

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022323\  
 Data File : VY012710.D  
 Acq On : 23 Feb 2023 17:32  
 Operator : KP/MD  
 Sample : 01665-01  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VNJ-231

Quant Time: Feb 23 23:55:45 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022123S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 22 01:21:05 2023  
 Response via : Initial Calibration

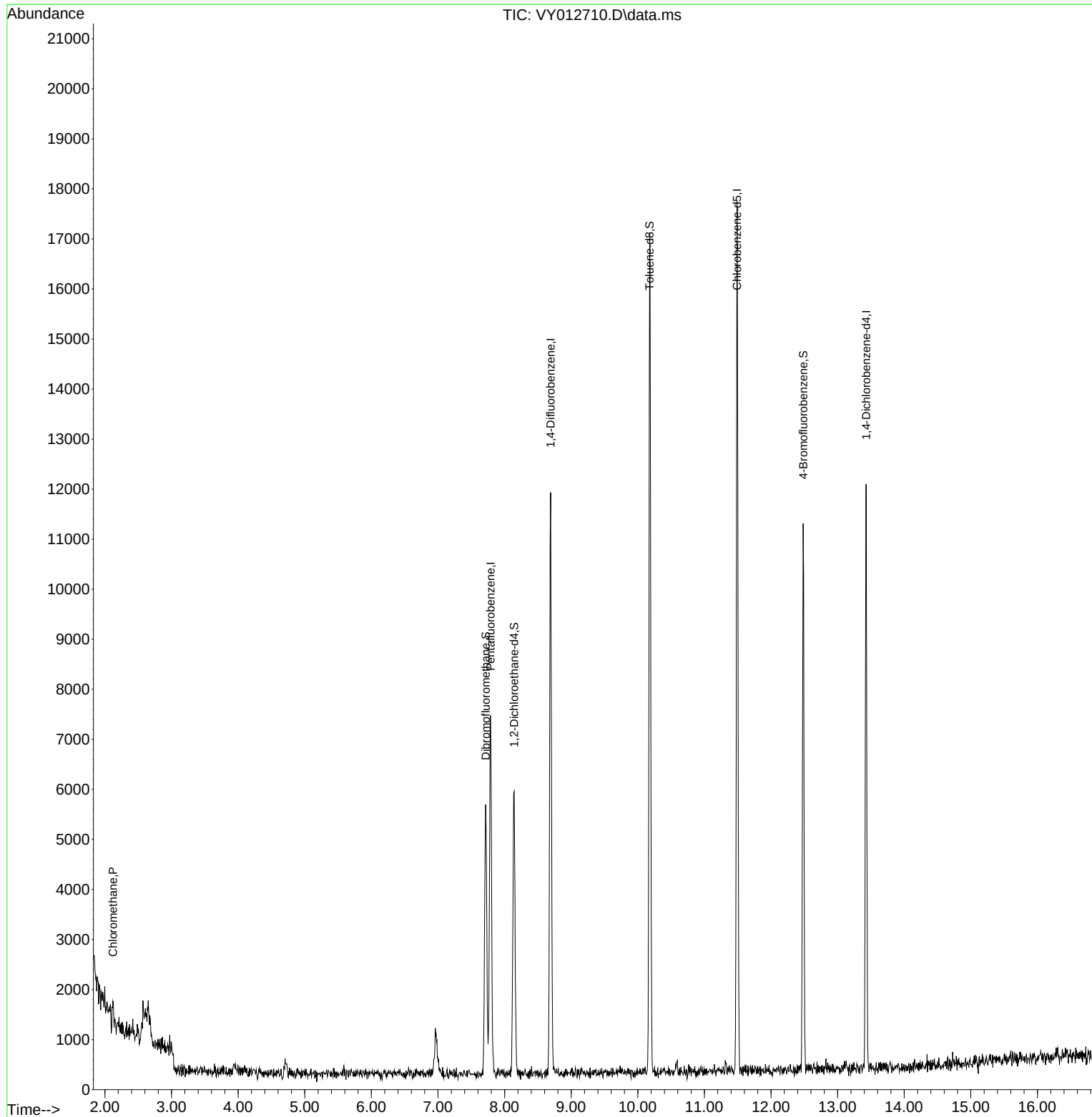
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|------------|-------------|
| -----                       |        |       |          |          |            |             |
| Internal Standards          |        |       |          |          |            |             |
| 1) Pentafluorobenzene       | 7.789  | 168   | 5958     | 50.000   | ug/l       | 0.00        |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 9929     | 50.000   | ug/l       | 0.00        |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 8956     | 50.000   | ug/l       | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 3248     | 50.000   | ug/l       | 0.00        |
| System Monitoring Compounds |        |       |          |          |            |             |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 4288     | 60.938   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 121.880% |             |
| 35) Dibromofluoromethane    | 7.716  | 113   | 3850     | 57.408   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 114.820% |             |
| 50) Toluene-d8              | 10.179 | 98    | 11057    | 44.008   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 88.020%  |             |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 3189     | 39.663   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 79.320%  |             |
| Target Compounds            |        |       |          |          |            |             |
| 3) Chloromethane            | 2.119  | 50    | 578      | 4.556    | ug/l       | Qvalue # 81 |
| -----                       |        |       |          |          |            |             |

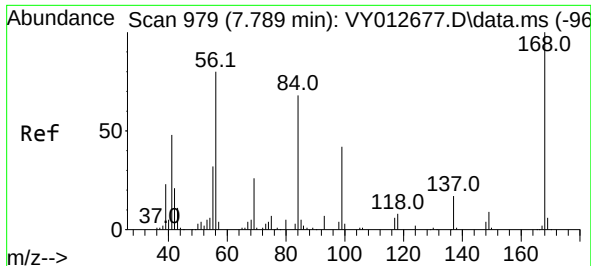
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Feb 22 01:21:05 2023  
Response via : Initial Calibration

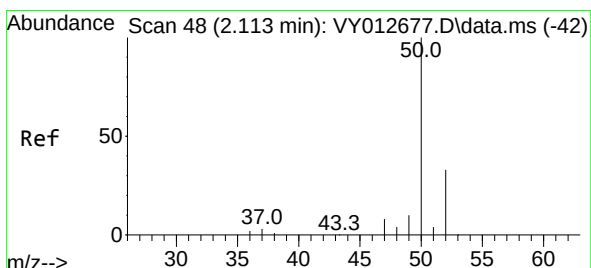
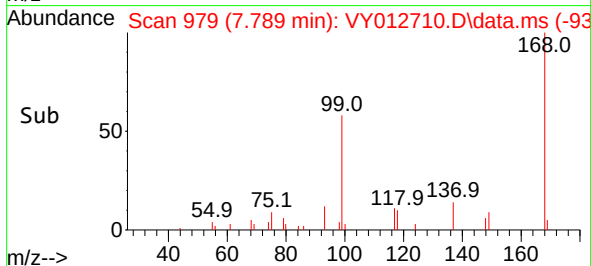
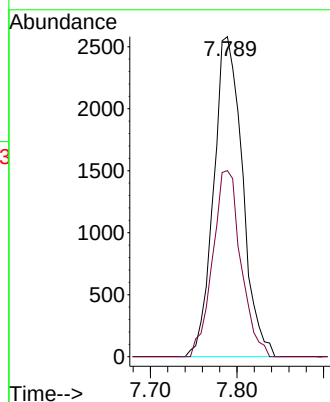
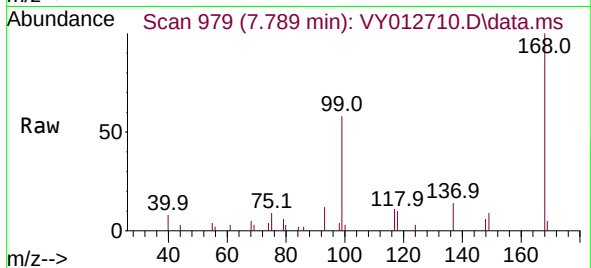




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012710.D  
Acq: 23 Feb 2023 17:32

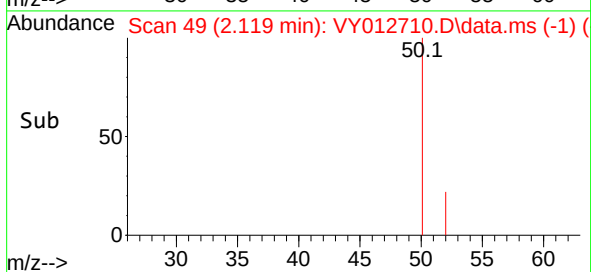
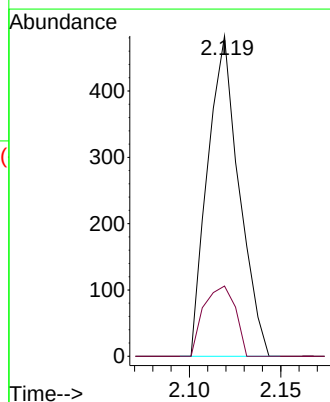
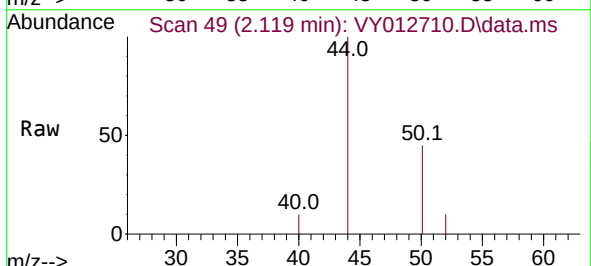
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-231

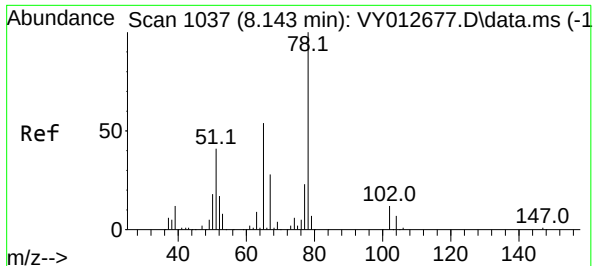
Tgt Ion:168 Resp: 5958  
Ion Ratio Lower Upper  
168 100  
99 58.2 45.4 68.2



#3  
Chloromethane  
Concen: 4.556 ug/l  
RT: 2.119 min Scan# 49  
Delta R.T. 0.006 min  
Lab File: VY012710.D  
Acq: 23 Feb 2023 17:32

Tgt Ion: 50 Resp: 578  
Ion Ratio Lower Upper  
50 100  
52 21.9 26.1 39.1#





#33

1,2-Dichloroethane-d4

Concen: 60.938 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY012710.D

Acq: 23 Feb 2023 17:32

Instrument :

MSVOA\_Y

ClientSampleId :

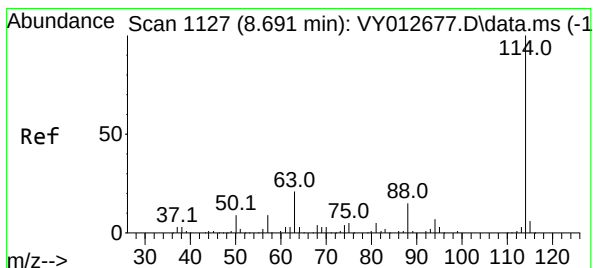
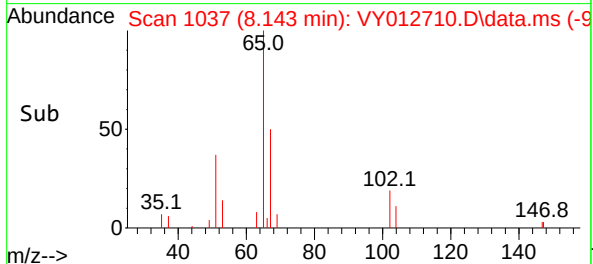
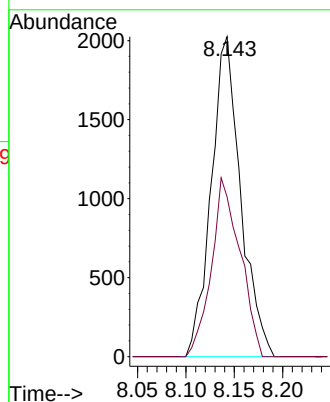
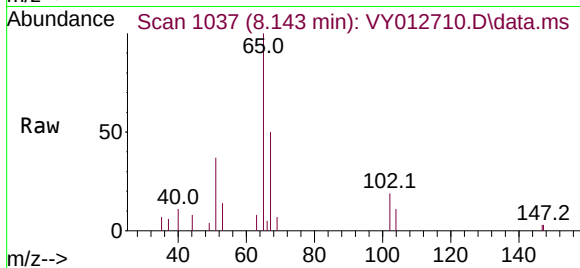
VNJ-231

Tgt Ion: 65 Resp: 4288

Ion Ratio Lower Upper

65 100

67 54.3 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012710.D

Acq: 23 Feb 2023 17:32

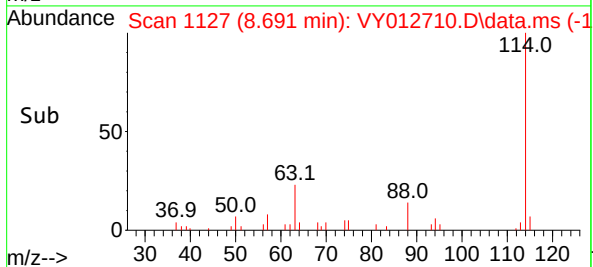
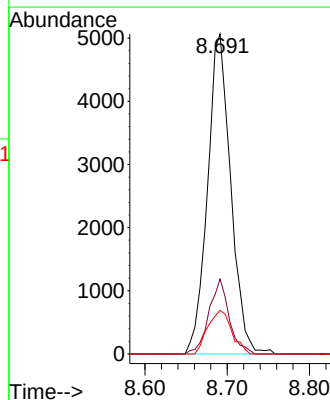
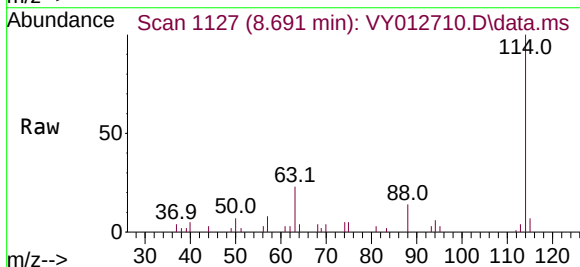
Tgt Ion: 114 Resp: 9929

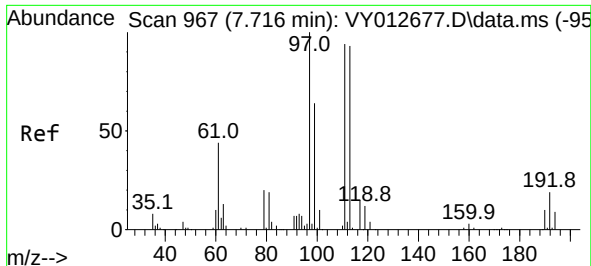
Ion Ratio Lower Upper

114 100

63 23.4 0.0 42.8

88 13.6 0.0 29.6

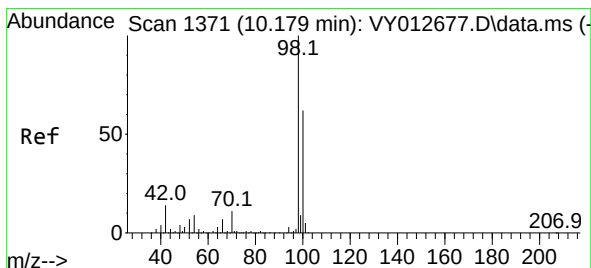
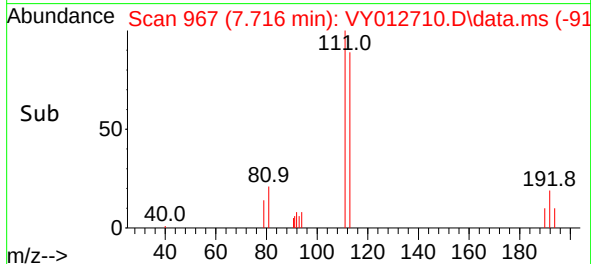
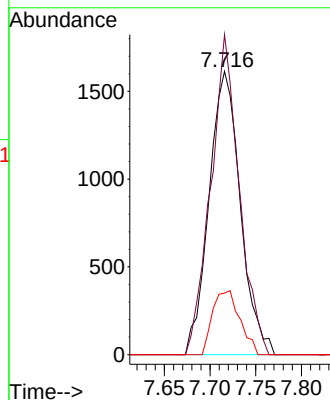
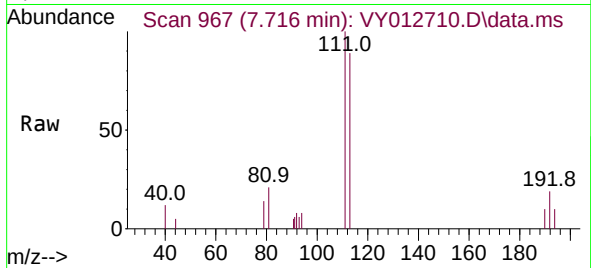




#35  
Dibromofluoromethane  
Concen: 57.408 ug/l  
RT: 7.716 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: VY012710.D  
Acq: 23 Feb 2023 17:32

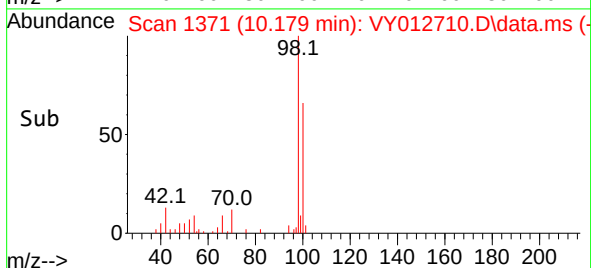
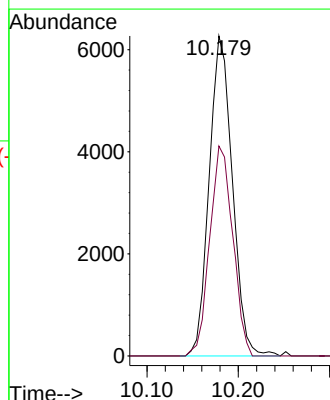
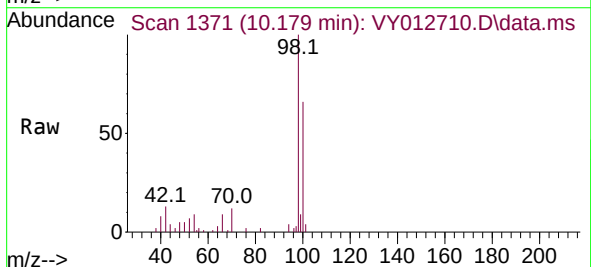
Instrument :  
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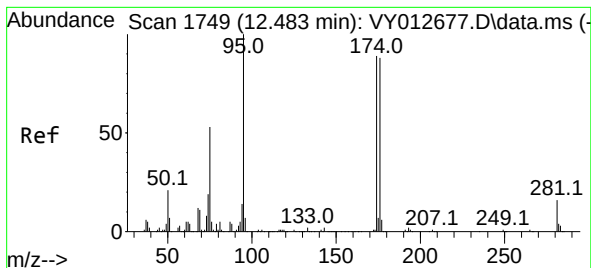
Tgt Ion:113 Resp: 3850  
Ion Ratio Lower Upper  
113 100  
111 102.5 82.0 123.0  
192 19.6 16.2 24.2



#50  
Toluene-d8  
Concen: 44.008 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY012710.D  
Acq: 23 Feb 2023 17:32

Tgt Ion: 98 Resp: 11057  
Ion Ratio Lower Upper  
98 100  
100 65.3 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 39.663 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY012710.D

Acq: 23 Feb 2023 17:32

Instrument :

MSVOA\_Y

ClientSampleId :

VNJ-231

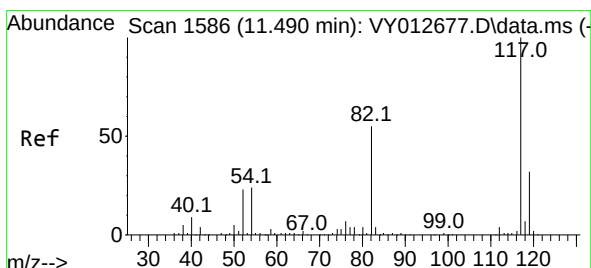
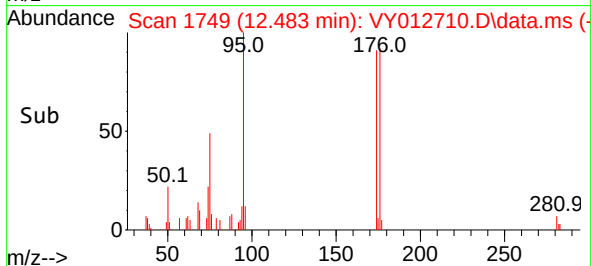
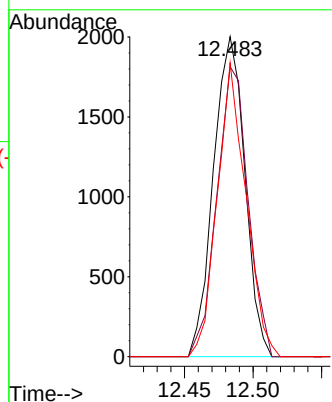
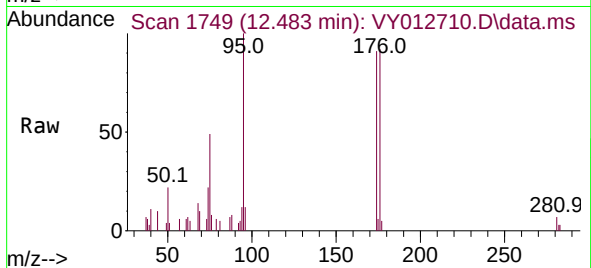
Tgt Ion: 95 Resp: 3189

Ion Ratio Lower Upper

95 100

174 90.4 0.0 172.8

176 84.0 0.0 169.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.001 min

Lab File: VY012710.D

Acq: 23 Feb 2023 17:32

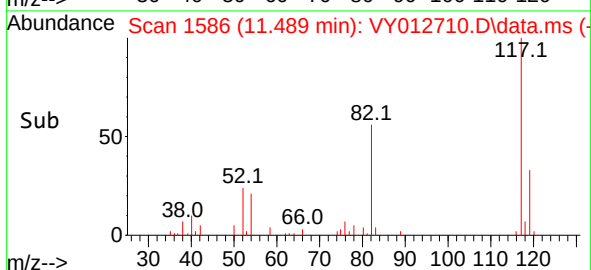
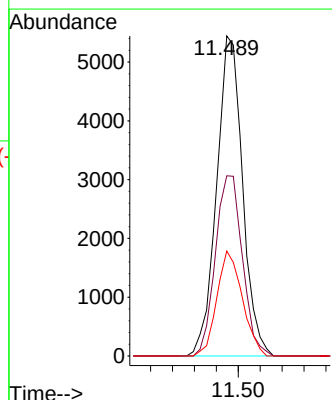
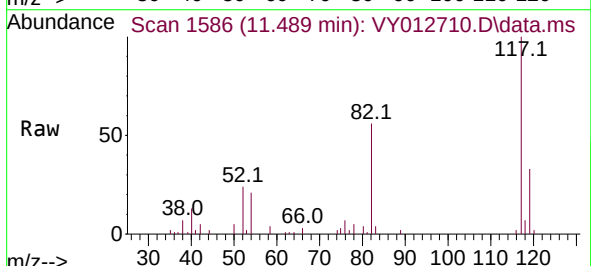
Tgt Ion: 117 Resp: 8956

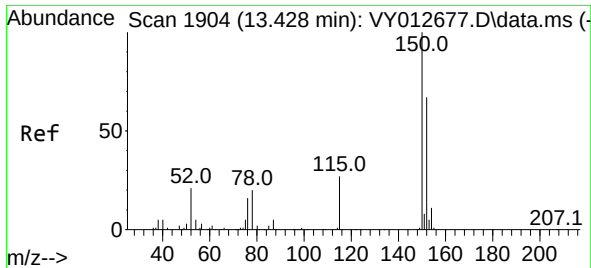
Ion Ratio Lower Upper

117 100

82 56.3 44.1 66.1

119 32.8 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY012710.D

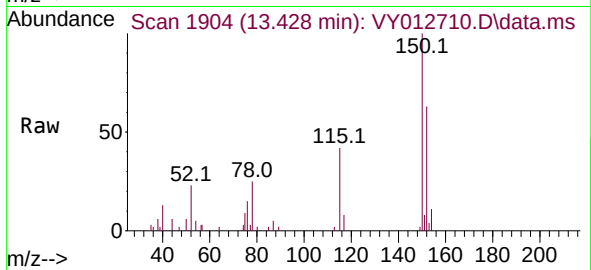
Acq: 23 Feb 2023 17:32

Instrument :

MSVOA\_Y

ClientSampleId :

VNJ-231



Tgt Ion:152 Resp: 3248

Ion Ratio Lower Upper

152 100

115 55.9 28.7 86.3

150 148.7 0.0 347.6

