

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050223\  
 Data File : VY013556.D  
 Acq On : 02 May 2023 15:00  
 Operator : KP/MD  
 Sample : 02567-02  
 Misc : 8.25g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B-21-SB02

Quant Time: May 03 01:33:50 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

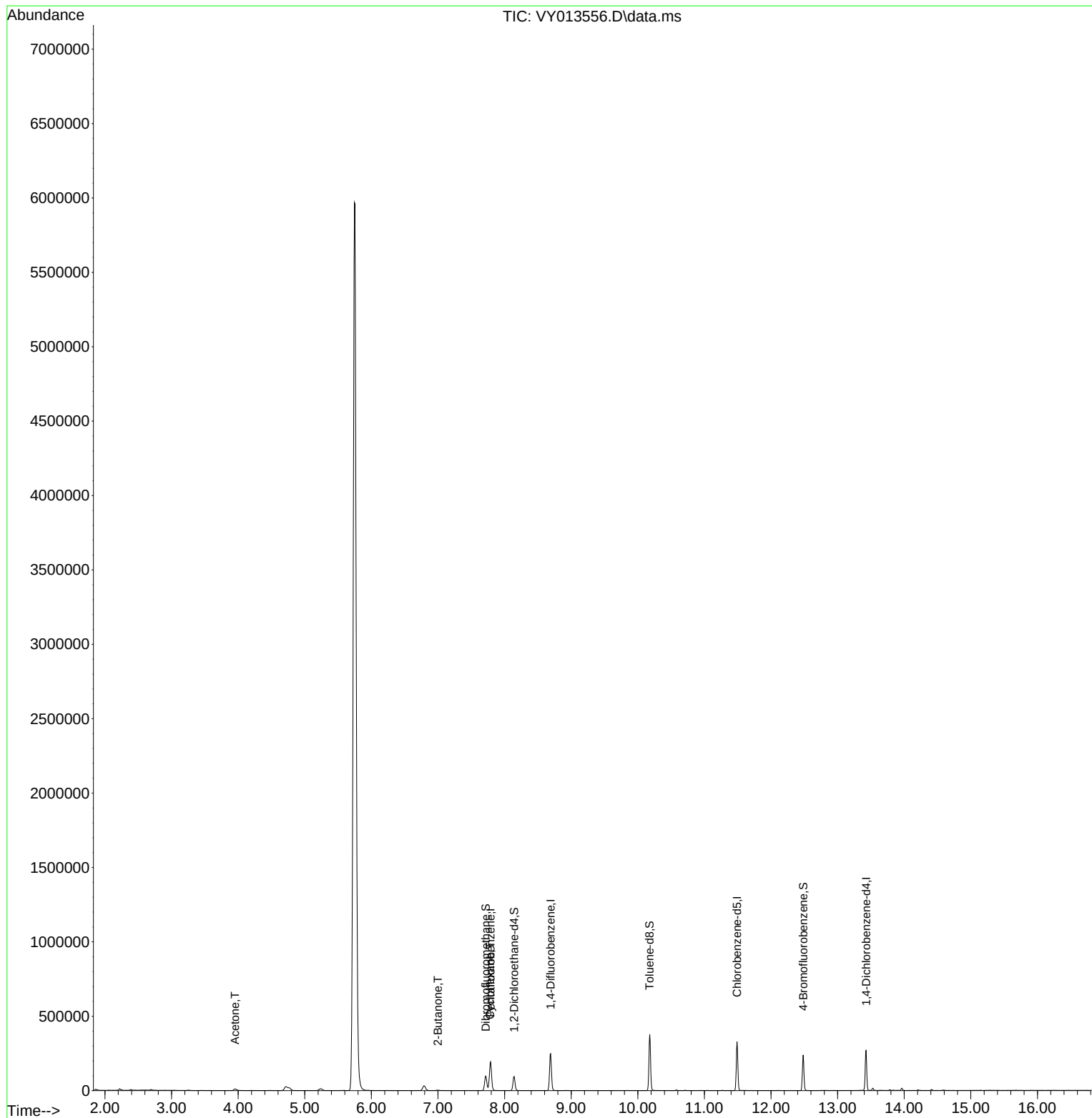
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 143643   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 209643   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 174231   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 72281    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 76949    | 48.868   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 97.740%  |
| 35) Dibromofluoromethane    | 7.715  | 113   | 67370    | 51.094   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 102.180% |
| 50) Toluene-d8              | 10.178 | 98    | 245865   | 52.416   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 104.840% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 64058    | 40.509   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 81.020%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.954  | 43    | 21435    | 34.566   | ug/l   | 96       |
| 25) 2-Butanone              | 6.996  | 43    | 5086     | 6.467    | ug/l # | 82       |
| 31) Cyclohexane             | 7.782  | 56    | 6147     | 2.180    | ug/l # | 69       |
| -----                       |        |       |          |          |        |          |

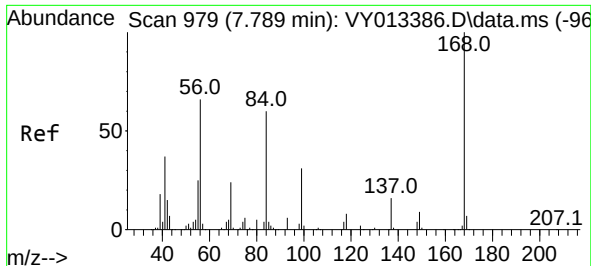
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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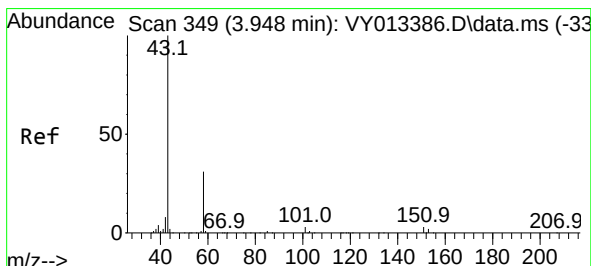
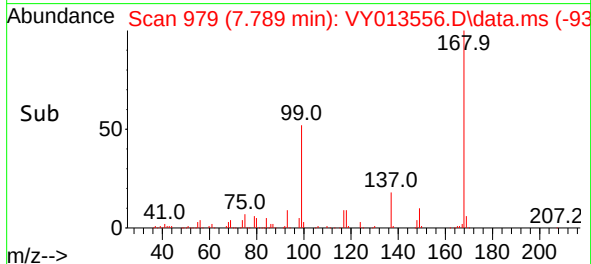
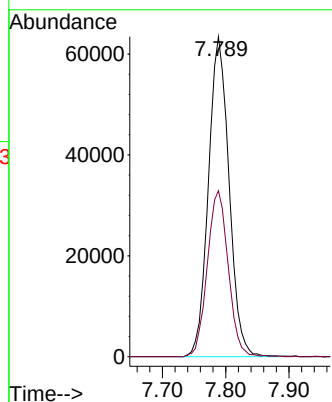
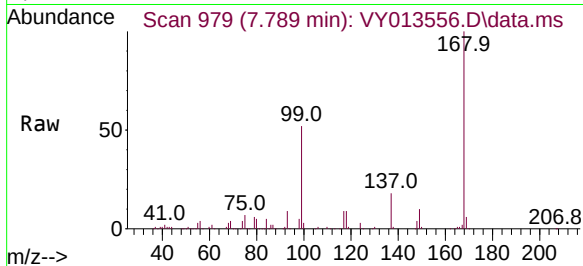




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013556.D  
Acq: 02 May 2023 15:00

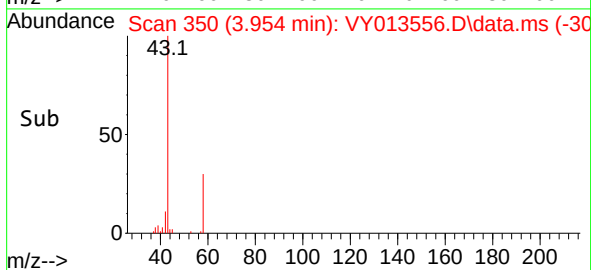
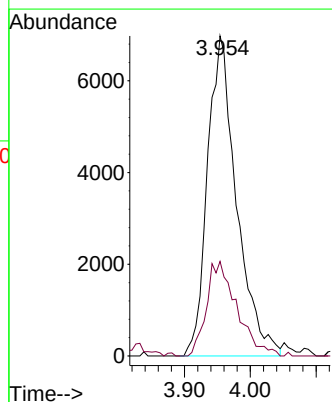
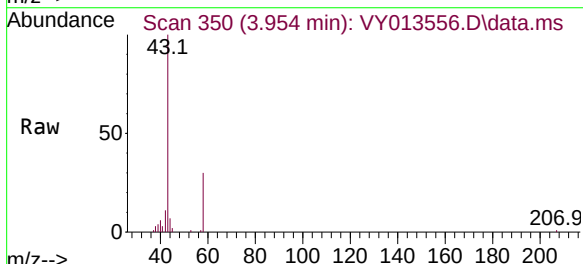
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-21-SB02

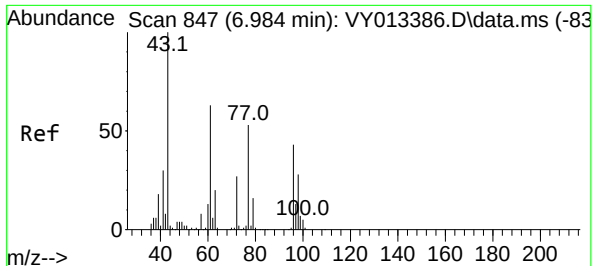
Tgt Ion:168 Resp: 143643  
Ion Ratio Lower Upper  
168 100  
99 51.9 41.8 62.6



#16  
Acetone  
Concen: 34.566 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.006 min  
Lab File: VY013556.D  
Acq: 02 May 2023 15:00

Tgt Ion: 43 Resp: 21435  
Ion Ratio Lower Upper  
43 100  
58 29.5 25.4 38.0





#25

2-Butanone

Concen: 6.467 ug/l

RT: 6.996 min Scan# 84

Delta R.T. 0.012 min

Lab File: VY013556.D

Acq: 02 May 2023 15:00

Instrument :

MSVOA\_Y

ClientSampleId :

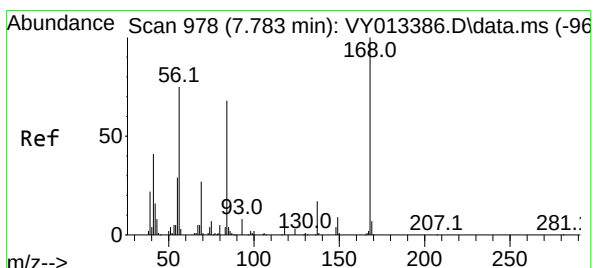
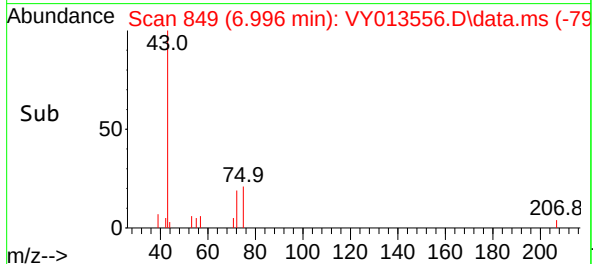
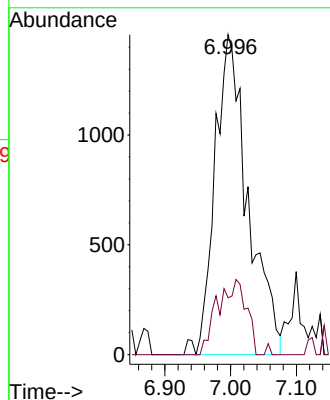
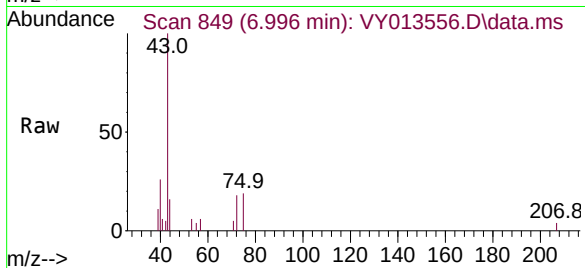
B-21-SB02

Tgt Ion: 43 Resp: 5086

Ion Ratio Lower Upper

43 100

72 17.8 21.9 32.9#



#31

Cyclohexane

Concen: 2.180 ug/l

RT: 7.782 min Scan# 978

Delta R.T. -0.001 min

Lab File: VY013556.D

Acq: 02 May 2023 15:00

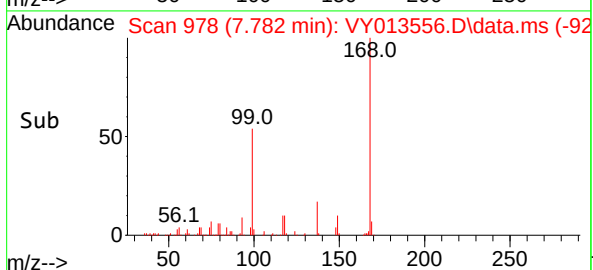
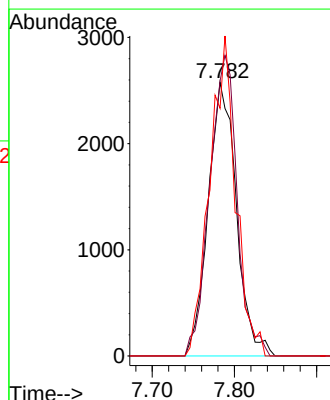
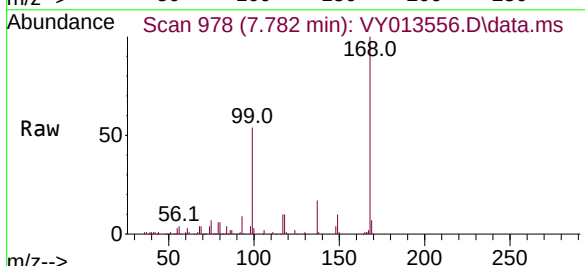
Tgt Ion: 56 Resp: 6147

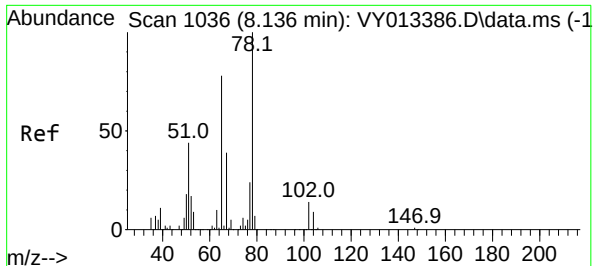
Ion Ratio Lower Upper

56 100

69 100.5 29.2 43.8#

84 90.5 73.0 109.6





#33

1,2-Dichloroethane-d4

Concen: 48.868 ug/l

RT: 8.142 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VY013556.D

Acq: 02 May 2023 15:00

Instrument :

MSVOA\_Y

ClientSampleId :

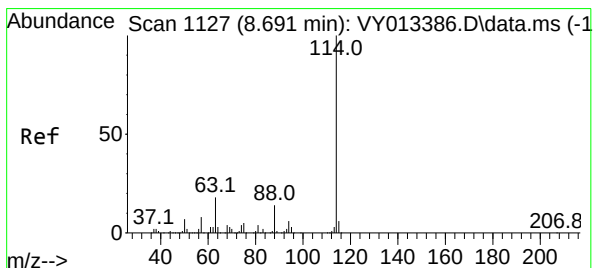
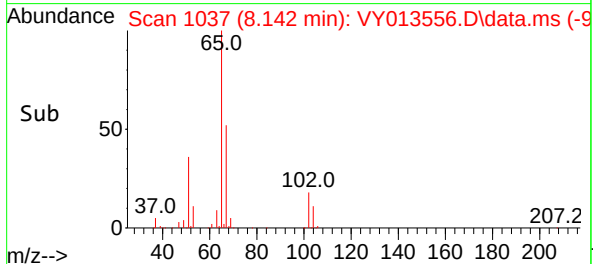
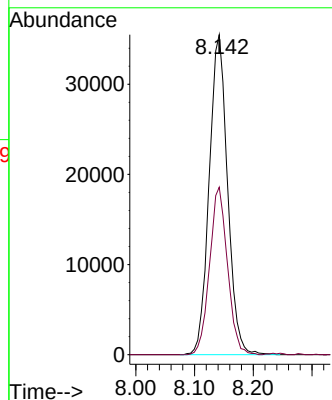
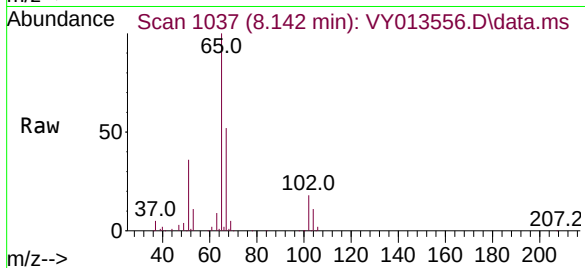
B-21-SB02

Tgt Ion: 65 Resp: 76949

Ion Ratio Lower Upper

65 100

67 51.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY013556.D

Acq: 02 May 2023 15:00

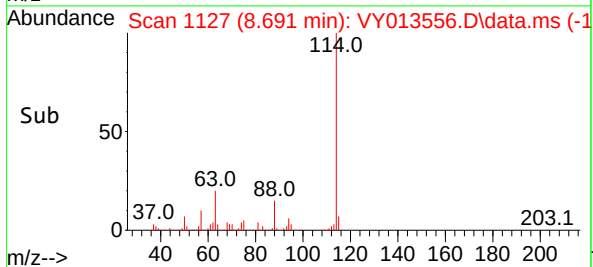
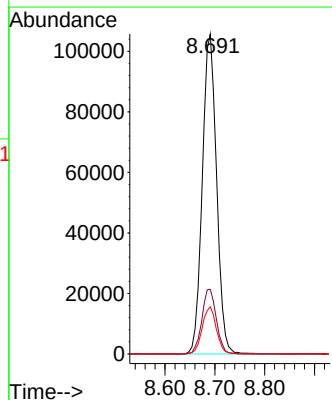
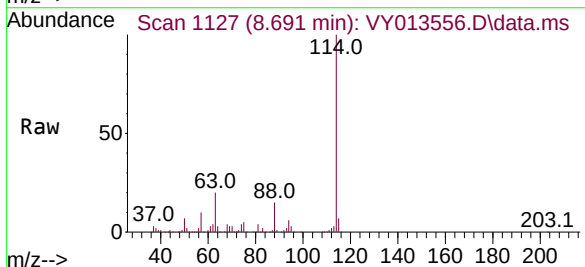
Tgt Ion: 114 Resp: 209643

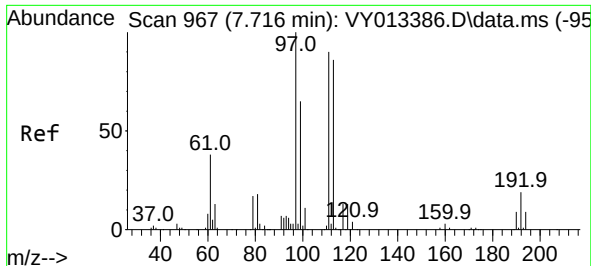
Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.6

88 14.8 0.0 28.8

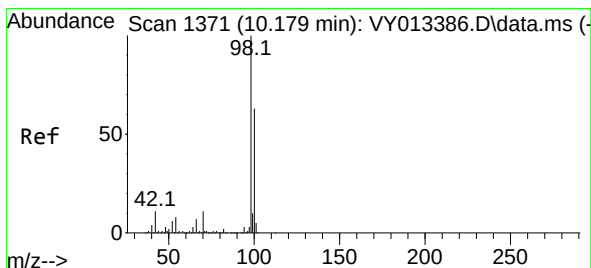
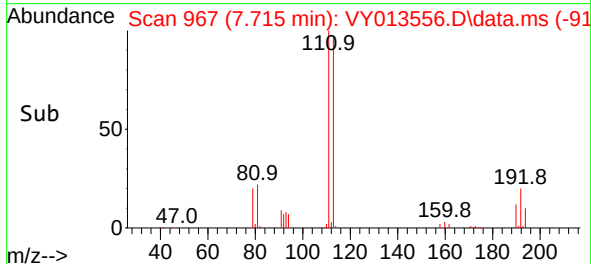
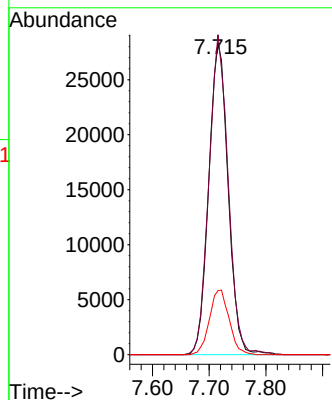
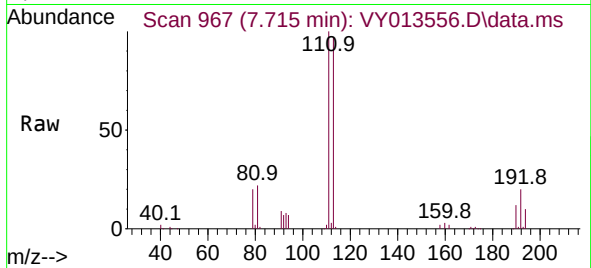




#35  
Dibromofluoromethane  
Concen: 51.094 ug/l  
RT: 7.715 min Scan# 90  
Delta R.T. -0.001 min  
Lab File: VY013556.D  
Acq: 02 May 2023 15:00

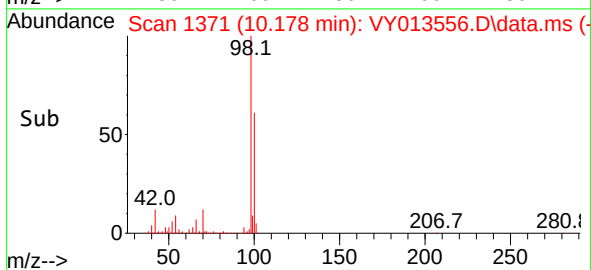
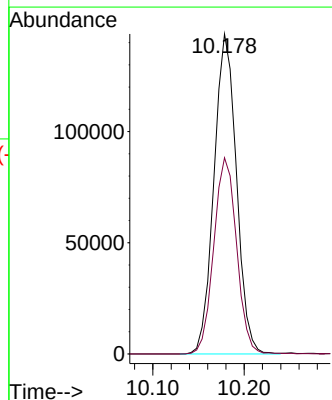
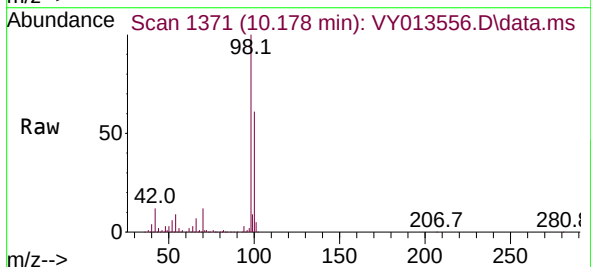
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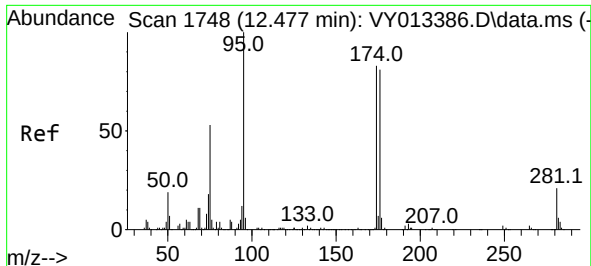
Tgt Ion:113 Resp: 67370  
Ion Ratio Lower Upper  
113 100  
111 101.9 82.2 123.2  
192 21.1 16.7 25.1



#50  
Toluene-d8  
Concen: 52.416 ug/l  
RT: 10.178 min Scan# 1371  
Delta R.T. -0.001 min  
Lab File: VY013556.D  
Acq: 02 May 2023 15:00

Tgt Ion: 98 Resp: 245865  
Ion Ratio Lower Upper  
98 100  
100 62.3 50.5 75.7

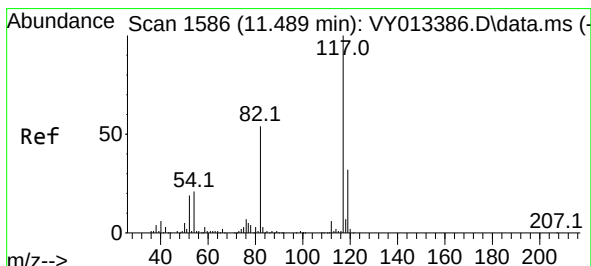
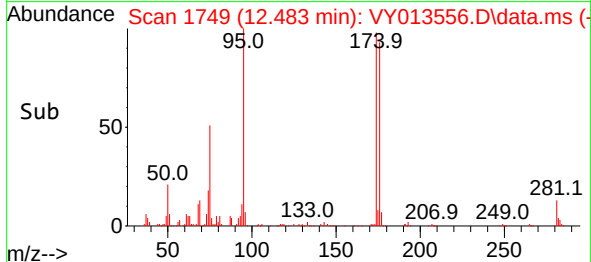
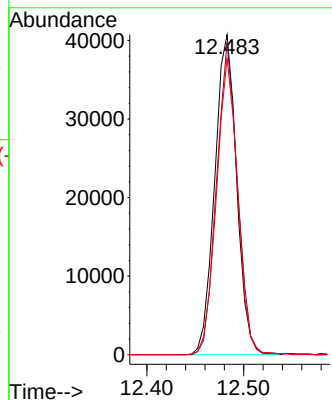
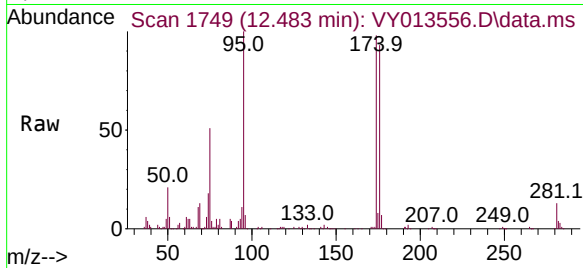




#62  
4-Bromofluorobenzene  
Concen: 40.509 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY013556.D  
Acq: 02 May 2023 15:00

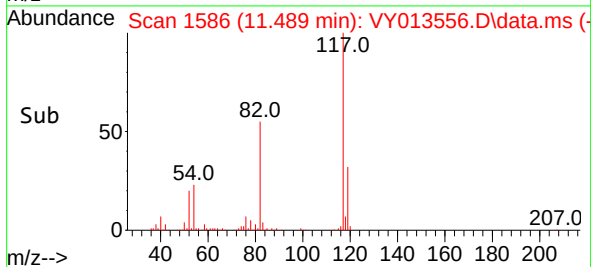
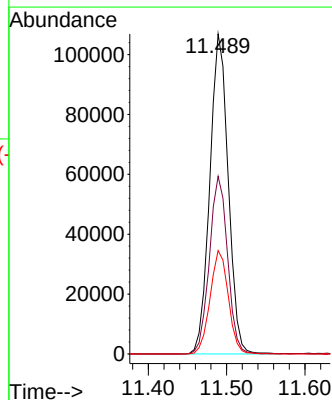
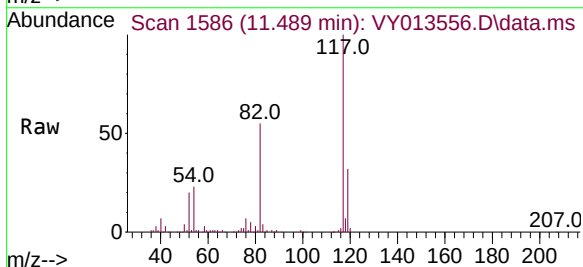
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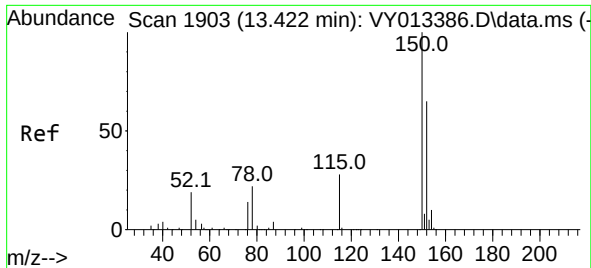
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 64058 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 93.3  | 0.0   | 182.0 |
| 176      | 89.8  | 0.0   | 175.4 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY013556.D  
Acq: 02 May 2023 15:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 174231 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 55.5  | 43.0  | 64.6   |
| 119      | 32.3  | 25.5  | 38.3   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY013556.D

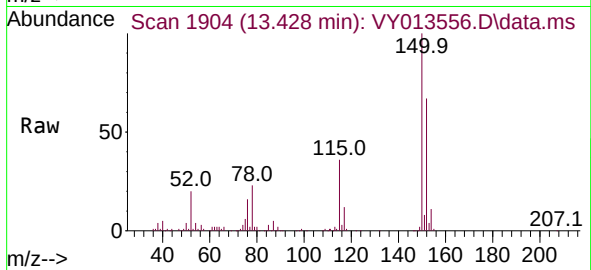
Acq: 02 May 2023 15:00

Instrument :

MSVOA\_Y

ClientSampleId :

B-21-SB02



Tgt Ion:152 Resp: 72281

Ion Ratio Lower Upper

152 100

115 55.3 28.1 84.2

150 154.0 0.0 352.0

