

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY013023\  
 Data File : VY012397.D  
 Acq On : 30 Jan 2023 15:01  
 Operator : KP/MD  
 Sample : 01358-01  
 Misc : 11.06g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 JPP-11-012723

Quant Time: Jan 31 01:48:12 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 04:31:47 2023  
 Response via : Initial Calibration

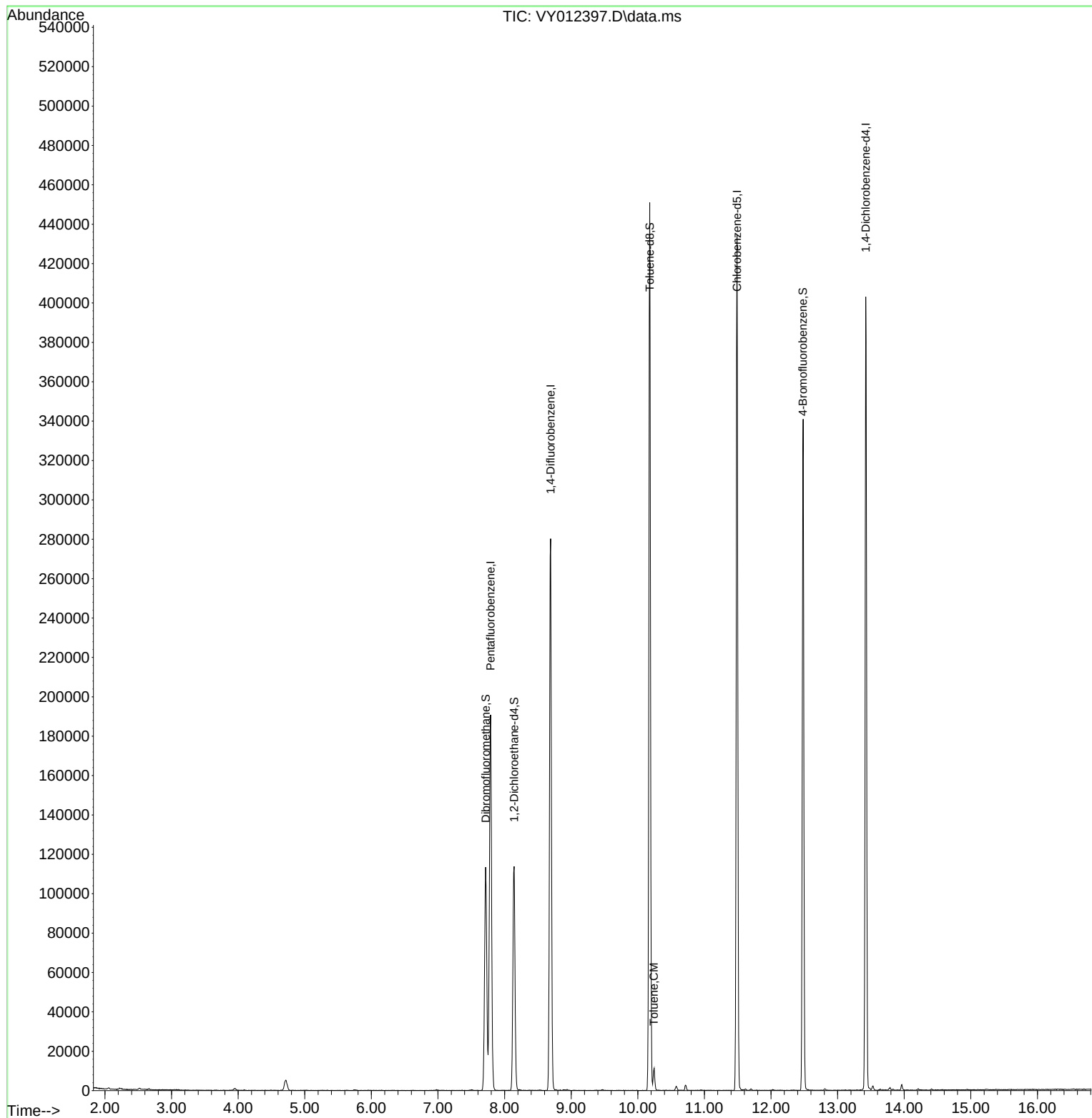
| Compound                    | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min)  |
|-----------------------------|--------|----------------|----------|--------|----------|-----------|
| -----                       |        |                |          |        |          |           |
| Internal Standards          |        |                |          |        |          |           |
| 1) Pentafluorobenzene       | 7.789  | 168            | 150520   | 50.000 | ug/l     | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.691  | 114            | 250055   | 50.000 | ug/l     | 0.00      |
| 63) Chlorobenzene-d5        | 11.489 | 117            | 242972   | 50.000 | ug/l     | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152            | 109842   | 50.000 | ug/l     | 0.00      |
| System Monitoring Compounds |        |                |          |        |          |           |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65             | 97838    | 80.844 | ug/l     | 0.00      |
| Spiked Amount               | 50.000 | Range 50 - 163 | Recovery | =      | 161.680% |           |
| 35) Dibromofluoromethane    | 7.716  | 113            | 75075    | 56.701 | ug/l     | 0.00      |
| Spiked Amount               | 50.000 | Range 54 - 147 | Recovery | =      | 113.400% |           |
| 50) Toluene-d8              | 10.179 | 98             | 298716   | 66.548 | ug/l     | 0.00      |
| Spiked Amount               | 50.000 | Range 49 - 140 | Recovery | =      | 133.100% |           |
| 62) 4-Bromofluorobenzene    | 12.477 | 95             | 97472    | 52.222 | ug/l     | 0.00      |
| Spiked Amount               | 50.000 | Range 25 - 144 | Recovery | =      | 104.440% |           |
| Target Compounds            |        |                |          |        |          |           |
| 52) Toluene                 | 10.240 | 92             | 4623     | 1.069  | ug/l     | Qvalue 99 |
| -----                       |        |                |          |        |          |           |

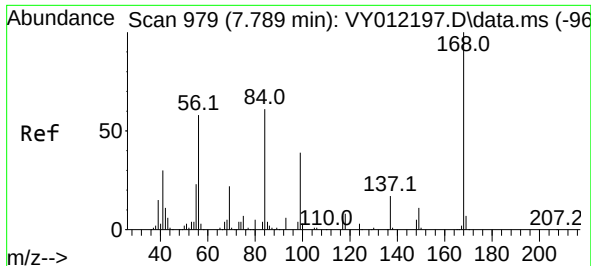
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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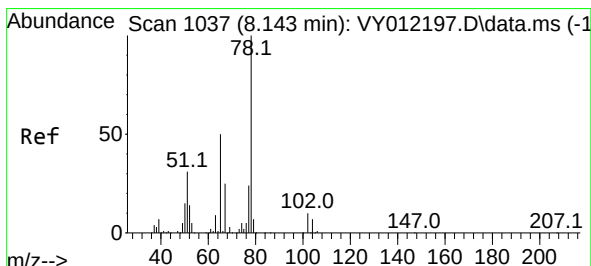
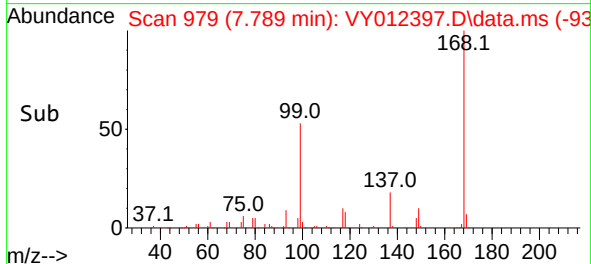
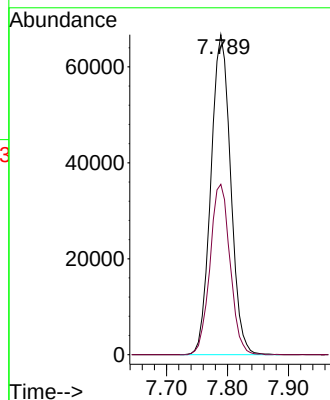
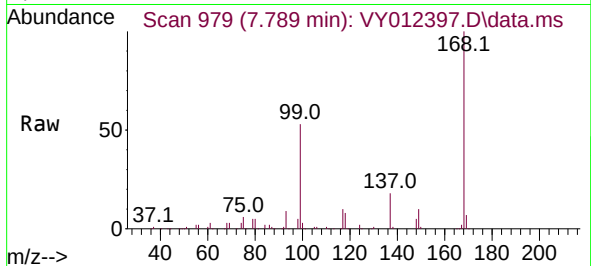




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012397.D  
Acq: 30 Jan 2023 15:01

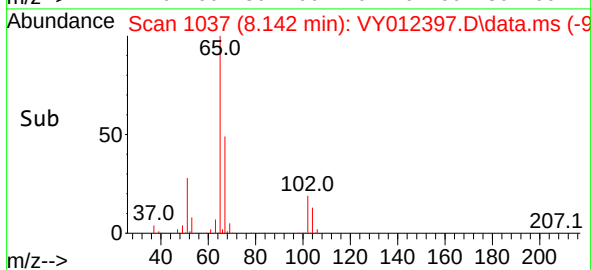
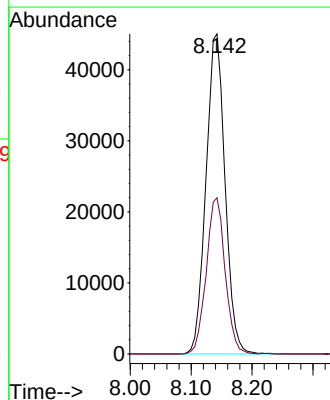
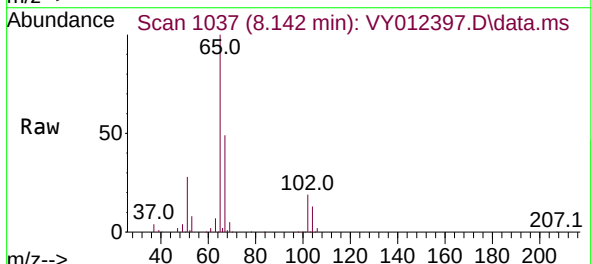
Instrument :  
MSVOA\_Y  
ClientSampleId :  
JPP-11-012723

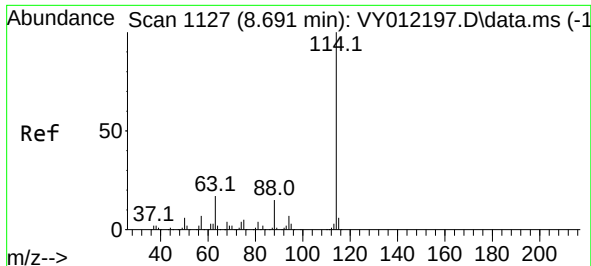
Tgt Ion:168 Resp: 150520  
Ion Ratio Lower Upper  
168 100  
99 53.3 44.0 66.0



#33  
1,2-Dichloroethane-d4  
Concen: 80.844 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.001 min  
Lab File: VY012397.D  
Acq: 30 Jan 2023 15:01

Tgt Ion: 65 Resp: 97838  
Ion Ratio Lower Upper  
65 100  
67 48.4 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012397.D

Acq: 30 Jan 2023 15:01

Instrument :

MSVOA\_Y

ClientSampleId :

JPP-11-012723

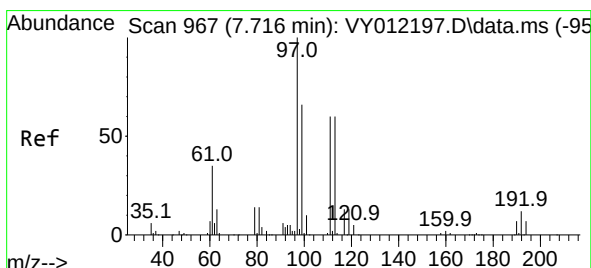
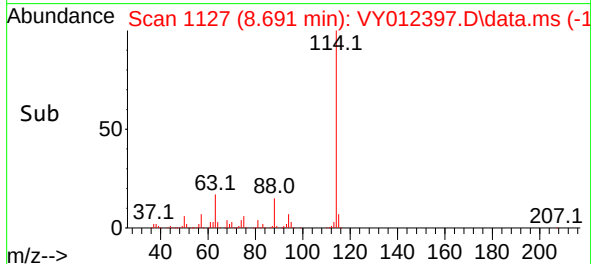
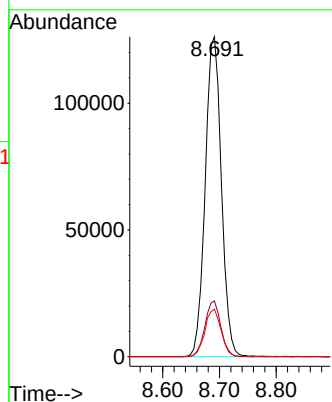
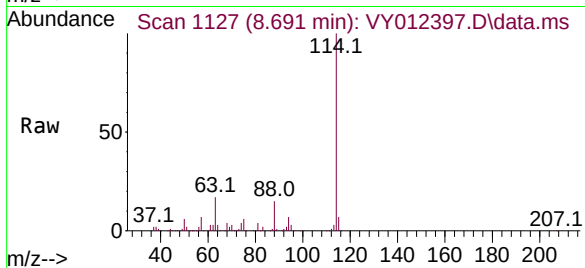
Tgt Ion:114 Resp: 250055

Ion Ratio Lower Upper

114 100

63 17.5 0.0 39.6

88 14.8 0.0 32.2



#35

Dibromofluoromethane

Concen: 56.701 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012397.D

Acq: 30 Jan 2023 15:01

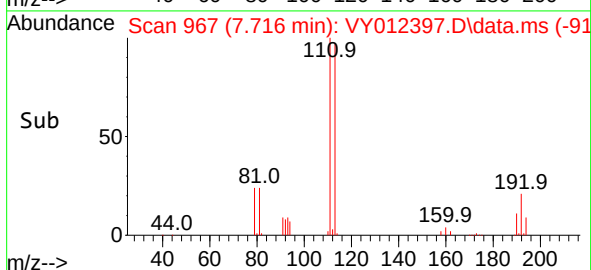
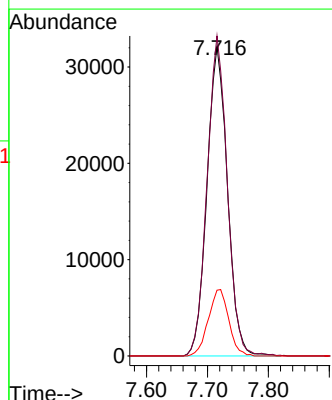
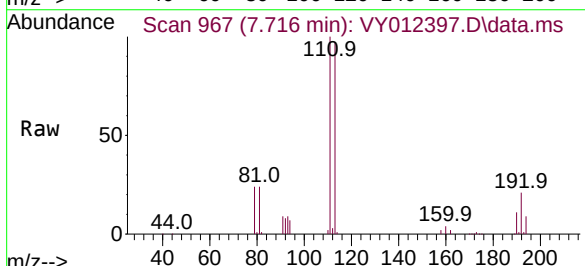
Tgt Ion:113 Resp: 75075

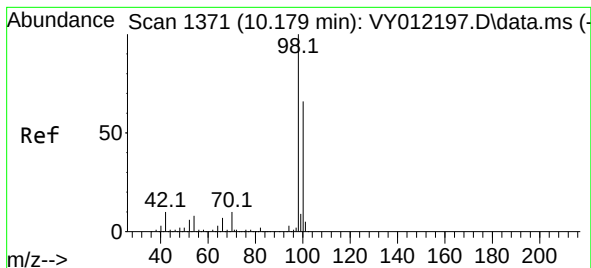
Ion Ratio Lower Upper

113 100

111 102.0 83.0 124.4

192 21.4 16.0 24.0

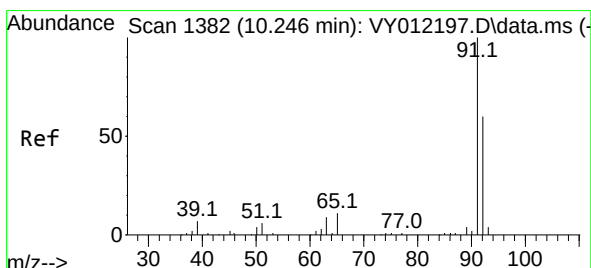
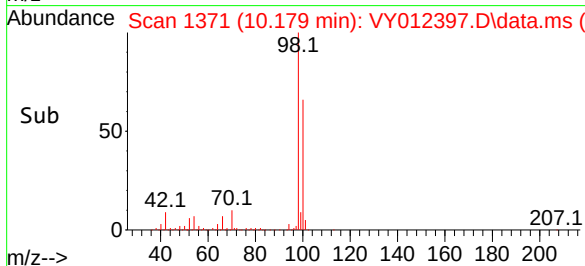
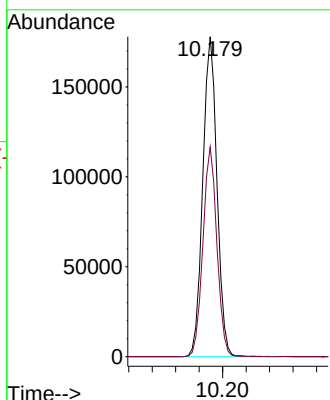
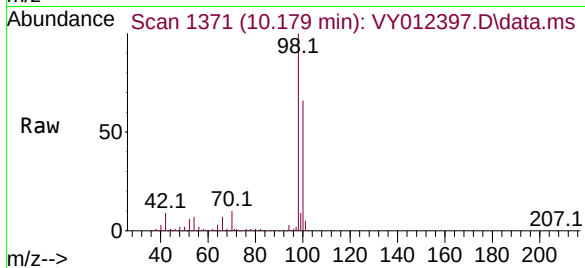




#50  
Toluene-d8  
Concen: 66.548 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY012397.D  
Acq: 30 Jan 2023 15:01

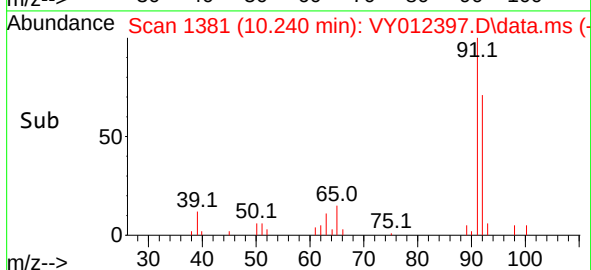
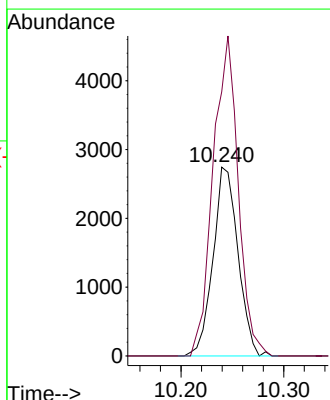
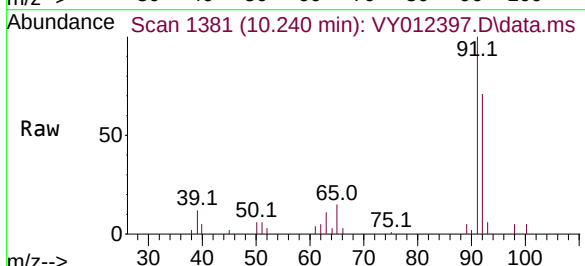
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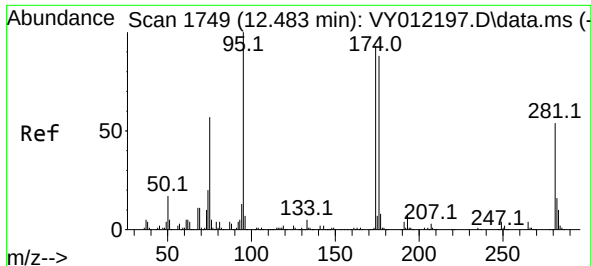
Tgt Ion: 98 Resp: 298716  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.9 77.9



#52  
Toluene  
Concen: 1.069 ug/l  
RT: 10.240 min Scan# 1381  
Delta R.T. -0.006 min  
Lab File: VY012397.D  
Acq: 30 Jan 2023 15:01

Tgt Ion: 92 Resp: 4623  
Ion Ratio Lower Upper  
92 100  
91 170.8 137.4 206.0

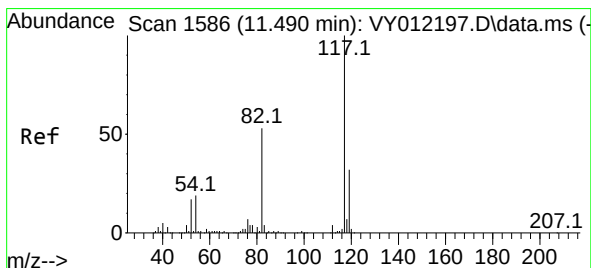
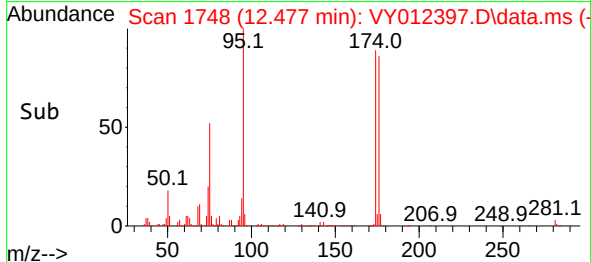
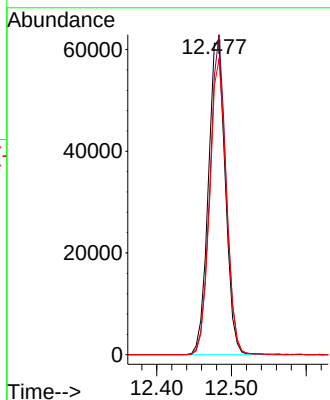
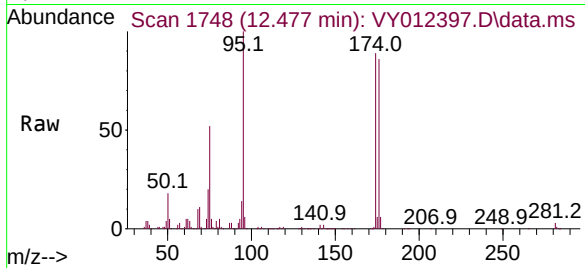




#62  
4-Bromofluorobenzene  
Concen: 52.222 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY012397.D  
Acq: 30 Jan 2023 15:01

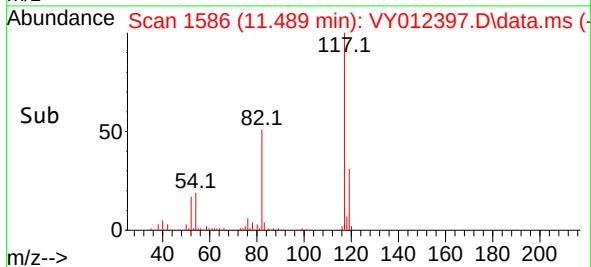
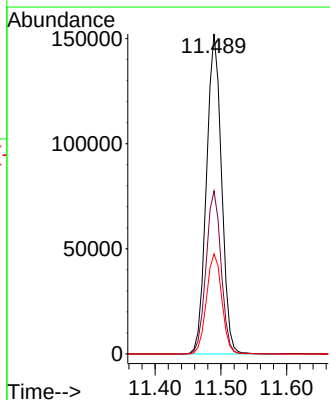
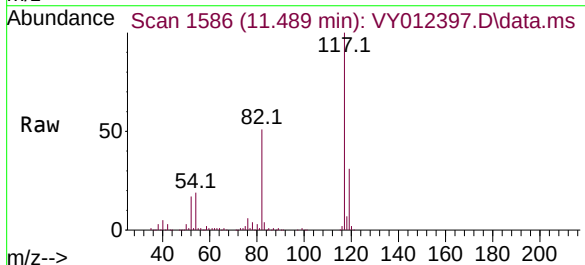
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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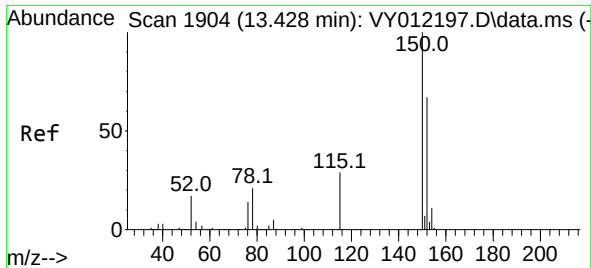
Tgt Ion: 95 Resp: 97472  
Ion Ratio Lower Upper  
95 100  
174 96.6 0.0 172.0  
176 91.9 0.0 167.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY012397.D  
Acq: 30 Jan 2023 15:01

Tgt Ion: 117 Resp: 242972  
Ion Ratio Lower Upper  
117 100  
82 50.9 44.8 67.2  
119 31.2 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY012397.D

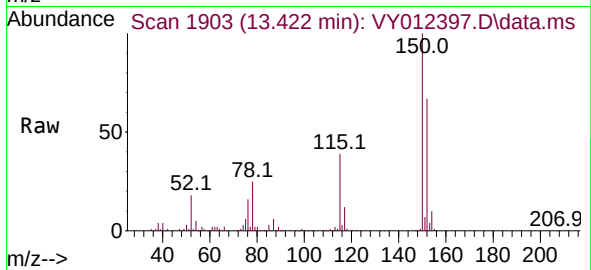
Acq: 30 Jan 2023 15:01

Instrument :

MSVOA\_Y

ClientSampleId :

JPP-11-012723



Tgt Ion:152 Resp: 109842

Ion Ratio Lower Upper

152 100

115 57.1 29.1 87.3

150 154.8 0.0 342.6

