

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052725\  
 Data File : VY022427.D  
 Acq On : 27 May 2025 11:20  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

Quant Time: May 28 10:53:04 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       | 7.713  | 168   | 355558   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.622  | 114   | 628065   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.420 | 117   | 485021   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 169137   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 178857   | 47.757   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 95.520%  |
| 35) Dibromofluoromethane    | 7.640  | 113   | 184376   | 50.128   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 100.260% |
| 50) Toluene-d8              | 10.109 | 98    | 742004   | 49.486   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 98.980%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 179853   | 39.655   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 79.300%  |

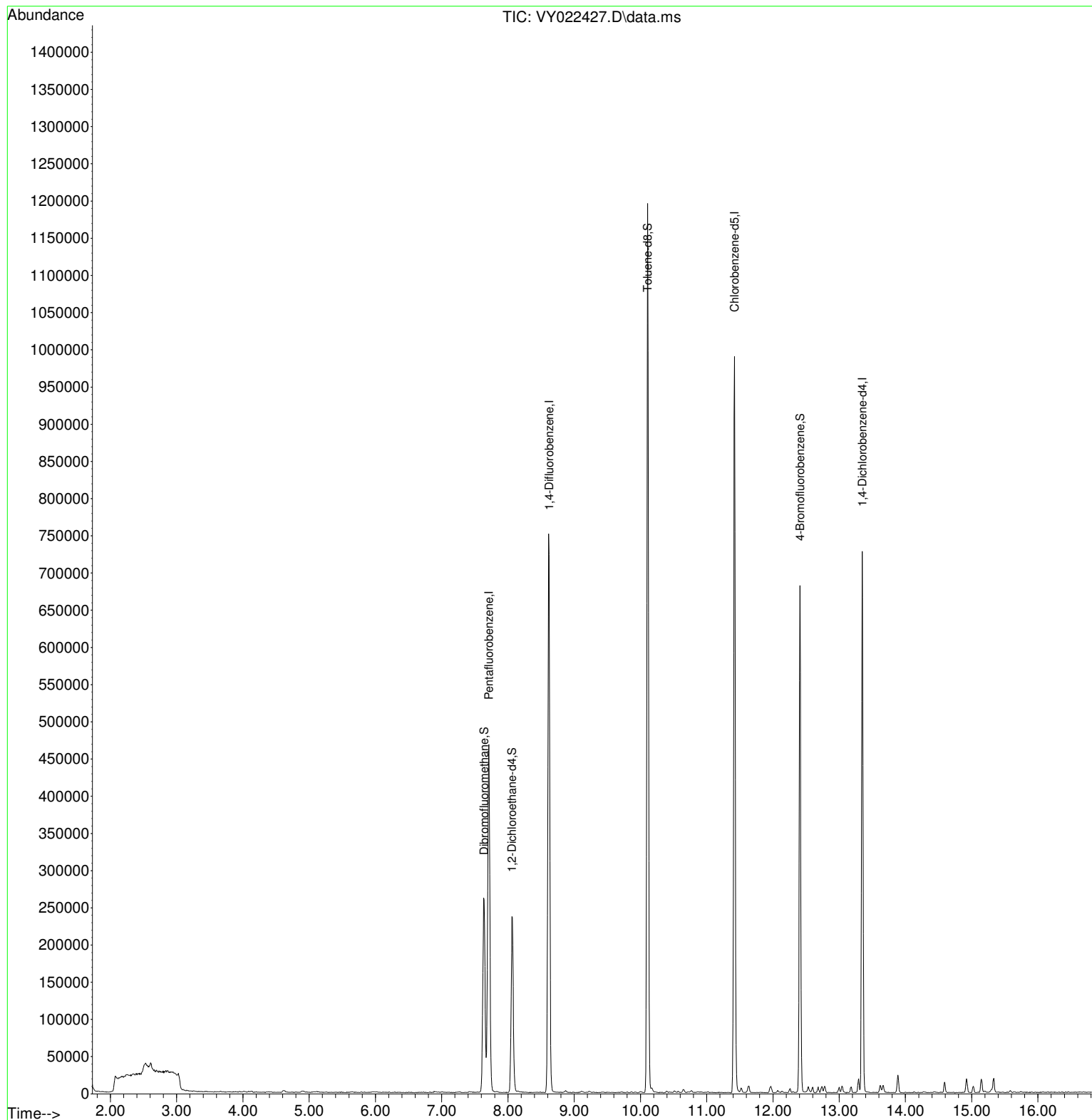
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

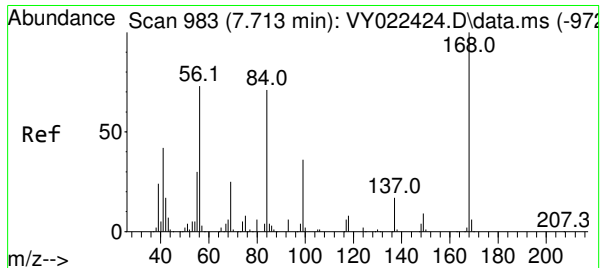
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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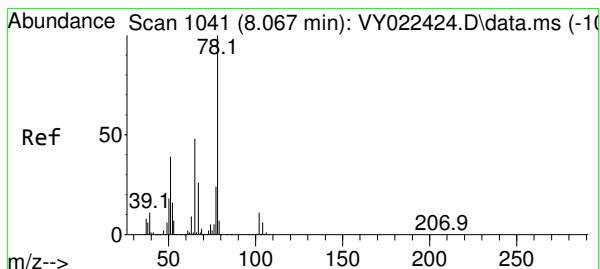
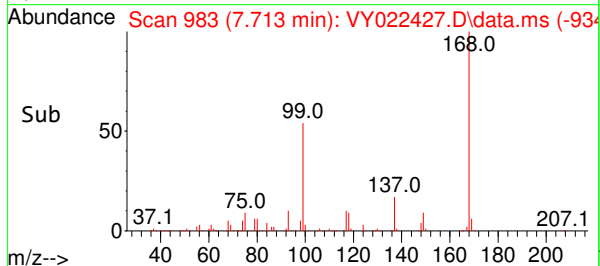
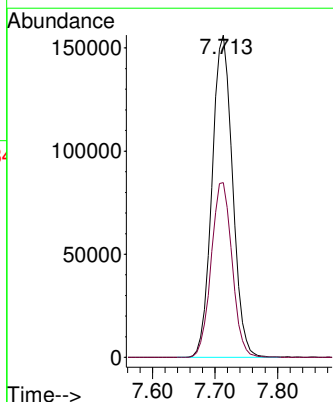
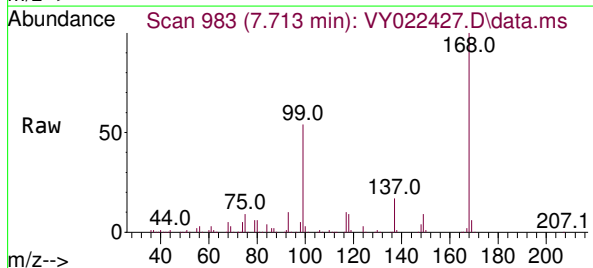




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. 0.000 min  
Lab File: VY022427.D  
Acq: 27 May 2025 11:20

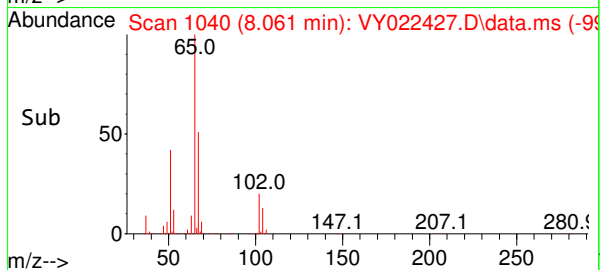
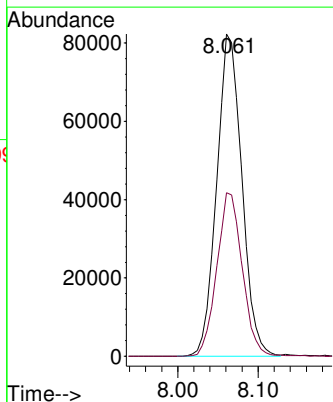
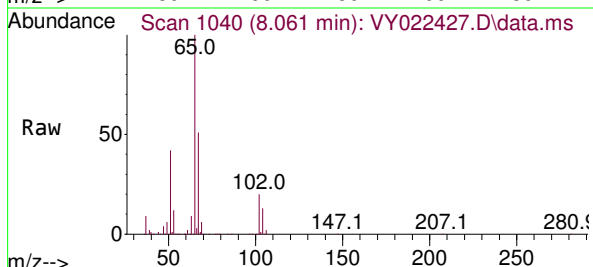
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

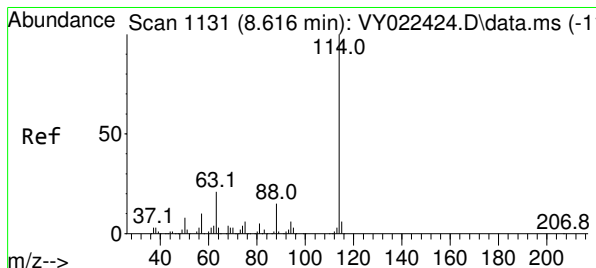
Tgt Ion:168 Resp: 355558  
Ion Ratio Lower Upper  
168 100  
99 54.2 44.7 67.1



#33  
1,2-Dichloroethane-d4  
Concen: 47.757 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.006 min  
Lab File: VY022427.D  
Acq: 27 May 2025 11:20

Tgt Ion: 65 Resp: 178857  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022427.D

Acq: 27 May 2025 11:20

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

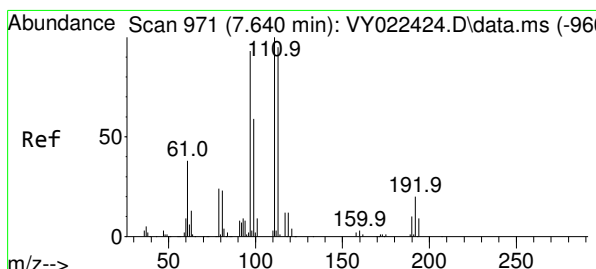
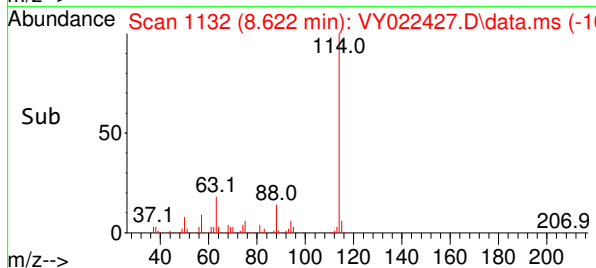
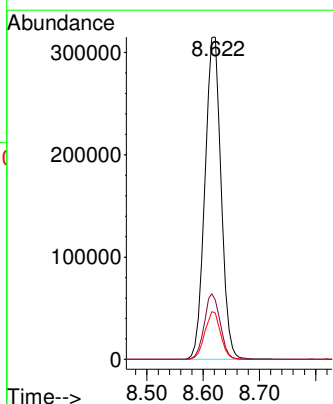
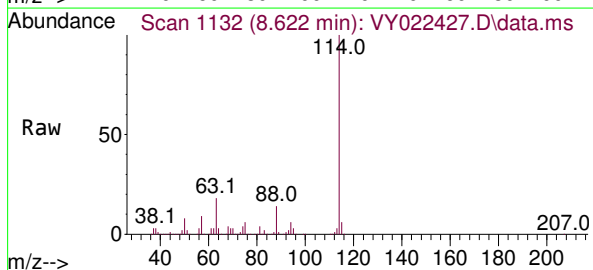
Tgt Ion:114 Resp: 628065

Ion Ratio Lower Upper

114 100

63 18.4 0.0 42.6

88 14.4 0.0 29.4



#35

Dibromofluoromethane

Concen: 50.128 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.000 min

Lab File: VY022427.D

Acq: 27 May 2025 11:20

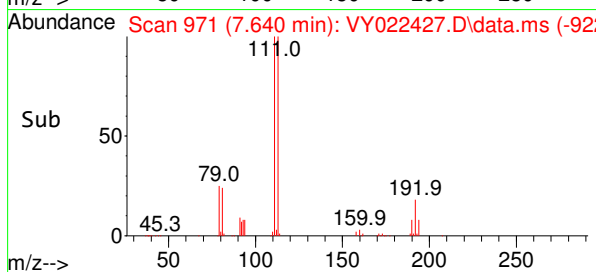
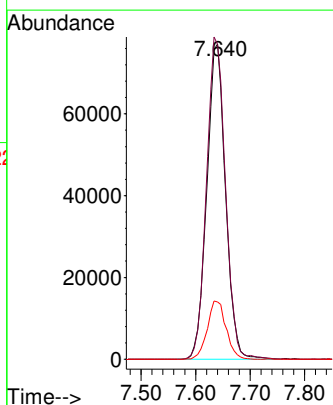
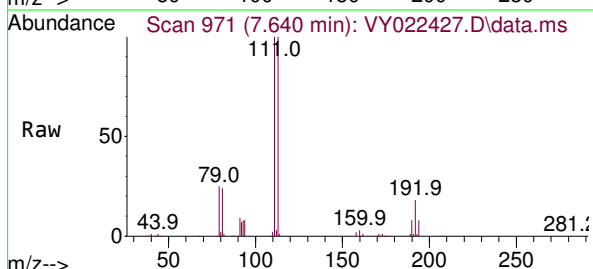
Tgt Ion:113 Resp: 184376

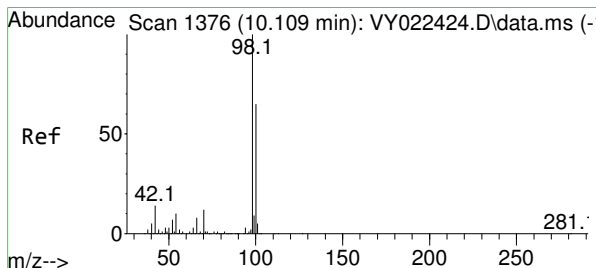
Ion Ratio Lower Upper

113 100

111 103.5 82.4 123.6

192 18.6 15.2 22.8

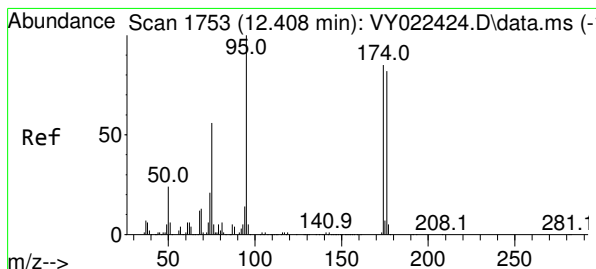
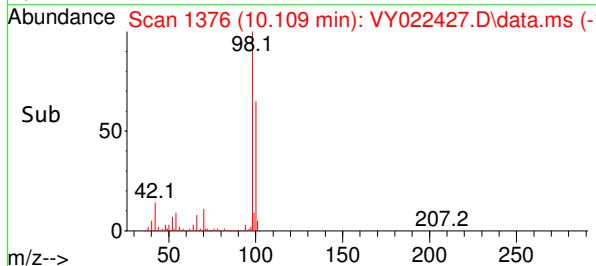
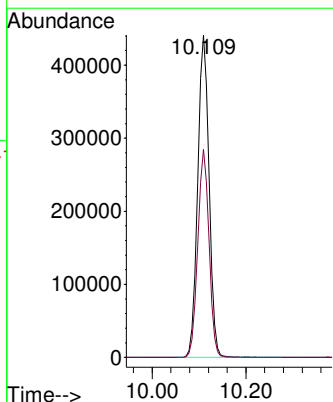
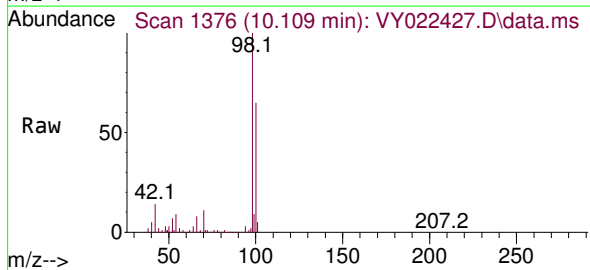




#50  
Toluene-d8  
Concen: 49.486 ug/l  
RT: 10.109 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VY022427.D  
Acq: 27 May 2025 11:20

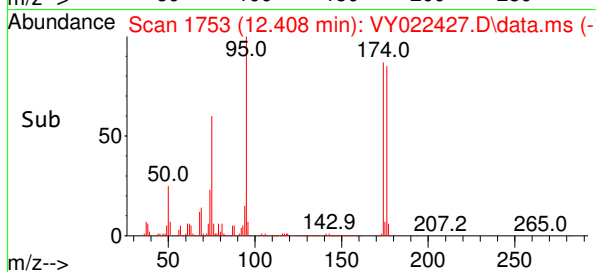
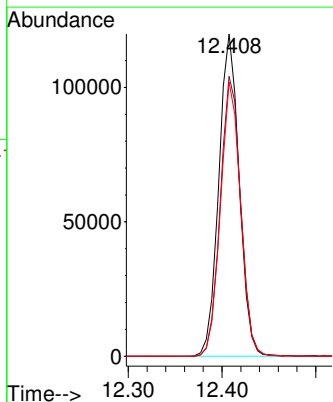
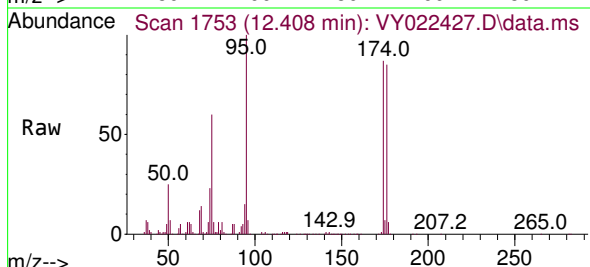
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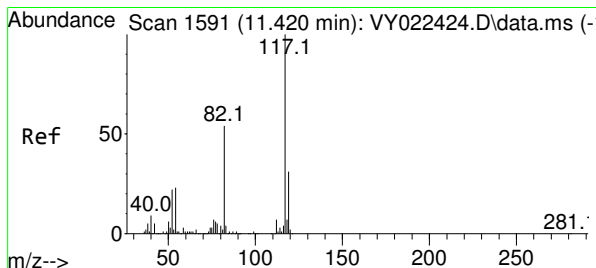
Tgt Ion: 98 Resp: 742004  
Ion Ratio Lower Upper  
98 100  
100 63.8 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 39.655 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY022427.D  
Acq: 27 May 2025 11:20

Tgt Ion: 95 Resp: 179853  
Ion Ratio Lower Upper  
95 100  
174 87.2 0.0 171.6  
176 84.5 0.0 164.6

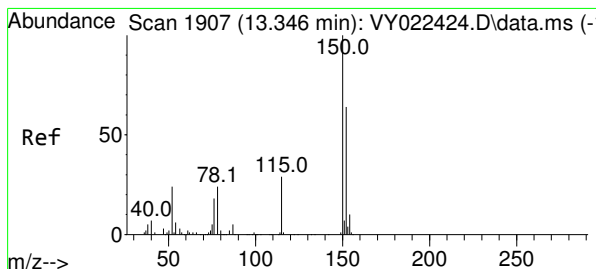
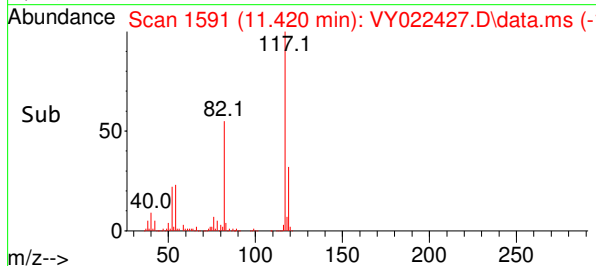
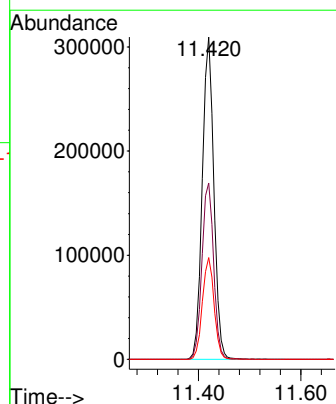
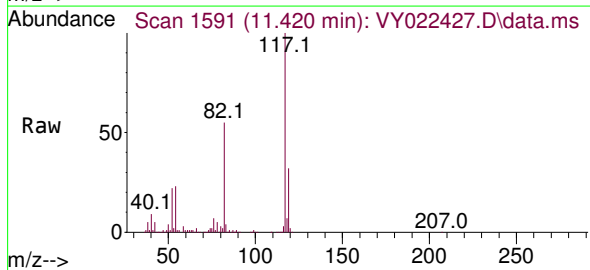




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VY022427.D  
Acq: 27 May 2025 11:20

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 485021 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 54.7  | 43.3  | 64.9   |
| 119      | 31.6  | 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: VY022427.D  
Acq: 27 May 2025 11:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 169137 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 58.7  | 28.4  | 85.3   |
| 150      | 159.9 | 0.0   | 345.8  |

