

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052623\  
 Data File : VY013900.D  
 Acq On : 26 May 2023 17:57  
 Operator : KP/MD  
 Sample : 02945-06  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB23

Quant Time: May 29 04:35:25 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052323S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 24 05:25:47 2023  
 Response via : Initial Calibration

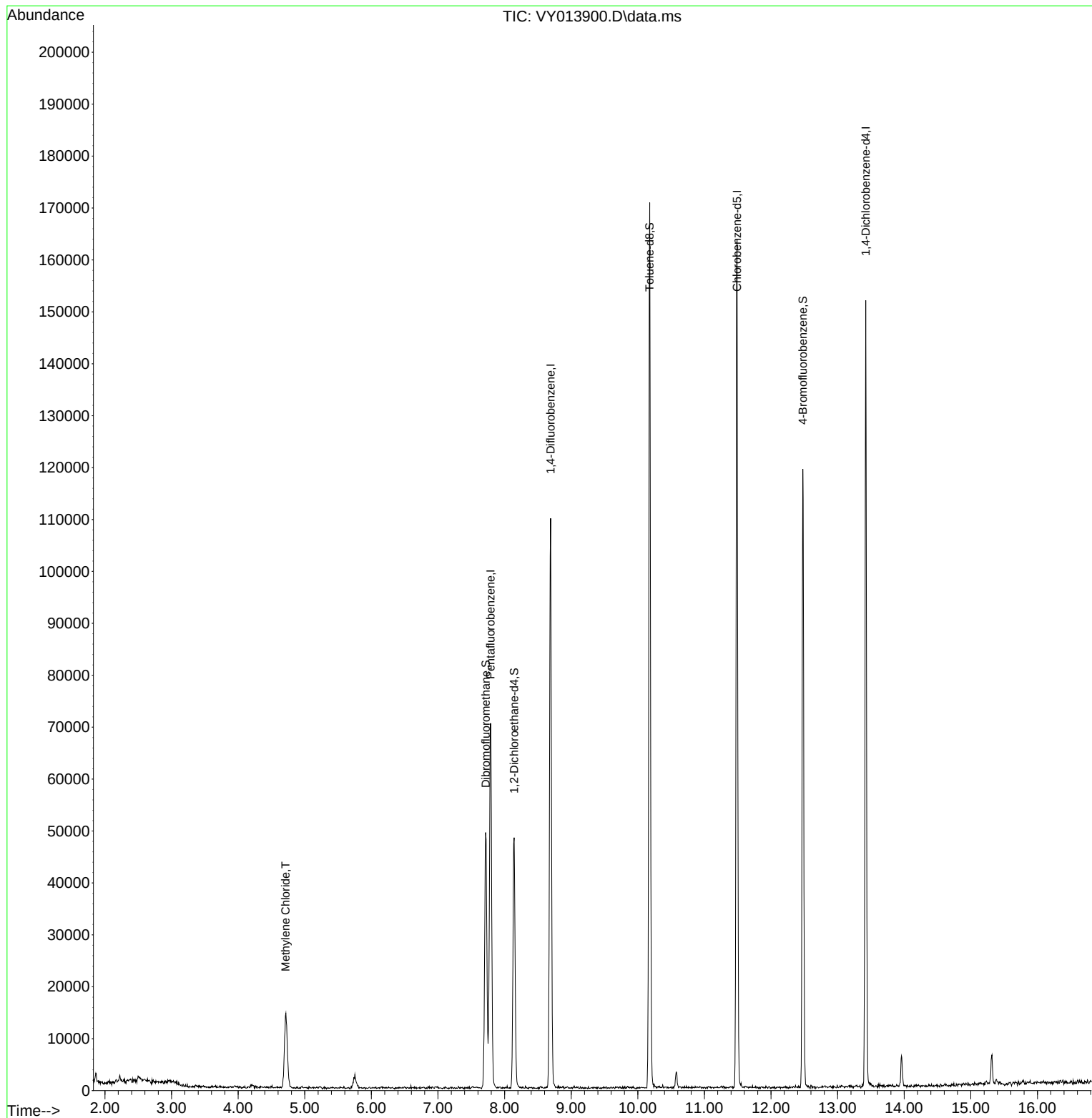
| Compound                    | R.T. QIon |                | Response | Conc   | Units    | Dev(Min)  |
|-----------------------------|-----------|----------------|----------|--------|----------|-----------|
| -----                       |           |                |          |        |          |           |
| Internal Standards          |           |                |          |        |          |           |
| 1) Pentafluorobenzene       | 7.789     | 168            | 55921    | 50.000 | ug/l     | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.691     | 114            | 90083    | 50.000 | ug/l     | 0.00      |
| 63) Chlorobenzene-d5        | 11.490    | 117            | 89435    | 50.000 | ug/l     | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.422    | 152            | 37236    | 50.000 | ug/l     | 0.00      |
| System Monitoring Compounds |           |                |          |        |          |           |
| 33) 1,2-Dichloroethane-d4   | 8.143     | 65             | 40457    | 62.535 | ug/l     | 0.00      |
| Spiked Amount               | 50.000    | Range 50 - 163 | Recovery | =      | 125.060% |           |
| 35) Dibromofluoromethane    | 7.716     | 113            | 32891    | 56.537 | ug/l     | 0.00      |
| Spiked Amount               | 50.000    | Range 54 - 147 | Recovery | =      | 113.080% |           |
| 50) Toluene-d8              | 10.179    | 98             | 110685   | 50.059 | ug/l     | 0.00      |
| Spiked Amount               | 50.000    | Range 58 - 134 | Recovery | =      | 100.120% |           |
| 62) 4-Bromofluorobenzene    | 12.477    | 95             | 33704    | 45.858 | ug/l     | 0.00      |
| Spiked Amount               | 50.000    | Range 30 - 143 | Recovery | =      | 91.720%  |           |
| Target Compounds            |           |                |          |        |          |           |
| 20) Methylene Chloride      | 4.710     | 84             | 10202    | 13.111 | ug/l     | Qvalue 90 |
| -----                       |           |                |          |        |          |           |

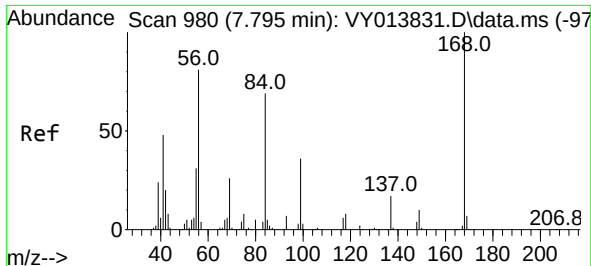
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052623\  
Data File : VY013900.D  
Acq On : 26 May 2023 17:57  
Operator : KP/MD  
Sample : 02945-06  
Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB23

Quant Time: May 29 04:35:25 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052323S.M  
Quant Title : SW846 8260  
QLast Update : Wed May 24 05:25:47 2023  
Response via : Initial Calibration

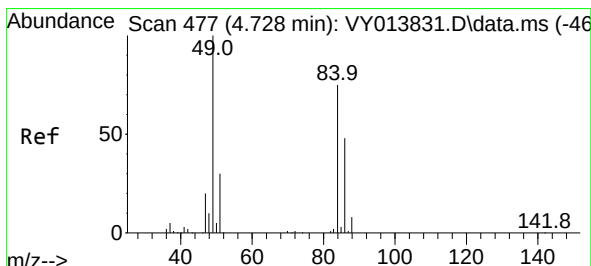
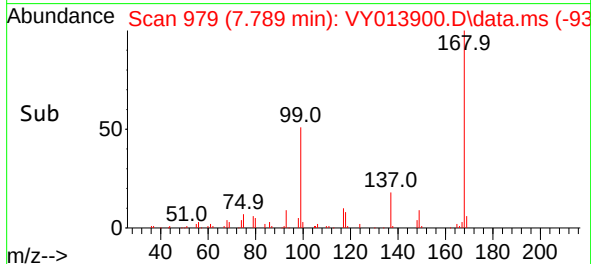
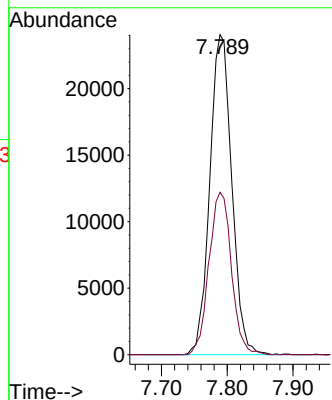
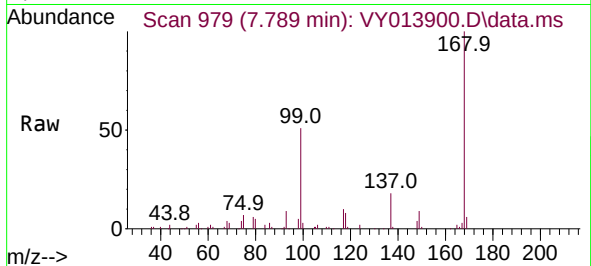




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY013900.D  
Acq: 26 May 2023 17:57

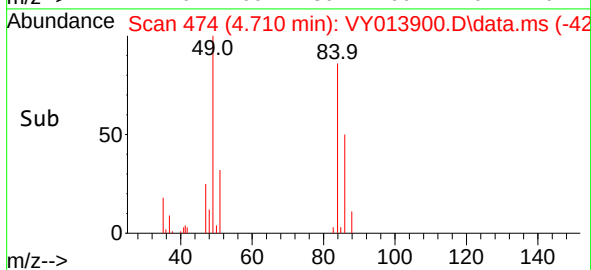
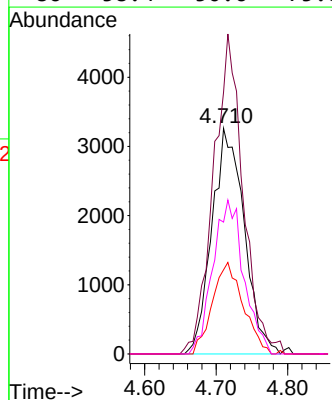
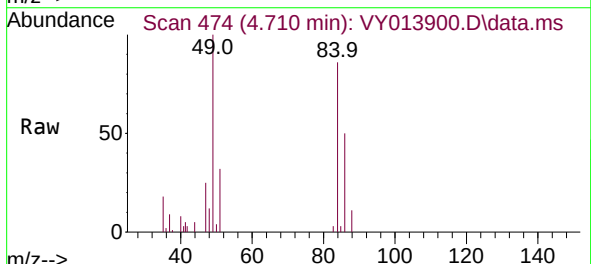
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB23

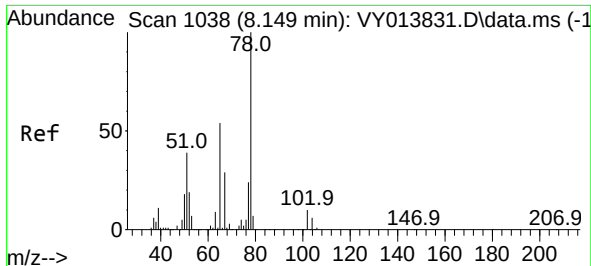
Tgt Ion:168 Resp: 55921  
Ion Ratio Lower Upper  
168 100  
99 50.8 43.4 65.2



#20  
Methylene Chloride  
Concen: 13.111 ug/l  
RT: 4.710 min Scan# 474  
Delta R.T. -0.018 min  
Lab File: VY013900.D  
Acq: 26 May 2023 17:57

Tgt Ion: 84 Resp: 10202  
Ion Ratio Lower Upper  
84 100  
49 116.0 106.2 159.2  
51 37.3 31.4 47.0  
86 58.4 50.6 75.8





#33

1,2-Dichloroethane-d4

Concen: 62.535 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VY013900.D

Acq: 26 May 2023 17:57

Instrument :

MSVOA\_Y

ClientSampleId :

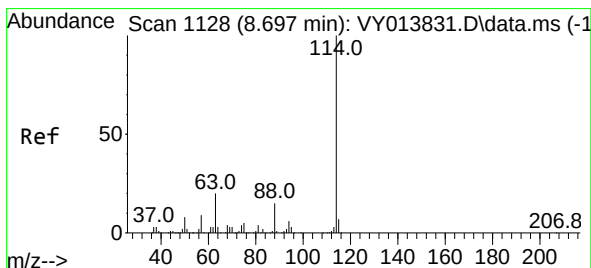
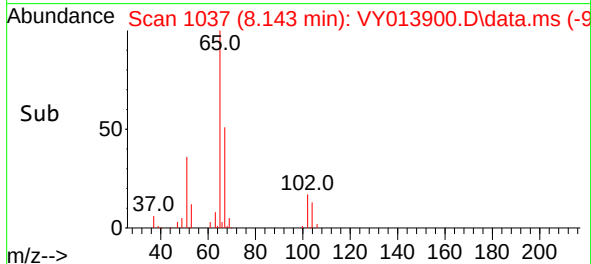
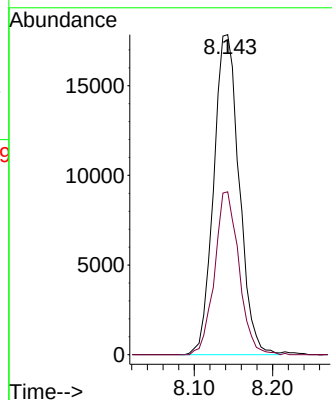
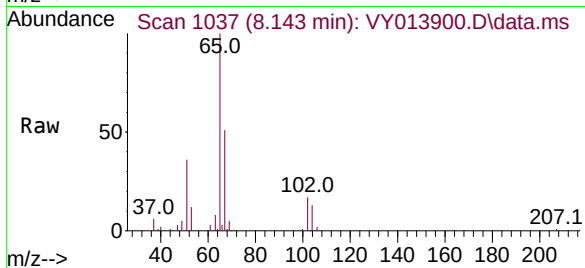
SB23

Tgt Ion: 65 Resp: 40457

Ion Ratio Lower Upper

65 100

67 48.6 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY013900.D

Acq: 26 May 2023 17:57

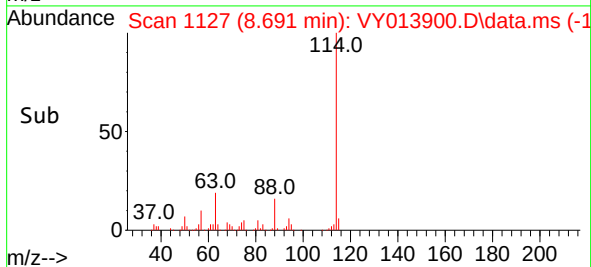
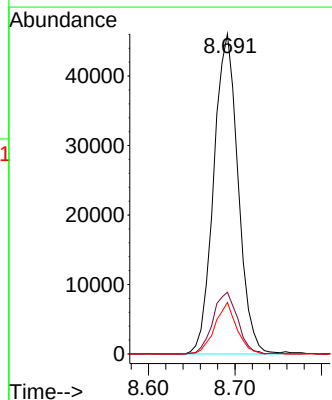
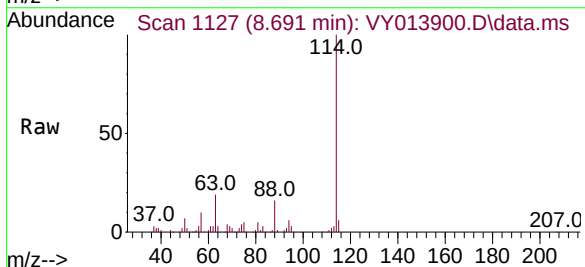
Tgt Ion: 114 Resp: 90083

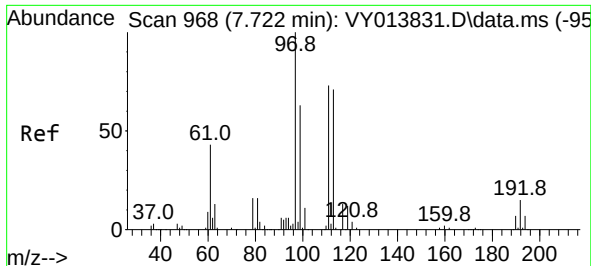
Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.2

88 16.1 0.0 30.0

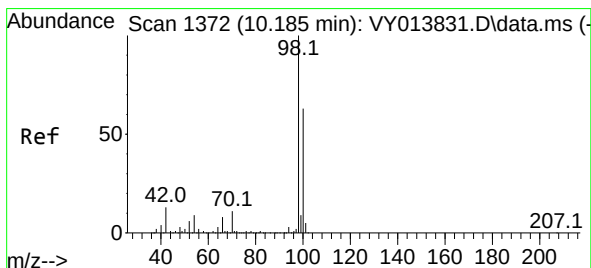
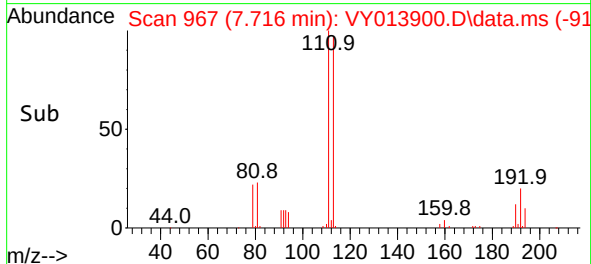
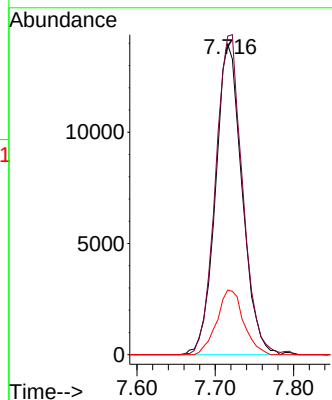
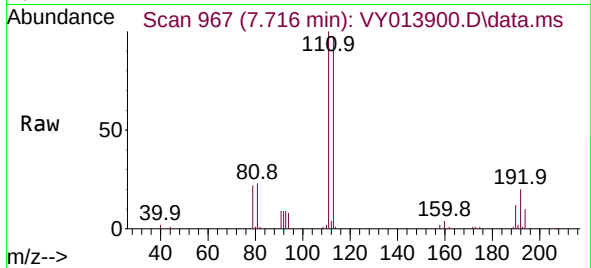




#35  
Dibromofluoromethane  
Concen: 56.537 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY013900.D  
Acq: 26 May 2023 17:57

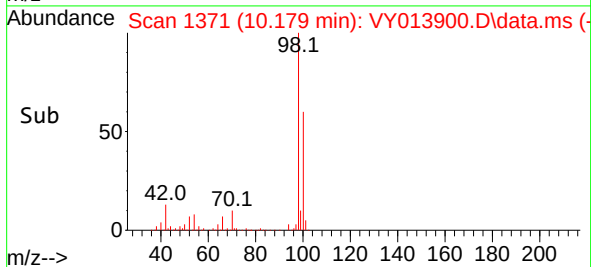
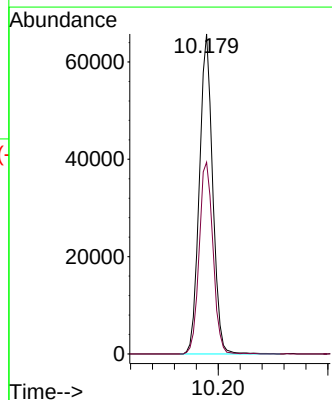
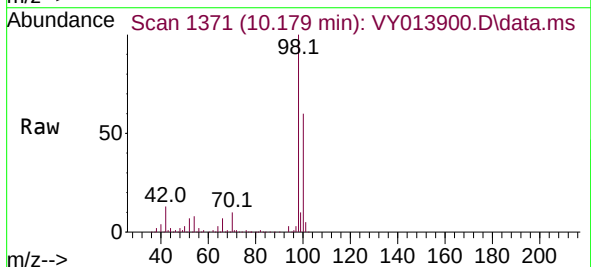
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB23

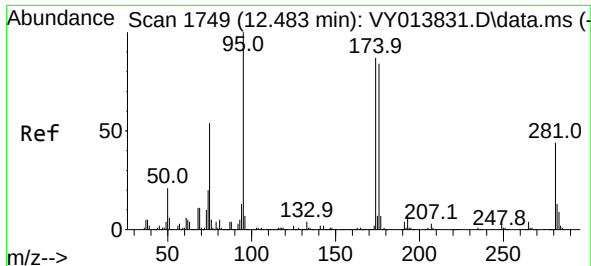
Tgt Ion:113 Resp: 32891  
Ion Ratio Lower Upper  
113 100  
111 104.9 80.4 120.6  
192 21.0 16.6 25.0



#50  
Toluene-d8  
Concen: 50.059 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.006 min  
Lab File: VY013900.D  
Acq: 26 May 2023 17:57

Tgt Ion: 98 Resp: 110685  
Ion Ratio Lower Upper  
98 100  
100 62.2 50.8 76.2

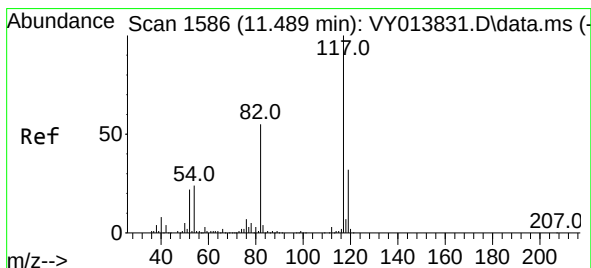
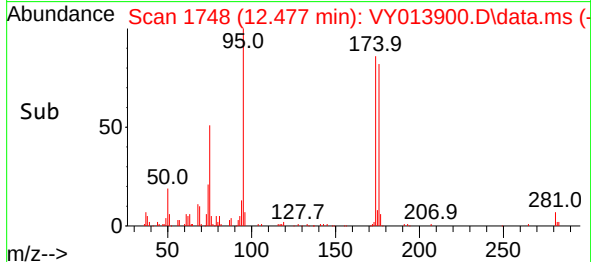
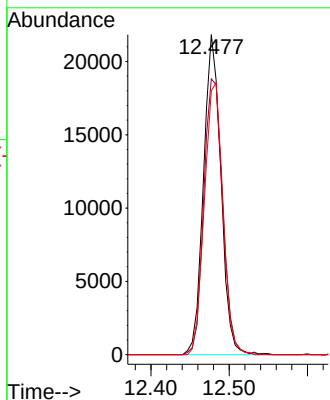
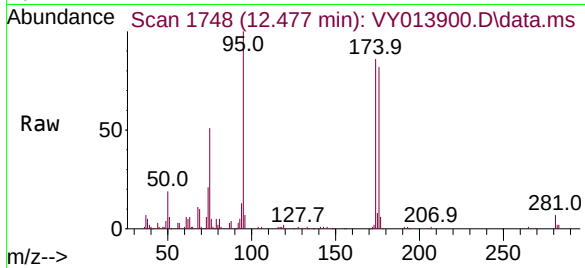




#62  
4-Bromofluorobenzene  
Concen: 45.858 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY013900.D  
Acq: 26 May 2023 17:57

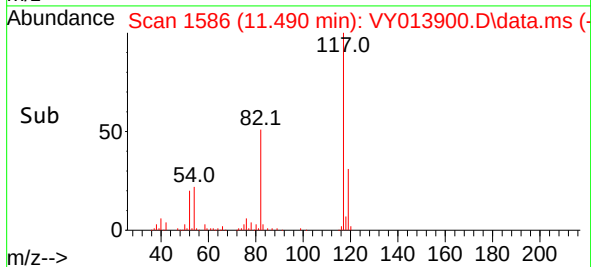
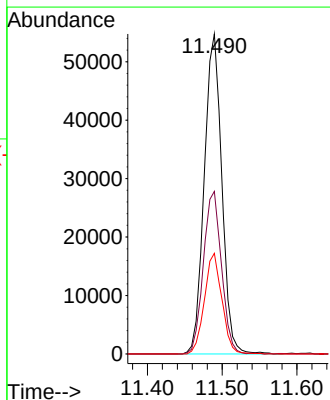
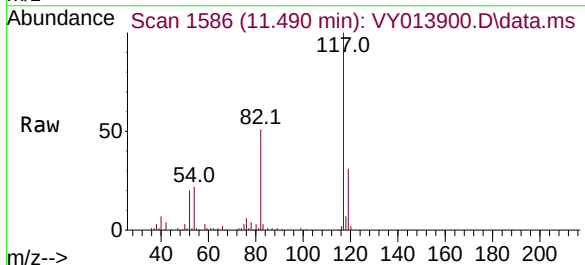
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB23

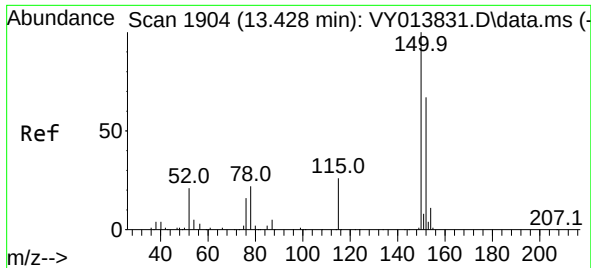
Tgt Ion: 95 Resp: 33704  
Ion Ratio Lower Upper  
95 100  
174 93.1 0.0 176.0  
176 90.6 0.0 170.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY013900.D  
Acq: 26 May 2023 17:57

Tgt Ion: 117 Resp: 89435  
Ion Ratio Lower Upper  
117 100  
82 50.8 44.2 66.4  
119 31.4 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY013900.D

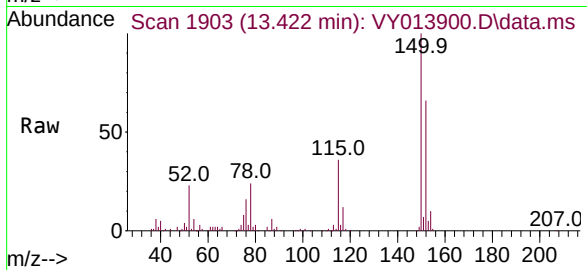
Acq: 26 May 2023 17:57

Instrument :

MSVOA\_Y

ClientSampleId :

SB23



Tgt Ion:152 Resp: 37236

Ion Ratio Lower Upper

152 100

115 54.2 28.8 86.5

150 160.1 0.0 353.4

