

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052025\  
 Data File : VY022337.D  
 Acq On : 20 May 2025 13:01  
 Operator : SY/MD  
 Sample : Q2056-03  
 Misc : 7.95g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 GVD13

Quant Time: May 21 01:47:35 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051525S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 16 01:42:09 2025  
 Response via : Initial Calibration

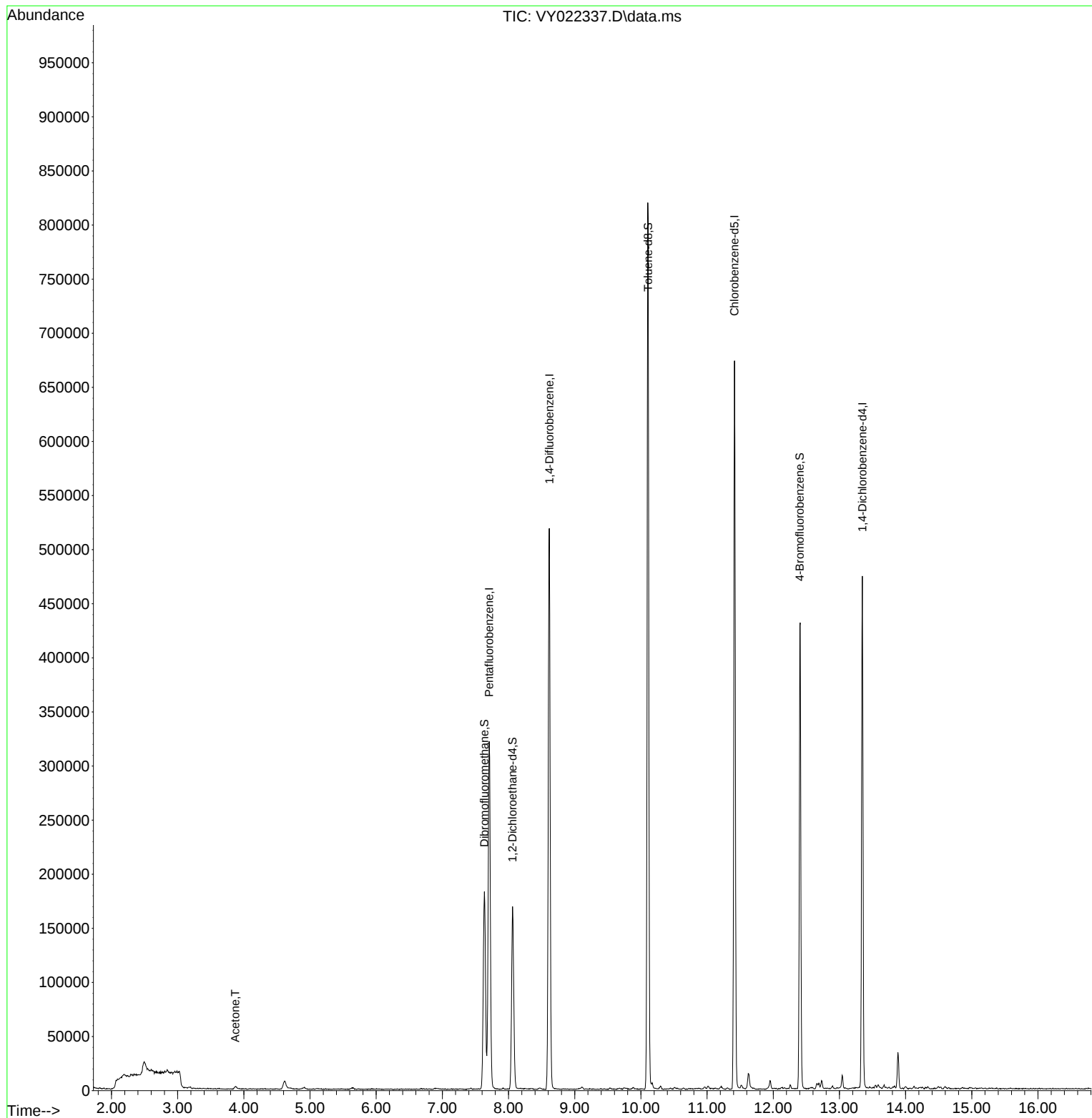
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.707  | 168   | 244549   | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 431792   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 328152   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.347 | 152   | 107238   | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 126949   | 47.499   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 95.000%   |
| 35) Dibromofluoromethane    | 7.634  | 113   | 125678   | 48.766   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 97.540%   |
| 50) Toluene-d8              | 10.109 | 98    | 513211   | 48.622   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 97.240%   |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 123075   | 36.787   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 73.580%   |
| Target Compounds            |        |       |          |          |       |           |
| 16) Acetone                 | 3.873  | 43    | 4316     | 8.612    | ug/l  | Qvalue 97 |
| -----                       |        |       |          |          |       |           |

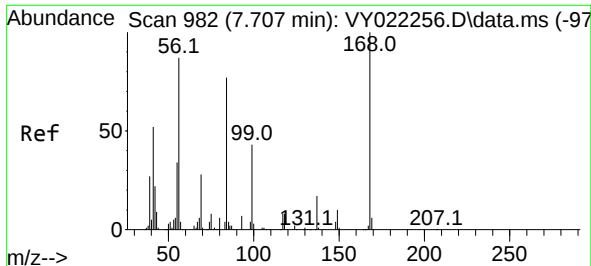
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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GVD13

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051525S.M  
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QLast Update : Fri May 16 01:42:09 2025  
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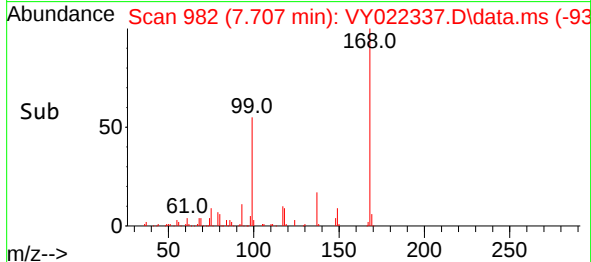
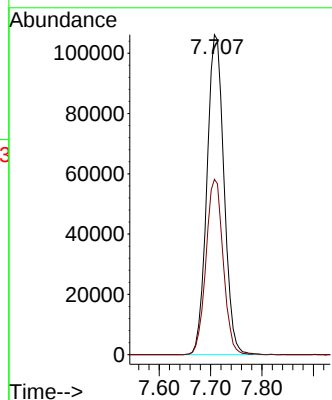
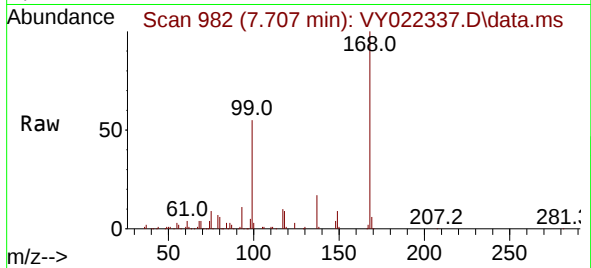




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY022337.D  
Acq: 20 May 2025 13:01

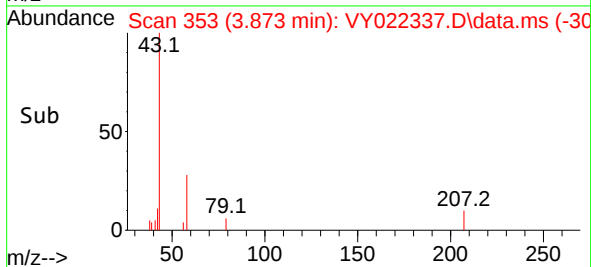
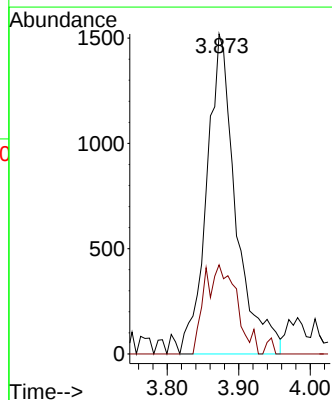
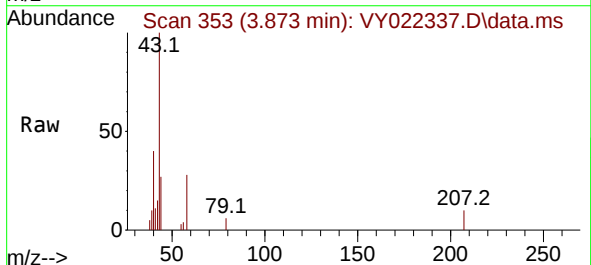
Instrument :  
MSVOA\_Y  
ClientSampleId :  
GVD13

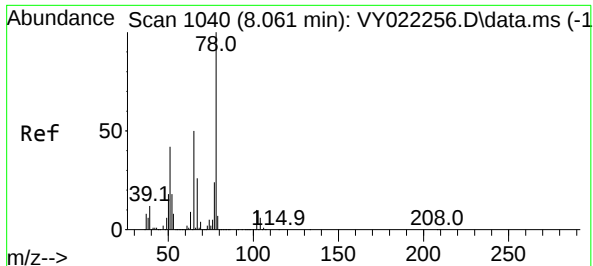
Tgt Ion:168 Resp: 244549  
Ion Ratio Lower Upper  
168 100  
99 54.8 44.2 66.4



#16  
Acetone  
Concen: 8.612 ug/l  
RT: 3.873 min Scan# 353  
Delta R.T. 0.000 min  
Lab File: VY022337.D  
Acq: 20 May 2025 13:01

Tgt Ion: 43 Resp: 4316  
Ion Ratio Lower Upper  
43 100  
58 27.8 23.6 35.4





#33

1,2-Dichloroethane-d4

Concen: 47.499 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY022337.D

Acq: 20 May 2025 13:01

Instrument :

MSVOA\_Y

ClientSampleId :

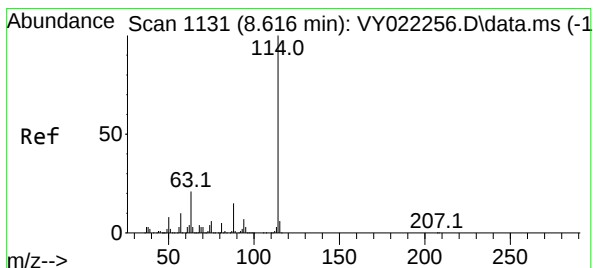
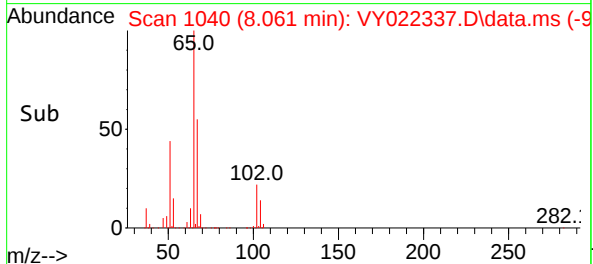
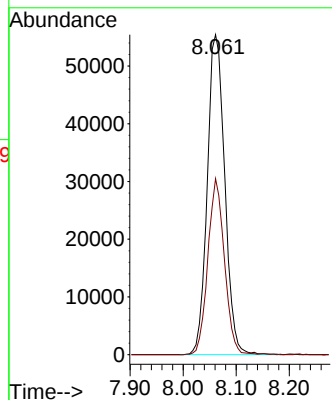
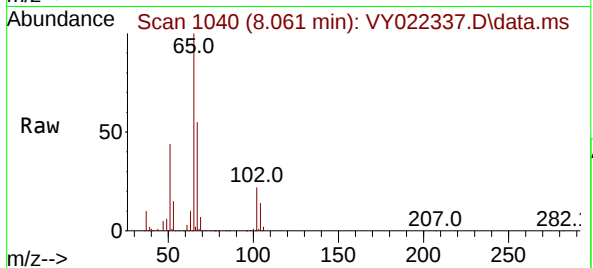
GVD13

Tgt Ion: 65 Resp: 126949

Ion Ratio Lower Upper

65 100

67 52.1 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: VY022337.D

Acq: 20 May 2025 13:01

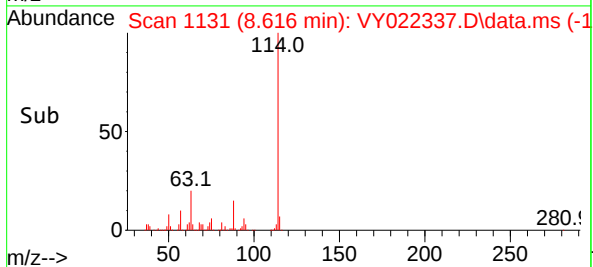
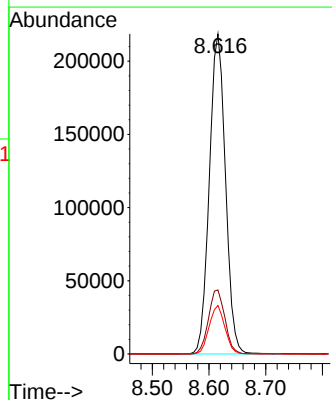
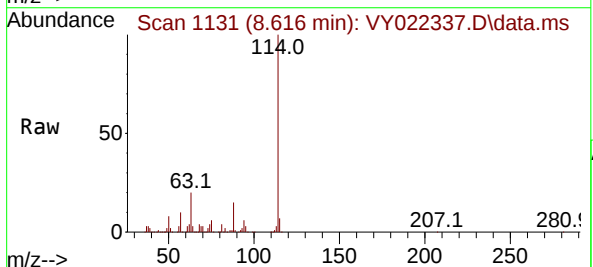
Tgt Ion: 114 Resp: 431792

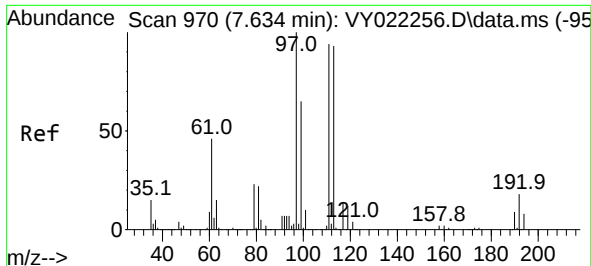
Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.0

88 15.2 0.0 29.4

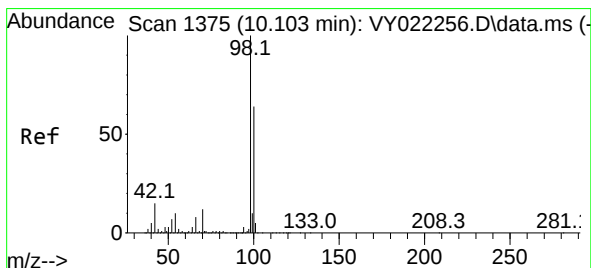
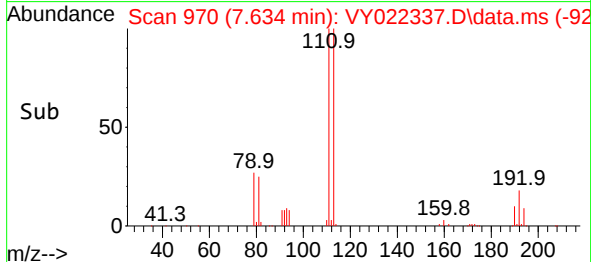
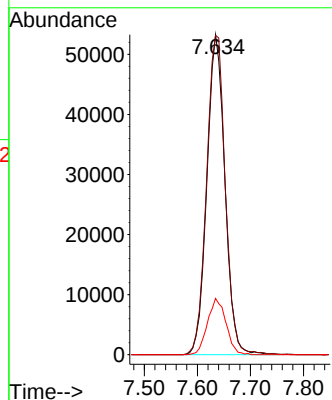
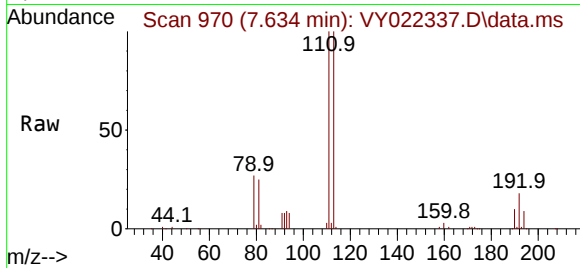




#35  
Dibromofluoromethane  
Concen: 48.766 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY022337.D  
Acq: 20 May 2025 13:01

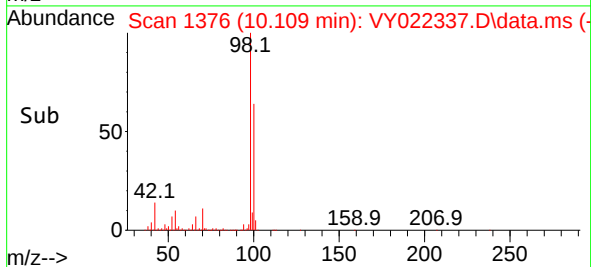
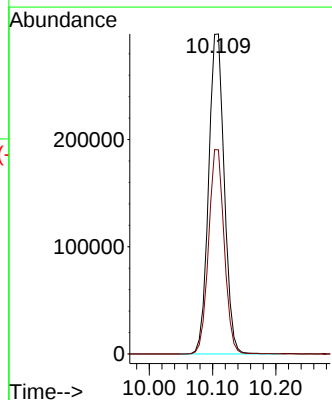
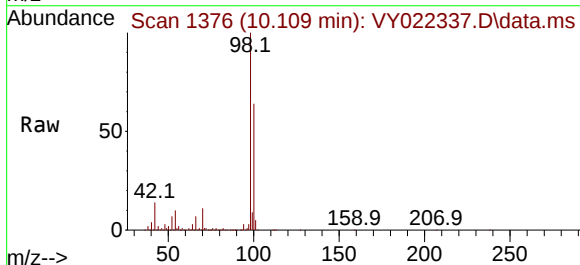
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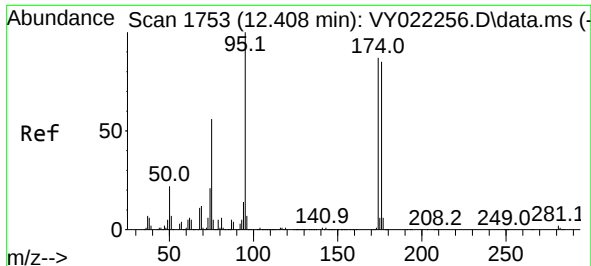
Tgt Ion:113 Resp: 125678  
Ion Ratio Lower Upper  
113 100  
111 103.7 82.6 123.8  
192 18.0 15.2 22.8



#50  
Toluene-d8  
Concen: 48.622 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.006 min  
Lab File: VY022337.D  
Acq: 20 May 2025 13:01

Tgt Ion: 98 Resp: 513211  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.8 77.8

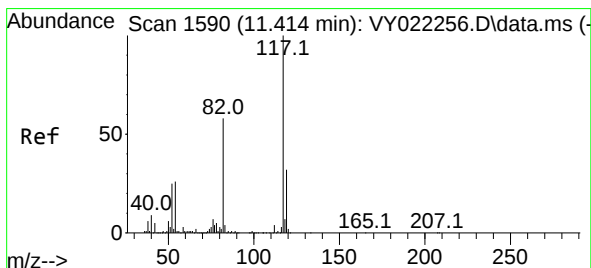
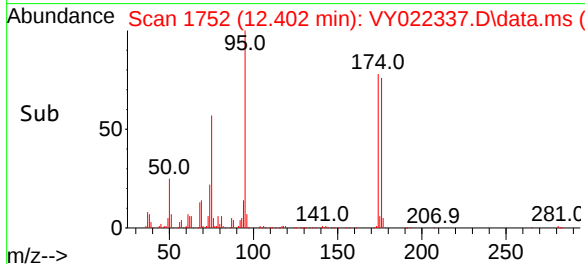
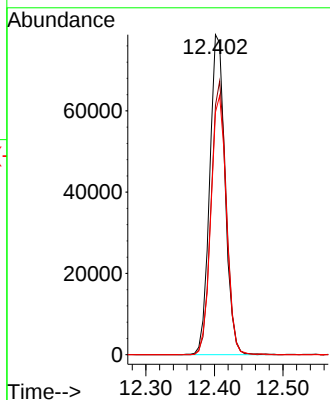
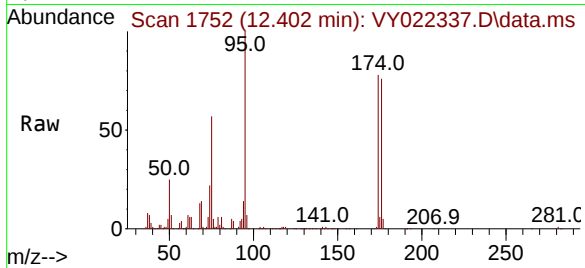




#62  
4-Bromofluorobenzene  
Concen: 36.787 ug/l  
RT: 12.402 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY022337.D  
Acq: 20 May 2025 13:01

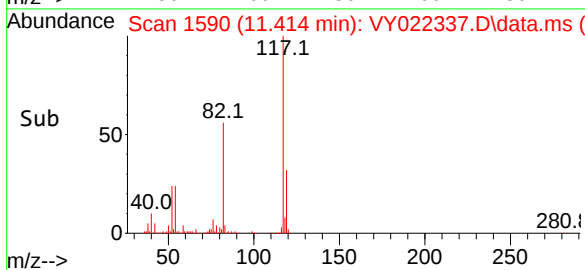
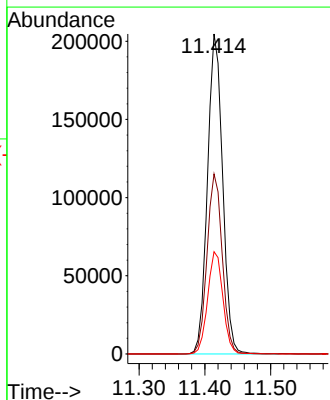
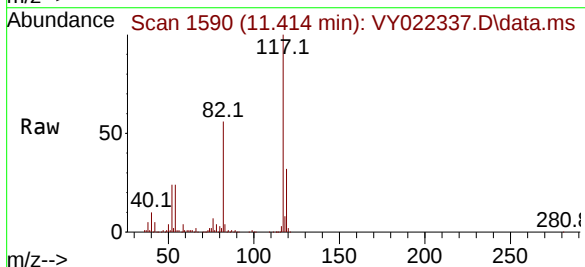
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MSVOA\_Y  
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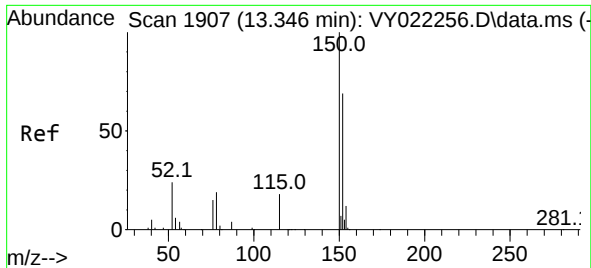
Tgt Ion: 95 Resp: 123075  
Ion Ratio Lower Upper  
95 100  
174 84.8 0.0 166.8  
176 81.7 0.0 160.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. 0.000 min  
Lab File: VY022337.D  
Acq: 20 May 2025 13:01

Tgt Ion: 117 Resp: 328152  
Ion Ratio Lower Upper  
117 100  
82 56.2 46.6 70.0  
119 32.0 25.8 38.6





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.347 min Scan# 1907  
 Delta R.T. 0.000 min  
 Lab File: VY022337.D  
 Acq: 20 May 2025 13:01

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 GVD13

Tgt Ion:152 Resp: 107238  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 58.2  | 29.4  | 88.2  |
| 150 | 160.0 | 0.0   | 353.8 |

