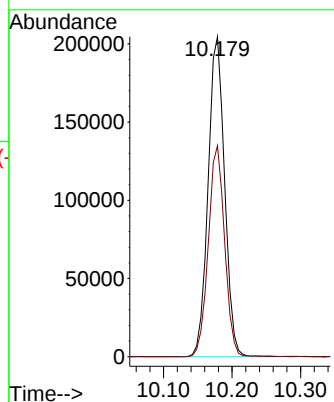
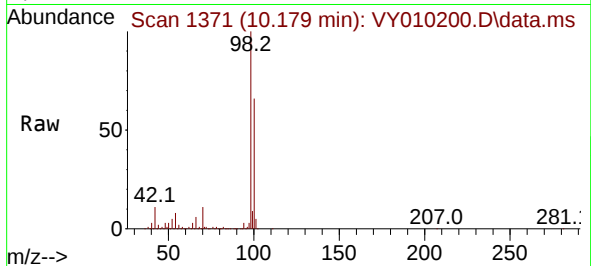




#50  
Toluene-d8  
Concen: 40.250 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY010200.D  
Acq: 25 Aug 2022 11:53

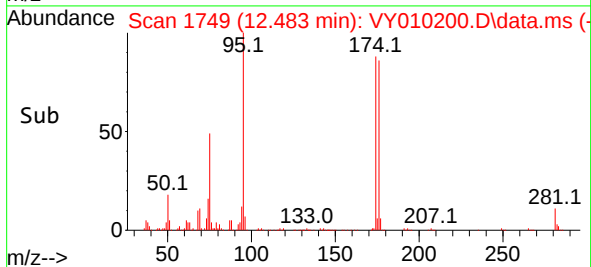
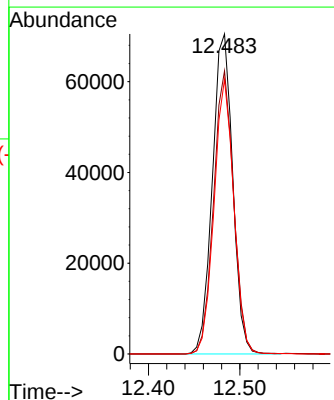
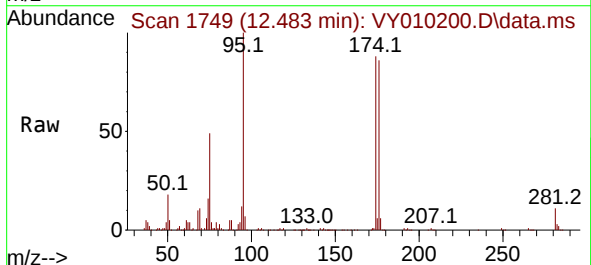
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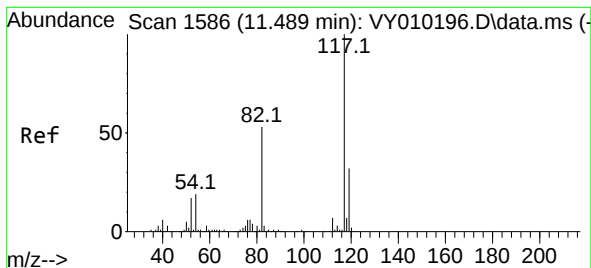
Tgt Ion: 98 Resp: 342820  
Ion Ratio Lower Upper  
98 100  
100 65.2 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 33.397 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY010200.D  
Acq: 25 Aug 2022 11:53

Tgt Ion: 95 Resp: 108974  
Ion Ratio Lower Upper  
95 100  
174 87.4 0.0 177.0  
176 83.5 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY010200.D

Acq: 25 Aug 2022 11:53

Instrument :

MSVOA\_Y

ClientSampleId :

VY0825SBL01

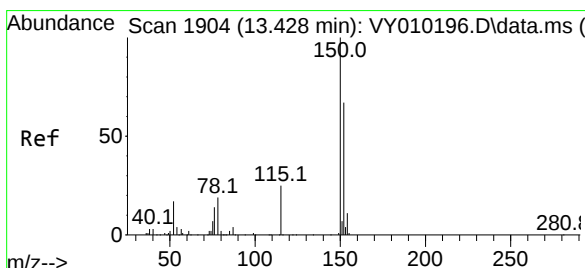
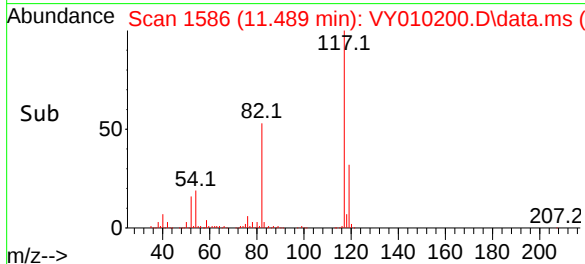
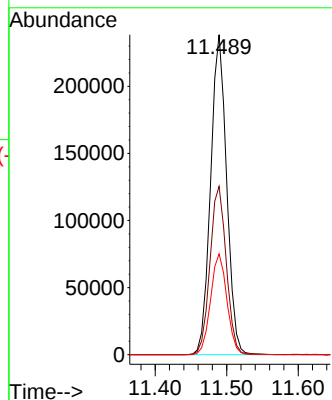
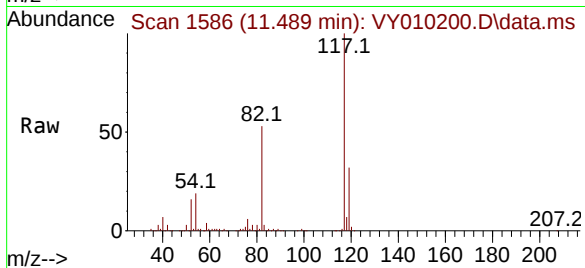
Tgt Ion:117 Resp: 370943

Ion Ratio Lower Upper

117 100

82 52.6 43.0 64.4

119 31.5 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY010200.D

Acq: 25 Aug 2022 11:53

Tgt Ion:152 Resp: 81990

Ion Ratio Lower Upper

152 100

115 56.2 28.2 84.7

150 157.1 0.0 347.6

