

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052725\  
 Data File : VY022437.D  
 Acq On : 27 May 2025 16:24  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

Quant Time: May 28 08:04:58 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 28 10:34:06 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.707  | 168   | 309627   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.615  | 114   | 566752   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 451046   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 164000   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 154433   | 47.353   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 94.700%  |
| 35) Dibromofluoromethane    | 7.634  | 113   | 162885   | 49.075   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 98.160%  |
| 50) Toluene-d8              | 10.109 | 98    | 671877   | 49.657   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 99.320%  |
| 62) 4-Bromofluorobenzene    | 12.401 | 95    | 168004   | 41.049   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 82.100%  |

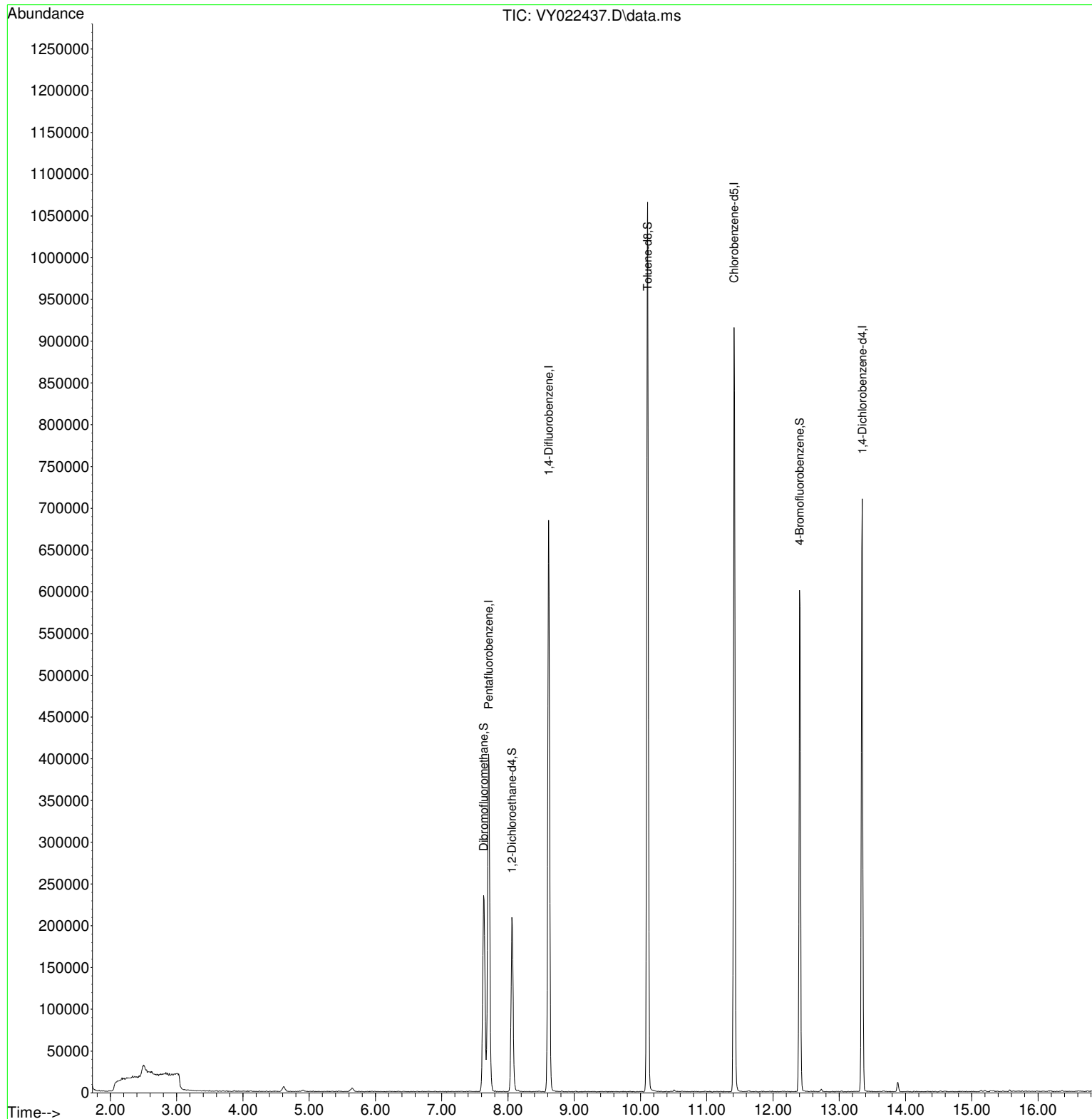
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

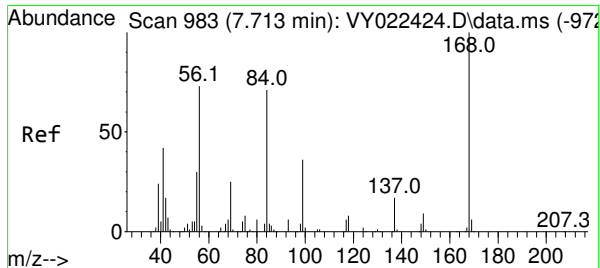
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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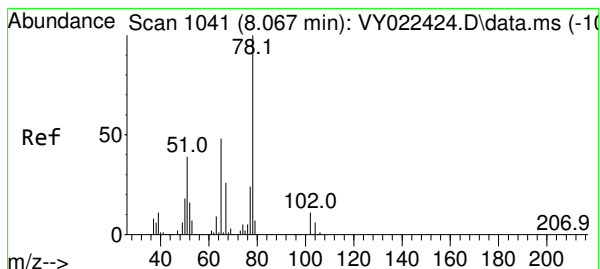
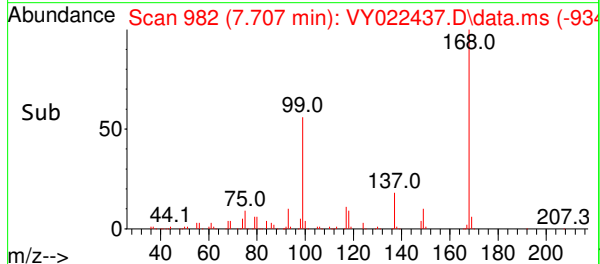
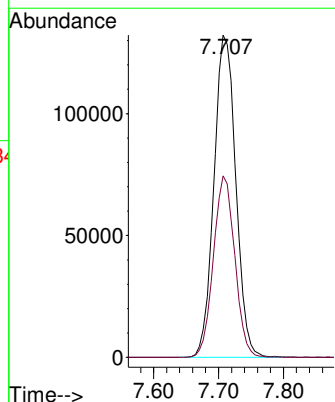
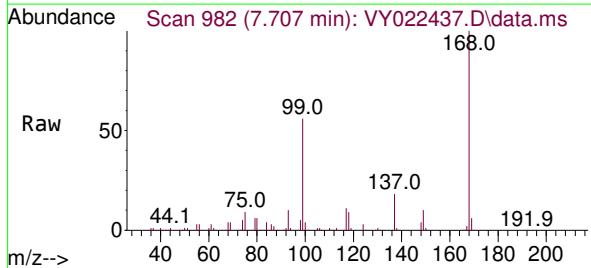




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 9  
Delta R.T. -0.006 min  
Lab File: VY022437.D  
Acq: 27 May 2025 16:24

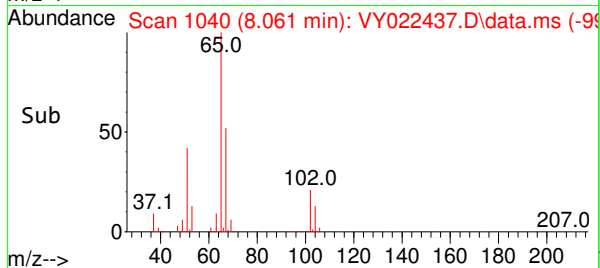
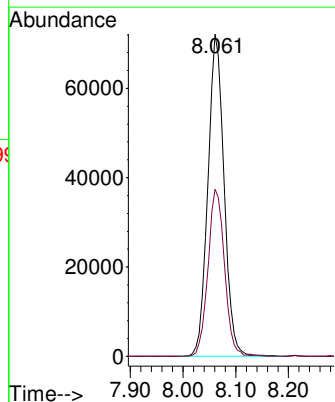
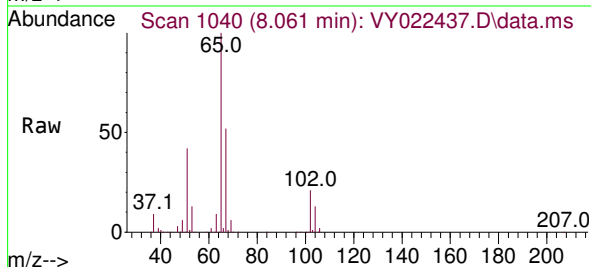
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

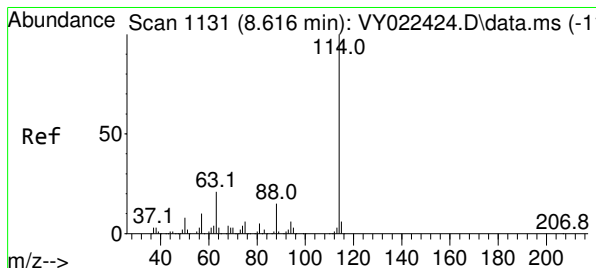
Tgt Ion:168 Resp: 309627  
Ion Ratio Lower Upper  
168 100  
99 56.3 44.7 67.1



#33  
1,2-Dichloroethane-d4  
Concen: 47.353 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.006 min  
Lab File: VY022437.D  
Acq: 27 May 2025 16:24

Tgt Ion: 65 Resp: 154433  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 104.4

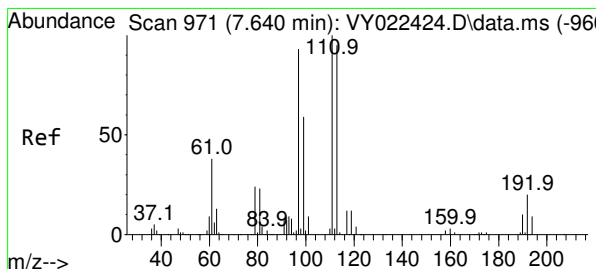
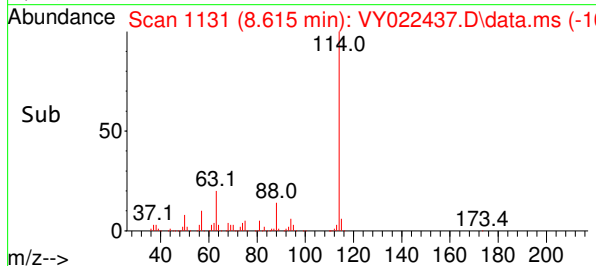
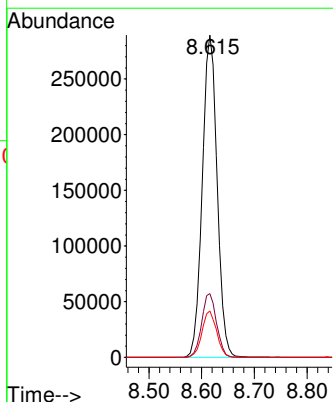
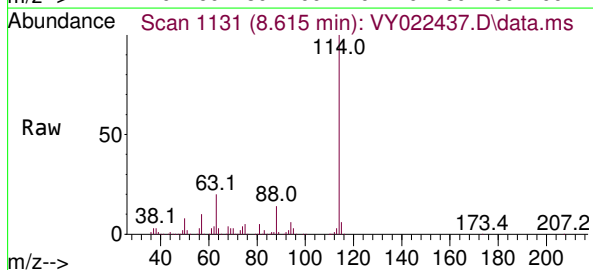




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.615 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VY022437.D  
Acq: 27 May 2025 16:24

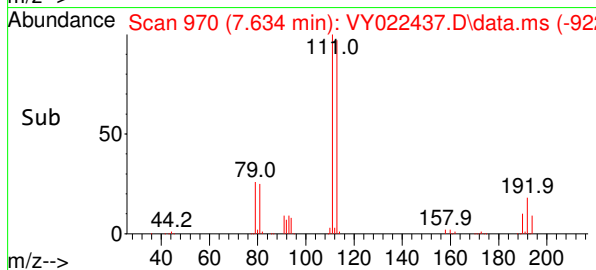
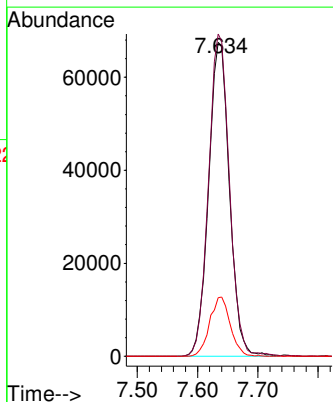
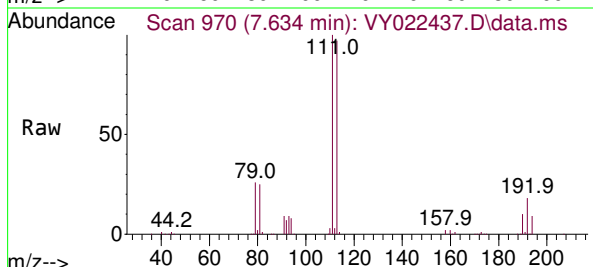
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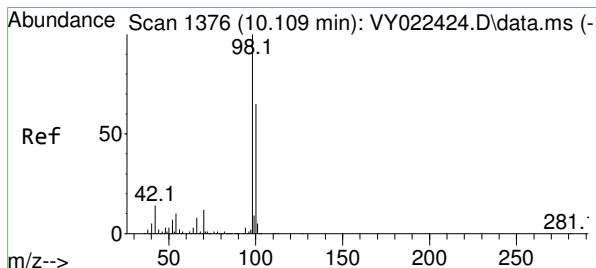
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 566752 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 19.8  | 0.0   | 42.6   |
| 88       | 14.4  | 0.0   | 29.4   |



#35  
Dibromofluoromethane  
Concen: 49.075 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. -0.006 min  
Lab File: VY022437.D  
Acq: 27 May 2025 16:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 162885 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 102.7 | 82.4  | 123.6  |
| 192      | 18.7  | 15.2  | 22.8   |

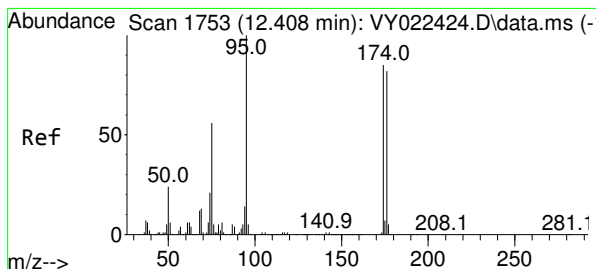
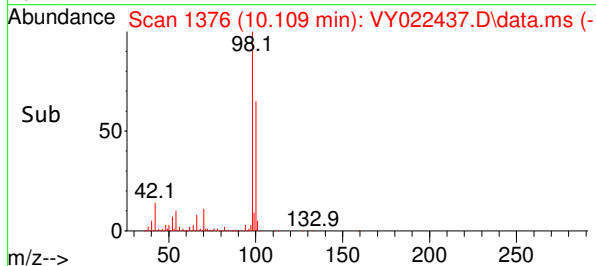
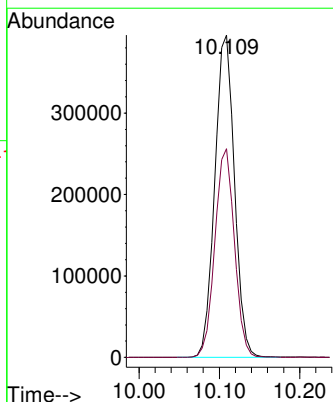
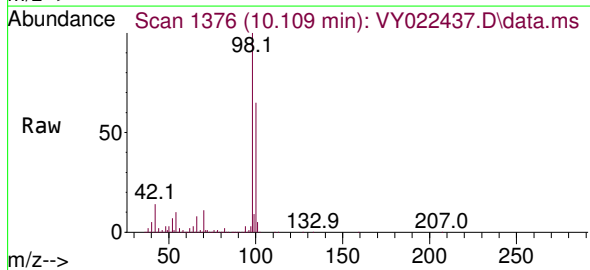




#50  
Toluene-d8  
Concen: 49.657 ug/l  
RT: 10.109 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VY022437.D  
Acq: 27 May 2025 16:24

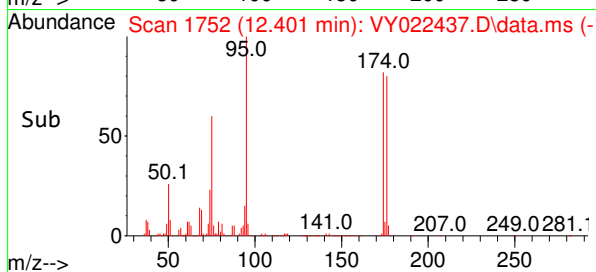
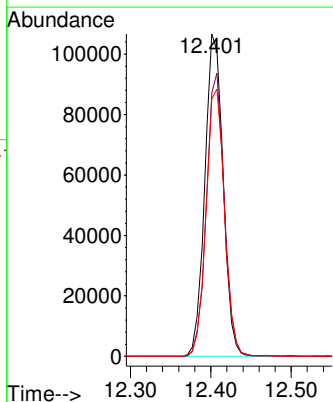
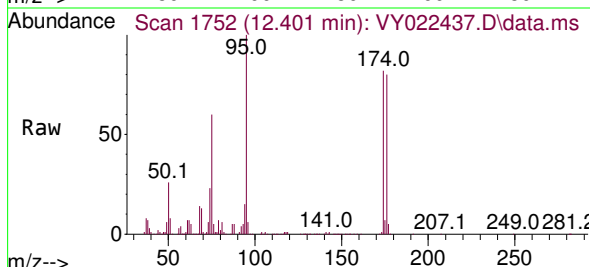
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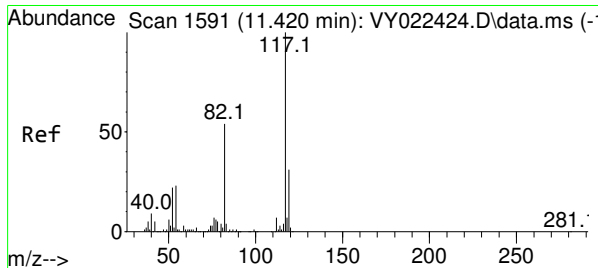
Tgt Ion: 98 Resp: 671877  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 41.049 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY022437.D  
Acq: 27 May 2025 16:24

Tgt Ion: 95 Resp: 168004  
Ion Ratio Lower Upper  
95 100  
174 86.0 0.0 171.6  
176 83.5 0.0 164.6

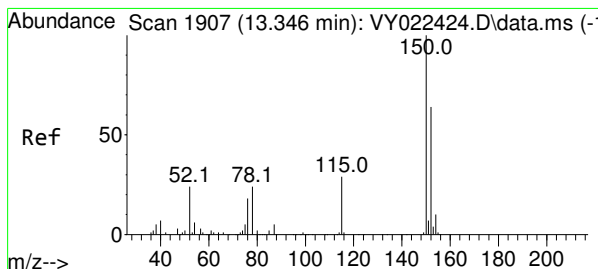
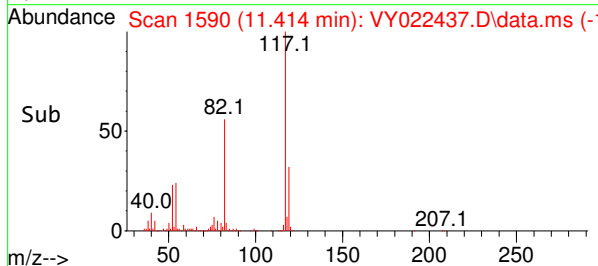
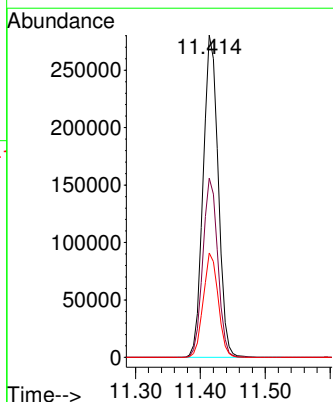
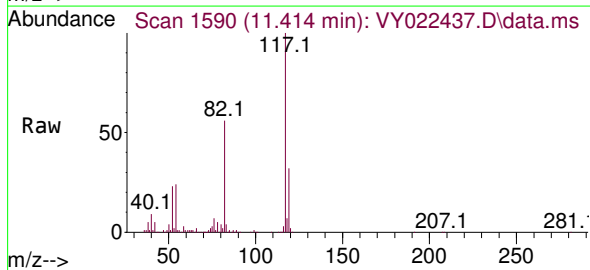




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VY022437.D  
Acq: 27 May 2025 16:24

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Tgt Ion:117 Resp: 451046  
Ion Ratio Lower Upper  
117 100  
82 55.6 43.3 64.9  
119 32.4 24.5 36.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY022437.D  
Acq: 27 May 2025 16:24

Tgt Ion:152 Resp: 164000  
Ion Ratio Lower Upper  
152 100  
115 57.2 28.4 85.3  
150 157.6 0.0 345.8

