

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052925\  
 Data File : VY022467.D  
 Acq On : 29 May 2025 15:09  
 Operator : SY/MD  
 Sample : Q2150-08  
 Misc : 5.75g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-52

Quant Time: May 30 05:35:51 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  | 286667   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.621  | 114  | 522350   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 404746   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 132959   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 156210   | 51.734   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 103.460% |
| 35) Dibromofluoromethane    | 7.640  | 113   | 156902   | 51.291   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 102.580% |
| 50) Toluene-d8              | 10.109 | 98    | 623120   | 49.968   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 99.940%  |
| 62) 4-Bromofluorobenzene    | 12.407 | 95    | 146524   | 38.844   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 77.680%  |

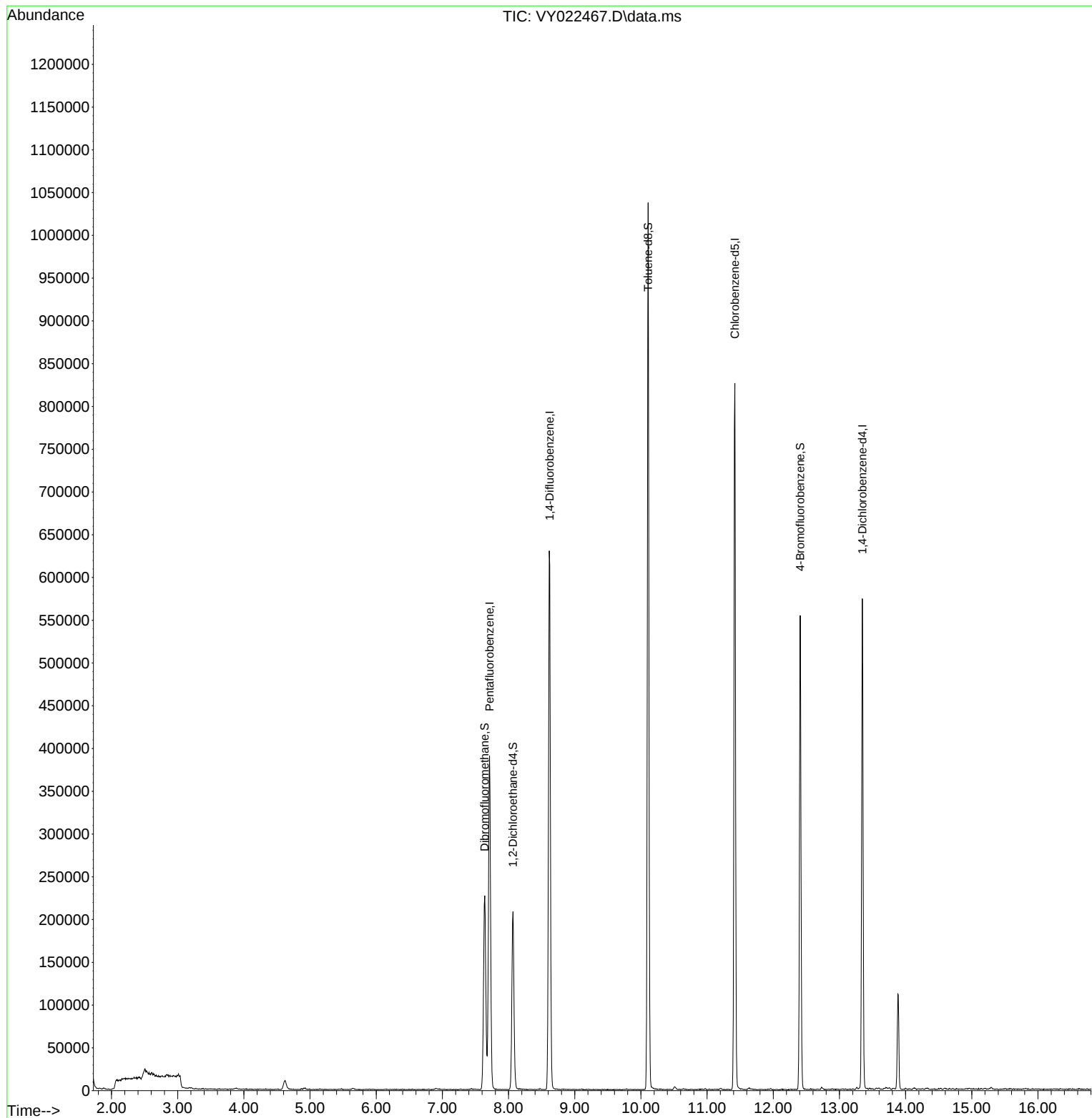
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

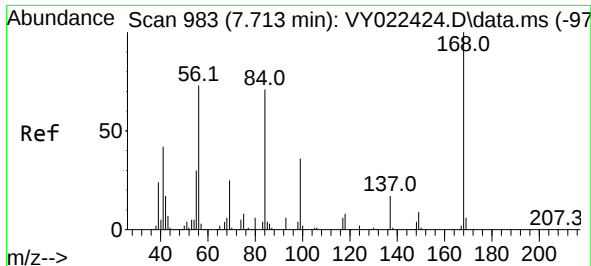
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 28 10:34:06 2025  
Response via : Initial Calibration

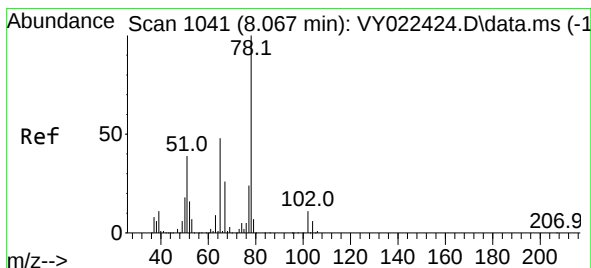
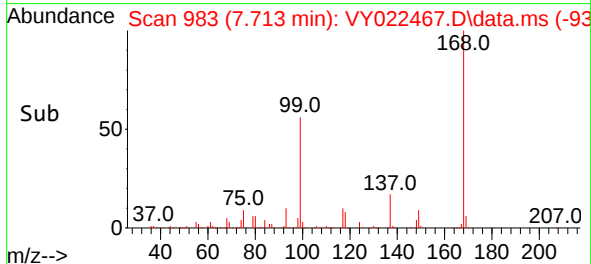
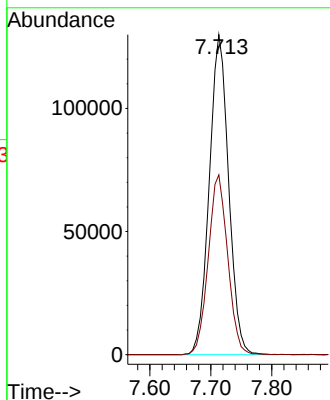
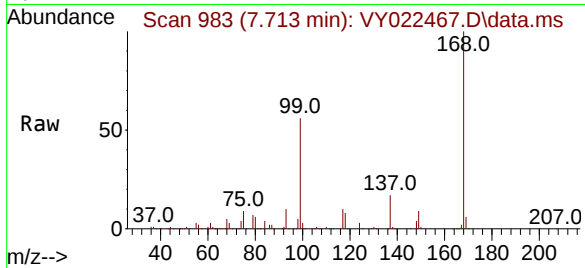




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. 0.000 min  
Lab File: VY022467.D  
Acq: 29 May 2025 15:09

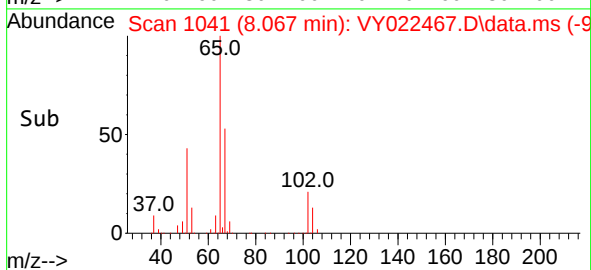
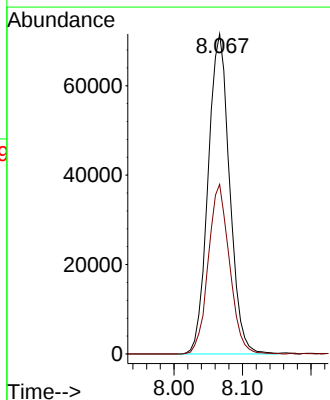
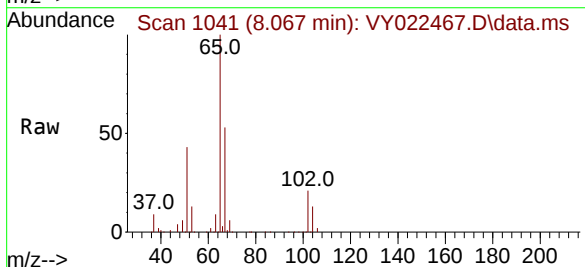
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-52

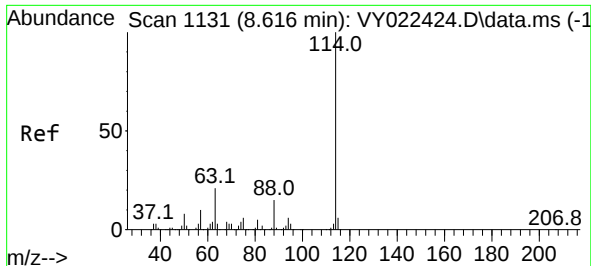
Tgt Ion:168 Resp: 286667  
Ion Ratio Lower Upper  
168 100  
99 56.2 44.7 67.1



#33  
1,2-Dichloroethane-d4  
Concen: 51.734 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. -0.000 min  
Lab File: VY022467.D  
Acq: 29 May 2025 15:09

Tgt Ion: 65 Resp: 156210  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 104.4

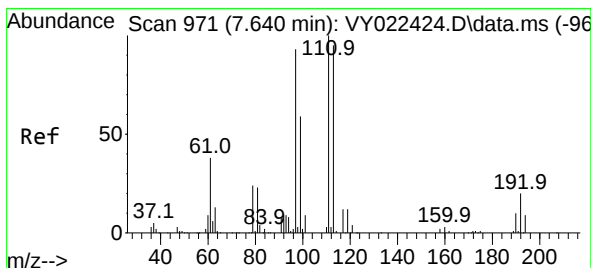
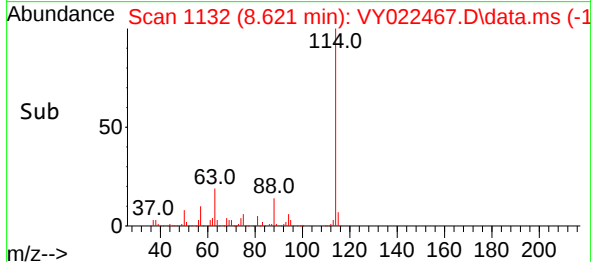
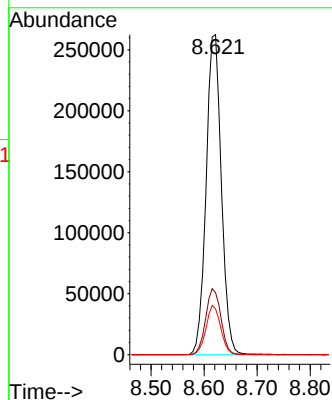
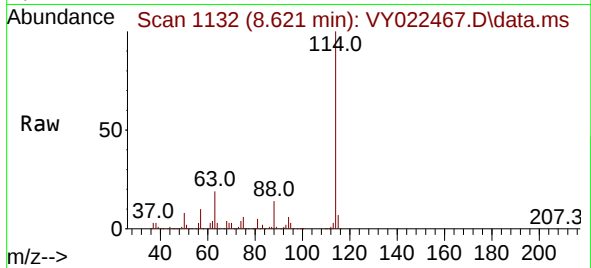




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.621 min Scan# 1131  
Delta R.T. 0.006 min  
Lab File: VY022467.D  
Acq: 29 May 2025 15:09

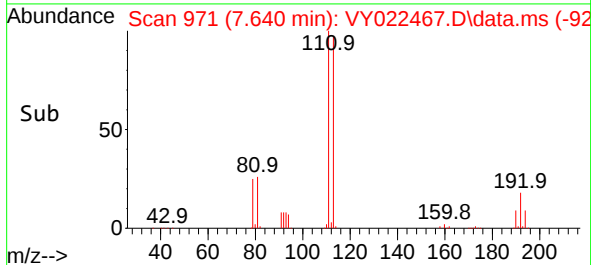
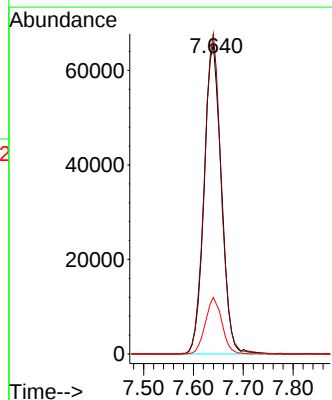
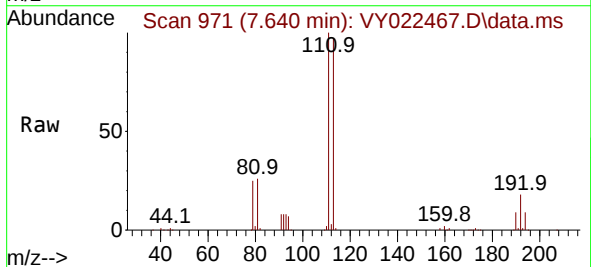
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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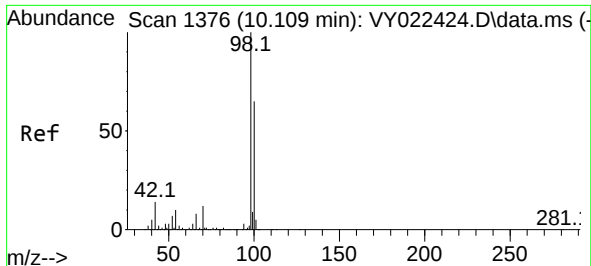
Tgt Ion:114 Resp: 522350  
Ion Ratio Lower Upper  
114 100  
63 19.3 0.0 42.6  
88 14.3 0.0 29.4



#35  
Dibromofluoromethane  
Concen: 51.291 ug/l  
RT: 7.640 min Scan# 971  
Delta R.T. -0.000 min  
Lab File: VY022467.D  
Acq: 29 May 2025 15:09

Tgt Ion:113 Resp: 156902  
Ion Ratio Lower Upper  
113 100  
111 102.4 82.4 123.6  
192 17.6 15.2 22.8

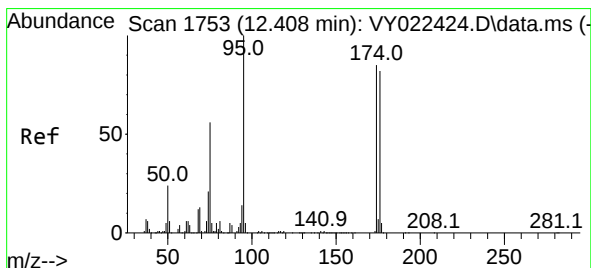
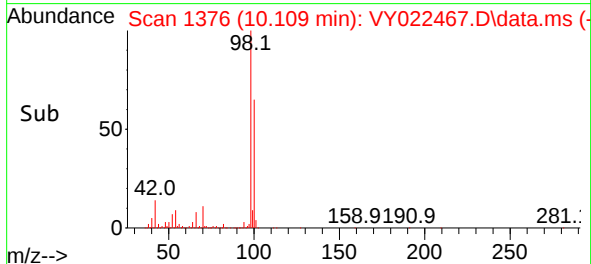
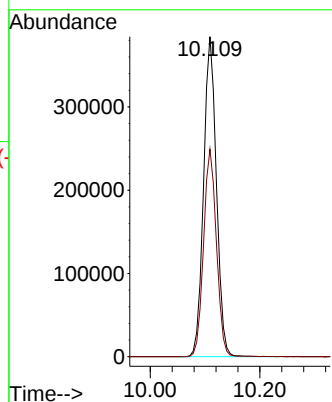
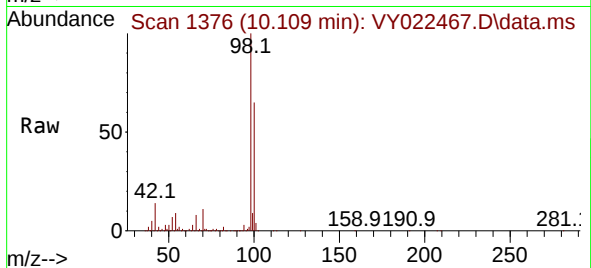




#50  
Toluene-d8  
Concen: 49.968 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY022467.D  
Acq: 29 May 2025 15:09

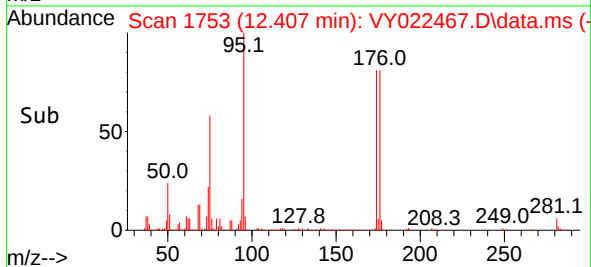
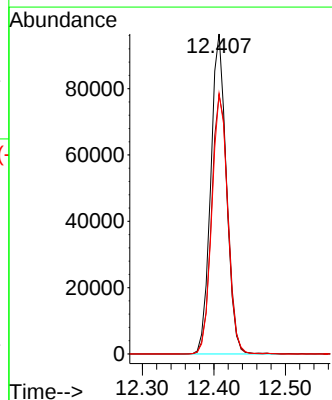
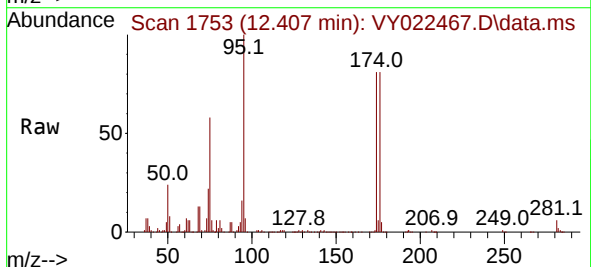
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-52

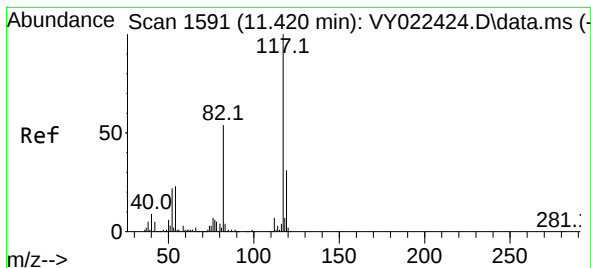
Tgt Ion: 98 Resp: 623120  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 38.844 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. -0.000 min  
Lab File: VY022467.D  
Acq: 29 May 2025 15:09

Tgt Ion: 95 Resp: 146524  
Ion Ratio Lower Upper  
95 100  
174 84.7 0.0 171.6  
176 82.3 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022467.D

Acq: 29 May 2025 15:09

Instrument :

MSVOA\_Y

ClientSampleId :

TP-52

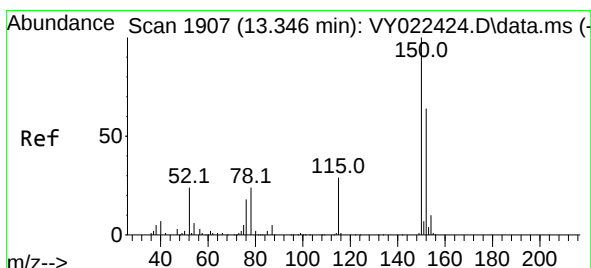
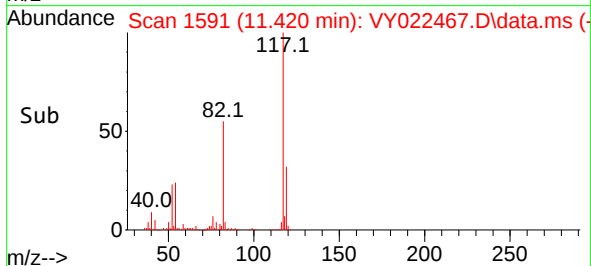
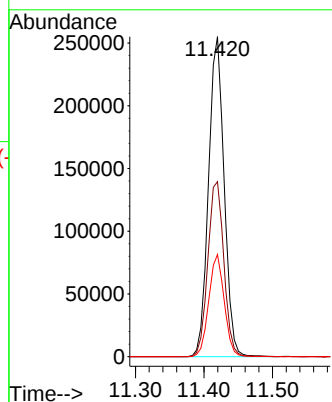
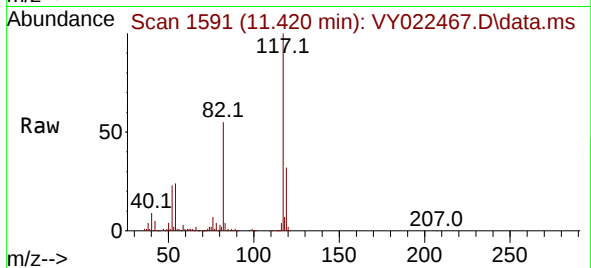
Tgt Ion:117 Resp: 404746

Ion Ratio Lower Upper

117 100

82 54.7 43.3 64.9

119 32.0 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: VY022467.D

Acq: 29 May 2025 15:09

Tgt Ion:152 Resp: 132959

Ion Ratio Lower Upper

152 100

115 57.0 28.4 85.3

150 155.0 0.0 345.8

