

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102825\  
 Data File : VY023606.D  
 Acq On : 28 Oct 2025 14:59  
 Operator : SY/MD  
 Sample : Q3480-01  
 Misc : 4.28g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RT3449

Quant Time: Oct 29 06:24:57 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 734245   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 1245659  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 1047477  | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 433541   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 331408   | 53.976   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 107.960% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 390063   | 50.962   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 101.920% |
| 50) Toluene-d8              | 10.109 | 98    | 1407407  | 49.375   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 98.760%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 398944   | 42.393   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 84.780%  |

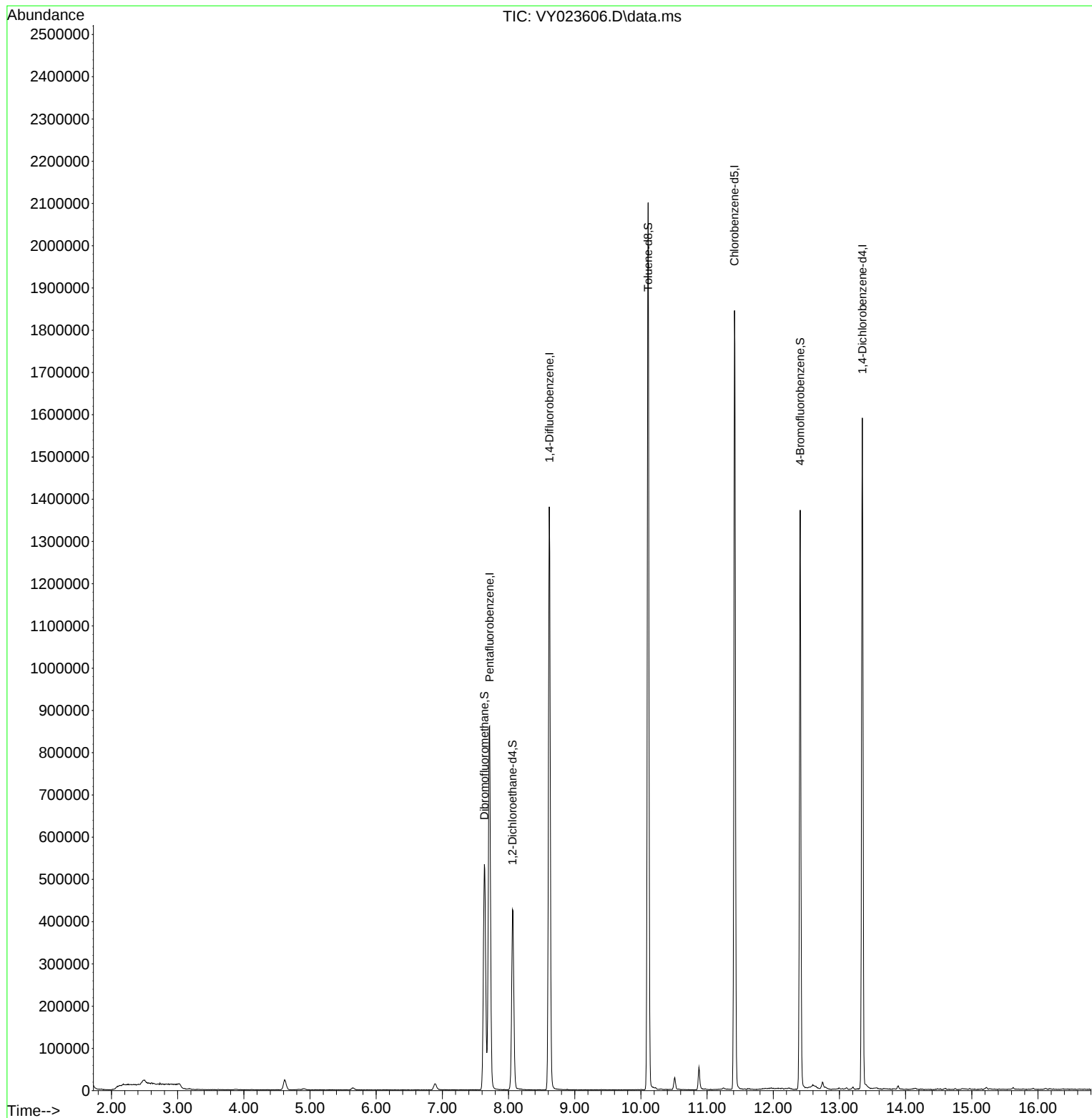
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102825\  
Data File : VY023606.D  
Acq On : 28 Oct 2025 14:59  
Operator : SY/MD  
Sample : Q3480-01  
Misc : 4.28g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT3449

Quant Time: Oct 29 06:24:57 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 2025  
Response via : Initial Calibration

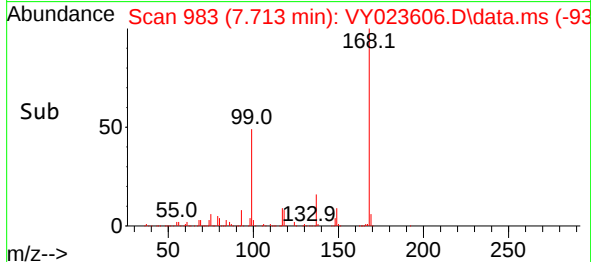
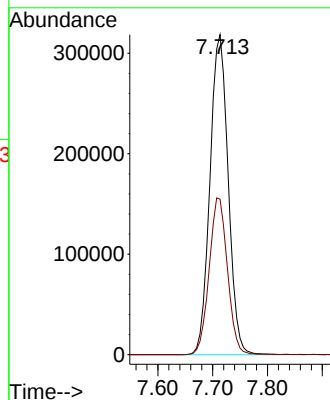
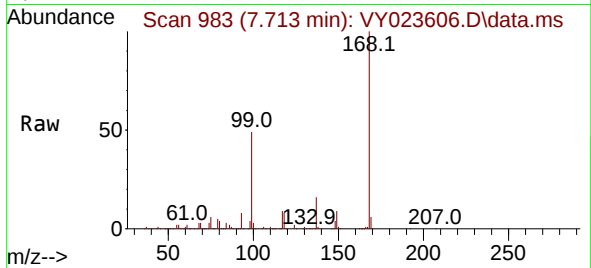




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY023606.D  
Acq: 28 Oct 2025 14:59

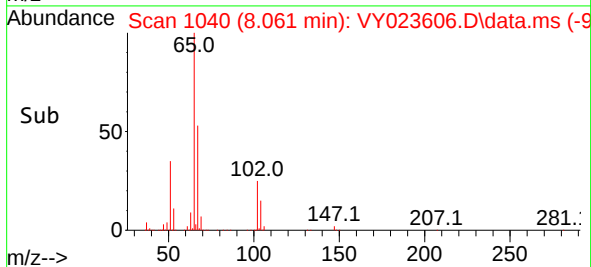
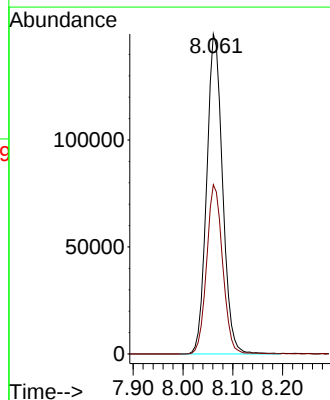
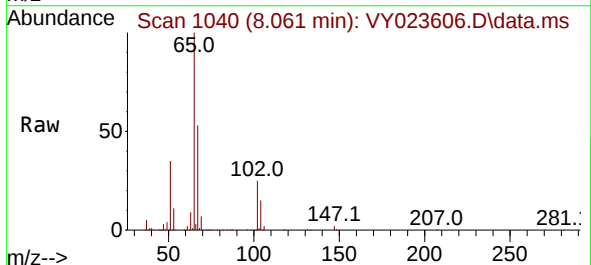
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT3449

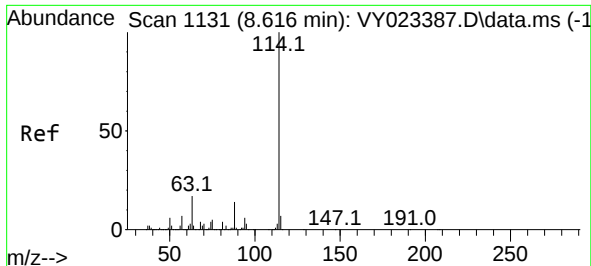
Tgt Ion:168 Resp: 734245  
Ion Ratio Lower Upper  
168 100  
99 48.6 39.7 59.5



#33  
1,2-Dichloroethane-d4  
Concen: 53.976 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY023606.D  
Acq: 28 Oct 2025 14:59

Tgt Ion: 65 Resp: 331408  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 105.8

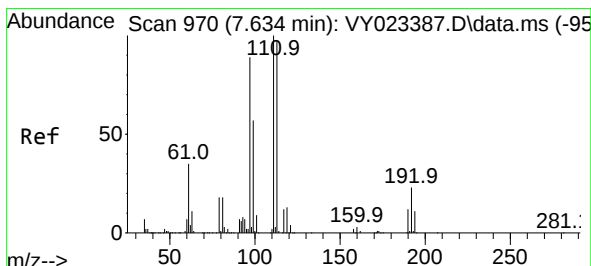
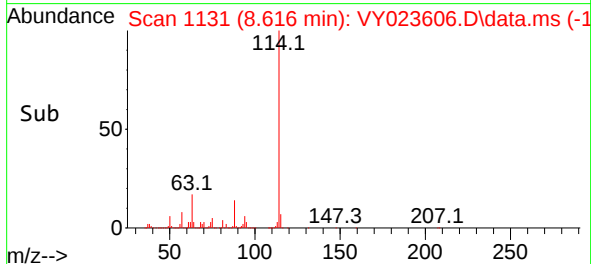
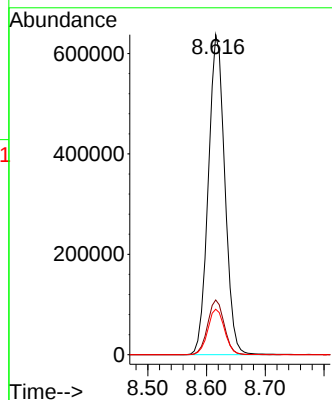
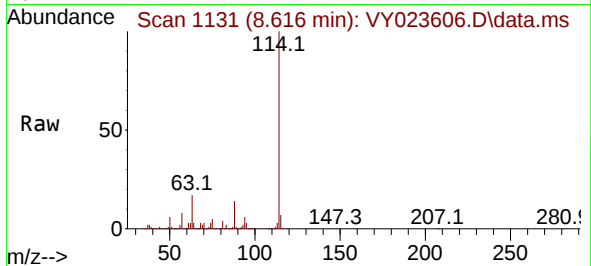




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VY023606.D  
Acq: 28 Oct 2025 14:59

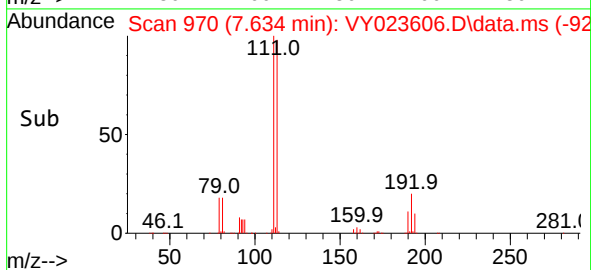
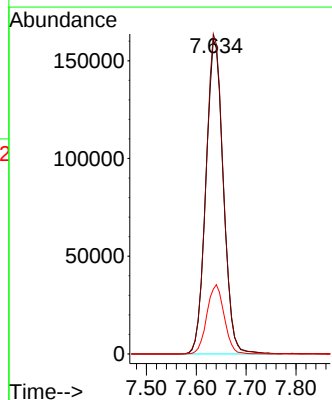
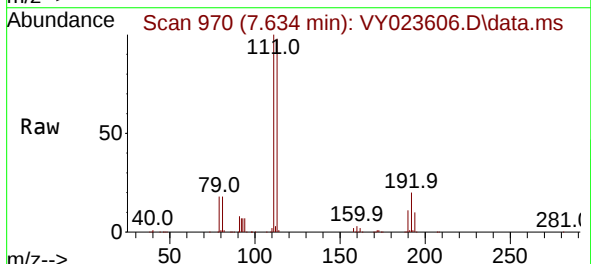
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT3449

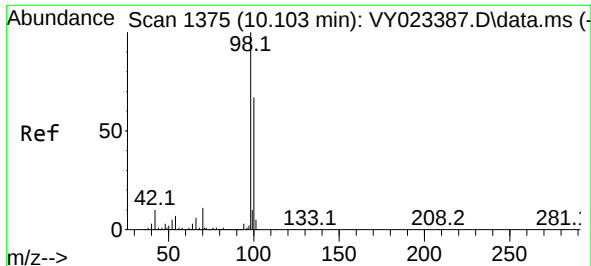
Tgt Ion:114 Resp: 1245659  
Ion Ratio Lower Upper  
114 100  
63 17.1 0.0 34.2  
88 14.2 0.0 28.4



#35  
Dibromofluoromethane  
Concen: 50.962 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.000 min  
Lab File: VY023606.D  
Acq: 28 Oct 2025 14:59

Tgt Ion:113 Resp: 390063  
Ion Ratio Lower Upper  
113 100  
111 101.4 81.8 122.6  
192 21.9 18.0 27.0

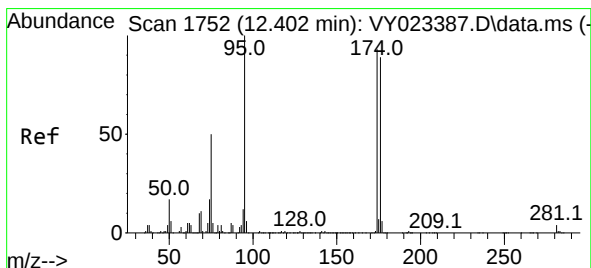
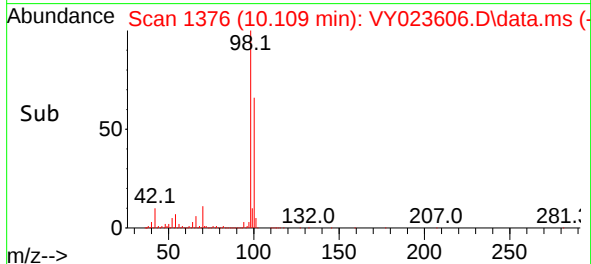
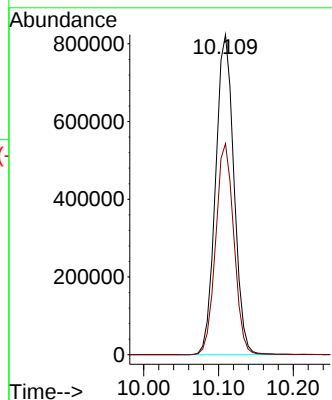
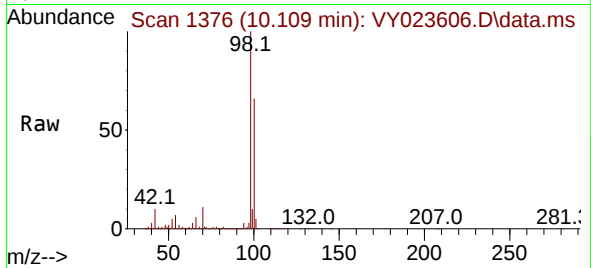




#50  
Toluene-d8  
Concen: 49.375 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY023606.D  
Acq: 28 Oct 2025 14:59

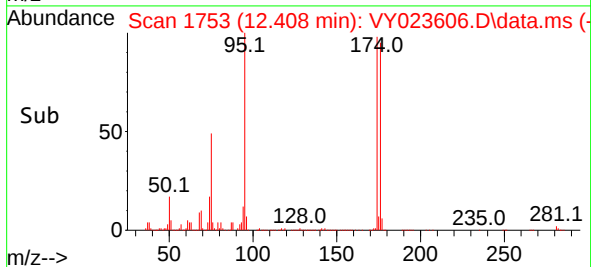
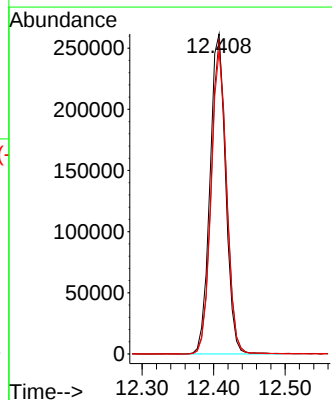
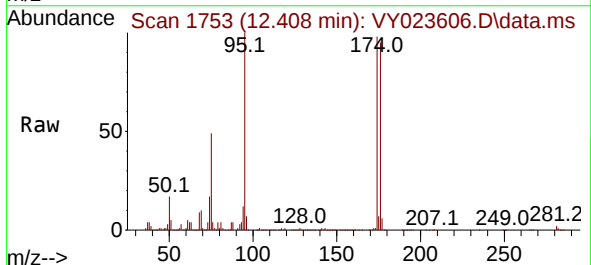
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT3449

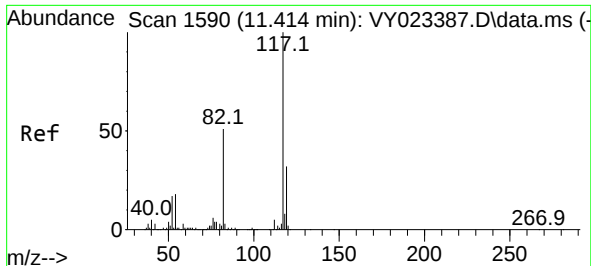
Tgt Ion: 98 Resp: 1407407  
Ion Ratio Lower Upper  
98 100  
100 65.5 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 42.393 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY023606.D  
Acq: 28 Oct 2025 14:59

Tgt Ion: 95 Resp: 398944  
Ion Ratio Lower Upper  
95 100  
174 96.4 0.0 192.8  
176 93.0 0.0 187.6

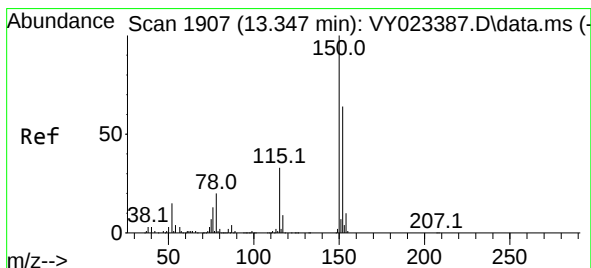
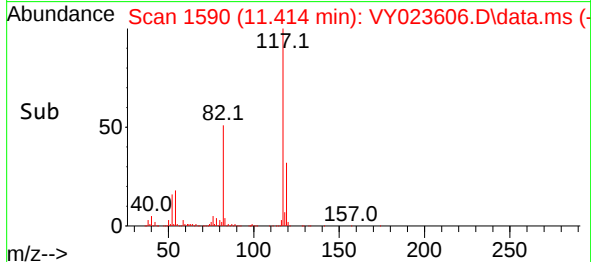
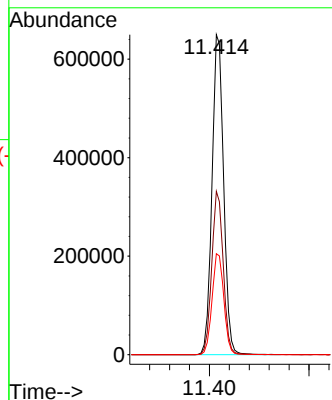
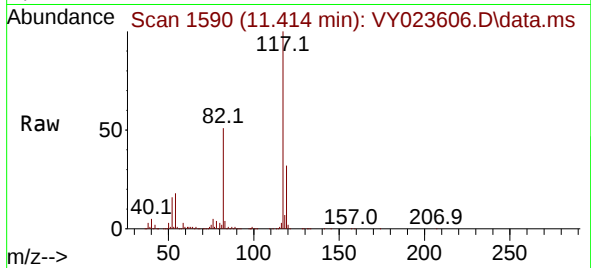




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY023606.D  
Acq: 28 Oct 2025 14:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT3449

Tgt Ion:117 Resp: 1047477  
Ion Ratio Lower Upper  
117 100  
82 51.1 41.0 61.4  
119 31.5 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.347 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VY023606.D  
Acq: 28 Oct 2025 14:59

Tgt Ion:152 Resp: 433541  
Ion Ratio Lower Upper  
152 100  
115 55.4 27.1 81.2  
150 156.2 0.0 347.4

