

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102723\  
 Data File : VY016108.D  
 Acq On : 27 Oct 2023 16:20  
 Operator : SY/MD  
 Sample : 05050-07RE  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B2RE

Quant Time: Oct 30 06:10:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102623S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 27 04:12:29 2023  
 Response via : Initial Calibration

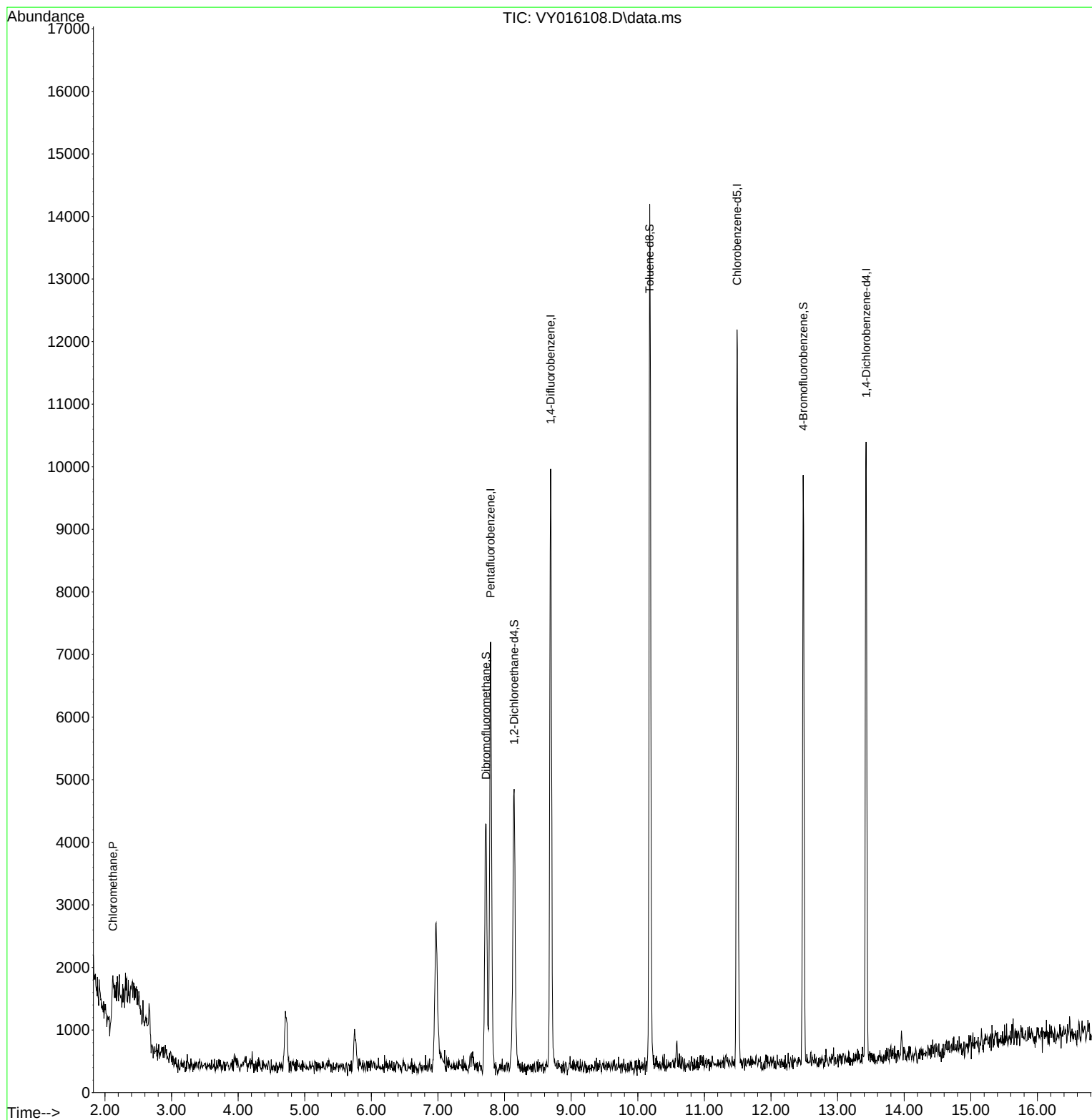
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|-------|-------------|
| -----                       |        |       |          |          |       |             |
| Internal Standards          |        |       |          |          |       |             |
| 1) Pentafluorobenzene       | 7.789  | 168   | 5368     | 50.000   | ug/l  | 0.00        |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 8825     | 50.000   | ug/l  | 0.00        |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 7525     | 50.000   | ug/l  | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 3123     | 50.000   | ug/l  | 0.00        |
| System Monitoring Compounds |        |       |          |          |       |             |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 3608     | 67.594   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 135.180%    |
| 35) Dibromofluoromethane    | 7.722  | 113   | 3079     | 55.267   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 110.540%    |
| 50) Toluene-d8              | 10.179 | 98    | 9698     | 46.994   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 93.980%     |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 2762     | 39.018   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 78.040%     |
| Target Compounds            |        |       |          |          |       |             |
| 3) Chloromethane            | 2.119  | 50    | 397      | 8.745    | ug/l  | Qvalue # 87 |
| -----                       |        |       |          |          |       |             |

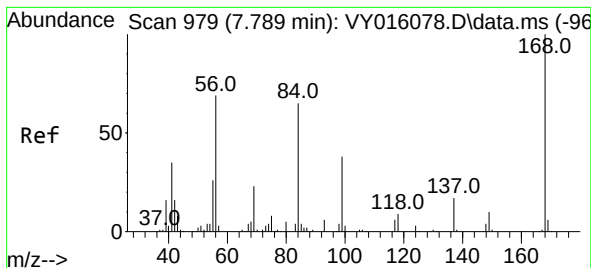
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102723\  
Data File : VY016108.D  
Acq On : 27 Oct 2023 16:20  
Operator : SY/MD  
Sample : 05050-07RE  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
B2RE

Quant Time: Oct 30 06:10:03 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102623S.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 27 04:12:29 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: VY016108.D

Acq: 27 Oct 2023 16:20

Instrument :

MSVOA\_Y

ClientSampleId :

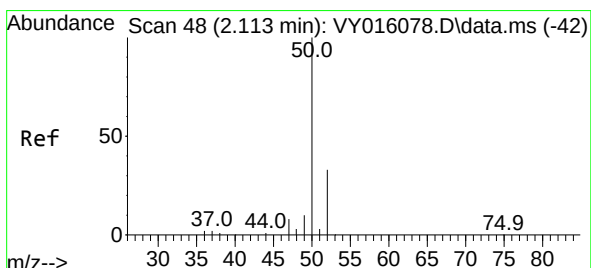
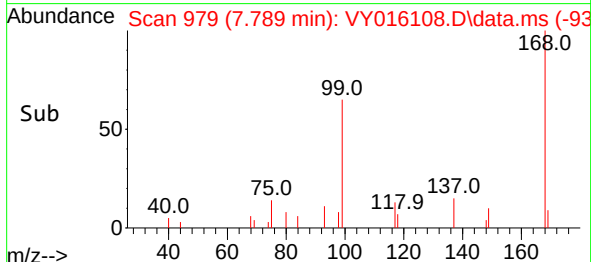
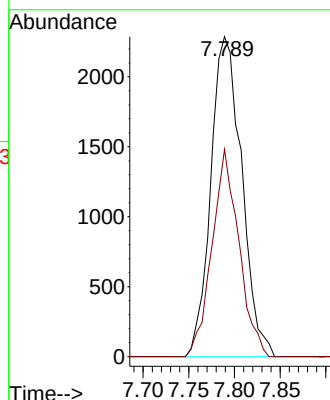
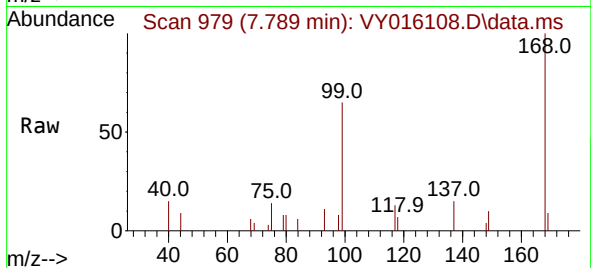
B2RE

Tgt Ion:168 Resp: 5368

Ion Ratio Lower Upper

168 100

99 64.8 43.4 65.0



#3

Chloromethane

Concen: 8.745 ug/l

RT: 2.119 min Scan# 49

Delta R.T. 0.006 min

Lab File: VY016108.D

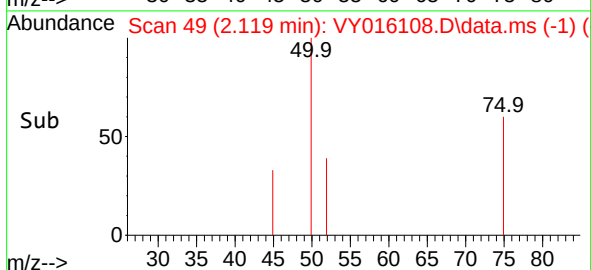
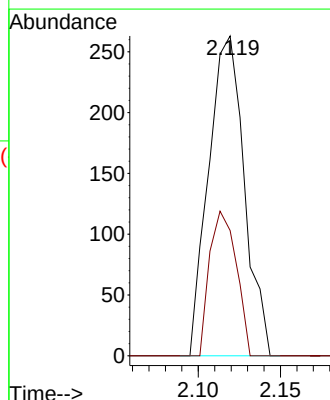
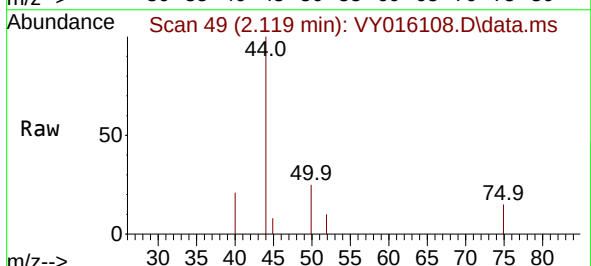
Acq: 27 Oct 2023 16:20

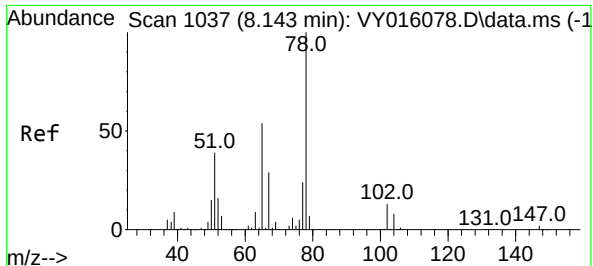
Tgt Ion: 50 Resp: 397

Ion Ratio Lower Upper

50 100

52 39.2 25.4 38.2#





#33

1,2-Dichloroethane-d4

Concen: 67.594 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY016108.D

Acq: 27 Oct 2023 16:20

Instrument :

MSVOA\_Y

ClientSampleId :

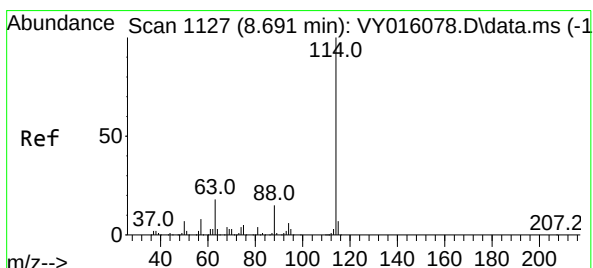
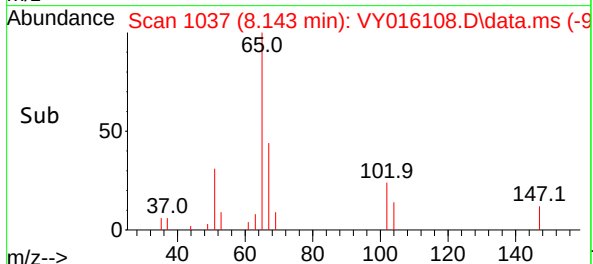
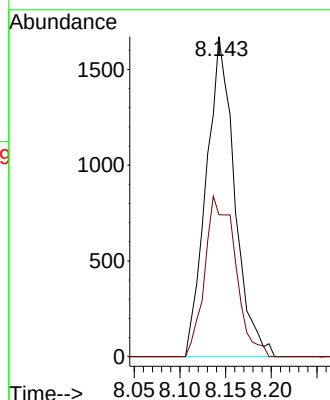
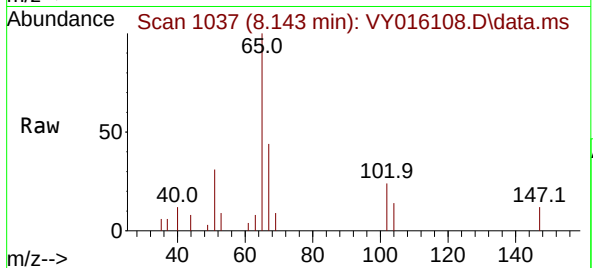
B2RE

Tgt Ion: 65 Resp: 3608

Ion Ratio Lower Upper

65 100

67 53.9 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: VY016108.D

Acq: 27 Oct 2023 16:20

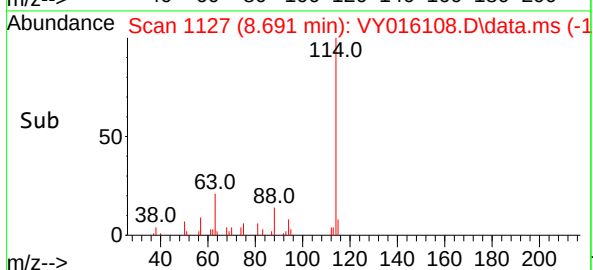
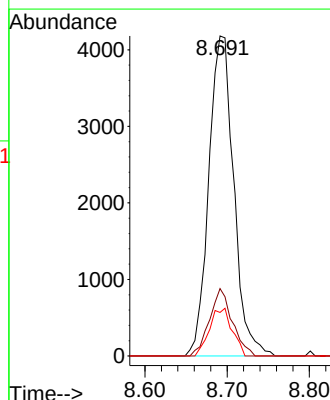
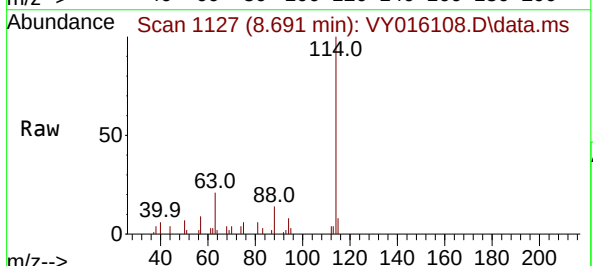
Tgt Ion: 114 Resp: 8825

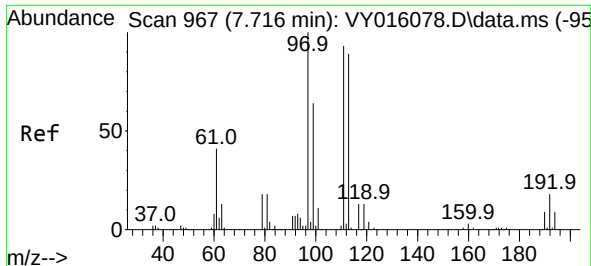
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.4

88 13.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 55.267 ug/l

RT: 7.722 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY016108.D

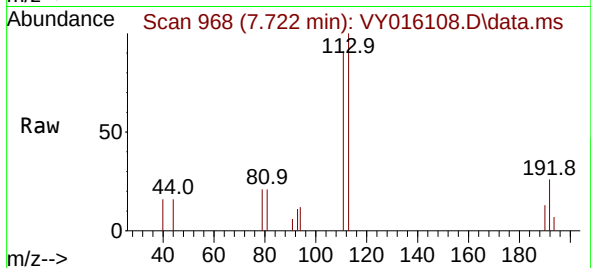
Acq: 27 Oct 2023 16:20

Instrument :

MSVOA\_Y

ClientSampleId :

B2RE



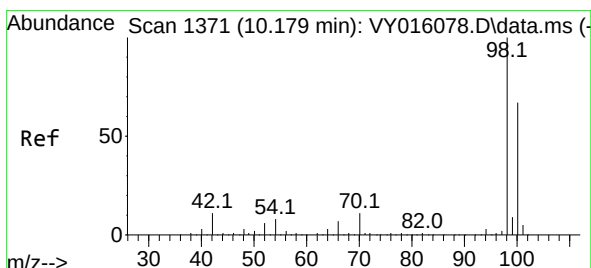
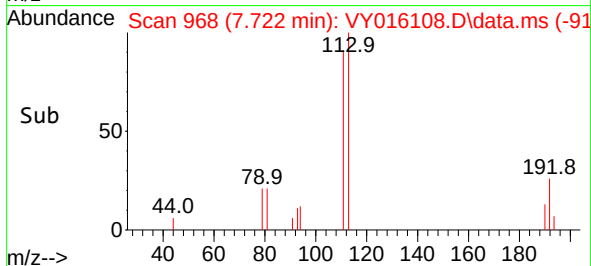
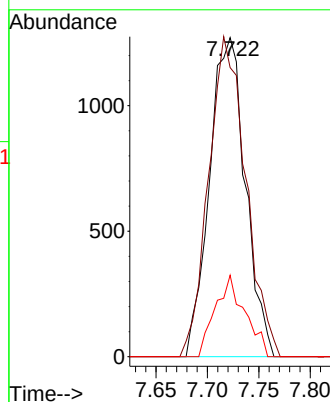
Tgt Ion:113 Resp: 3079

Ion Ratio Lower Upper

113 100

111 103.9 81.3 121.9

192 21.1 16.9 25.3



#50

Toluene-d8

Concen: 46.994 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY016108.D

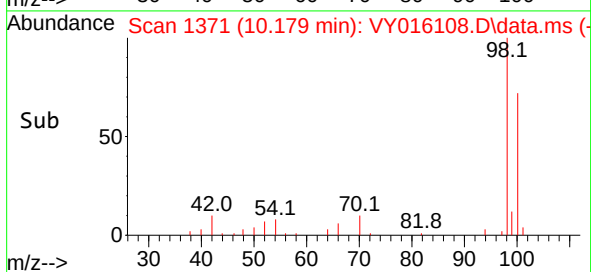
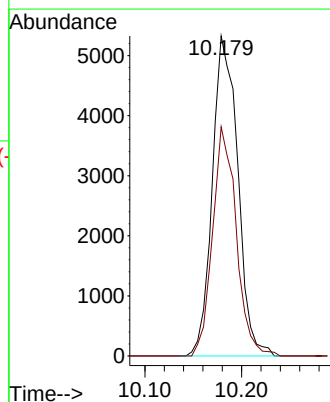
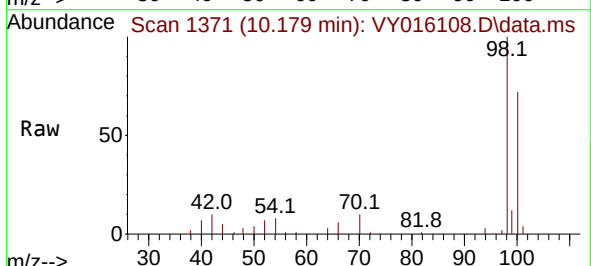
Acq: 27 Oct 2023 16:20

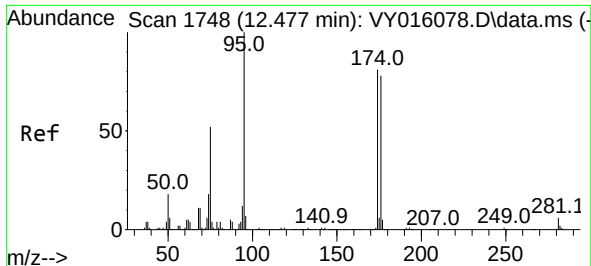
Tgt Ion: 98 Resp: 9698

Ion Ratio Lower Upper

98 100

100 66.8 50.1 75.1

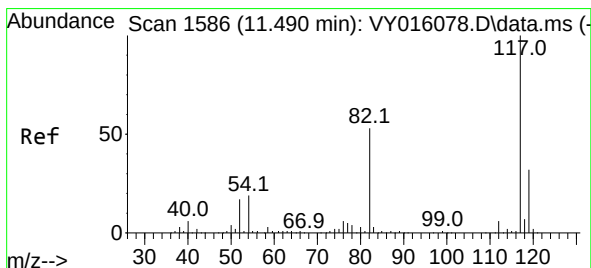
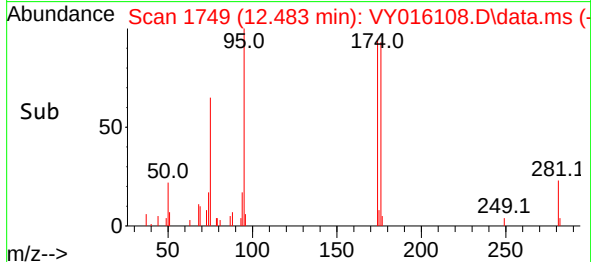
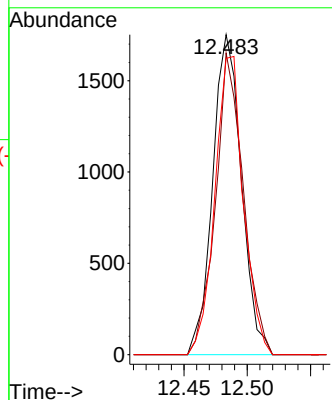
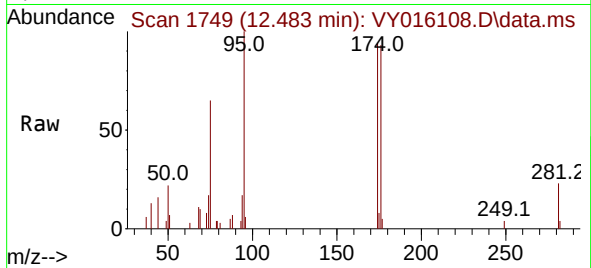




#62  
4-Bromofluorobenzene  
Concen: 39.018 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY016108.D  
Acq: 27 Oct 2023 16:20

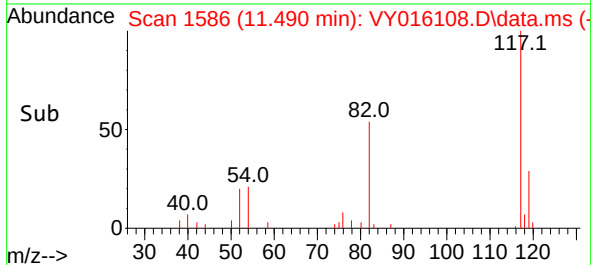
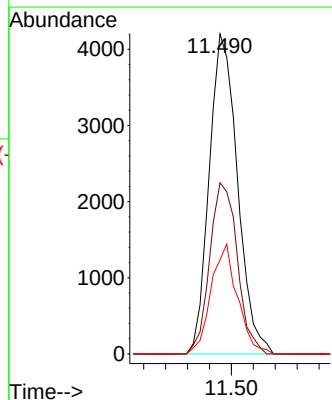
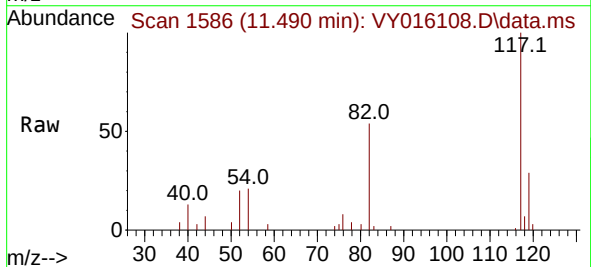
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B2RE

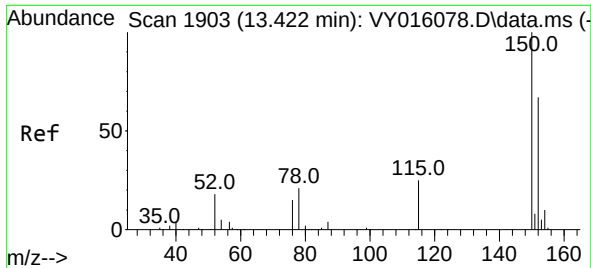
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 2762  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 91.5  | 0.0   | 178.2 |
| 176      | 92.7  | 0.0   | 173.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY016108.D  
Acq: 27 Oct 2023 16:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 7525  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 53.5  | 43.4  | 65.0  |
| 119      | 29.4  | 26.3  | 39.5  |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY016108.D

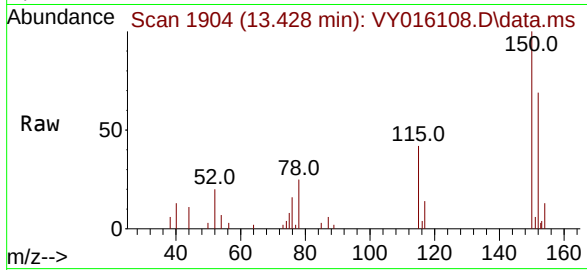
Acq: 27 Oct 2023 16:20

Instrument :

MSVOA\_Y

ClientSampleId :

B2RE



Tgt Ion:152 Resp: 3123

Ion Ratio Lower Upper

152 100

115 52.4 28.8 86.5

150 143.6 0.0 348.8

