

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022725\  
 Data File : VY021367.D  
 Acq On : 27 Feb 2025 18:42  
 Operator : SY/MD  
 Sample : Q1448-02  
 Misc : 6.87g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P1

Quant Time: Feb 28 00:44:14 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022525S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 26 02:09:13 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 108147   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 190726   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 166640   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 61007    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 70394    | 57.379   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 114.760% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 67607    | 54.068   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 108.140% |
| 50) Toluene-d8              | 10.103 | 98    | 228043   | 47.189   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 94.380%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 66052    | 40.613   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 81.220%  |

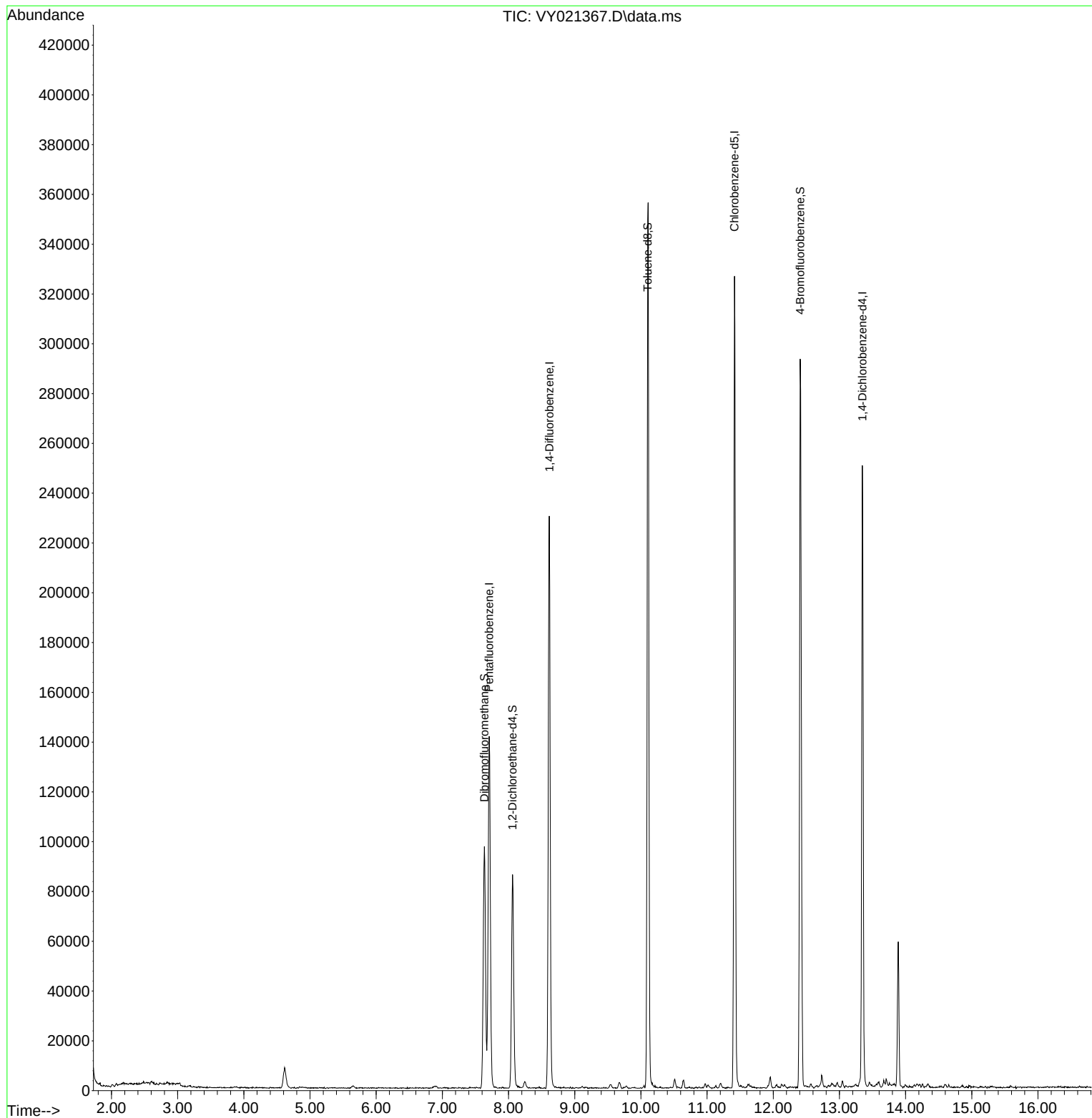
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

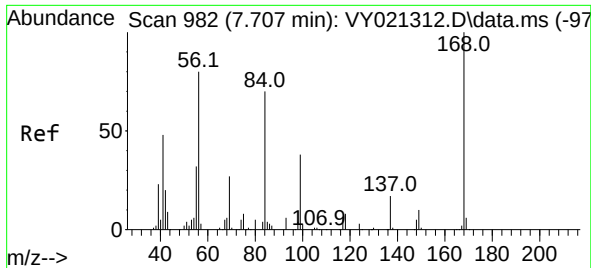
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 26 02:09:13 2025  
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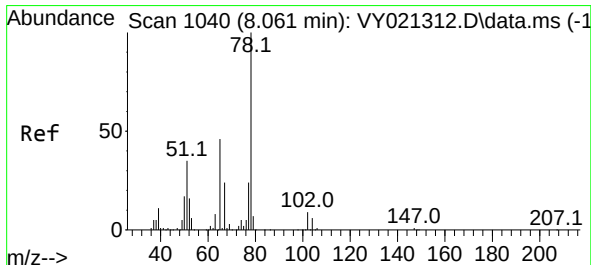
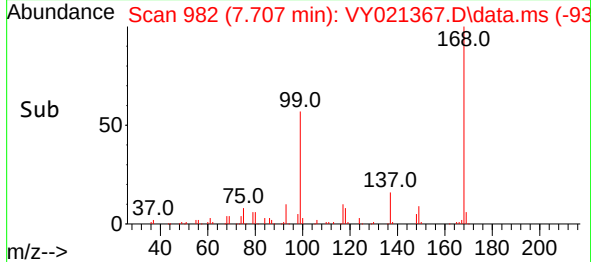
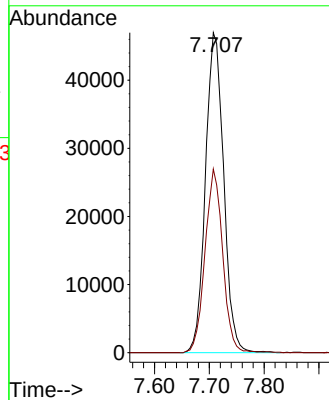
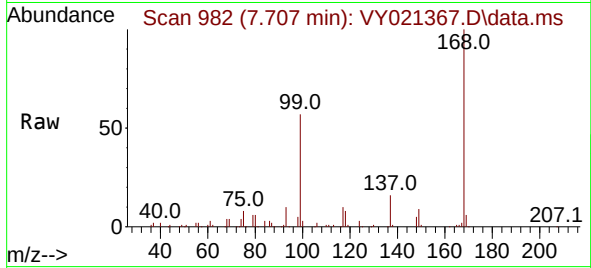




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY021367.D  
Acq: 27 Feb 2025 18:42

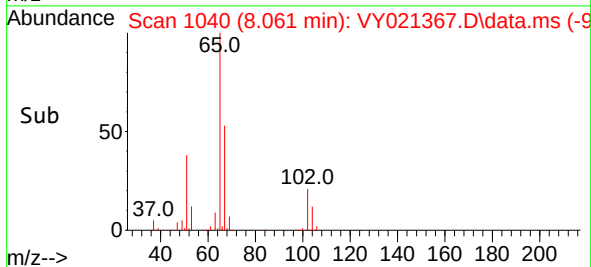
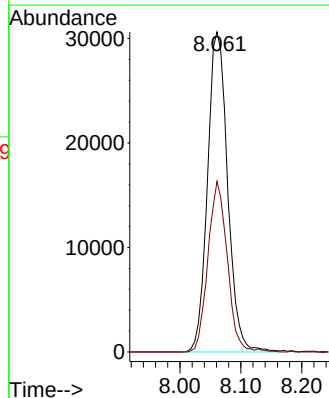
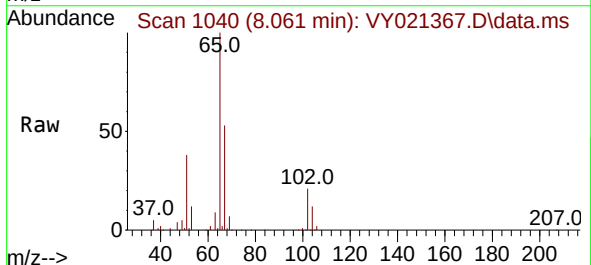
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P1

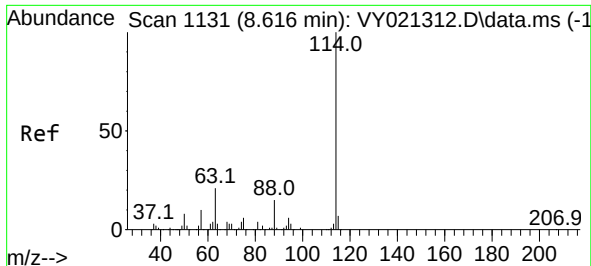
Tgt Ion:168 Resp: 108147  
Ion Ratio Lower Upper  
168 100  
99 57.4 47.1 70.7



#33  
1,2-Dichloroethane-d4  
Concen: 57.379 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY021367.D  
Acq: 27 Feb 2025 18:42

Tgt Ion: 65 Resp: 70394  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 103.6

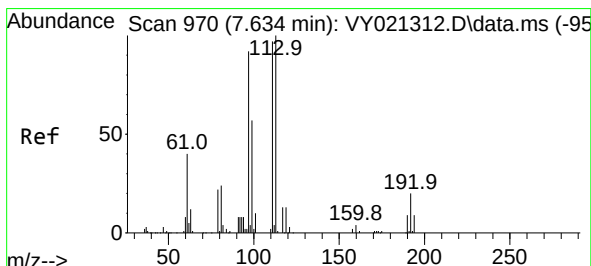
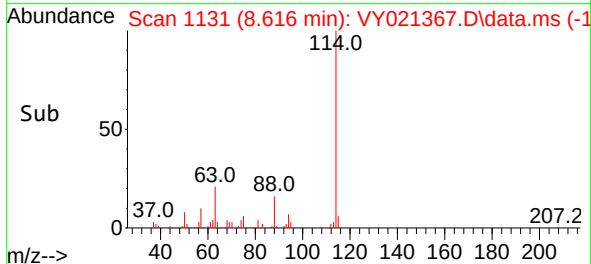
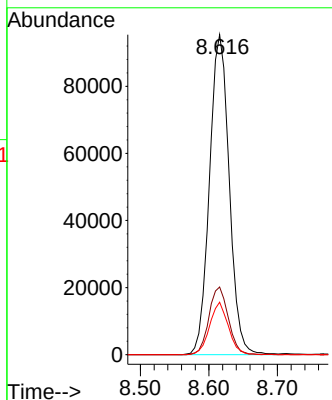
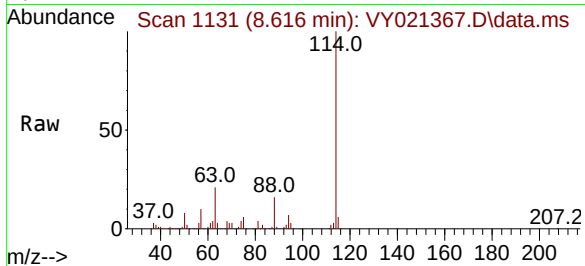




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VY021367.D  
Acq: 27 Feb 2025 18:42

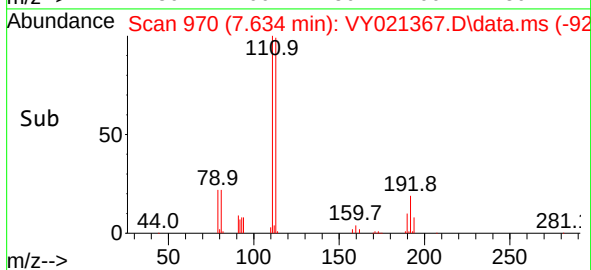
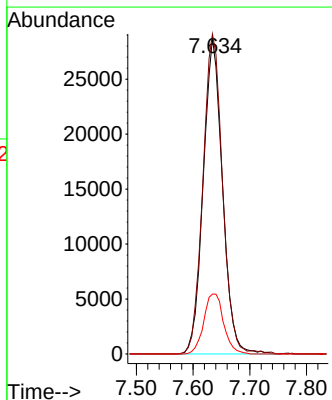
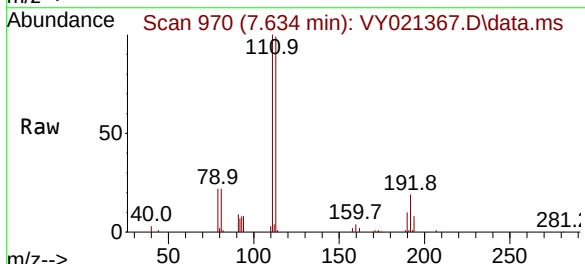
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P1

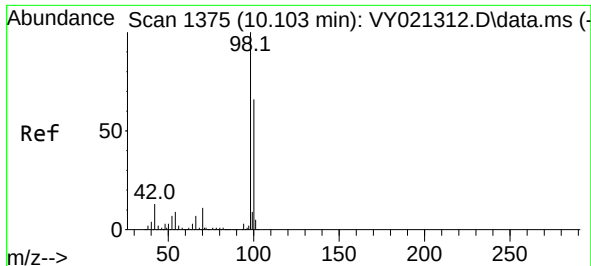
Tgt Ion:114 Resp: 190726  
Ion Ratio Lower Upper  
114 100  
63 21.1 0.0 42.2  
88 16.4 0.0 29.8



#35  
Dibromofluoromethane  
Concen: 54.068 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.000 min  
Lab File: VY021367.D  
Acq: 27 Feb 2025 18:42

Tgt Ion:113 Resp: 67607  
Ion Ratio Lower Upper  
113 100  
111 103.3 81.0 121.6  
192 19.6 15.8 23.8

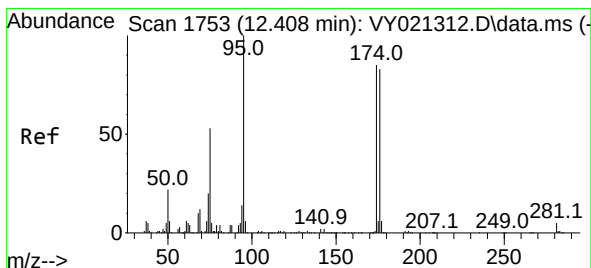
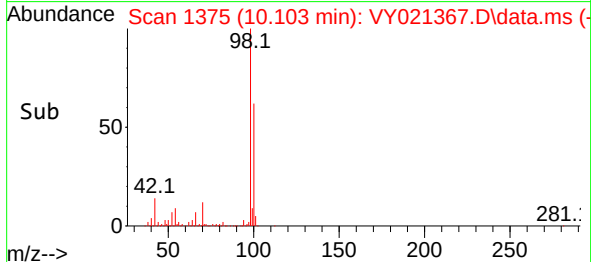
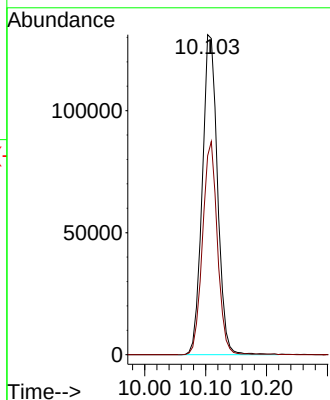
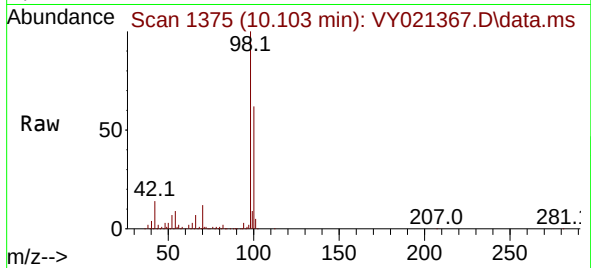




#50  
Toluene-d8  
Concen: 47.189 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. 0.000 min  
Lab File: VY021367.D  
Acq: 27 Feb 2025 18:42

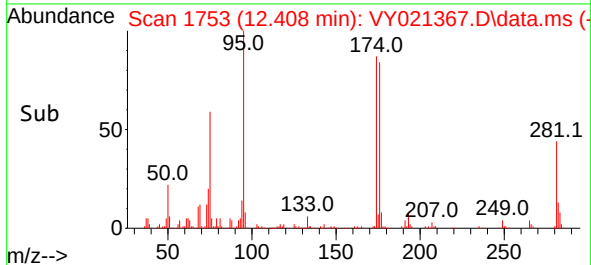
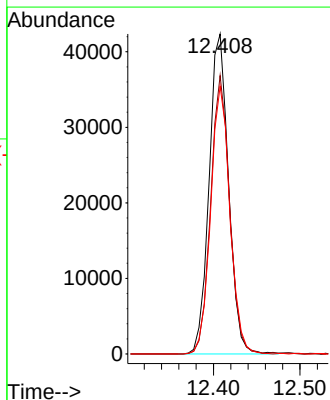
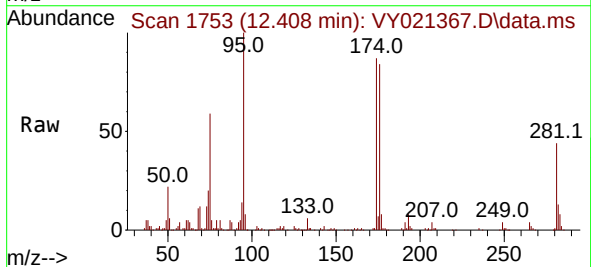
Instrument :  
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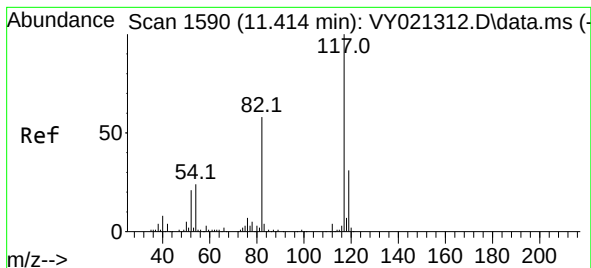
Tgt Ion: 98 Resp: 228043  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 40.613 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY021367.D  
Acq: 27 Feb 2025 18:42

Tgt Ion: 95 Resp: 66052  
Ion Ratio Lower Upper  
95 100  
174 84.7 0.0 168.0  
176 82.8 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021367.D

Acq: 27 Feb 2025 18:42

Instrument :

MSVOA\_Y

ClientSampleId :

P1

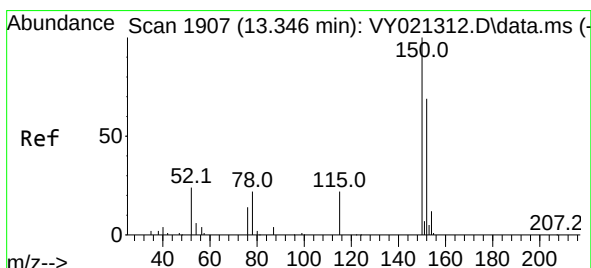
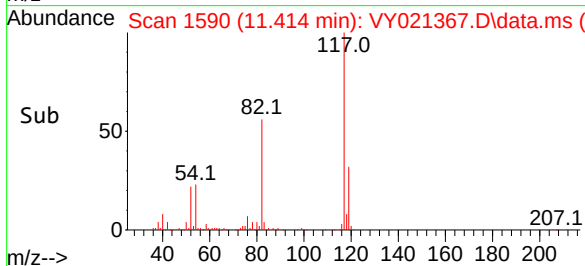
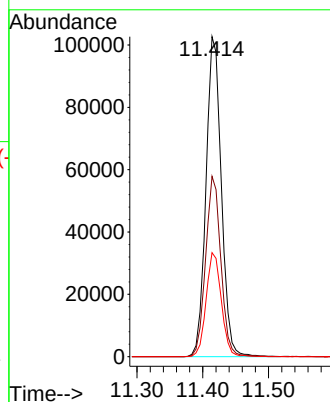
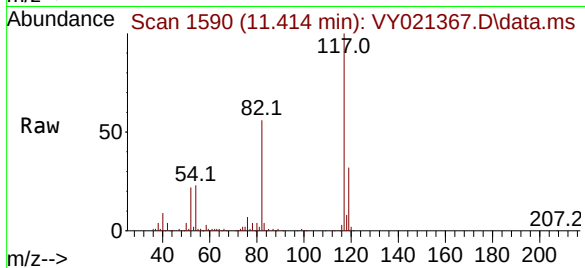
Tgt Ion:117 Resp: 166640

Ion Ratio Lower Upper

117 100

82 56.4 46.2 69.4

119 32.5 24.9 37.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021367.D

Acq: 27 Feb 2025 18:42

Tgt Ion:152 Resp: 61007

Ion Ratio Lower Upper

152 100

115 58.1 29.3 88.0

150 154.9 0.0 347.4

