

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072122\  
 Data File : VY009632.D  
 Acq On : 21 Jul 2022 14:43  
 Operator : KP/MD  
 Sample : N3786-05  
 Misc : 5.67g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 0718-WC-TP-WC3B

Quant Time: Jul 22 02:29:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071822S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 19 04:22:09 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 167517   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 269418   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 249439   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 114430   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.130  | 65    | 86995    | 54.911   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 109.820% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 84395    | 49.722   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 99.440%  |
| 50) Toluene-d8              | 10.173 | 98    | 309092   | 47.370   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 125 | Recovery | =    | 94.740%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 95434    | 45.137   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 146 | Recovery | =    | 90.280%  |

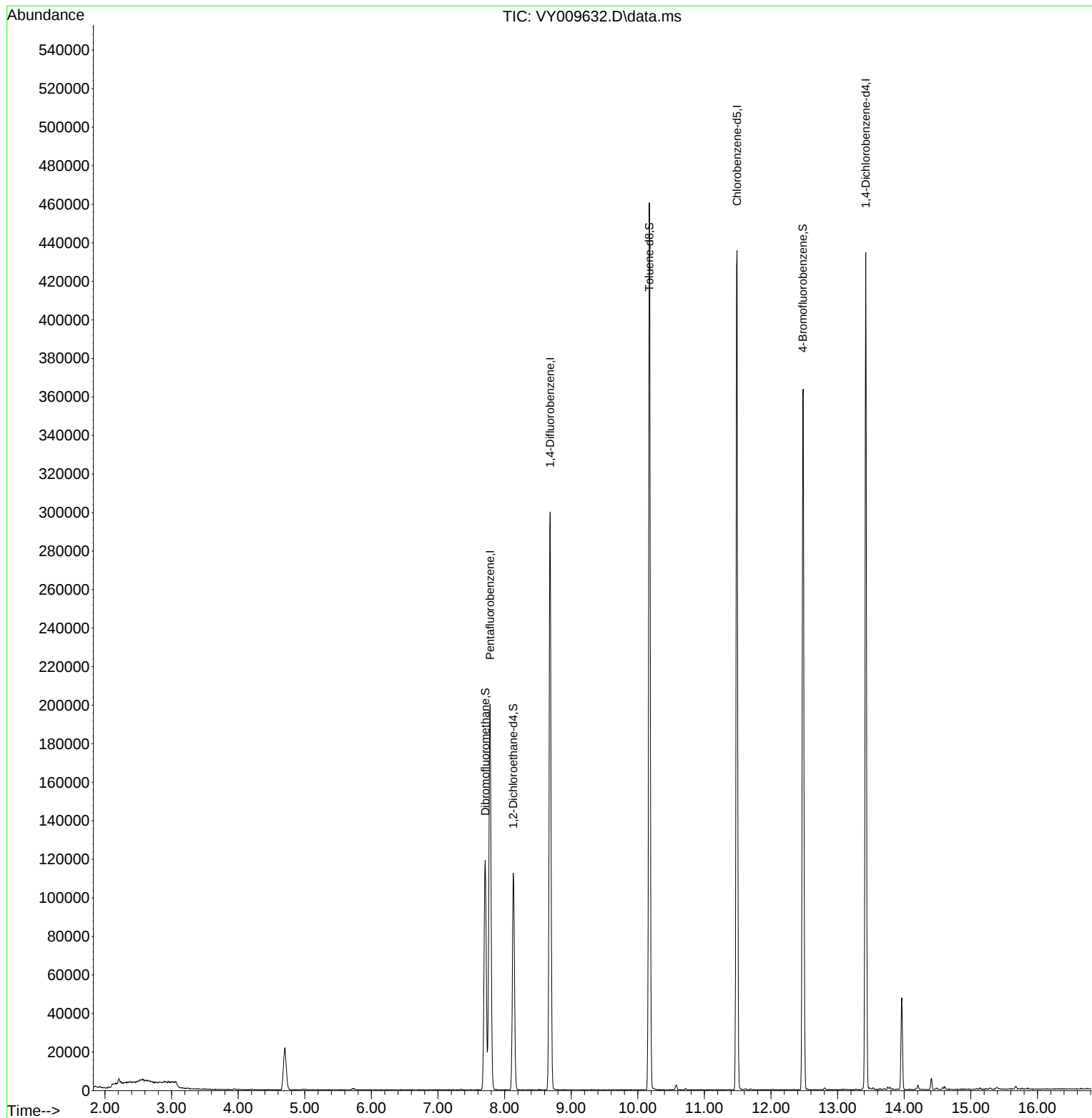
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

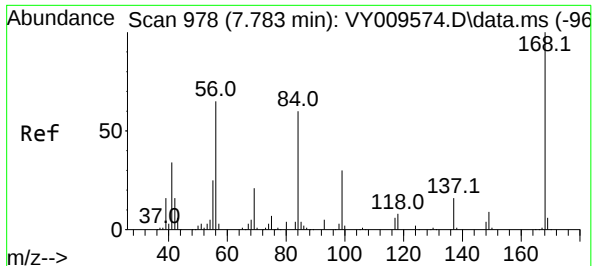
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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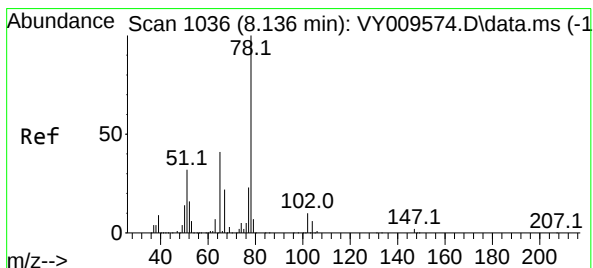
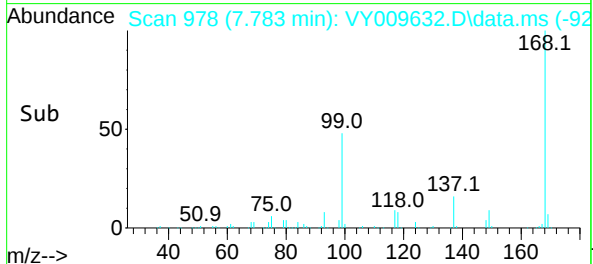
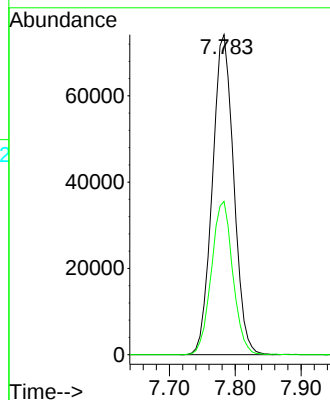
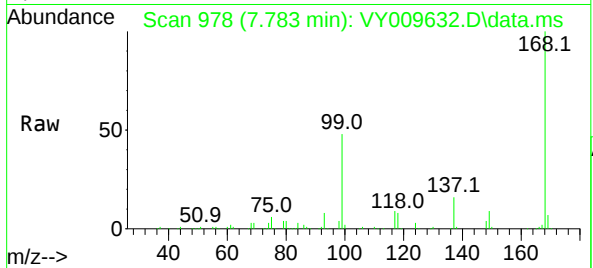




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009632.D  
Acq: 21 Jul 2022 14:43

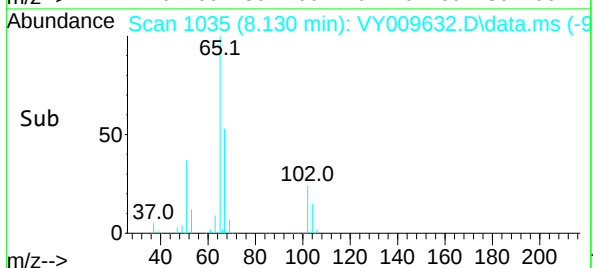
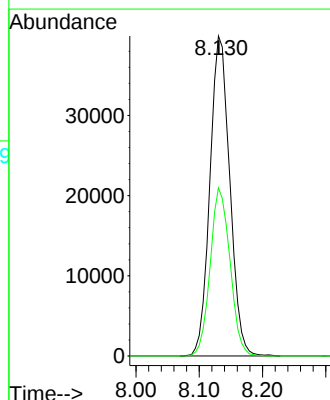
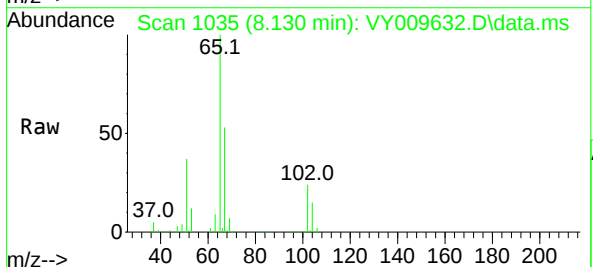
Instrument :  
MSVOA\_Y  
ClientSampleId :  
0718-WC-TP-WC3B

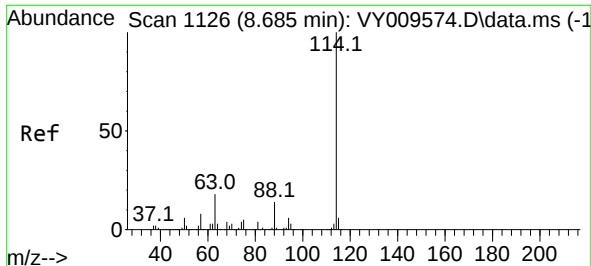
Tgt Ion:168 Resp: 167517  
Ion Ratio Lower Upper  
168 100  
99 47.9 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 54.911 ug/l  
RT: 8.130 min Scan# 1035  
Delta R.T. -0.006 min  
Lab File: VY009632.D  
Acq: 21 Jul 2022 14:43

Tgt Ion: 65 Resp: 86995  
Ion Ratio Lower Upper  
65 100  
67 52.3 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: VY009632.D

Acq: 21 Jul 2022 14:43

Instrument :

MSVOA\_Y

ClientSampleId :

0718-WC-TP-WC3B

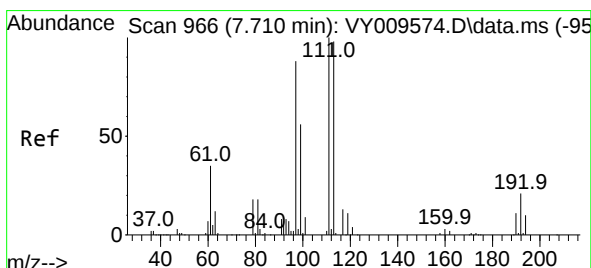
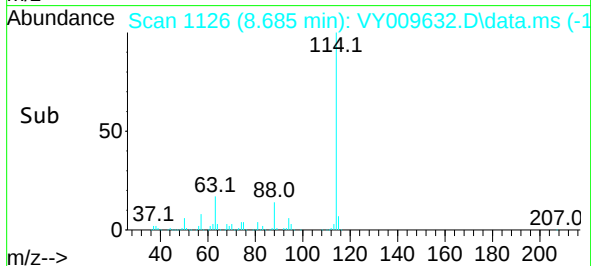
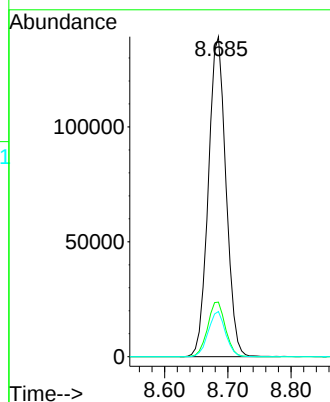
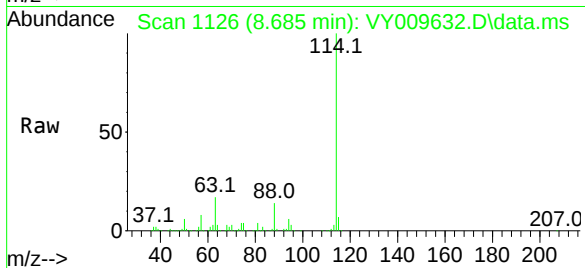
Tgt Ion:114 Resp: 269418

Ion Ratio Lower Upper

114 100

63 17.0 0.0 43.2

88 14.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 49.722 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009632.D

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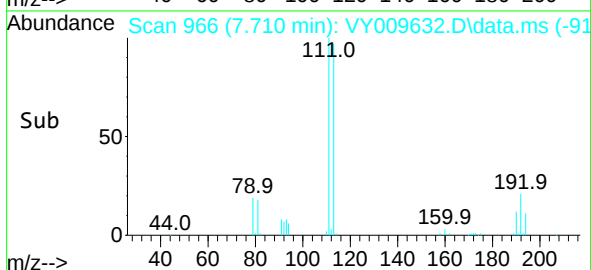
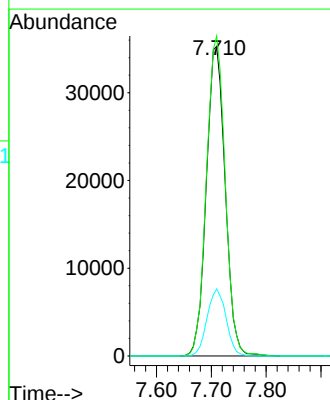
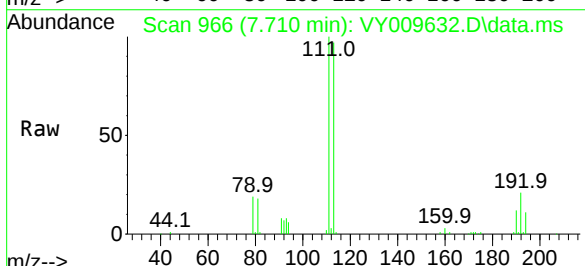
Tgt Ion:113 Resp: 84395

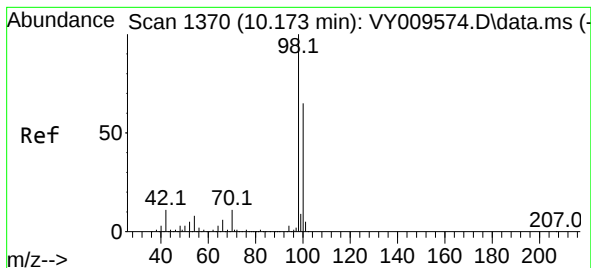
Ion Ratio Lower Upper

113 100

111 102.5 82.6 124.0

192 21.6 17.6 26.4

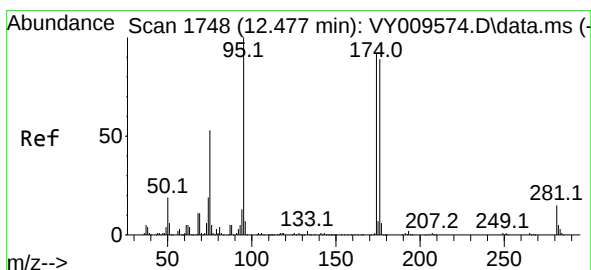
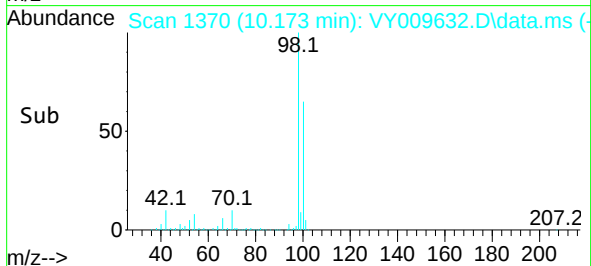
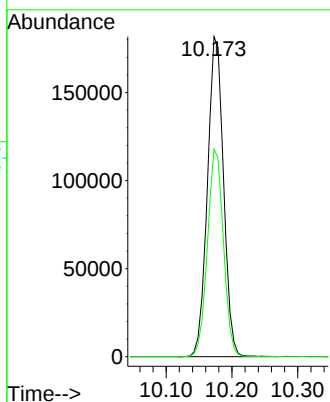
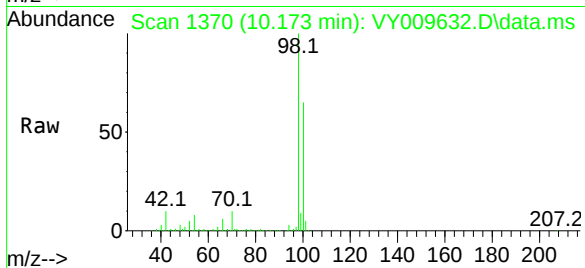




#50  
Toluene-d8  
Concen: 47.370 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY009632.D  
Acq: 21 Jul 2022 14:43

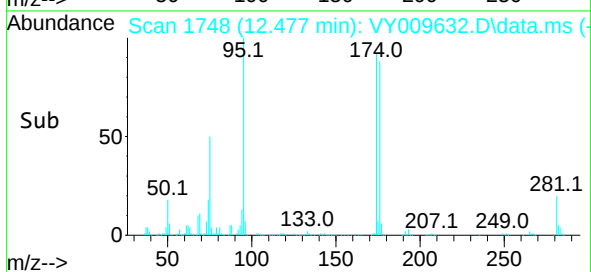
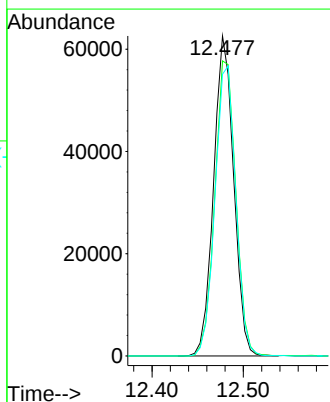
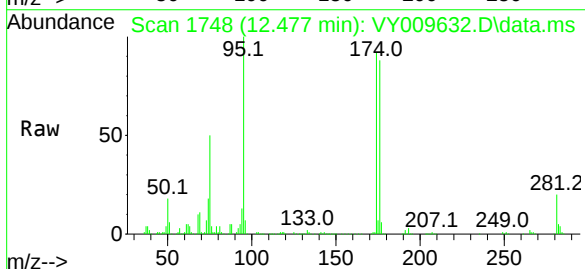
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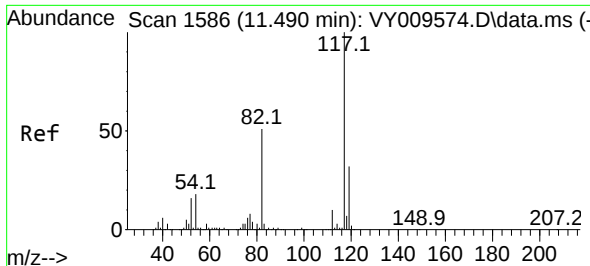
Tgt Ion: 98 Resp: 309092  
Ion Ratio Lower Upper  
98 100  
100 64.5 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 45.137 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.000 min  
Lab File: VY009632.D  
Acq: 21 Jul 2022 14:43

Tgt Ion: 95 Resp: 95434  
Ion Ratio Lower Upper  
95 100  
174 96.7 0.0 177.0  
176 93.9 0.0 175.8

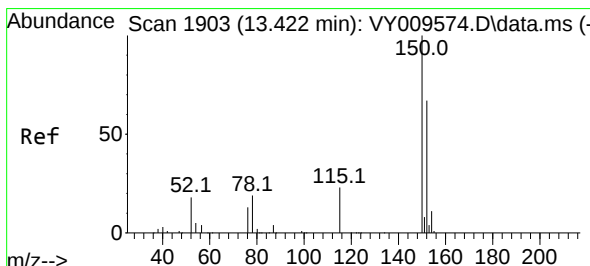
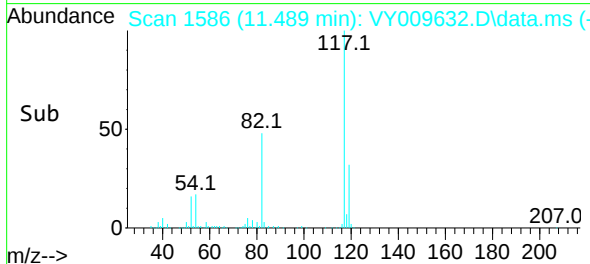
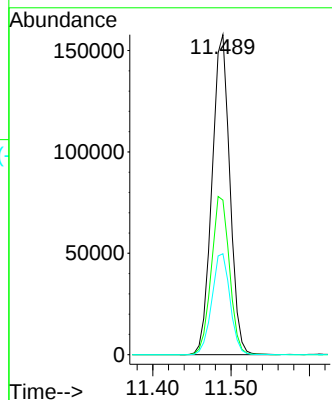
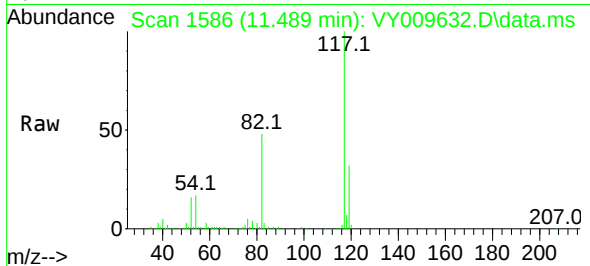




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY009632.D  
Acq: 21 Jul 2022 14:43

Instrument :  
MSVOA\_Y  
ClientSampleId :  
0718-WC-TP-WC3B

Tgt Ion:117 Resp: 249439  
Ion Ratio Lower Upper  
117 100  
82 48.3 43.0 64.4  
119 31.6 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: VY009632.D  
Acq: 21 Jul 2022 14:43

Tgt Ion:152 Resp: 114430  
Ion Ratio Lower Upper  
152 100  
115 54.5 28.2 84.7  
150 156.9 0.0 347.6

