

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032825\  
 Data File : VY021695.D  
 Acq On : 28 Mar 2025 16:25  
 Operator : SY/MD  
 Sample : Q1664-01  
 Misc : 4.82g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P001-BBDGA-001-01

Quant Time: Mar 28 23:45:34 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 28 02:30:29 2025  
 Response via : Initial Calibration

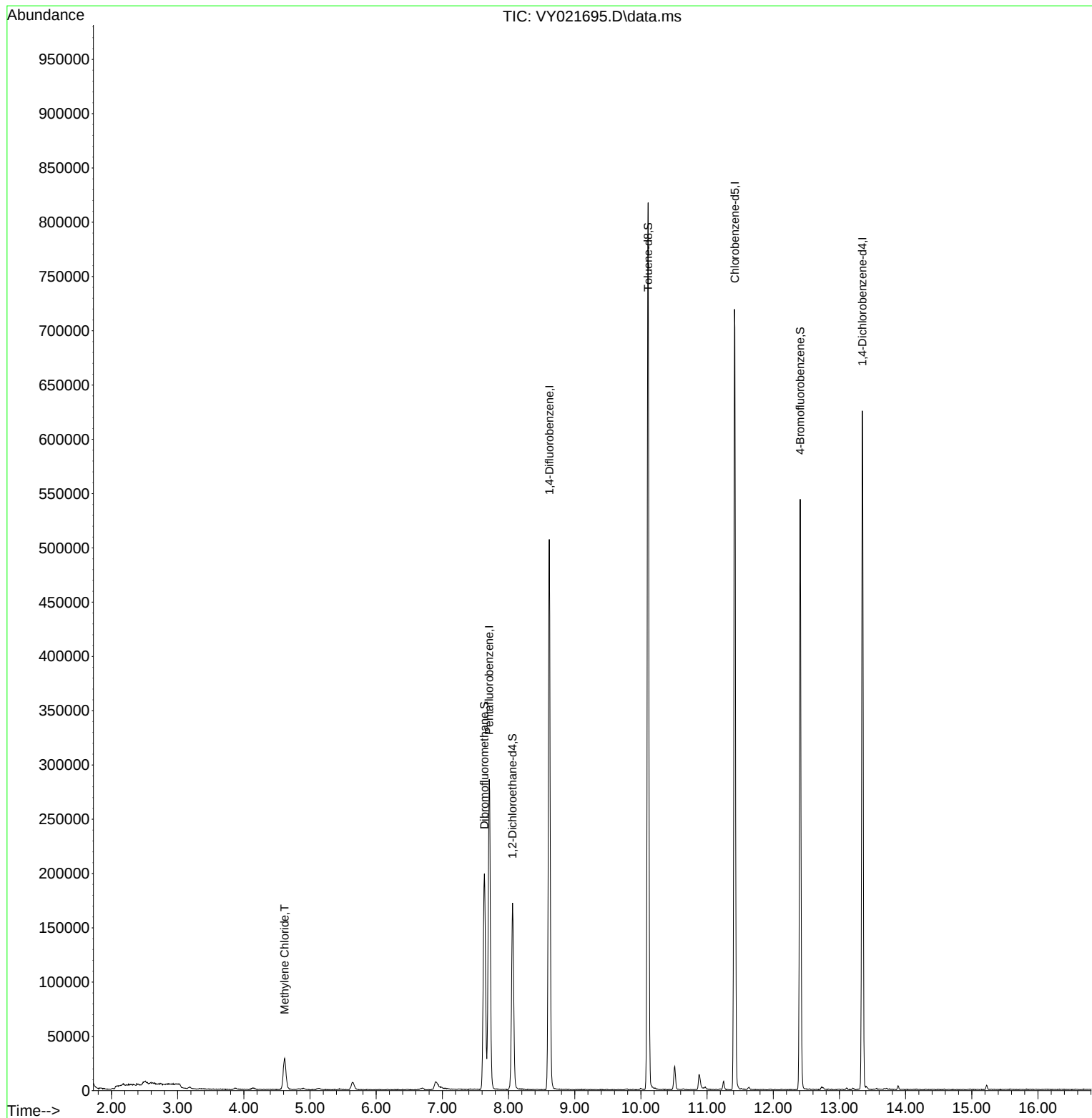
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.707  | 168   | 213615   | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 412226   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.420 | 117   | 380697   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 152172   | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 134261   | 58.010   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 116.020%  |
| 35) Dibromofluoromethane    | 7.634  | 113   | 140882   | 52.685   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 105.380%  |
| 50) Toluene-d8              | 10.109 | 98    | 508493   | 49.985   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 99.980%   |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 156765   | 45.559   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 91.120%   |
| Target Compounds            |        |       |          |          |       |           |
| 20) Methylene Chloride      | 4.616  | 84    | 20200    | 5.254    | ug/l  | Qvalue 93 |
| -----                       |        |       |          |          |       |           |

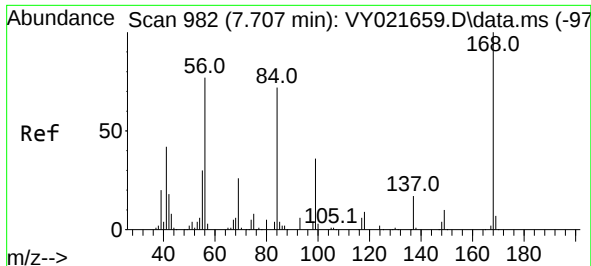
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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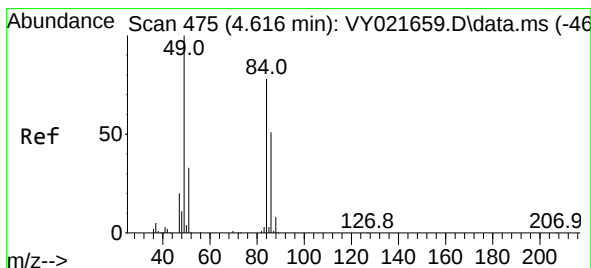
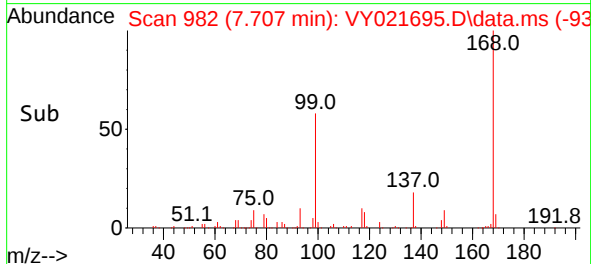
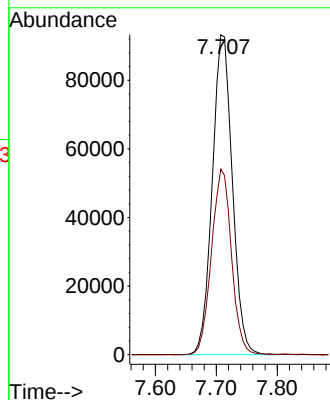
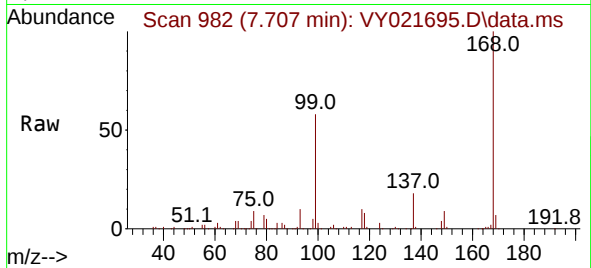




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY021695.D  
Acq: 28 Mar 2025 16:25

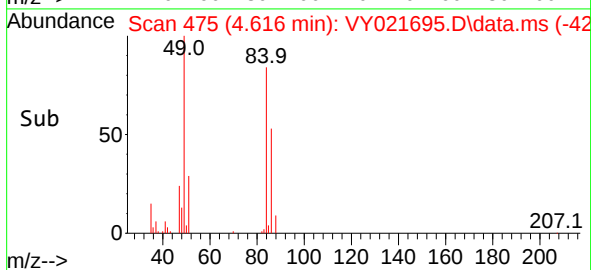
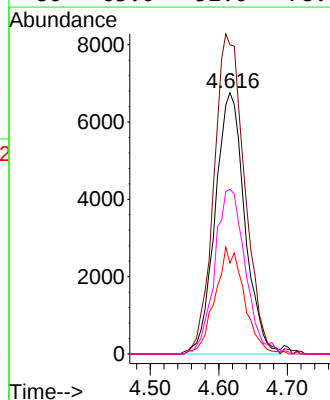
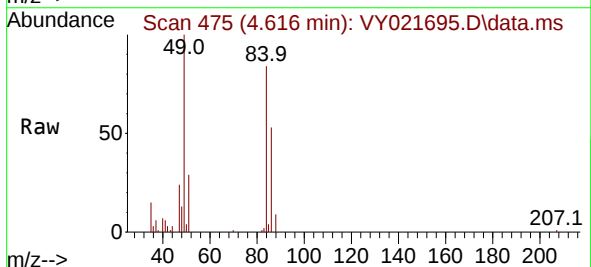
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P001-BBDGA-001-01

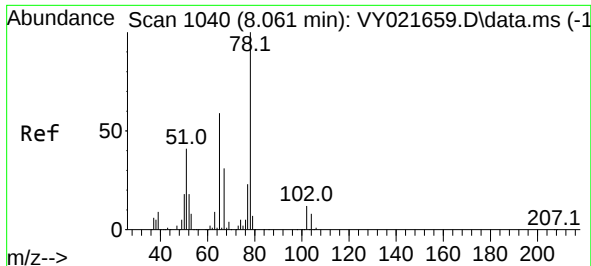
Tgt Ion:168 Resp: 213615  
Ion Ratio Lower Upper  
168 100  
99 58.0 46.7 70.1



#20  
Methylene Chloride  
Concen: 5.254 ug/l  
RT: 4.616 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY021695.D  
Acq: 28 Mar 2025 16:25

Tgt Ion: 84 Resp: 20200  
Ion Ratio Lower Upper  
84 100  
49 118.3 102.8 154.2  
51 34.8 33.5 50.3  
86 63.0 52.0 78.0





#33

1,2-Dichloroethane-d4

Concen: 58.010 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021695.D

Acq: 28 Mar 2025 16:25

Instrument :

MSVOA\_Y

ClientSampleId :

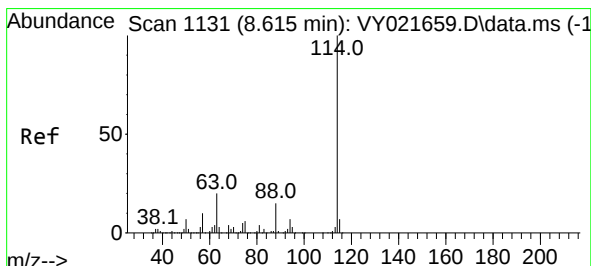
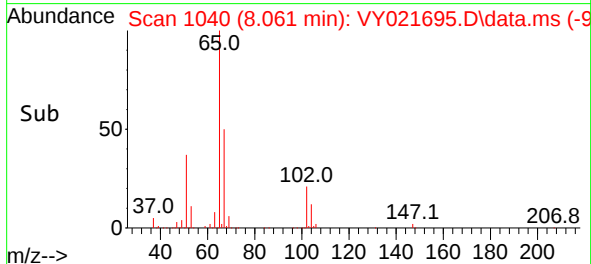
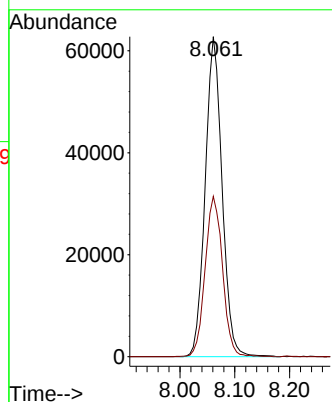
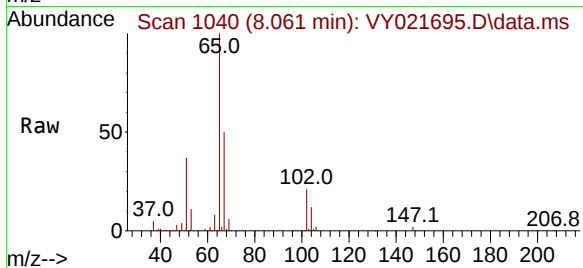
P001-BBDGA-001-01

Tgt Ion: 65 Resp: 134261

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021695.D

Acq: 28 Mar 2025 16:25

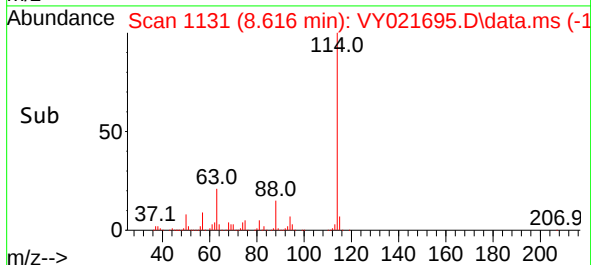
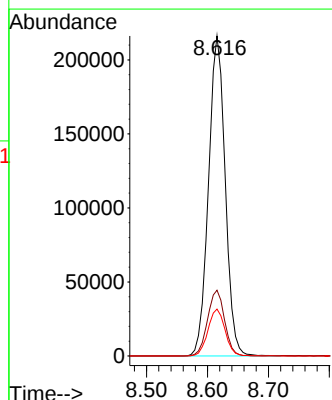
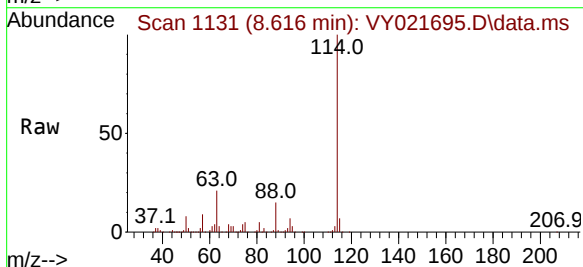
Tgt Ion: 114 Resp: 412226

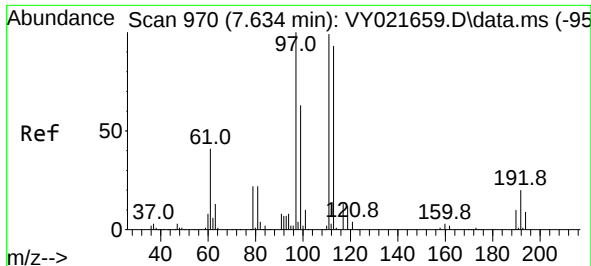
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.2

88 14.7 0.0 29.8

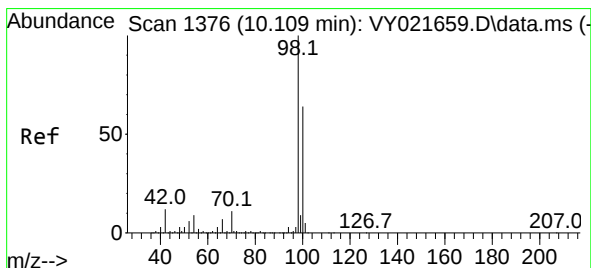
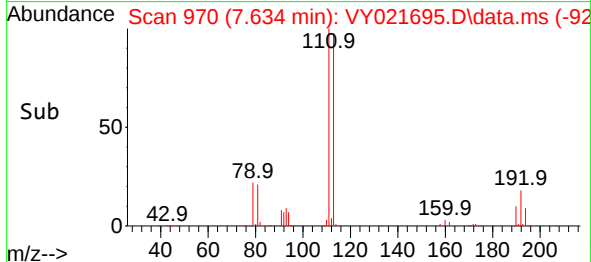
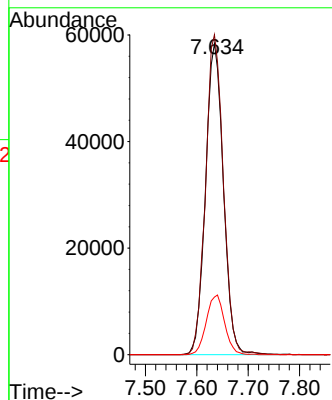
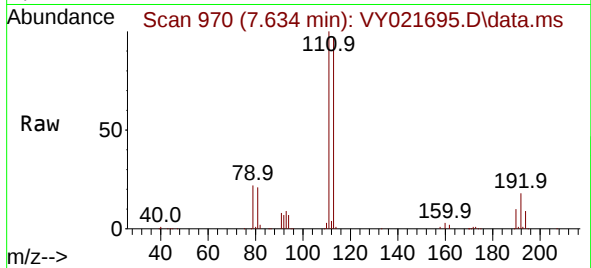




#35  
 Dibromofluoromethane  
 Concen: 52.685 ug/l  
 RT: 7.634 min Scan# 91  
 Delta R.T. 0.000 min  
 Lab File: VY021695.D  
 Acq: 28 Mar 2025 16:25

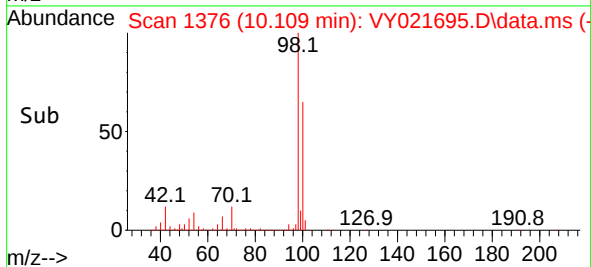
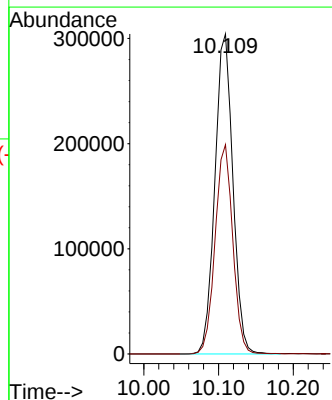
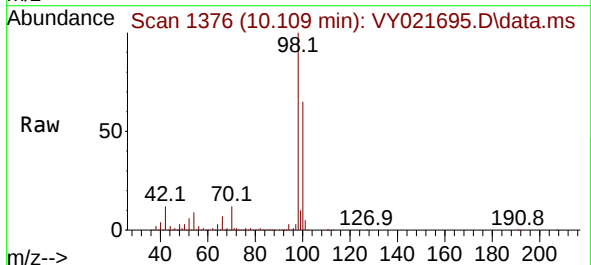
Instrument :  
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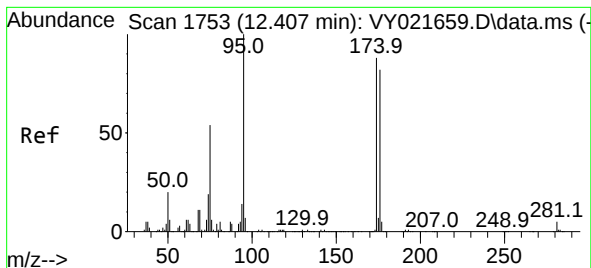
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 140882 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 102.5 | 82.6  | 123.8  |
| 192      | 19.7  | 16.2  | 24.4   |



#50  
 Toluene-d8  
 Concen: 49.985 ug/l  
 RT: 10.109 min Scan# 1376  
 Delta R.T. 0.000 min  
 Lab File: VY021695.D  
 Acq: 28 Mar 2025 16:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 508493 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 64.3  | 52.1  | 78.1   |





#62

4-Bromofluorobenzene

Concen: 45.559 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021695.D

Acq: 28 Mar 2025 16:25

Instrument :

MSVOA\_Y

ClientSampleId :

P001-BBDGA-001-01

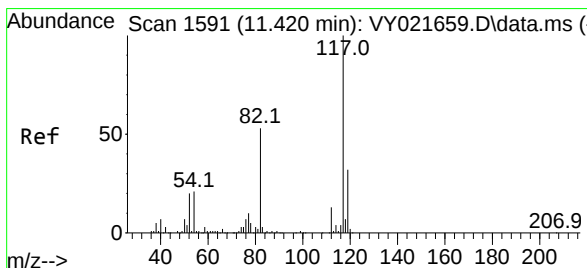
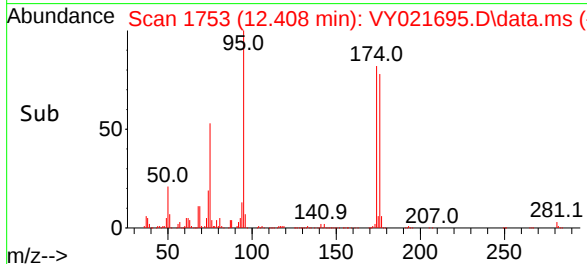
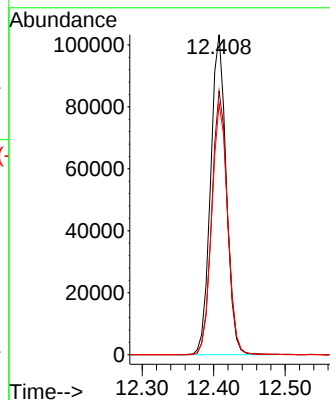
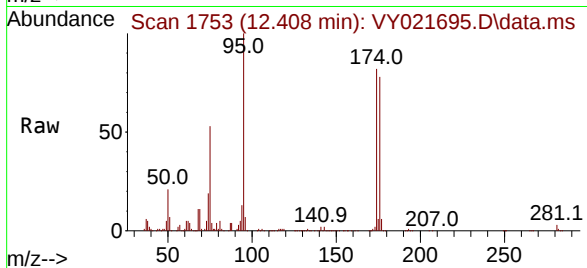
Tgt Ion: 95 Resp: 156765

Ion Ratio Lower Upper

95 100

174 82.6 0.0 170.8

176 79.8 0.0 162.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY021695.D

Acq: 28 Mar 2025 16:25

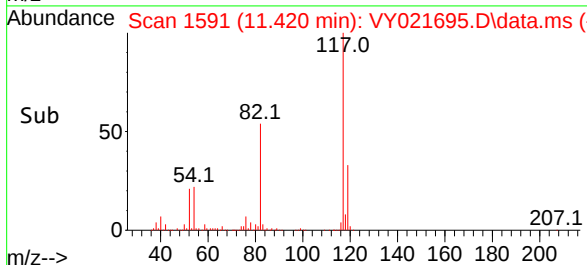
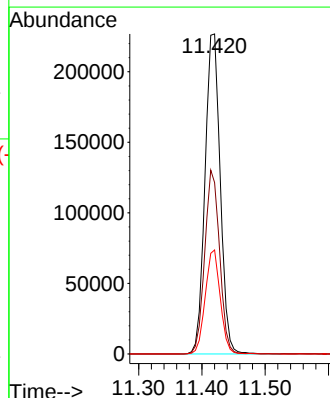
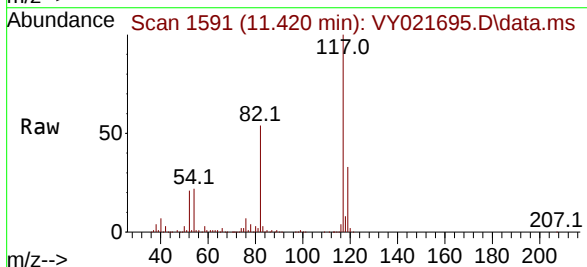
Tgt Ion: 117 Resp: 380697

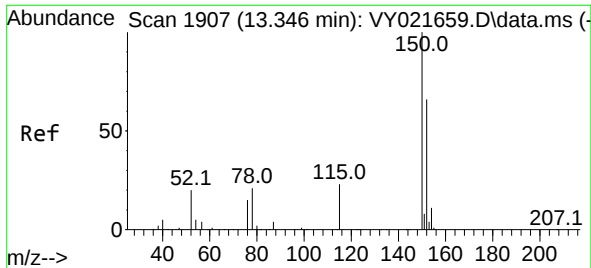
Ion Ratio Lower Upper

117 100

82 53.6 42.8 64.2

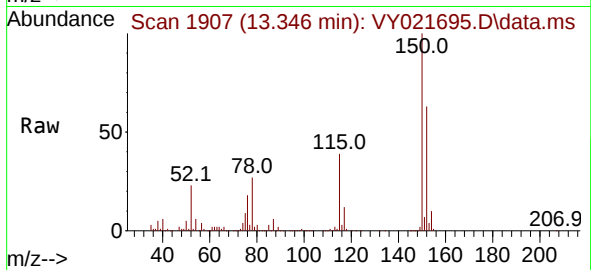
119 32.5 25.7 38.5





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.346 min Scan# 1907  
 Delta R.T. 0.000 min  
 Lab File: VY021695.D  
 Acq: 28 Mar 2025 16:25

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P001-BBDGA-001-01



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 152172 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 58.2  | 28.8  | 86.5   |
| 150       | 157.4 | 0.0   | 348.4  |

