

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062322\  
 Data File : VY009292.D  
 Acq On : 23 Jun 2022 14:02  
 Operator : KP/MD  
 Sample : N3450-03  
 Misc : 4.55g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PH1-BOT-18

Quant Time: Jun 24 09:22:53 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062122S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 21 14:08:27 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 199463   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 345091   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 326476   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 148823   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 116752   | 53.296   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 106.600% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 105751   | 47.318   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 94.640%  |
| 50) Toluene-d8              | 10.179 | 98    | 414157   | 48.241   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 96.480%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 139460   | 46.228   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 92.460%  |

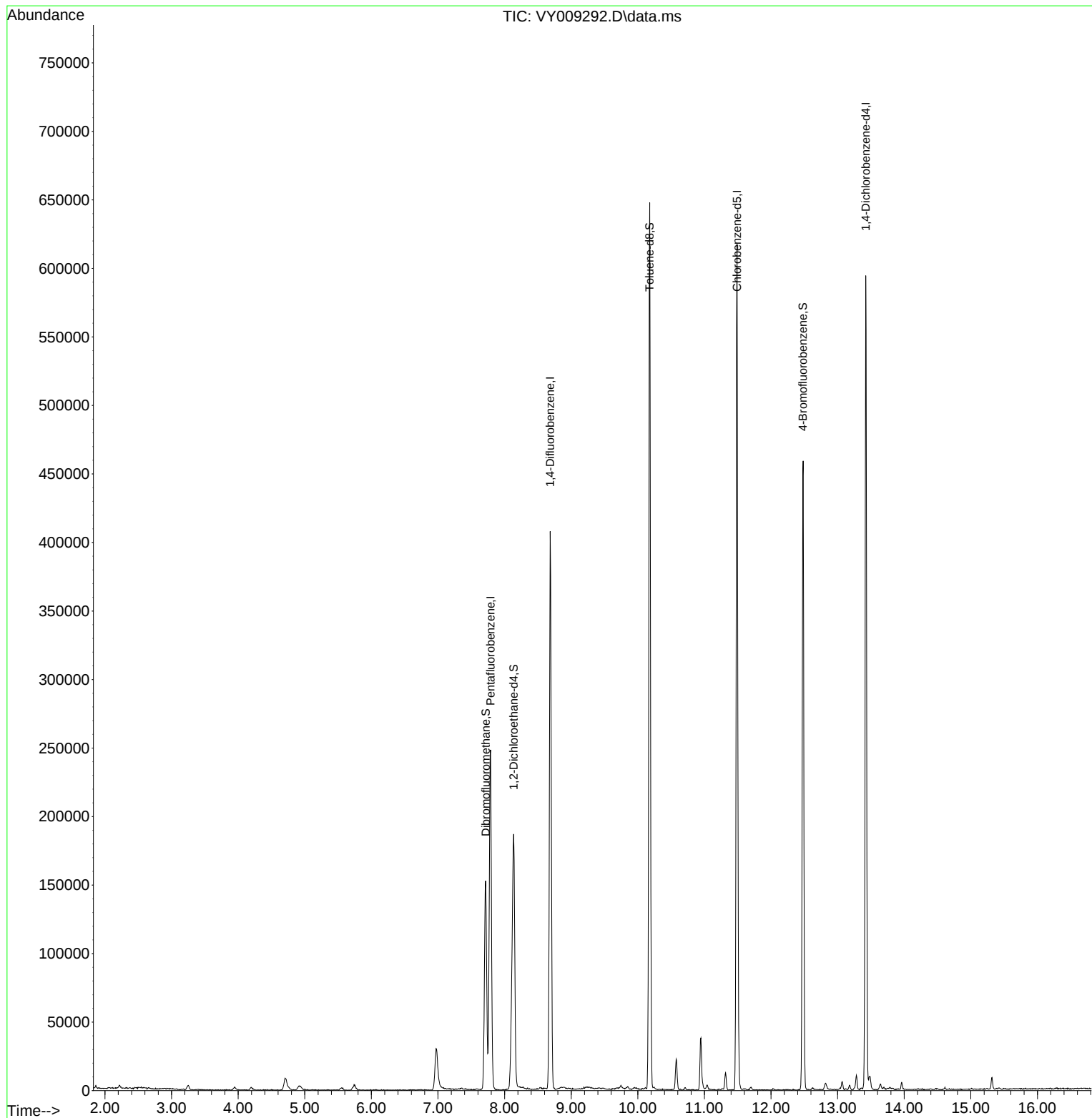
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

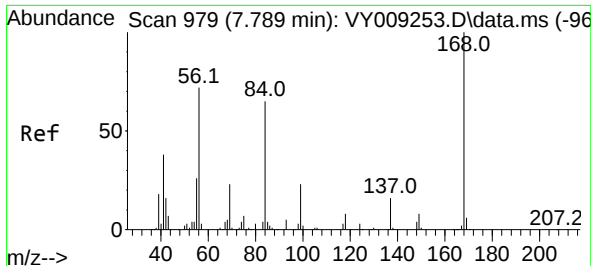
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : N3450-03  
Misc : 4.55g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PH1-BOT-18

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062122S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 21 14:08:27 2022  
Response via : Initial Calibration

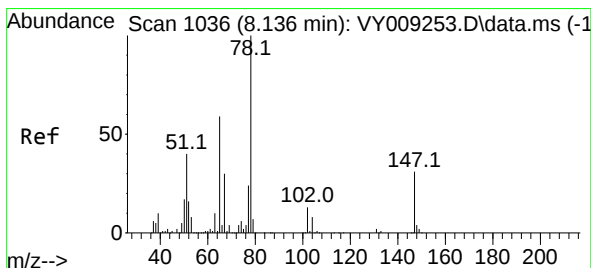
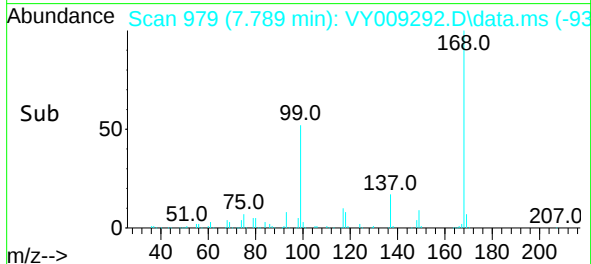
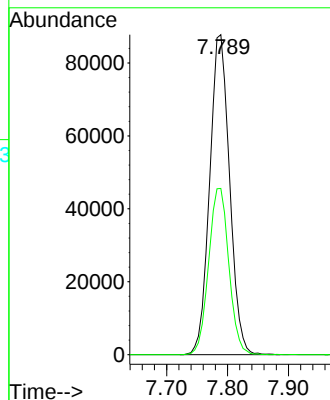
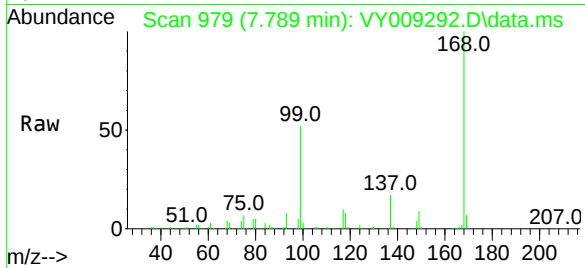




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009292.D  
Acq: 23 Jun 2022 14:02

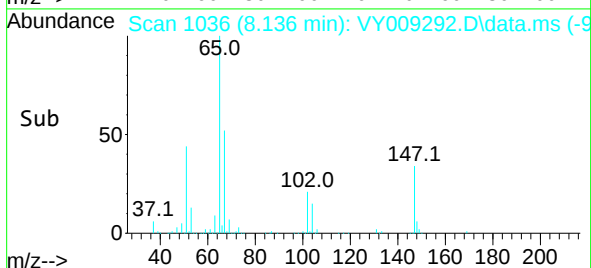
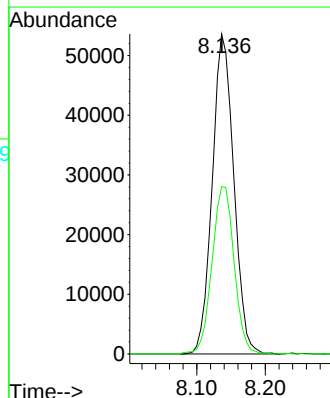
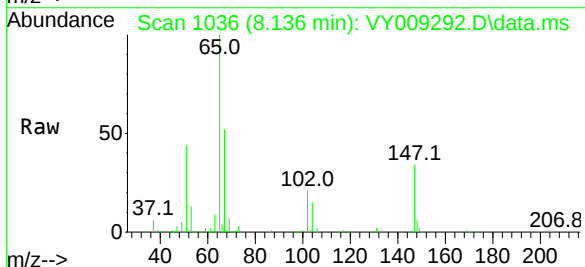
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PH1-BOT-18

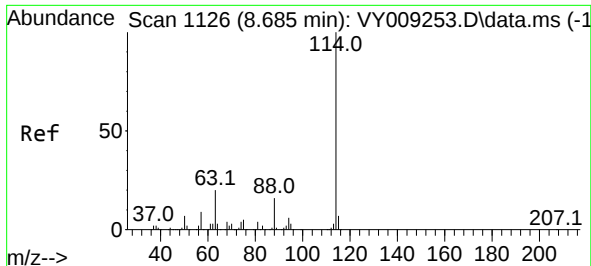
Tgt Ion:168 Resp: 199463  
Ion Ratio Lower Upper  
168 100  
99 51.9 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 53.296 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY009292.D  
Acq: 23 Jun 2022 14:02

Tgt Ion: 65 Resp: 116752  
Ion Ratio Lower Upper  
65 100  
67 53.8 0.0 99.4

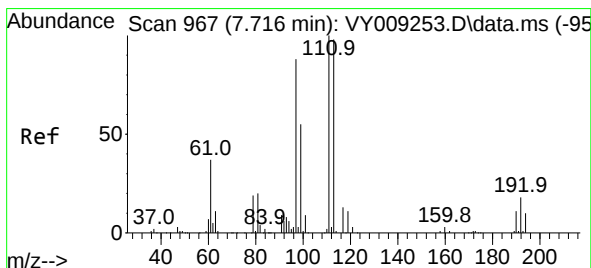
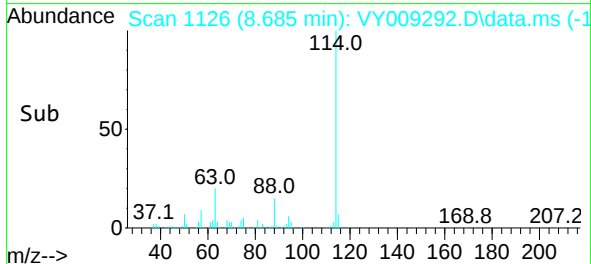
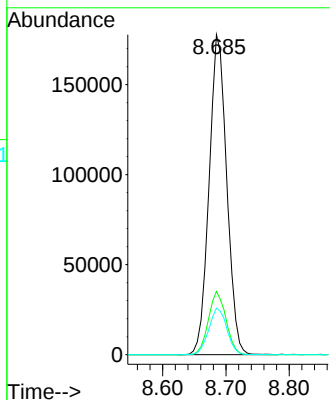
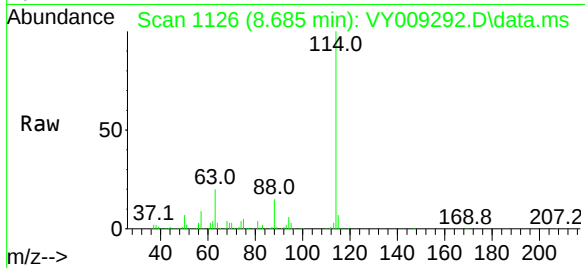




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VY009292.D  
Acq: 23 Jun 2022 14:02

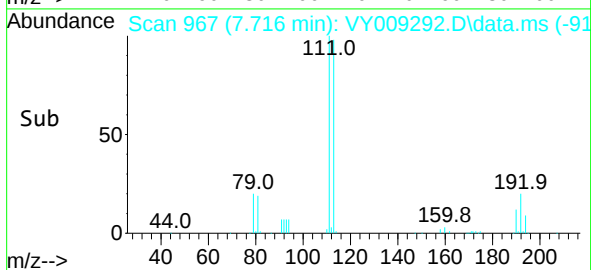
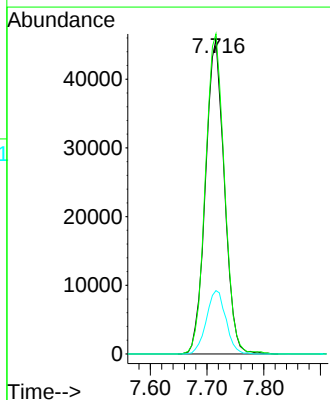
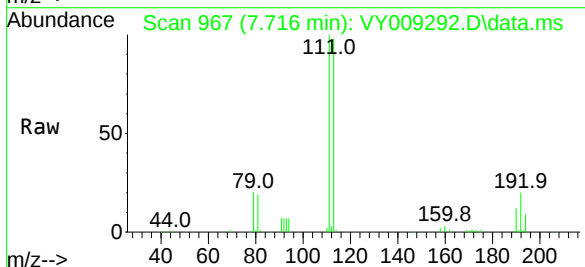
Instrument :  
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ClientSampleId :  
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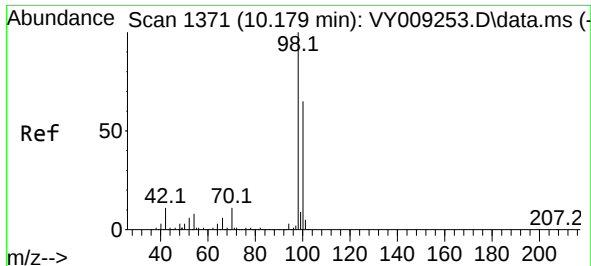
Tgt Ion:114 Resp: 345091  
Ion Ratio Lower Upper  
114 100  
63 19.8 0.0 43.2  
88 14.5 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 47.318 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY009292.D  
Acq: 23 Jun 2022 14:02

Tgt Ion:113 Resp: 105751  
Ion Ratio Lower Upper  
113 100  
111 102.7 82.6 124.0  
192 20.8 17.6 26.4

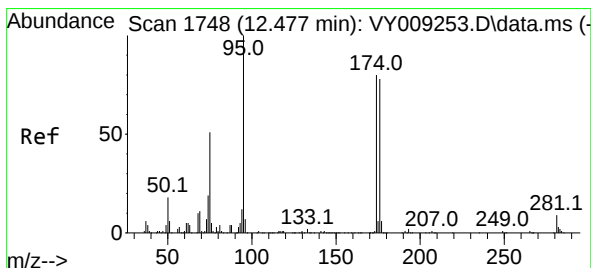
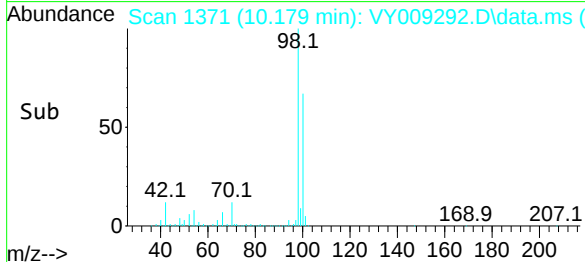
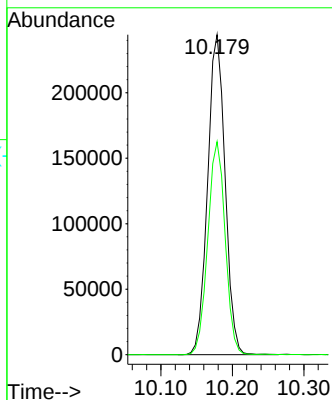
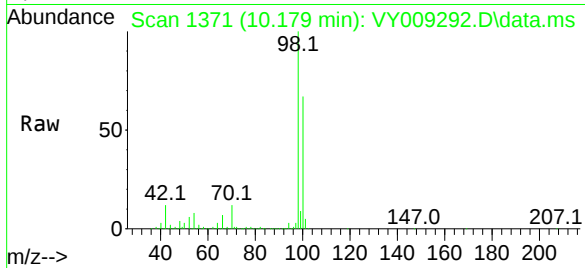




#50  
Toluene-d8  
Concen: 48.241 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY009292.D  
Acq: 23 Jun 2022 14:02

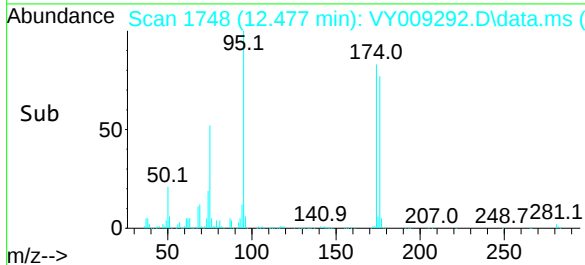
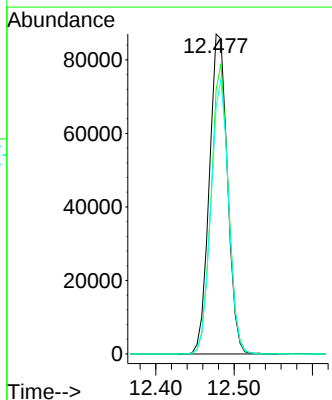
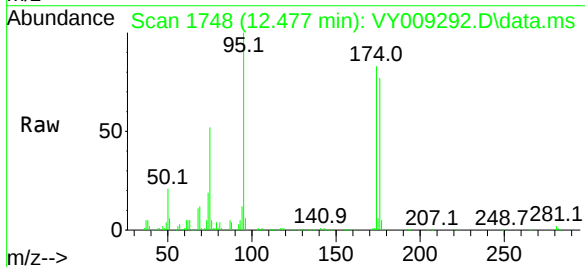
Instrument :  
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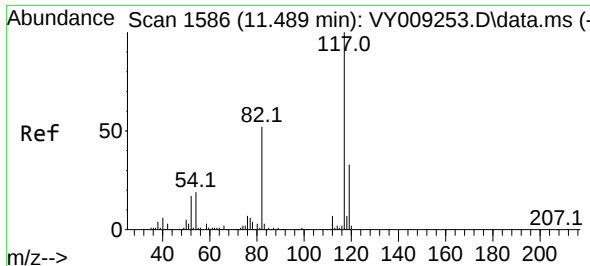
Tgt Ion: 98 Resp: 414157  
Ion Ratio Lower Upper  
98 100  
100 66.1 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 46.228 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.000 min  
Lab File: VY009292.D  
Acq: 23 Jun 2022 14:02

Tgt Ion: 95 Resp: 139460  
Ion Ratio Lower Upper  
95 100  
174 87.1 0.0 177.0  
176 83.4 0.0 175.8

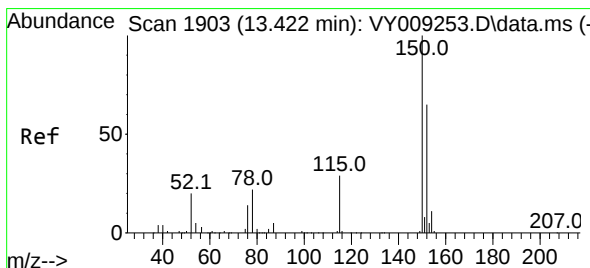
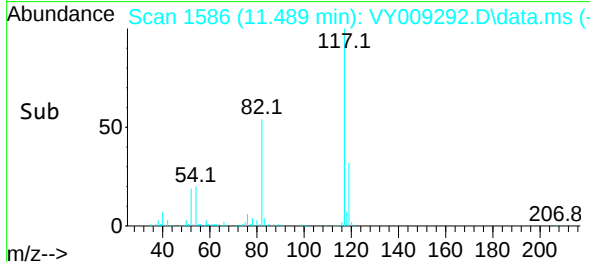
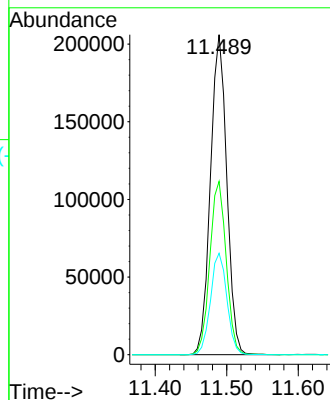
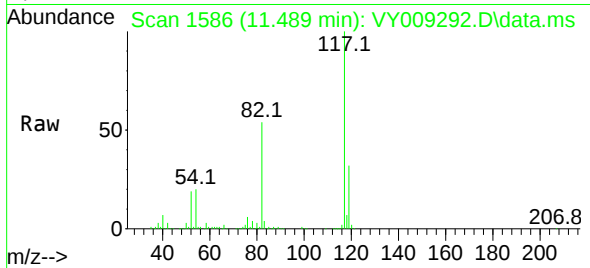




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY009292.D  
Acq: 23 Jun 2022 14:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PH1-BOT-18

Tgt Ion:117 Resp: 326476  
Ion Ratio Lower Upper  
117 100  
82 54.2 43.0 64.4  
119 31.7 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: VY009292.D  
Acq: 23 Jun 2022 14:02

Tgt Ion:152 Resp: 148823  
Ion Ratio Lower Upper  
152 100  
115 56.4 28.2 84.7  
150 159.3 0.0 347.6

