

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102023\  
 Data File : VY016055.D  
 Acq On : 20 Oct 2023 10:13  
 Operator : SY/MD  
 Sample : VY1020SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1020SBL01

Quant Time: Oct 20 23:03:42 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 19 03:15:44 2023  
 Response via : Initial Calibration

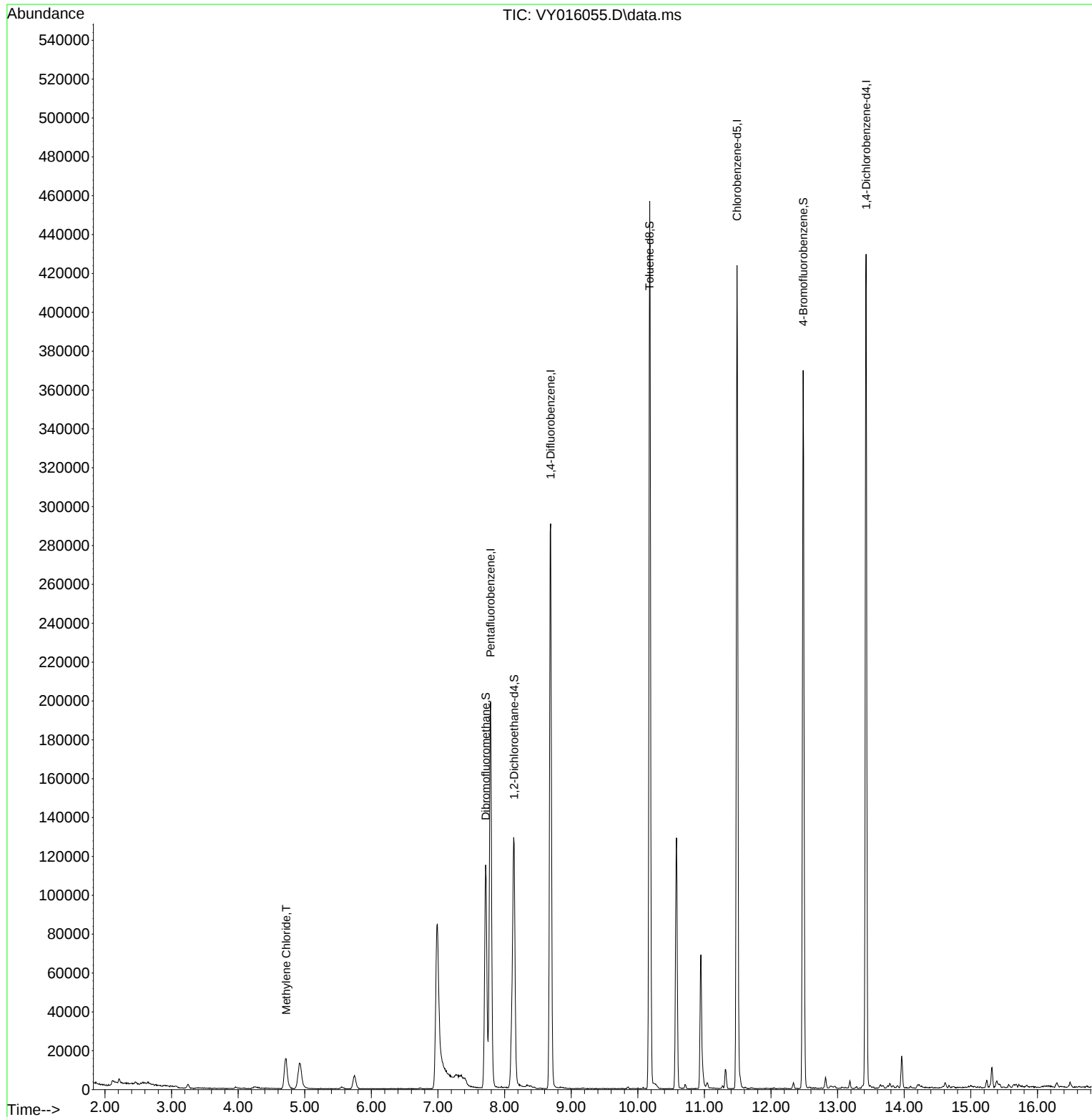
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.789  | 168   | 157195   | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 258461   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 237999   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 114252   | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 93024    | 52.067   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 104.140%  |
| 35) Dibromofluoromethane    | 7.716  | 113   | 82922    | 48.743   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 97.480%   |
| 50) Toluene-d8              | 10.179 | 98    | 300279   | 48.600   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 97.200%   |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 103107   | 46.769   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 93.540%   |
| Target Compounds            |        |       |          |          |       |           |
| 20) Methylene Chloride      | 4.722  | 84    | 12415    | 6.310    | ug/l  | Qvalue 85 |
| -----                       |        |       |          |          |       |           |

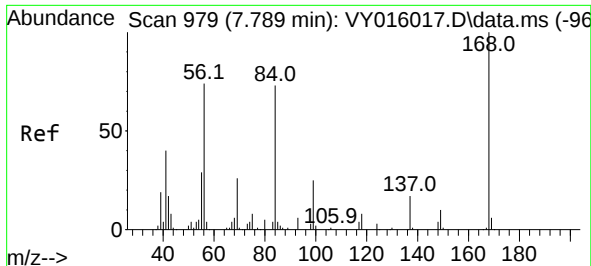
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 19 03:15:44 2023  
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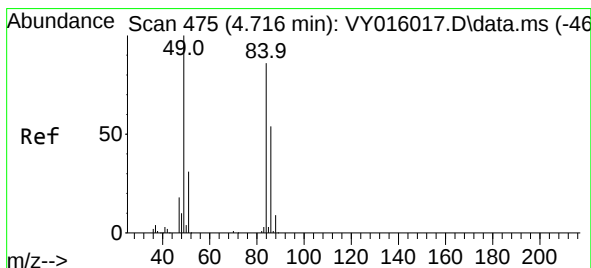
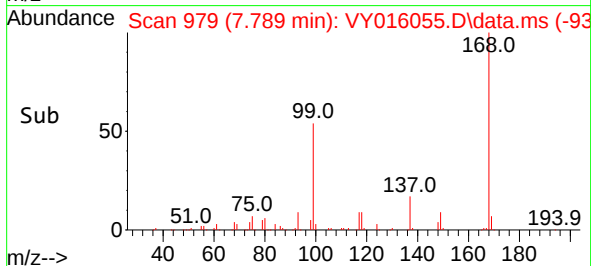
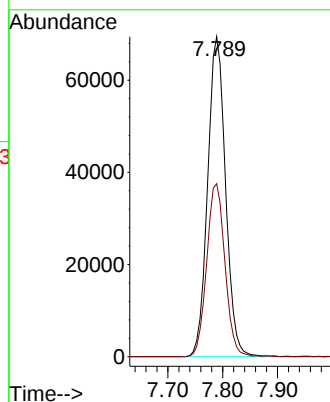
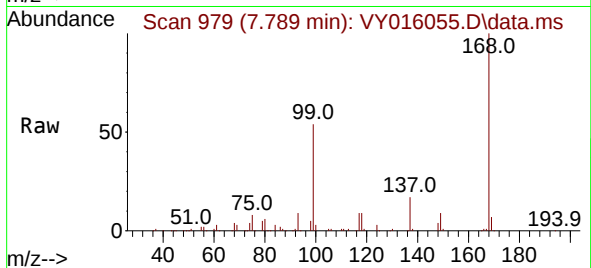




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY016055.D  
Acq: 20 Oct 2023 10:13

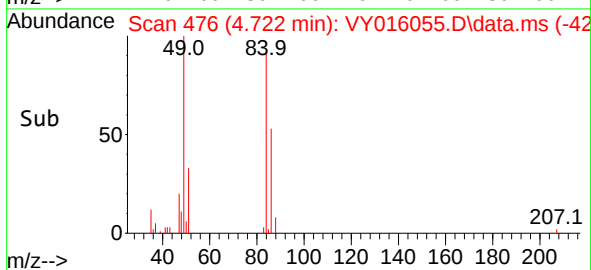
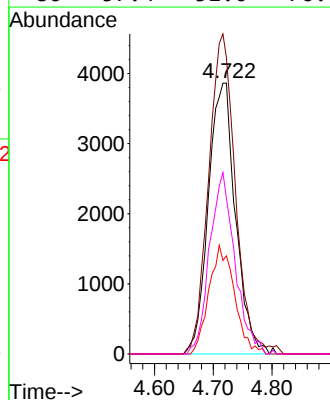
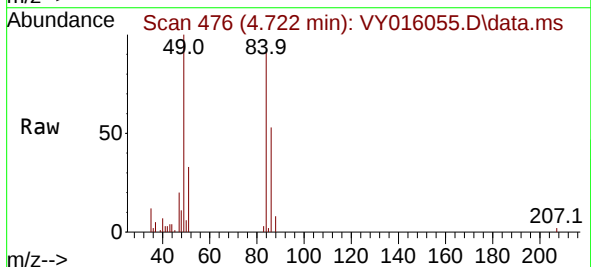
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1020SBL01

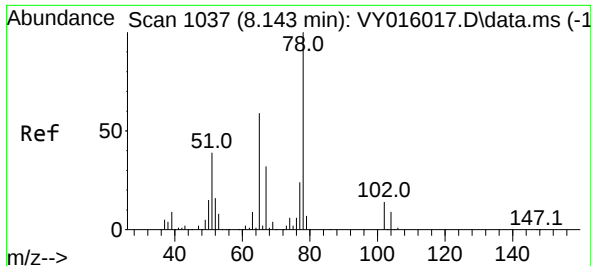
Tgt Ion:168 Resp: 157195  
Ion Ratio Lower Upper  
168 100  
99 54.1 43.4 65.0



#20  
Methylene Chloride  
Concen: 6.310 ug/l  
RT: 4.722 min Scan# 476  
Delta R.T. 0.006 min  
Lab File: VY016055.D  
Acq: 20 Oct 2023 10:13

Tgt Ion: 84 Resp: 12415  
Ion Ratio Lower Upper  
84 100  
49 109.3 106.9 160.3  
51 36.2 33.2 49.8  
86 57.4 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 52.067 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY016055.D

Acq: 20 Oct 2023 10:13

Instrument :

MSVOA\_Y

ClientSampleId :

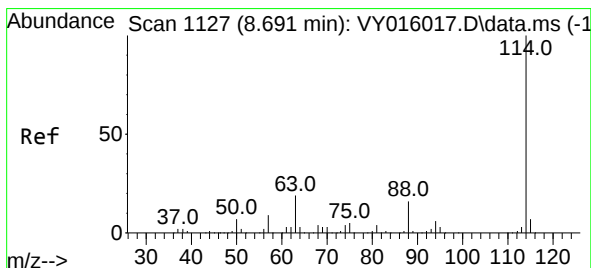
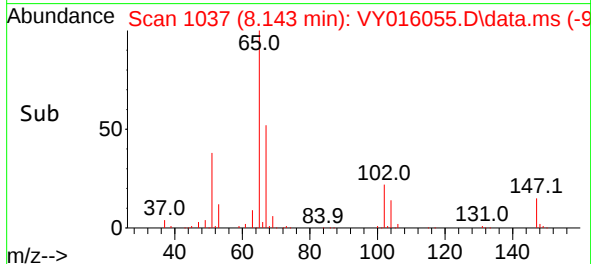
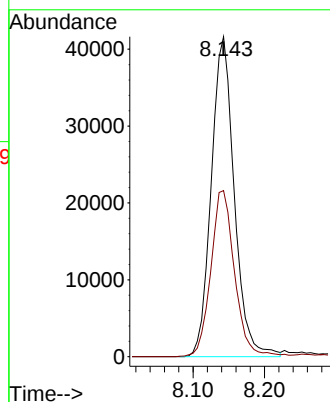
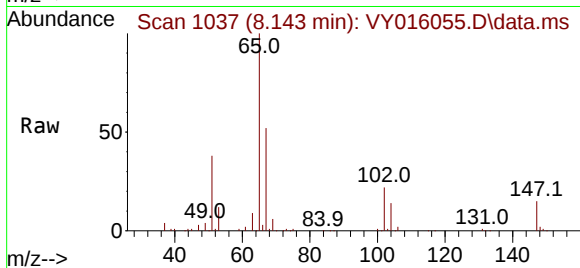
VY1020SBL01

Tgt Ion: 65 Resp: 93024

Ion Ratio Lower Upper

65 100

67 53.6 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY016055.D

Acq: 20 Oct 2023 10:13

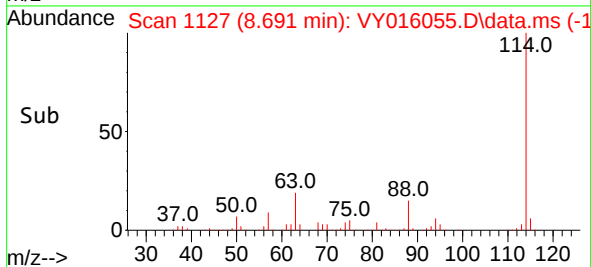
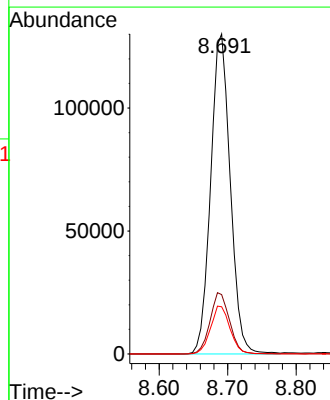
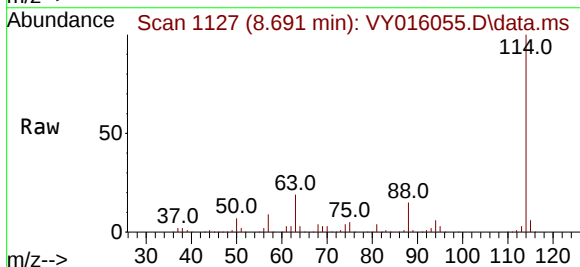
Tgt Ion: 114 Resp: 258461

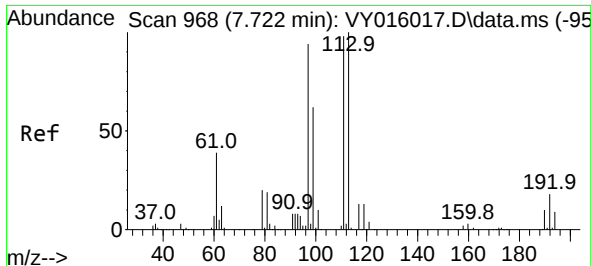
Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.4

88 14.8 0.0 30.6

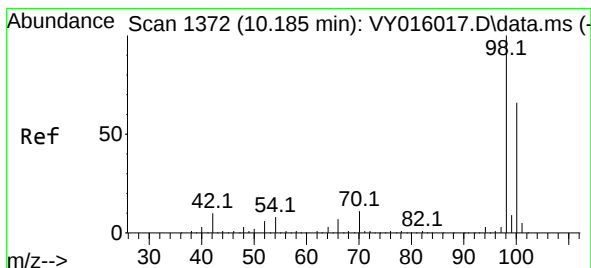
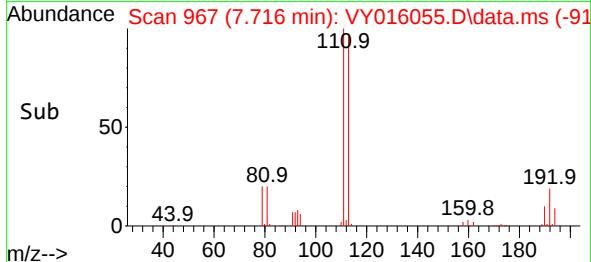
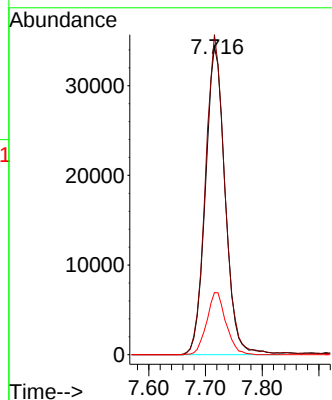
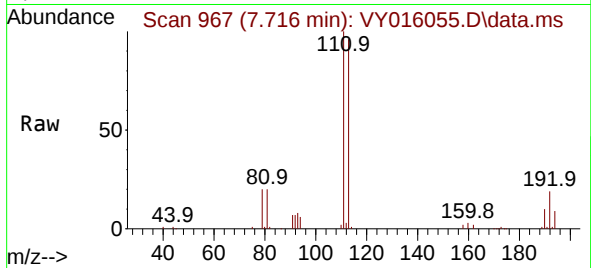




#35  
 Dibromofluoromethane  
 Concen: 48.743 ug/l  
 RT: 7.716 min Scan# 91  
 Delta R.T. -0.006 min  
 Lab File: VY016055.D  
 Acq: 20 Oct 2023 10:13

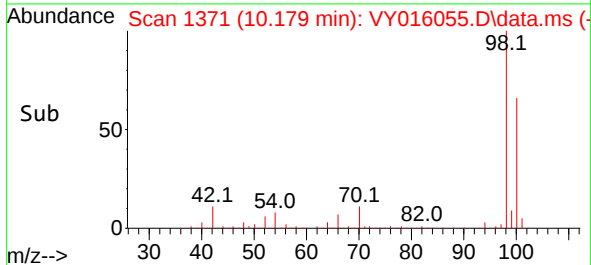
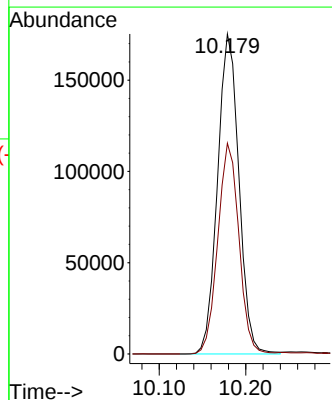
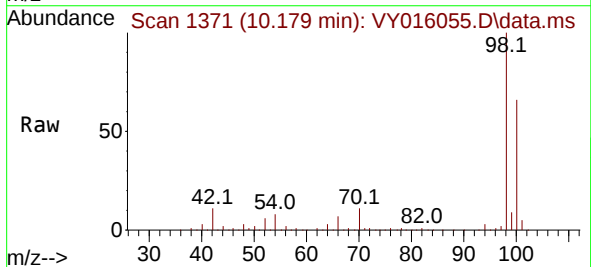
Instrument :  
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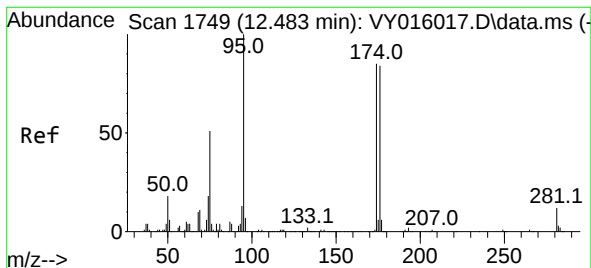
Tgt Ion:113 Resp: 82922  
 Ion Ratio Lower Upper  
 113 100  
 111 102.3 81.3 121.9  
 192 19.7 16.9 25.3



#50  
 Toluene-d8  
 Concen: 48.600 ug/l  
 RT: 10.179 min Scan# 1371  
 Delta R.T. -0.006 min  
 Lab File: VY016055.D  
 Acq: 20 Oct 2023 10:13

Tgt Ion: 98 Resp: 300279  
 Ion Ratio Lower Upper  
 98 100  
 100 65.1 50.1 75.1

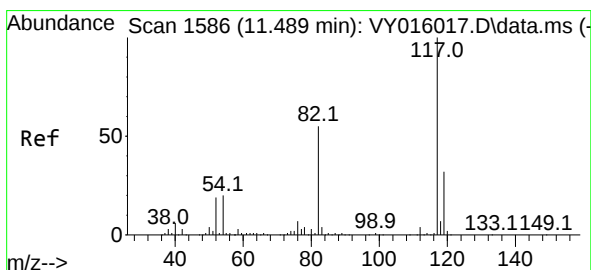
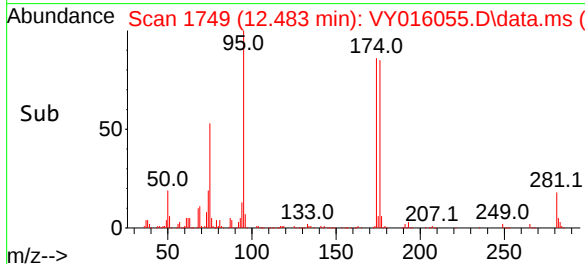
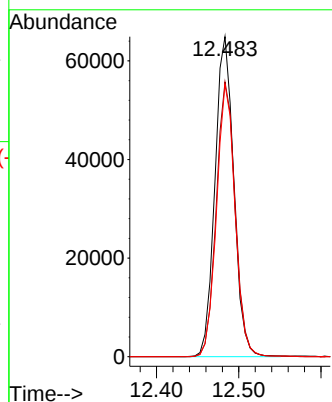
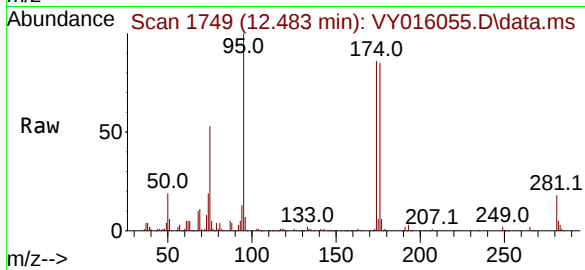




#62  
4-Bromofluorobenzene  
Concen: 46.769 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY016055.D  
Acq: 20 Oct 2023 10:13

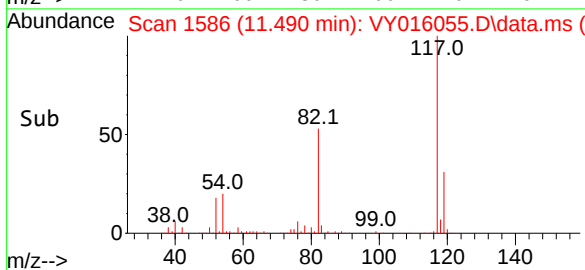
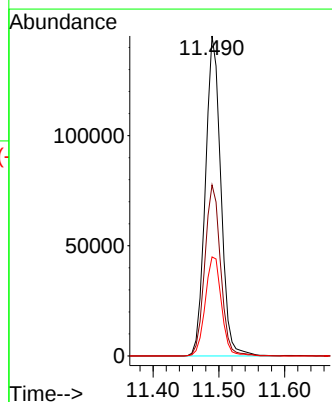
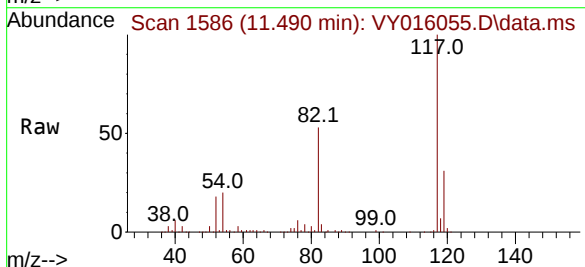
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1020SBL01

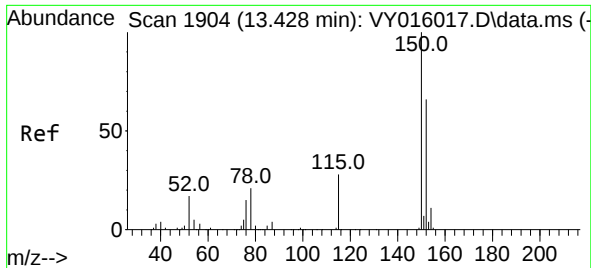
Tgt Ion: 95 Resp: 103107  
Ion Ratio Lower Upper  
95 100  
174 86.7 0.0 178.2  
176 83.6 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY016055.D  
Acq: 20 Oct 2023 10:13

Tgt Ion: 117 Resp: 237999  
Ion Ratio Lower Upper  
117 100  
82 53.4 43.4 65.0  
119 30.9 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY016055.D

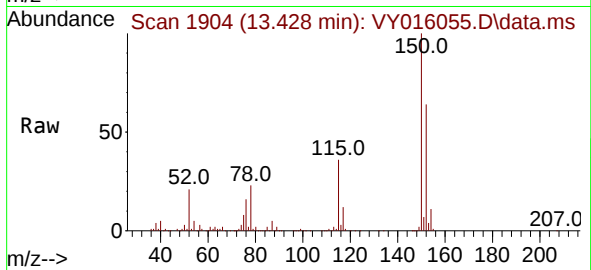
Acq: 20 Oct 2023 10:13

Instrument :

MSVOA\_Y

ClientSampleId :

VY1020SBL01



Tgt Ion:152 Resp: 114252

Ion Ratio Lower Upper

152 100

115 57.4 28.8 86.5

150 157.6 0.0 348.8

