

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061825\  
 Data File : VY022737.D  
 Acq On : 18 Jun 2025 14:54  
 Operator : SY/MD  
 Sample : Q2357-01  
 Misc : 5.12g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-06-06182025

Quant Time: Jun 19 04:00:58 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 10 15:26:14 2025  
 Response via : Initial Calibration

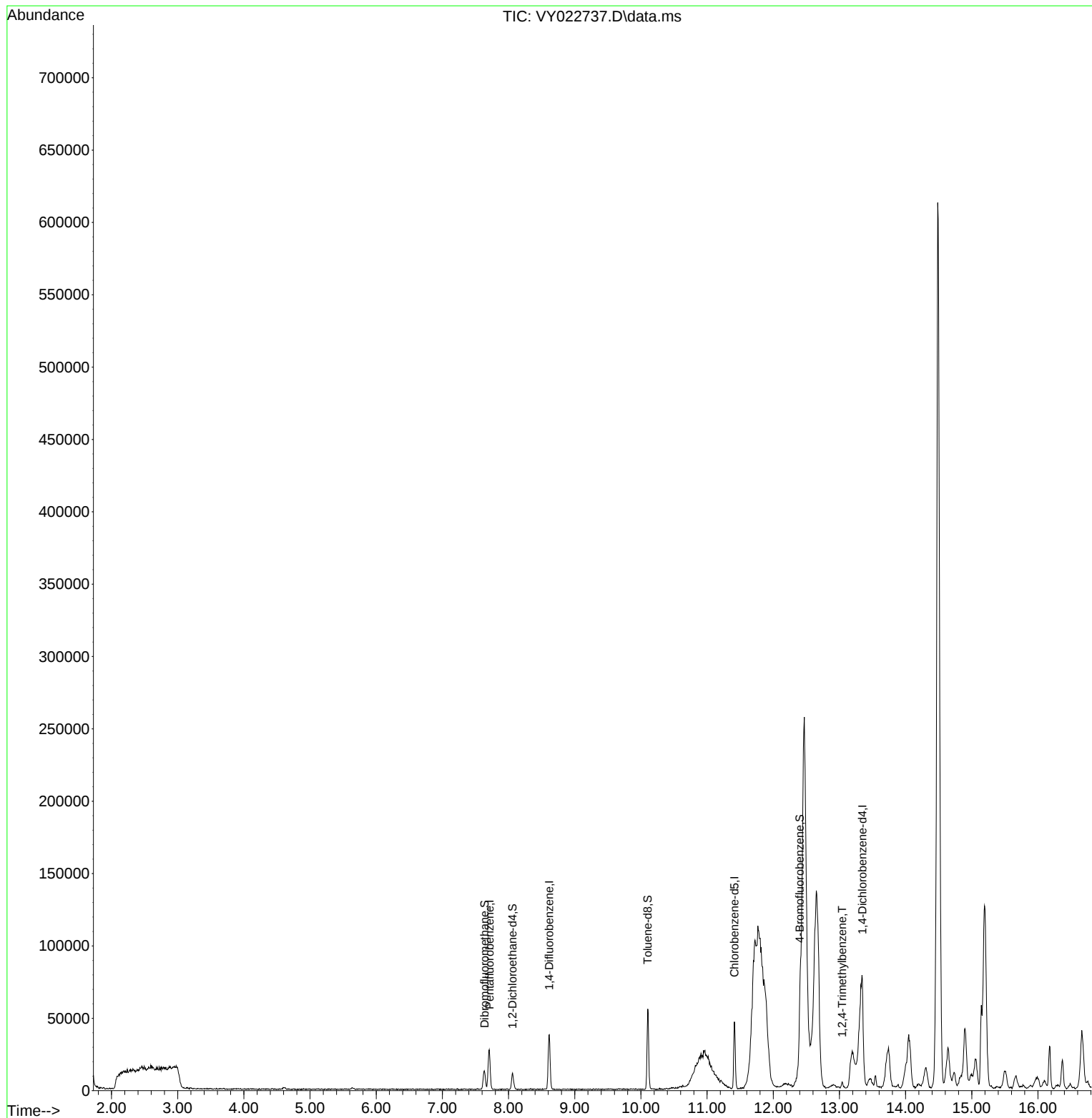
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.713  | 168   | 19847    | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.615  | 114   | 31619    | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 22514    | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 15214    | 50.000   | ug/l  | # 0.00    |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.060  | 65    | 7804     | 35.157   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 70.320%   |
| 35) Dibromofluoromethane    | 7.640  | 113   | 8620     | 45.674   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 91.340%   |
| 50) Toluene-d8              | 10.103 | 98    | 35685    | 46.795   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 93.600%   |
| 62) 4-Bromofluorobenzene    | 12.401 | 95    | 8288     | 36.477   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 72.960%   |
| Target Compounds            |        |       |          |          |       |           |
| 84) 1,2,4-Trimethylbenzene  | 13.041 | 105   | 2215     | 2.258    | ug/l  | Qvalue 99 |
| -----                       |        |       |          |          |       |           |

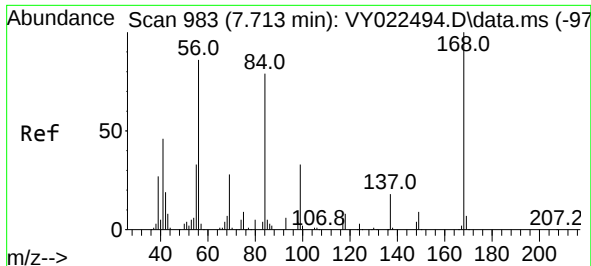
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061825\  
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Sample : Q2357-01  
Misc : 5.12g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-06-06182025

Quant Time: Jun 19 04:00:58 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 10 15:26:14 2025  
Response via : Initial Calibration

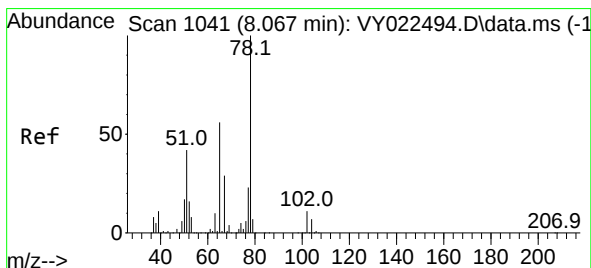
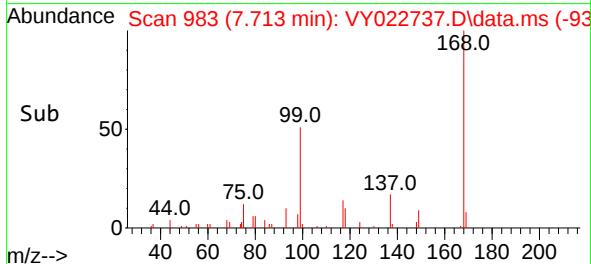
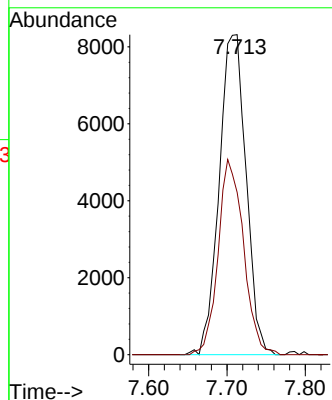
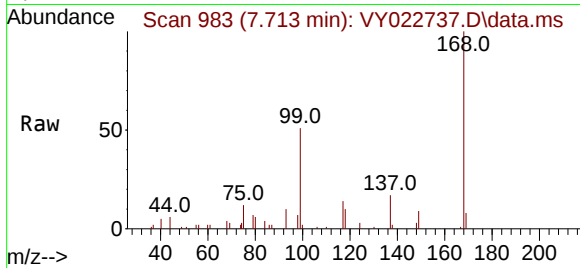




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY022737.D  
Acq: 18 Jun 2025 14:54

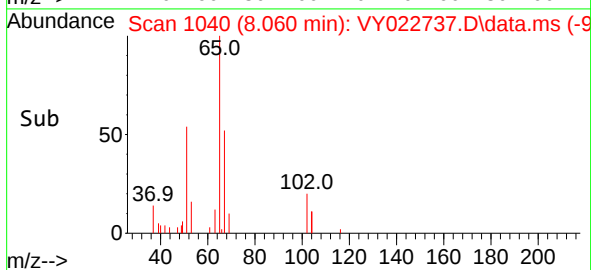
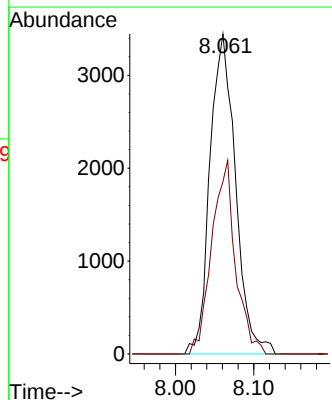
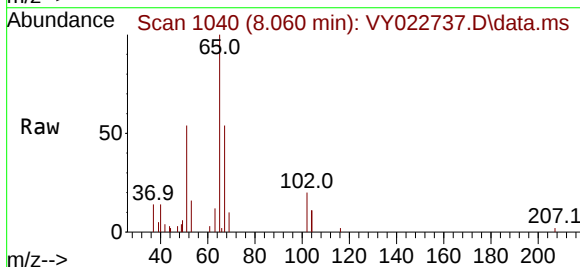
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-06-06182025

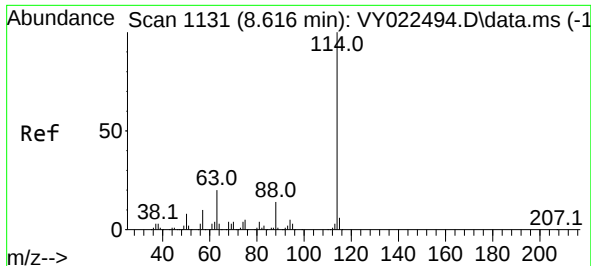
Tgt Ion:168 Resp: 19847  
Ion Ratio Lower Upper  
168 100  
99 50.7 44.3 66.5



#33  
1,2-Dichloroethane-d4  
Concen: 35.157 ug/l  
RT: 8.060 min Scan# 1040  
Delta R.T. -0.007 min  
Lab File: VY022737.D  
Acq: 18 Jun 2025 14:54

Tgt Ion: 65 Resp: 7804  
Ion Ratio Lower Upper  
65 100  
67 56.4 0.0 103.4

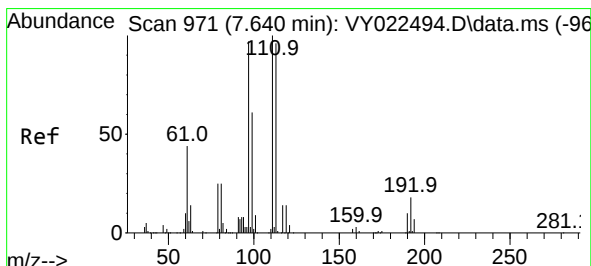
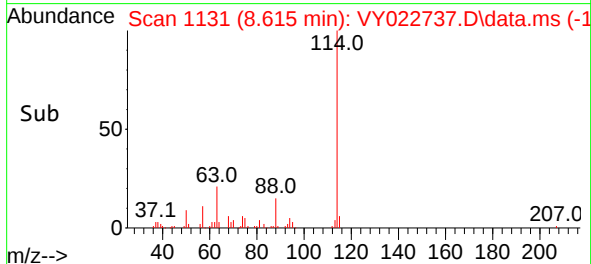
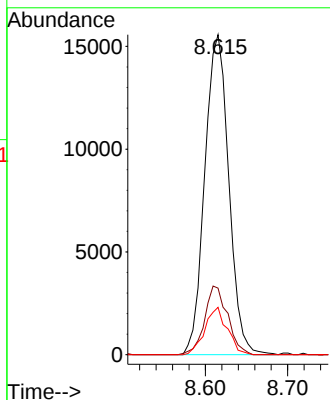
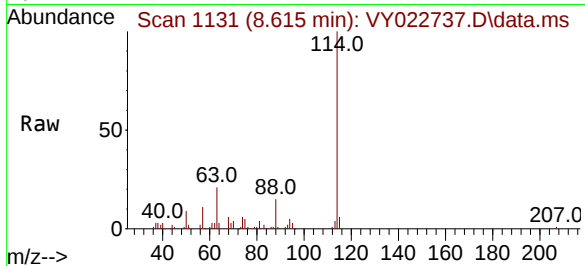




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.615 min Scan# 1131  
Delta R.T. -0.000 min  
Lab File: VY022737.D  
Acq: 18 Jun 2025 14:54

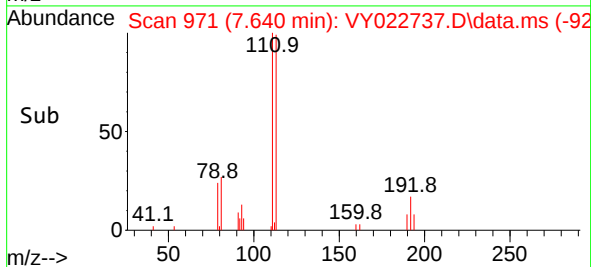
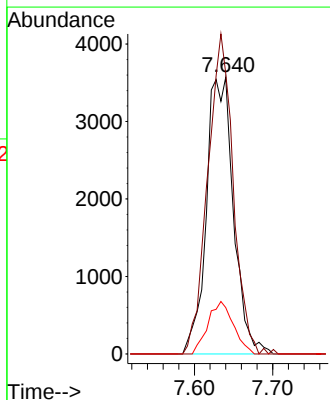
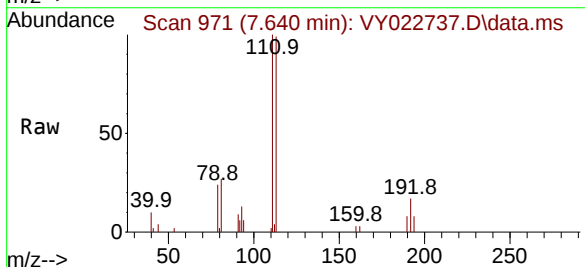
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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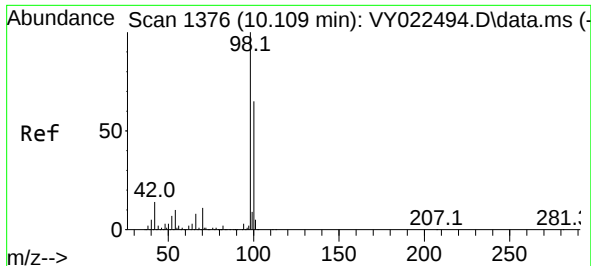
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 114   | Resp: | 31619 |
| Ion Ratio | Lower | Upper |       |
| 114       | 100   |       |       |
| 63        | 20.8  | 0.0   | 40.8  |
| 88        | 14.8  | 0.0   | 27.8  |



#35  
Dibromofluoromethane  
Concen: 45.674 ug/l  
RT: 7.640 min Scan# 971  
Delta R.T. -0.000 min  
Lab File: VY022737.D  
Acq: 18 Jun 2025 14:54

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 8620  |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 108.8 | 81.1  | 121.7 |
| 192       | 17.8  | 14.2  | 21.2  |

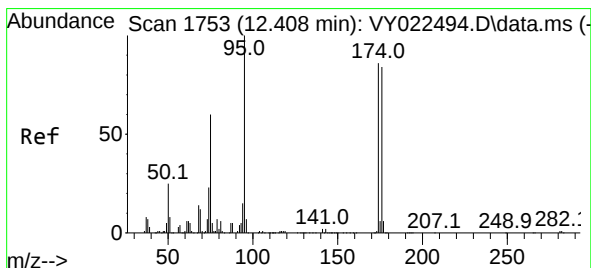
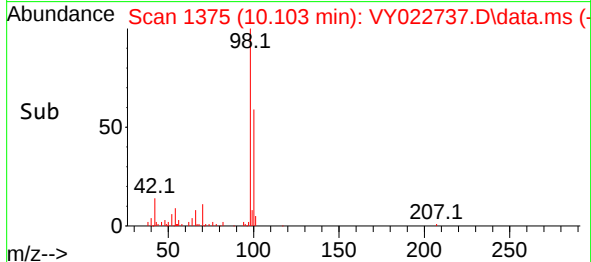
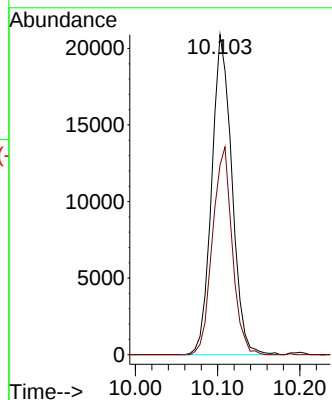
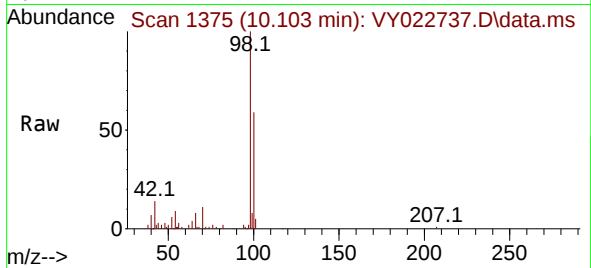




#50  
Toluene-d8  
Concen: 46.795 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. -0.007 min  
Lab File: VY022737.D  
Acq: 18 Jun 2025 14:54

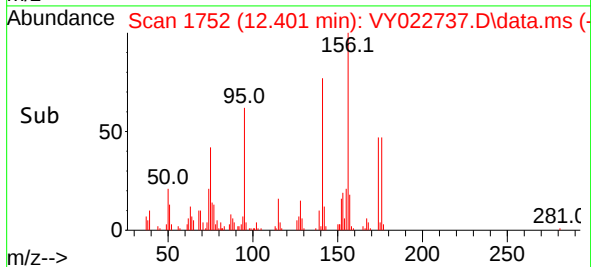
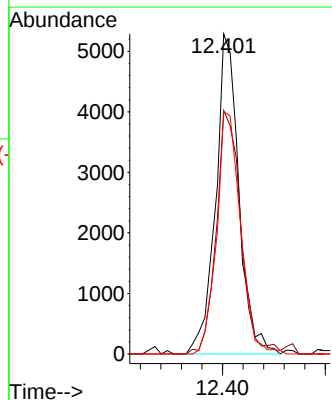
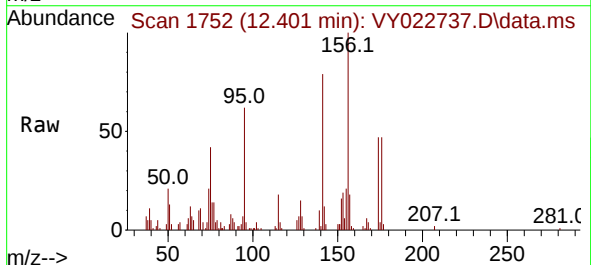
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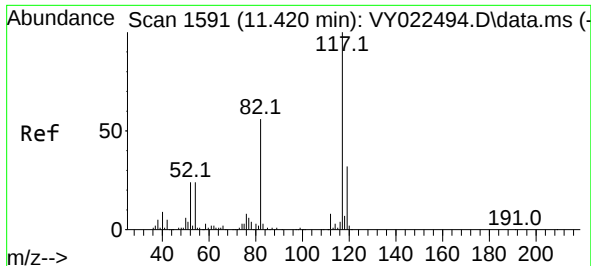
Tgt Ion: 98 Resp: 35685  
Ion Ratio Lower Upper  
98 100  
100 63.3 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 36.477 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.007 min  
Lab File: VY022737.D  
Acq: 18 Jun 2025 14:54

Tgt Ion: 95 Resp: 8288  
Ion Ratio Lower Upper  
95 100  
174 79.7 0.0 170.0  
176 77.8 0.0 166.2

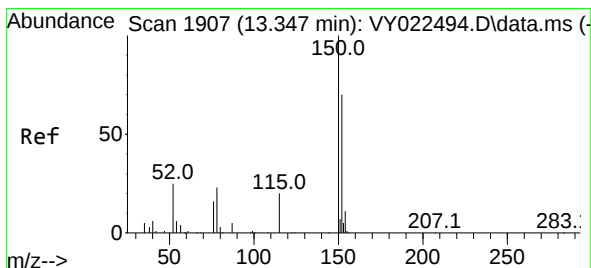
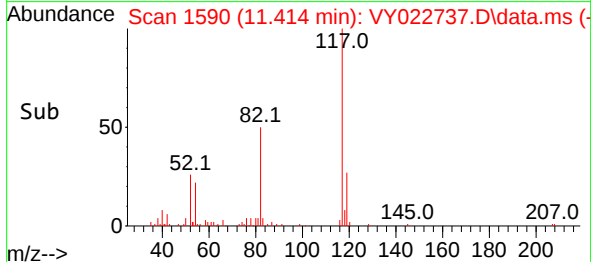
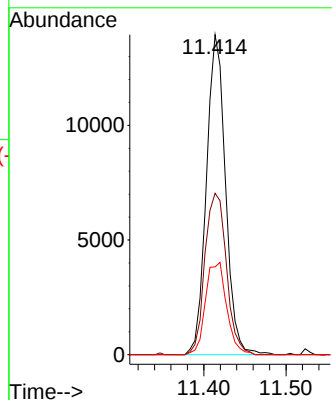
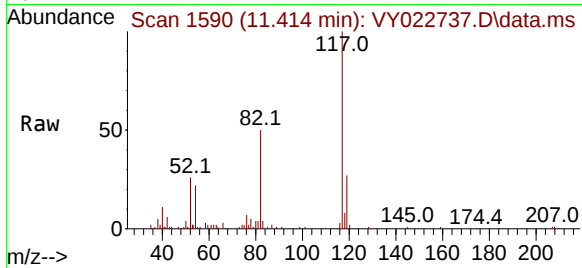




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 117  
Delta R.T. -0.007 min  
Lab File: VY022737.D  
Acq: 18 Jun 2025 14:54

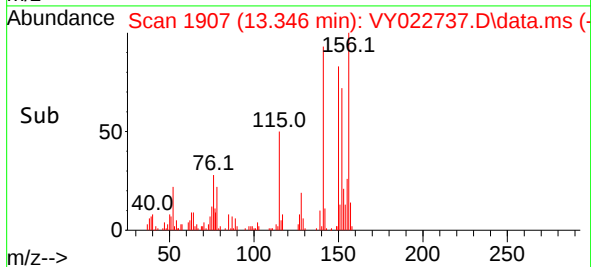
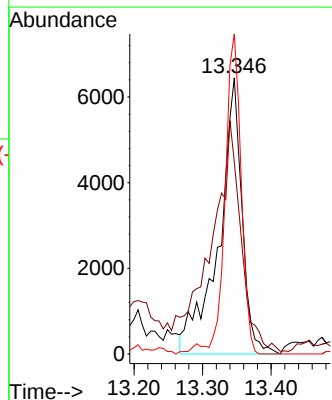
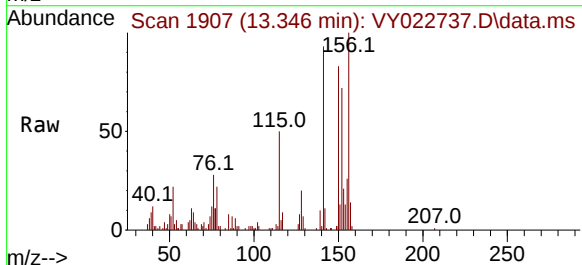
Instrument :  
MSVOA\_Y  
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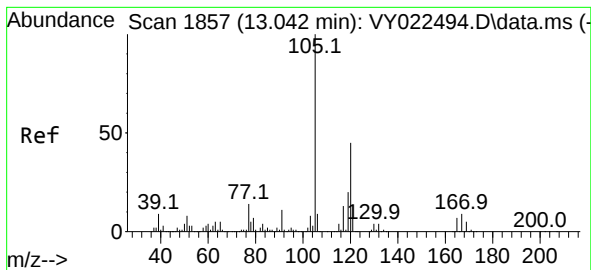
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:117 | Resp: | 22514     |
| Ion Ratio   | Lower | Upper     |
| 117         | 100   |           |
| 82          | 50.5  | 44.6 66.8 |
| 119         | 27.4  | 25.4 38.0 |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY022737.D  
Acq: 18 Jun 2025 14:54

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:152 | Resp: | 15214      |
| Ion Ratio   | Lower | Upper      |
| 152         | 100   |            |
| 115         | 106.8 | 28.9 86.7# |
| 150         | 77.6  | 0.0 349.6  |





#84

1,2,4-Trimethylbenzene

Concen: 2.258 ug/l

RT: 13.041 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022737.D

Acq: 18 Jun 2025 14:54

Instrument :

MSVOA\_Y

ClientSampleId :

TR-06-06182025

Tgt Ion:105 Resp: 2215

Ion Ratio Lower Upper

105 100

120 46.3 22.7 68.1

