

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031325\  
 Data File : VY021521.D  
 Acq On : 13 Mar 2025 13:34  
 Operator : SY/MD  
 Sample : Q1553-01  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RT2321

Quant Time: Mar 14 14:56:08 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      | 7.707  | 168  | 20986    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.610  | 114  | 27808    | 50.000 | ug/l  | -0.01    |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 17230    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 2901     | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 8408     | 37.906   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 75.820% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 8870     | 48.527   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 97.060% |
| 50) Toluene-d8              | 10.103 | 98    | 29161    | 42.135   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 84.260% |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 4680     | 19.879   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 39.760% |

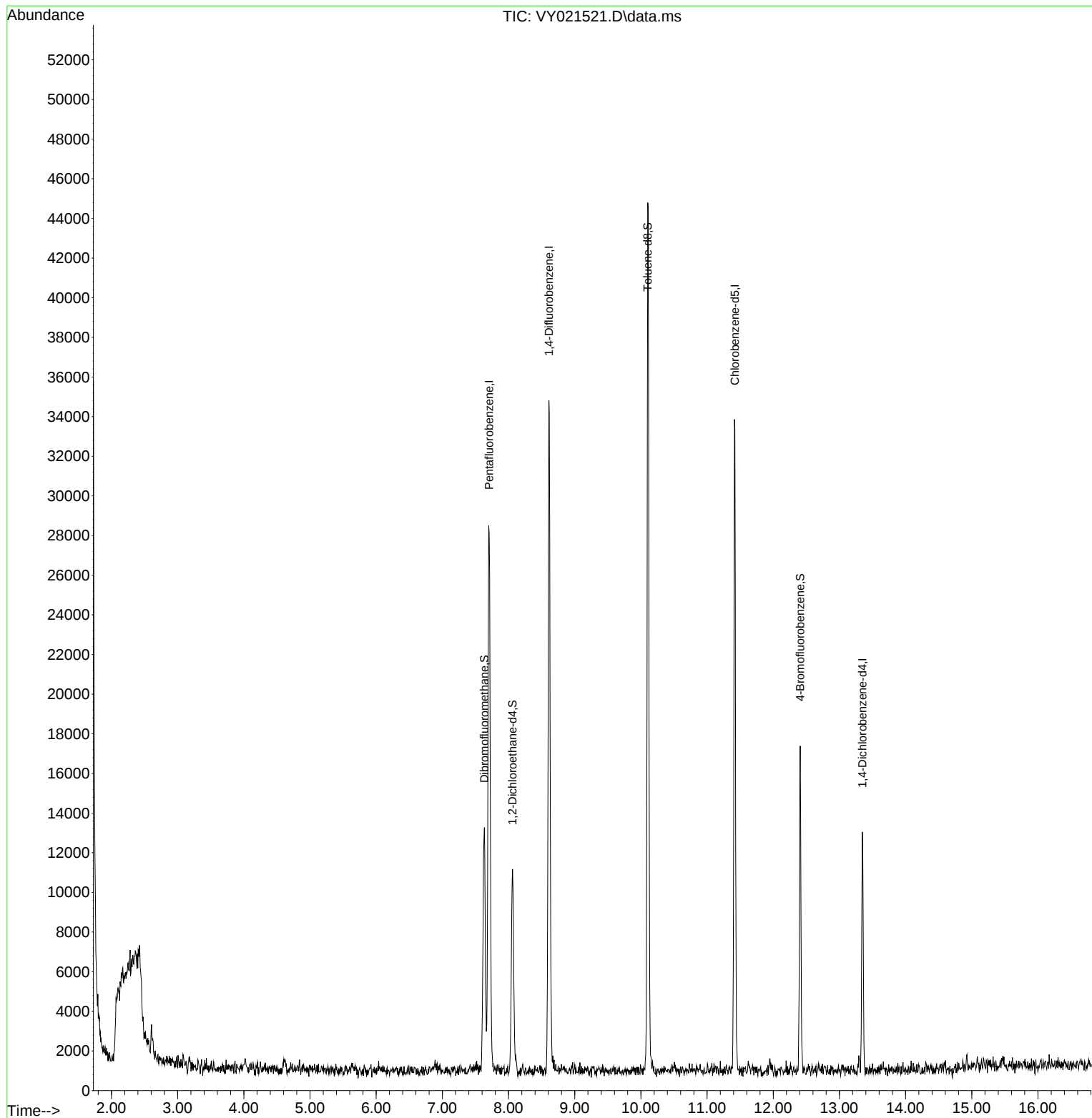
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

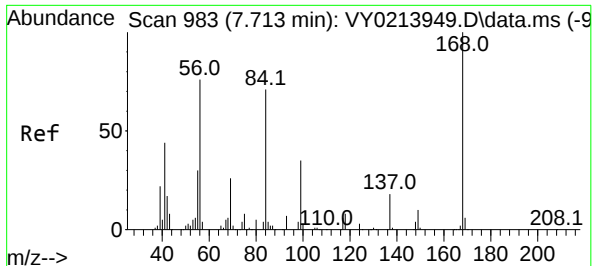
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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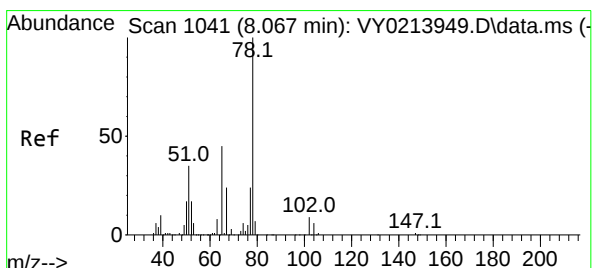
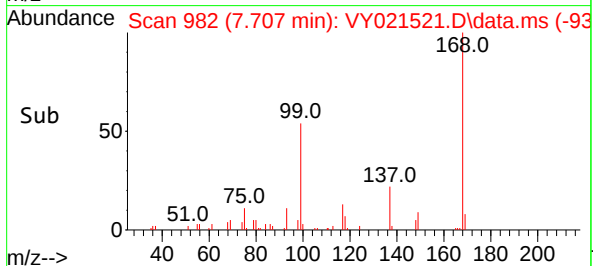
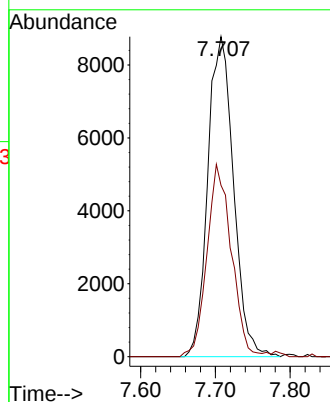
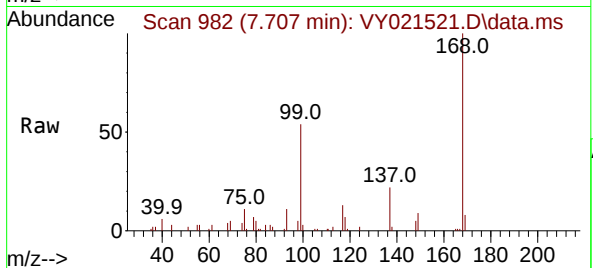




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY021521.D  
Acq: 13 Mar 2025 13:34

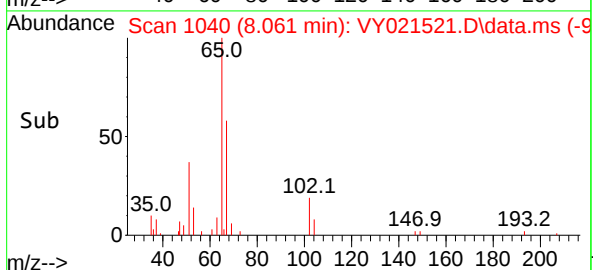
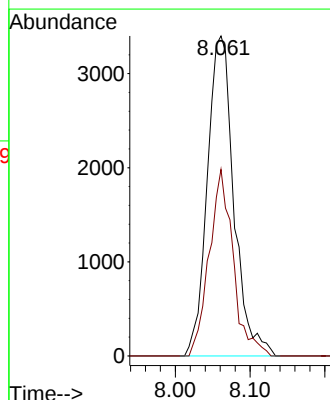
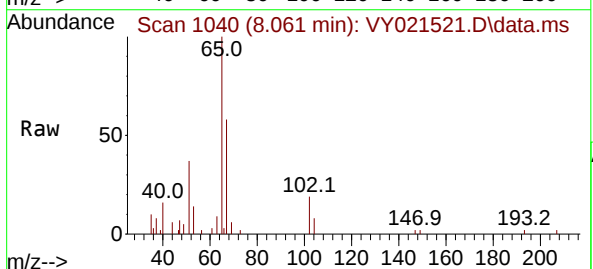
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT2321

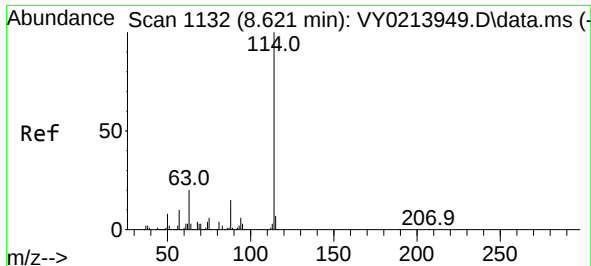
Tgt Ion:168 Resp: 20986  
Ion Ratio Lower Upper  
168 100  
99 53.5 46.0 69.0



#33  
1,2-Dichloroethane-d4  
Concen: 37.906 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.006 min  
Lab File: VY021521.D  
Acq: 13 Mar 2025 13:34

Tgt Ion: 65 Resp: 8408  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1132

Delta R.T. -0.012 min

Lab File: VY021521.D

Acq: 13 Mar 2025 13:34

Instrument :

MSVOA\_Y

ClientSampleId :

RT2321

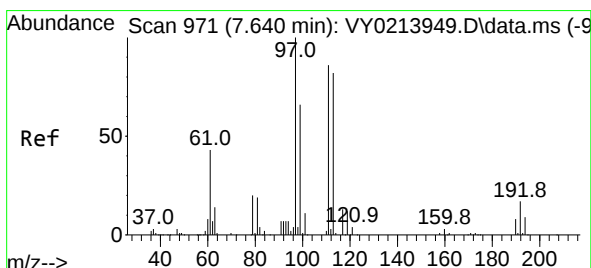
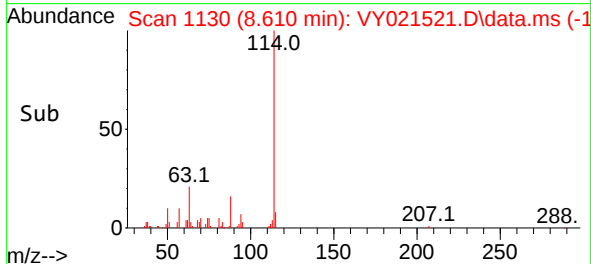
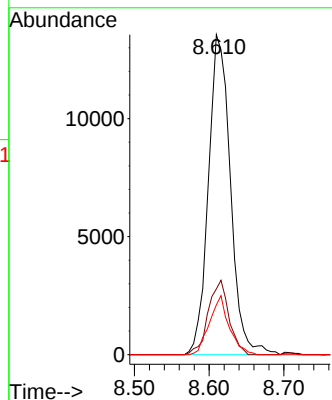
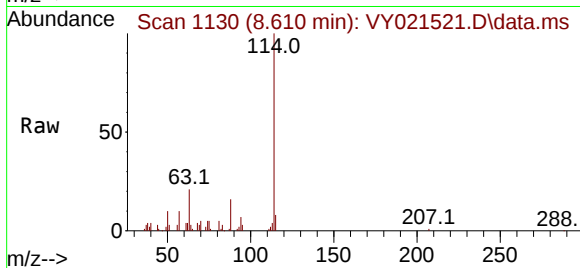
Tgt Ion:114 Resp: 27808

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 15.5 0.0 30.8



#35

Dibromofluoromethane

Concen: 48.527 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021521.D

Acq: 13 Mar 2025 13:34

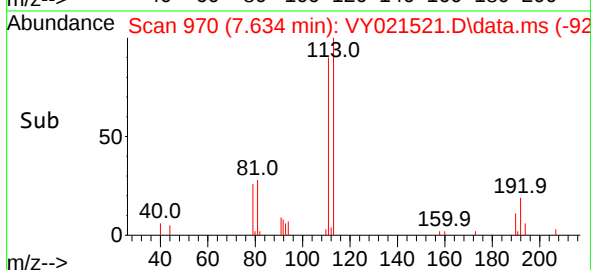
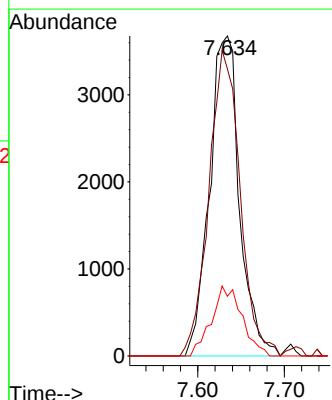
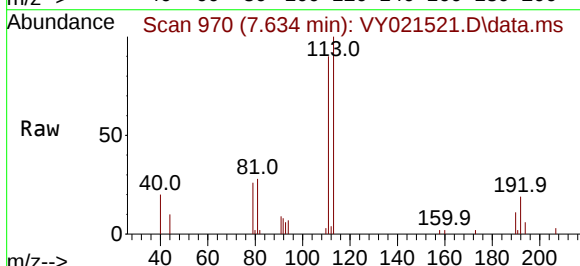
Tgt Ion:113 Resp: 8870

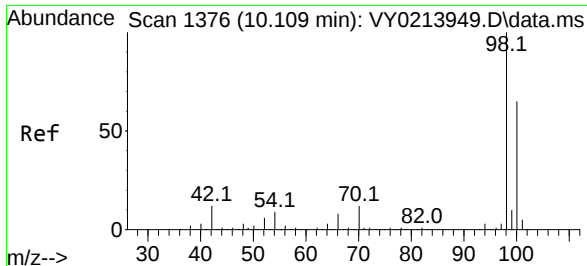
Ion Ratio Lower Upper

113 100

111 99.1 82.0 123.0

192 22.2 15.9 23.9

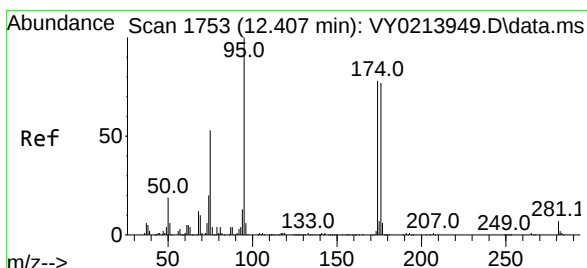
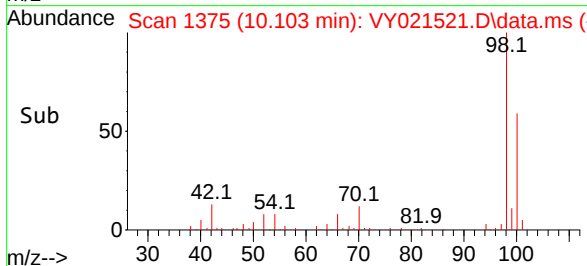
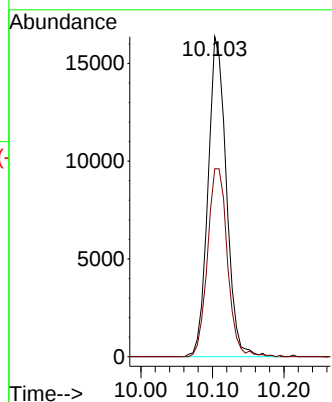
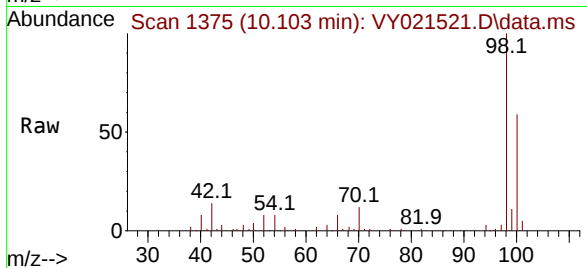




#50  
Toluene-d8  
Concen: 42.135 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY021521.D  
Acq: 13 Mar 2025 13:34

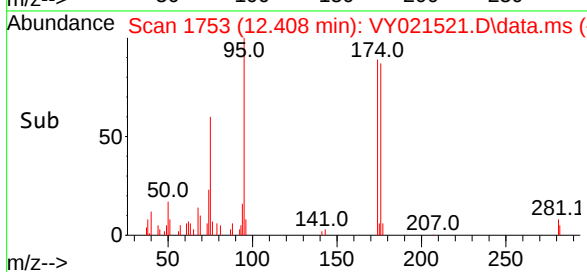
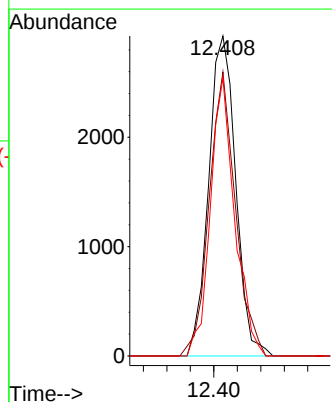
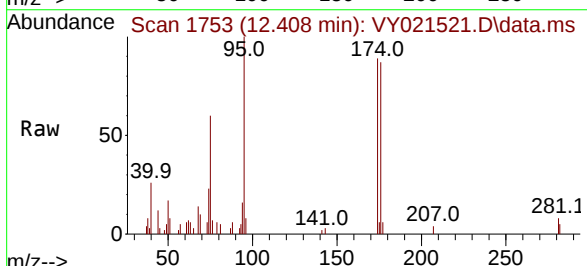
Instrument :  
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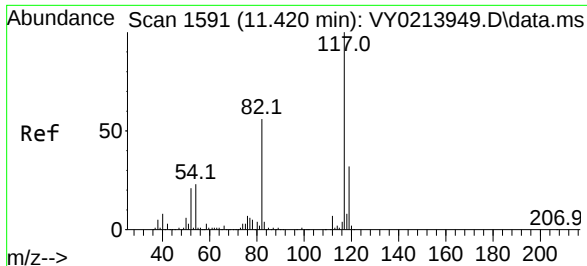
Tgt Ion: 98 Resp: 29161  
Ion Ratio Lower Upper  
98 100  
100 63.8 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 19.879 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY021521.D  
Acq: 13 Mar 2025 13:34

Tgt Ion: 95 Resp: 4680  
Ion Ratio Lower Upper  
95 100  
174 86.3 0.0 165.0  
176 78.4 0.0 160.0

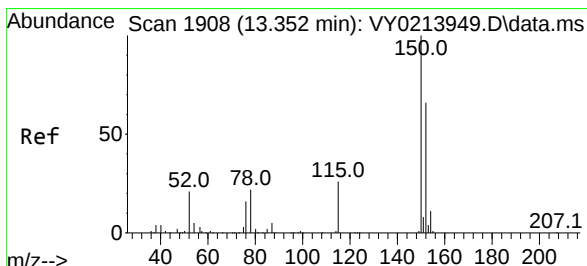
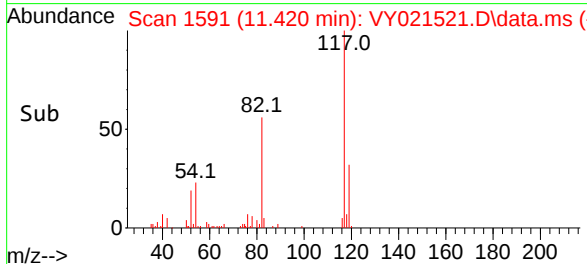
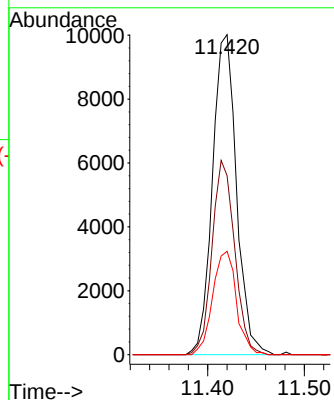
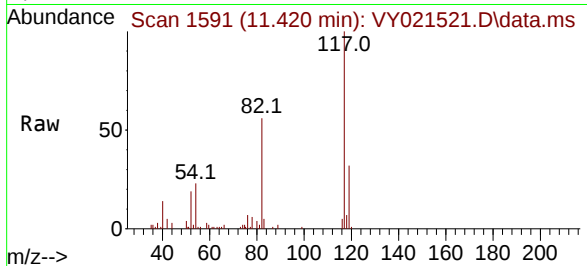




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY021521.D  
Acq: 13 Mar 2025 13:34

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT2321

Tgt Ion:117 Resp: 17230  
Ion Ratio Lower Upper  
117 100  
82 56.0 44.6 67.0  
119 32.3 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: VY021521.D  
Acq: 13 Mar 2025 13:34

Tgt Ion:152 Resp: 2901  
Ion Ratio Lower Upper  
152 100  
115 61.8 29.0 87.0  
150 163.8 0.0 347.2

