

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031225\  
 Data File : VY021510.D  
 Acq On : 12 Mar 2025 15:33  
 Operator : SY/MD  
 Sample : Q1545-02  
 Misc : 5.05g/5.4mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BU-02-031125

Quant Time: Mar 13 01:37:52 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 05 12:42:45 2025  
 Response via : Initial Calibration

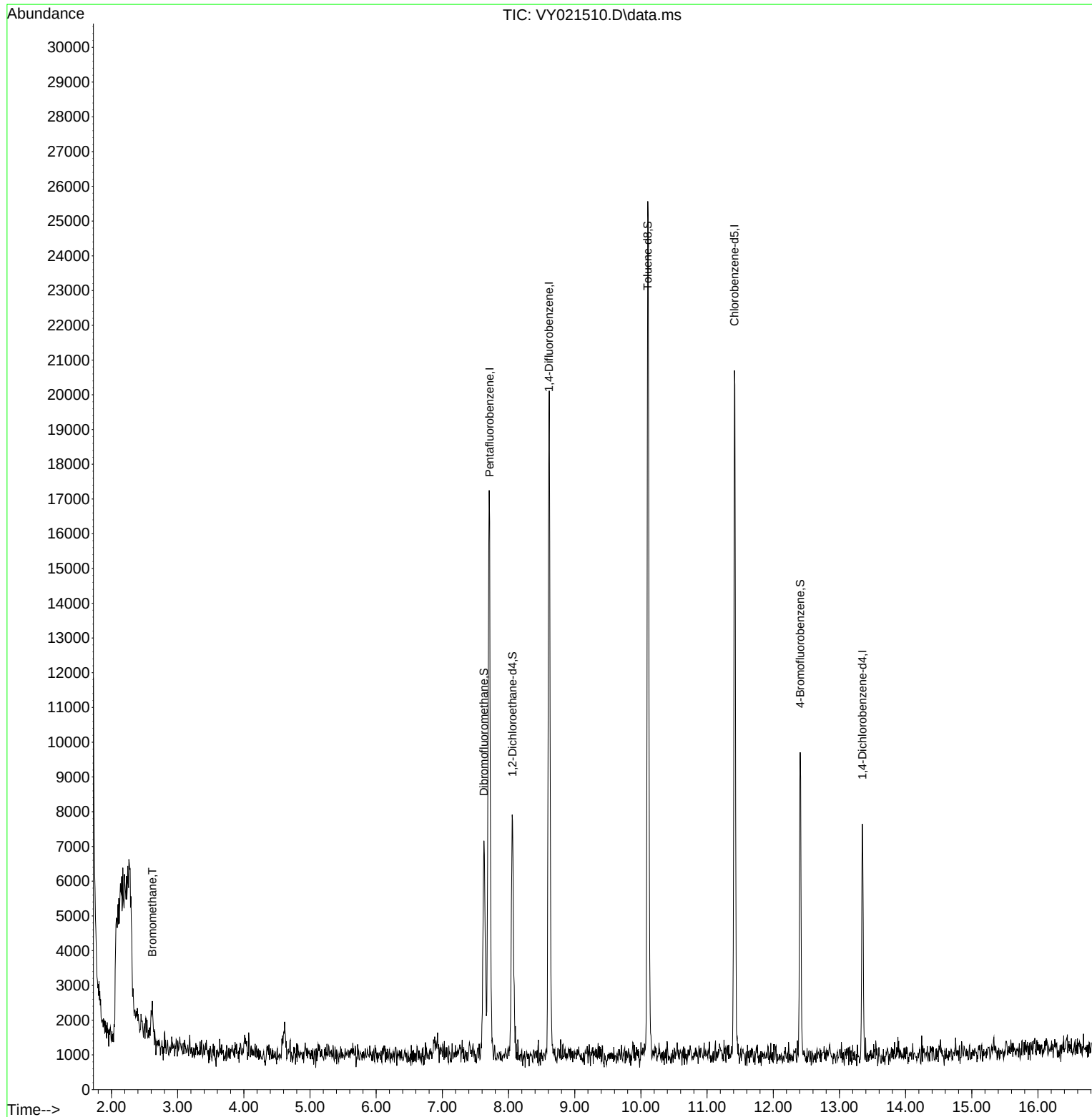
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.713  | 168   | 11844    | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.610  | 114   | 15056    | 50.000   | ug/l  | -0.01     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 10388    | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.347 | 152   | 1799     | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 5390     | 43.057   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 86.120%   |
| 35) Dibromofluoromethane    | 7.628  | 113   | 4677     | 47.259   | ug/l  | -0.01     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 94.520%   |
| 50) Toluene-d8              | 10.103 | 98    | 16008    | 42.721   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 85.440%   |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 2598     | 20.382   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 40.760%   |
| Target Compounds            |        |       |          |          |       |           |
| 5) Bromomethane             | 2.617  | 94    | 570      | 4.710    | ug/l  | Qvalue 90 |
| -----                       |        |       |          |          |       |           |

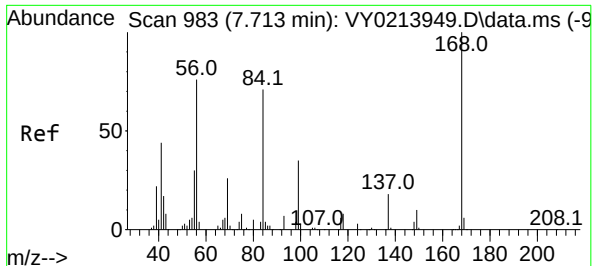
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
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BU-02-031125

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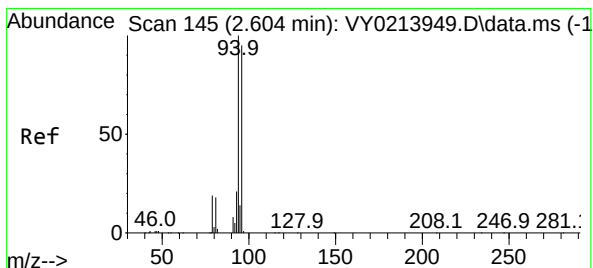
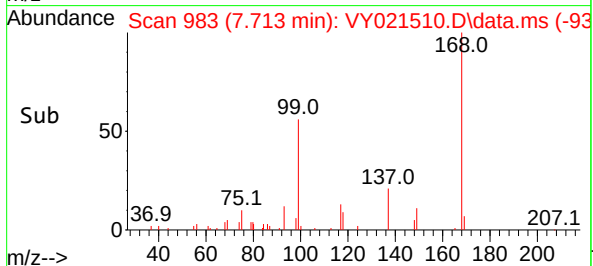
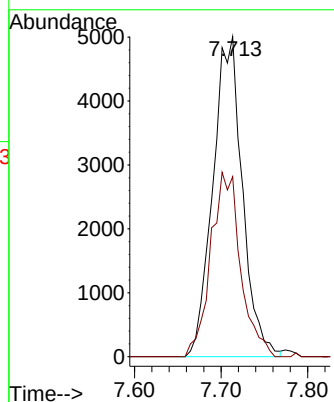
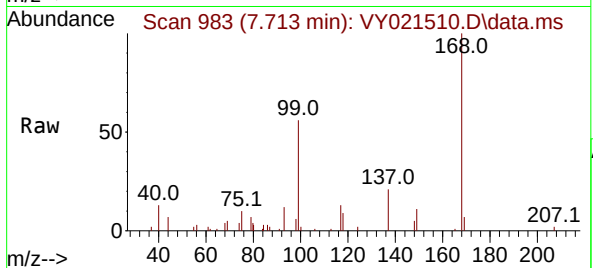




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY021510.D  
Acq: 12 Mar 2025 15:33

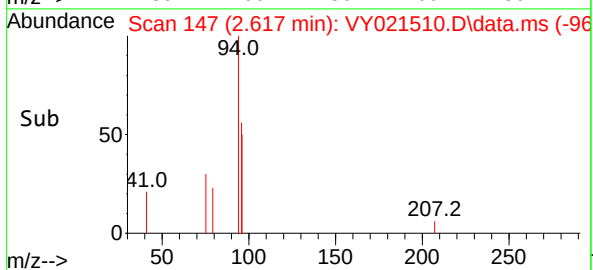
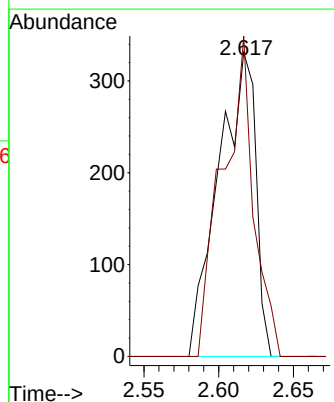
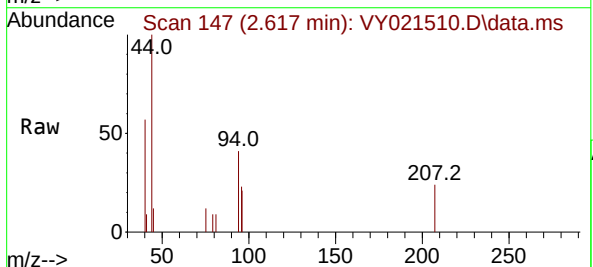
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BU-02-031125

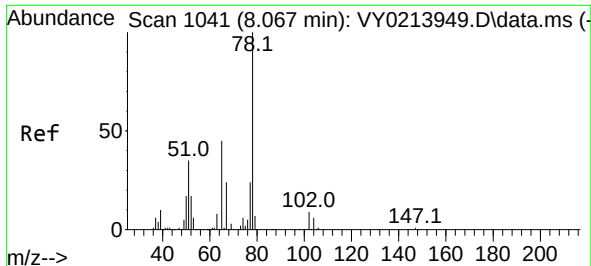
Tgt Ion:168 Resp: 11844  
Ion Ratio Lower Upper  
168 100  
99 56.3 46.0 69.0



#5  
Bromomethane  
Concen: 4.710 ug/l  
RT: 2.617 min Scan# 147  
Delta R.T. 0.013 min  
Lab File: VY021510.D  
Acq: 12 Mar 2025 15:33

Tgt Ion: 94 Resp: 570  
Ion Ratio Lower Upper  
94 100  
96 105.4 76.3 114.5





#33

1,2-Dichloroethane-d4

Concen: 43.057 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021510.D

Acq: 12 Mar 2025 15:33

Instrument :

MSVOA\_Y

ClientSampleId :

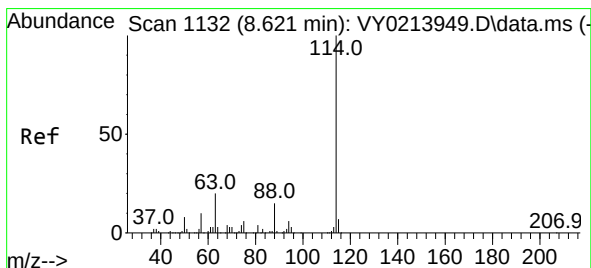
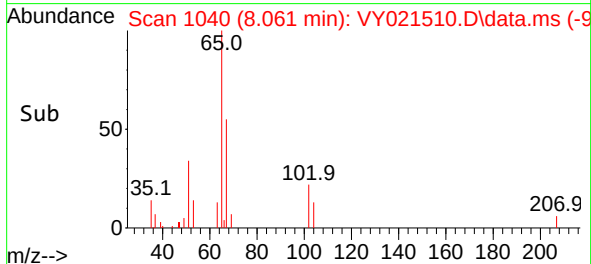
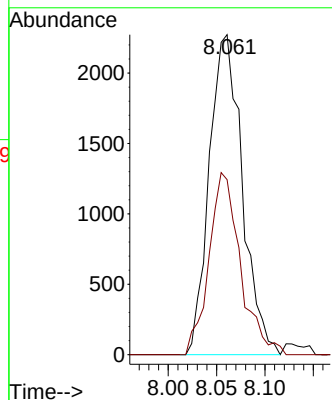
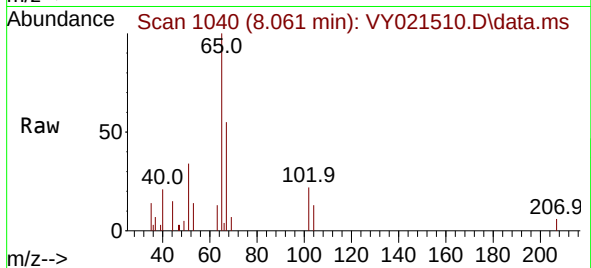
BU-02-031125

Tgt Ion: 65 Resp: 5390

Ion Ratio Lower Upper

65 100

67 54.3 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.012 min

Lab File: VY021510.D

Acq: 12 Mar 2025 15:33

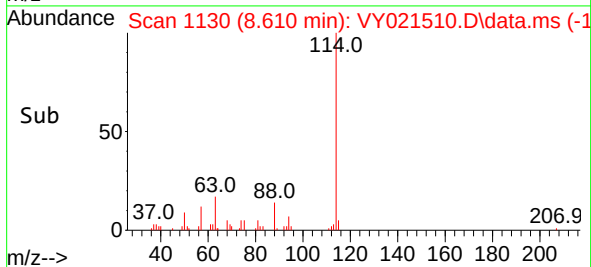
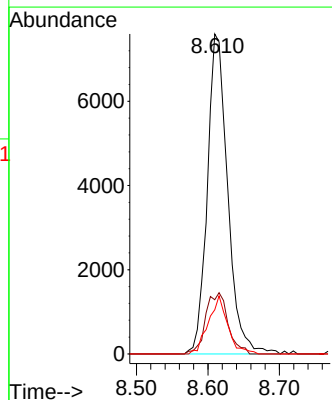
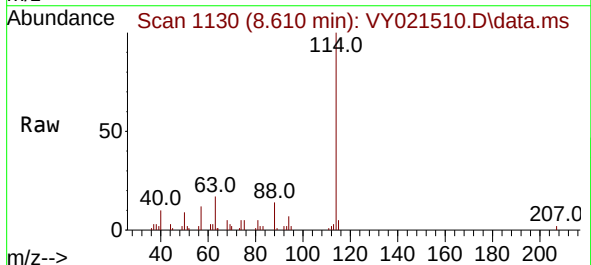
Tgt Ion: 114 Resp: 15056

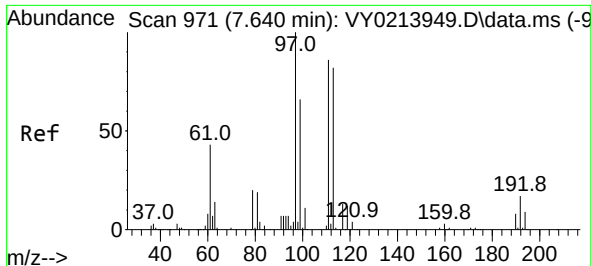
Ion Ratio Lower Upper

114 100

63 17.0 0.0 40.8

88 13.8 0.0 30.8





#35

Dibromofluoromethane

Concen: 47.259 ug/l

RT: 7.628 min Scan# 9

Delta R.T. -0.012 min

Lab File: VY021510.D

Acq: 12 Mar 2025 15:33

Instrument :

MSVOA\_Y

ClientSampleId :

BU-02-031125

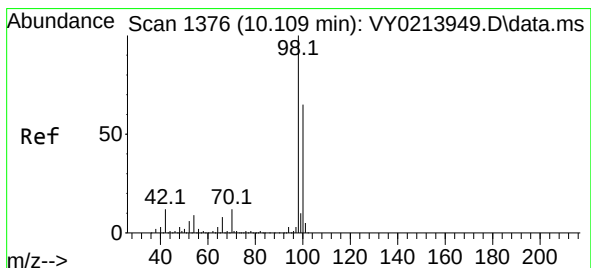
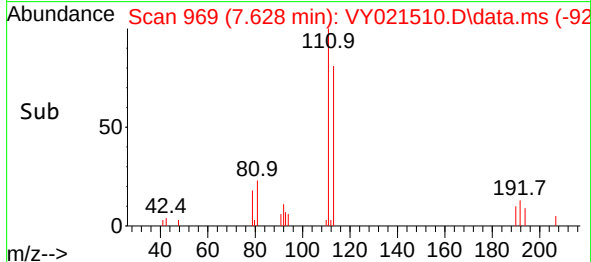
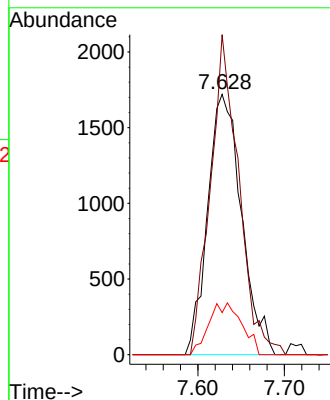
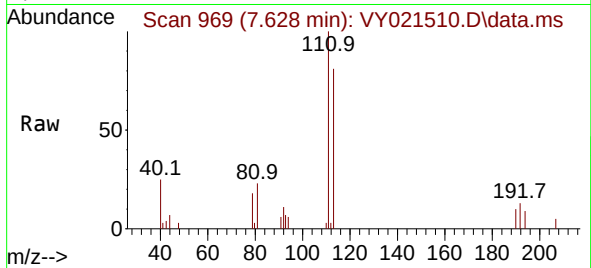
Tgt Ion:113 Resp: 4677

Ion Ratio Lower Upper

113 100

111 103.0 82.0 123.0

192 19.4 15.9 23.9



#50

Toluene-d8

Concen: 42.721 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY021510.D

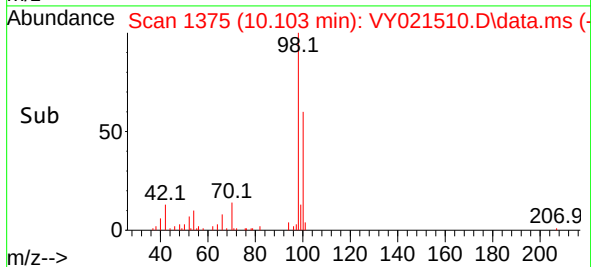
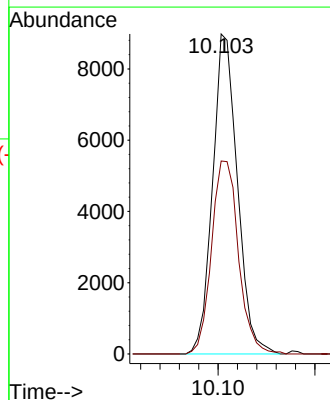
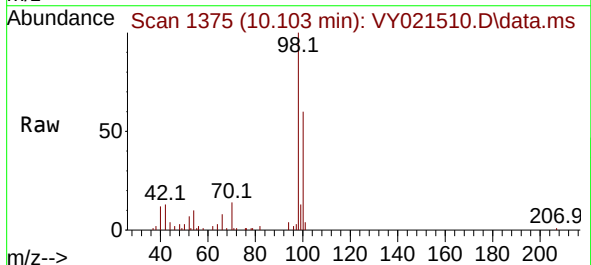
Acq: 12 Mar 2025 15:33

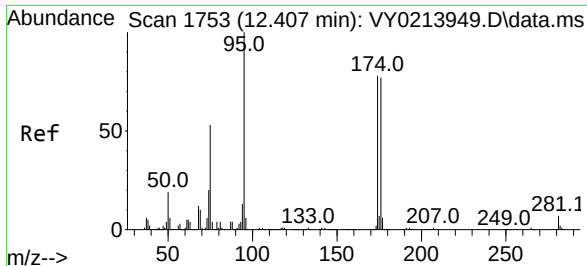
Tgt Ion: 98 Resp: 16008

Ion Ratio Lower Upper

98 100

100 65.4 52.1 78.1

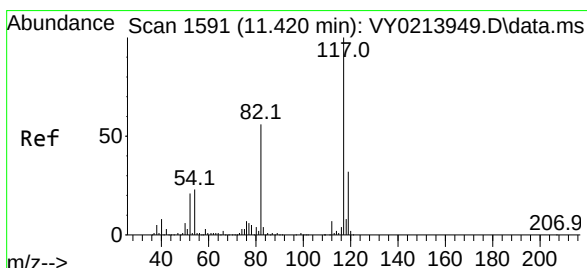
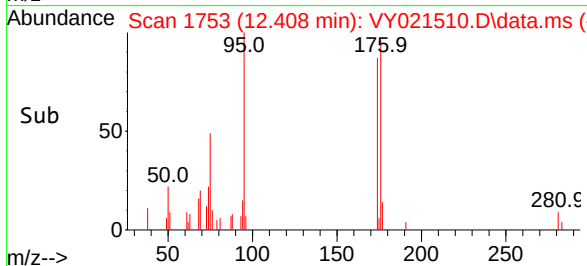
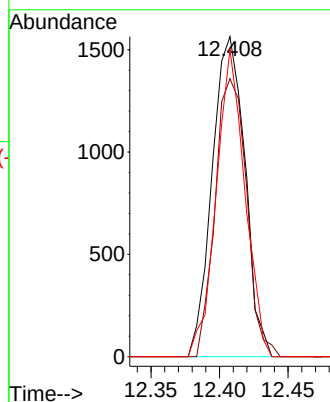
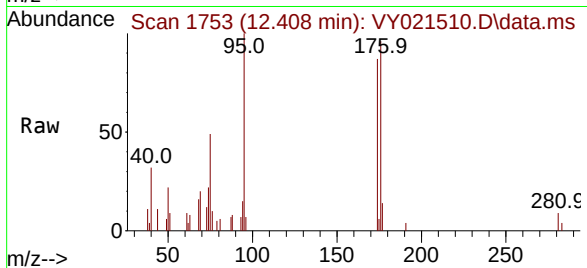




#62  
4-Bromofluorobenzene  
Concen: 20.382 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY021510.D  
Acq: 12 Mar 2025 15:33

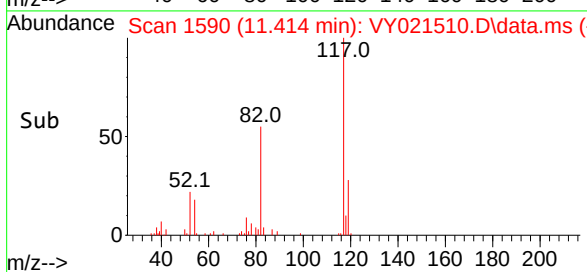
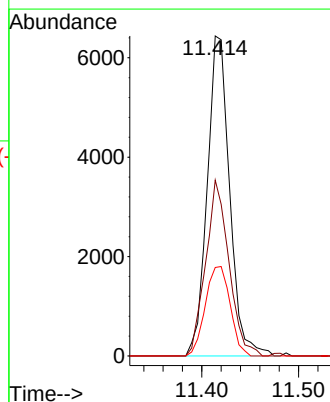
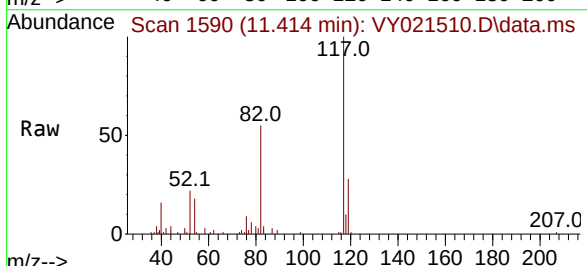
Instrument :  
MSVOA\_Y  
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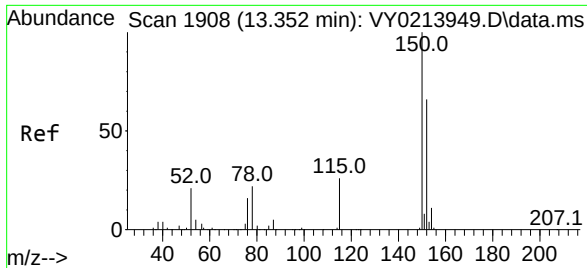
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 2598  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 83.3  | 0.0   | 165.0 |
| 176      | 83.9  | 0.0   | 160.0 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY021510.D  
Acq: 12 Mar 2025 15:33

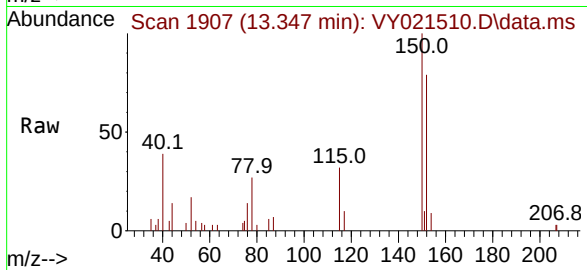
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 10388 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 55.0  | 44.6  | 67.0  |
| 119      | 27.7  | 25.4  | 38.0  |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.347 min Scan# 1907  
 Delta R.T. -0.006 min  
 Lab File: VY021510.D  
 Acq: 12 Mar 2025 15:33

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BU-02-031125



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 1799  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 56.0  | 29.0  | 87.0  |
| 150      | 155.1 | 0.0   | 347.2 |

