

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110625\  
 Data File : VY023693.D  
 Acq On : 06 Nov 2025 09:13  
 Operator : SY/MD  
 Sample : VY1106SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1106SBL01

Quant Time: Nov 07 04:12:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110425S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 05 04:41:50 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 739742   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 1301529  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 1087747  | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 415434   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 376910   | 59.731   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 119.460% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 416456   | 51.201   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 102.400% |
| 50) Toluene-d8              | 10.109 | 98    | 1479065  | 48.816   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 97.640%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 410618   | 41.907   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 83.820%  |

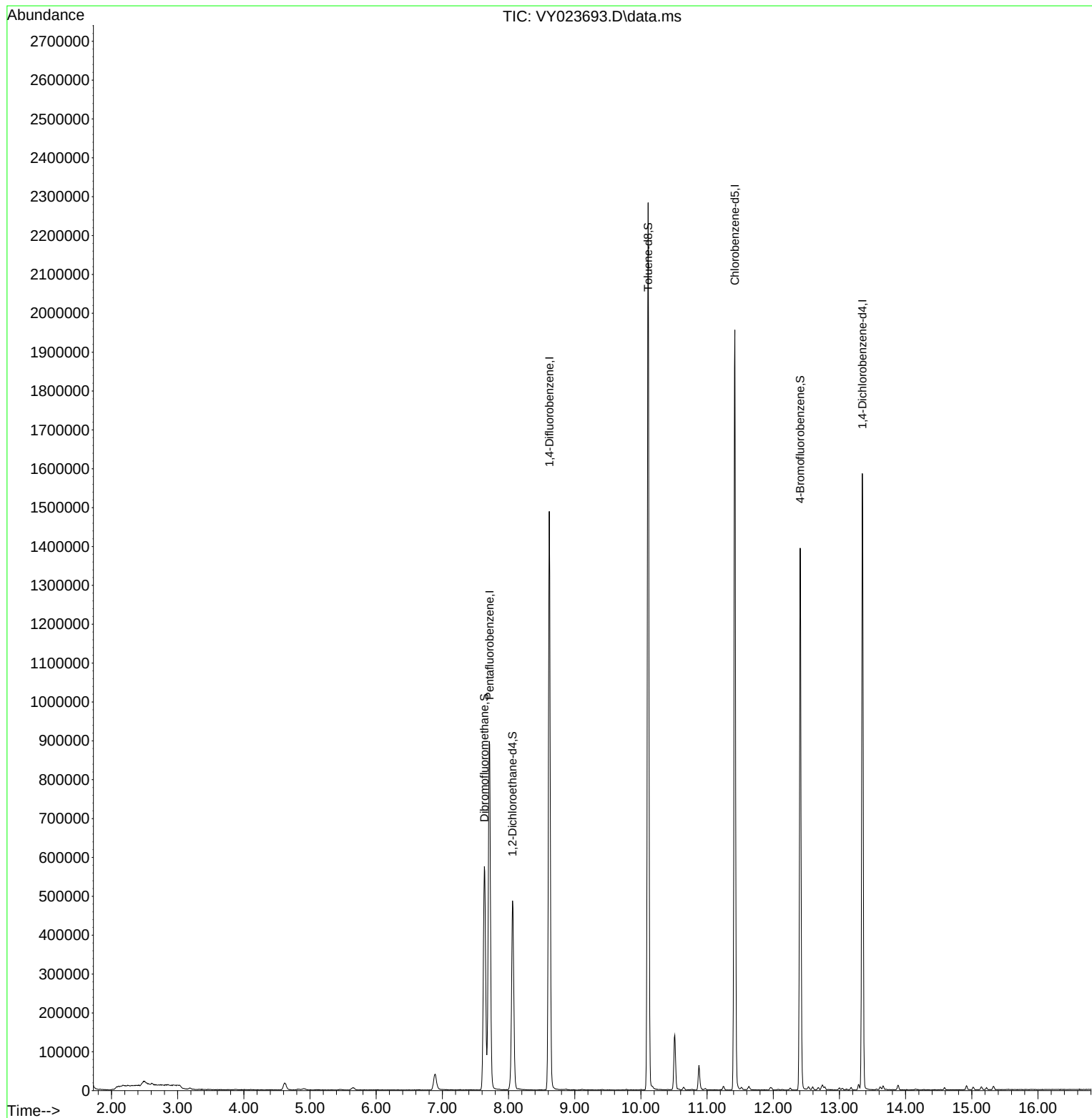
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

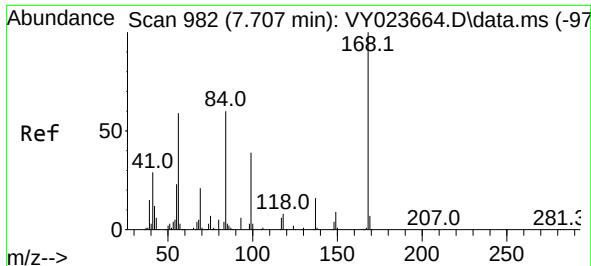
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 05 04:41:50 2025  
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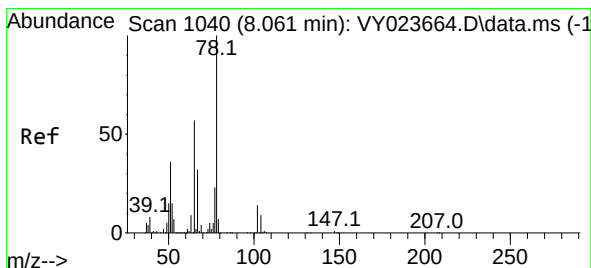
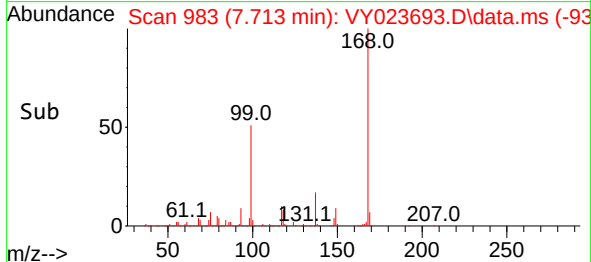
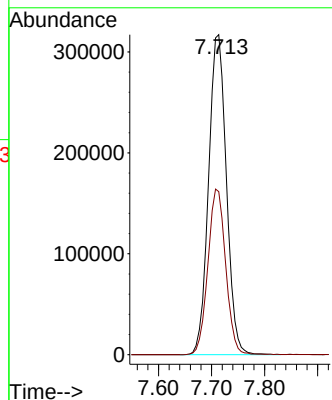
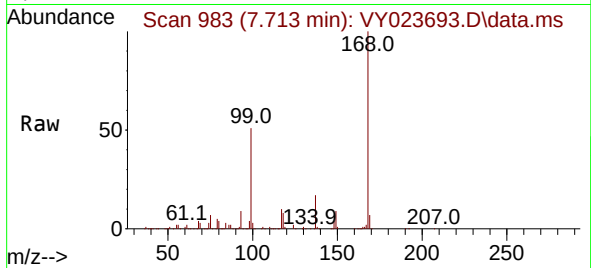




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: VY023693.D  
Acq: 06 Nov 2025 09:13

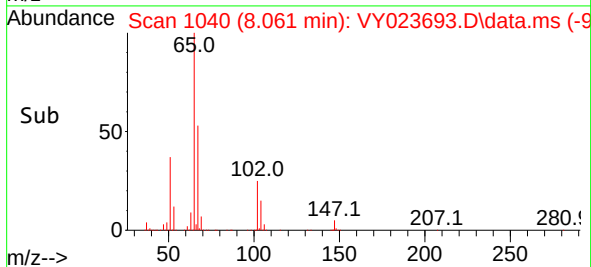
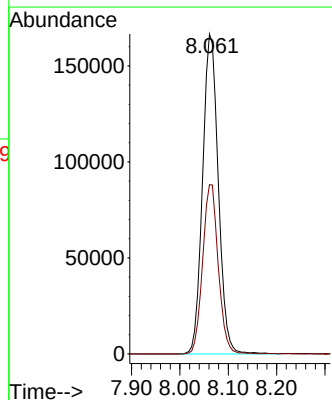
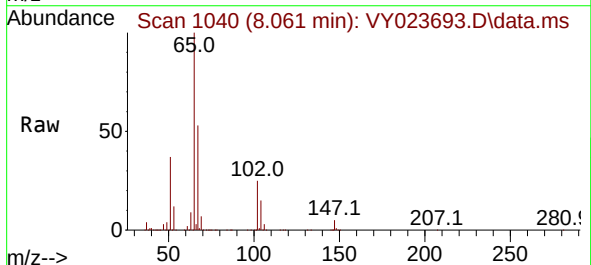
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1106SBL01

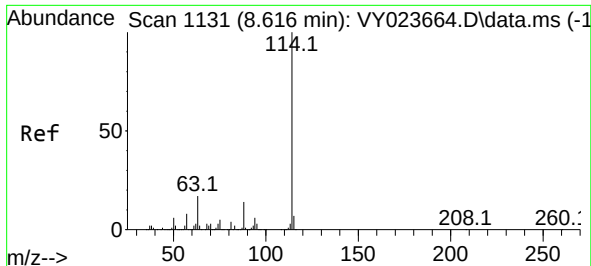
Tgt Ion:168 Resp: 739742  
Ion Ratio Lower Upper  
168 100  
99 51.0 41.0 61.4



#33  
1,2-Dichloroethane-d4  
Concen: 59.731 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY023693.D  
Acq: 06 Nov 2025 09:13

Tgt Ion: 65 Resp: 376910  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023693.D

Acq: 06 Nov 2025 09:13

Instrument :

MSVOA\_Y

ClientSampleId :

VY1106SBL01

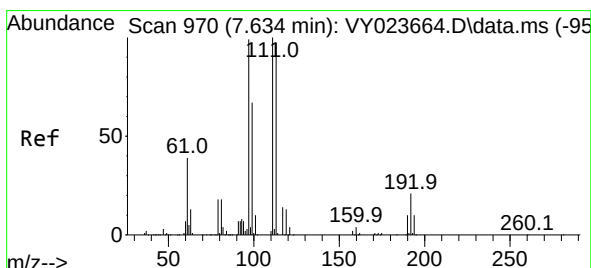
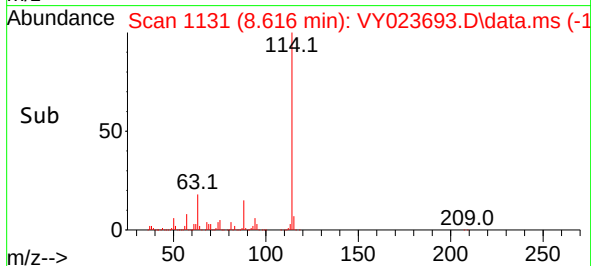
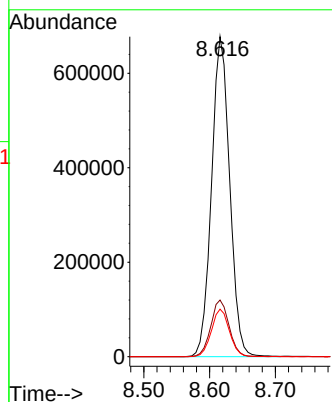
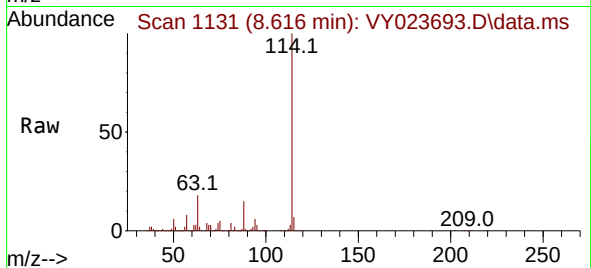
Tgt Ion:114 Resp: 1301529

Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.8

88 14.8 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.201 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY023693.D

Acq: 06 Nov 2025 09:13

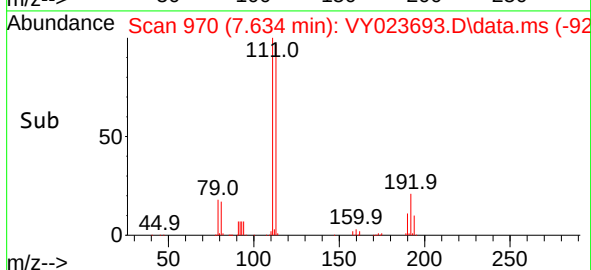
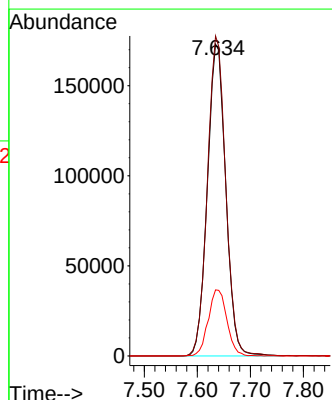
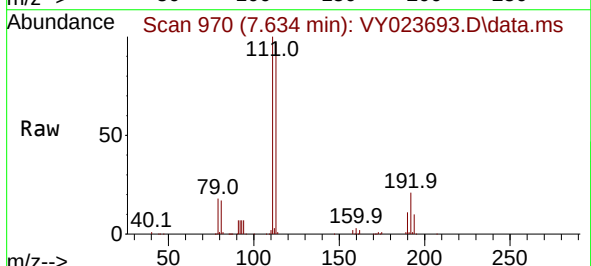
Tgt Ion:113 Resp: 416456

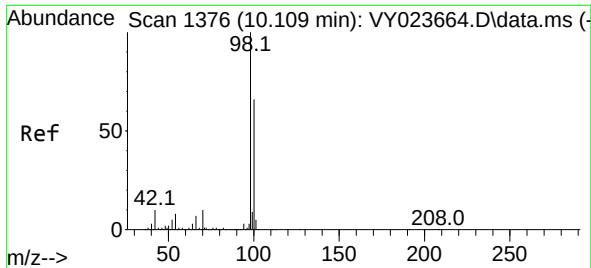
Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

192 21.6 17.3 25.9

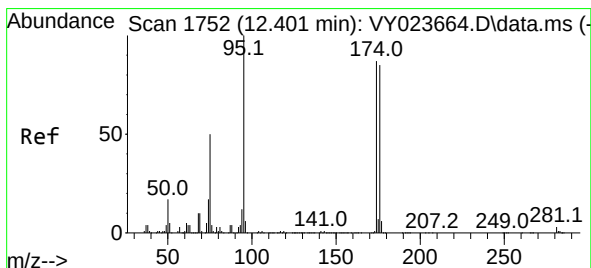
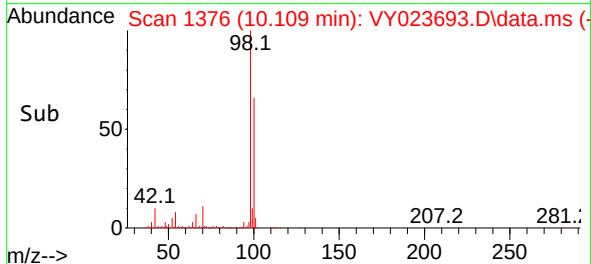
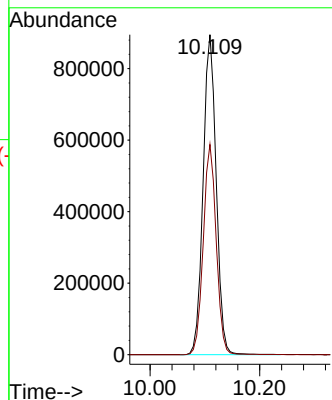
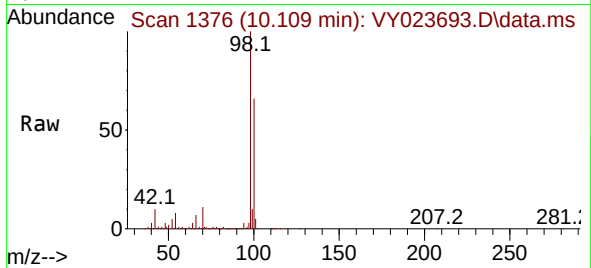




#50  
Toluene-d8  
Concen: 48.816 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY023693.D  
Acq: 06 Nov 2025 09:13

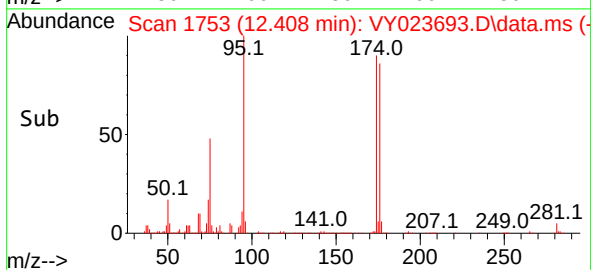
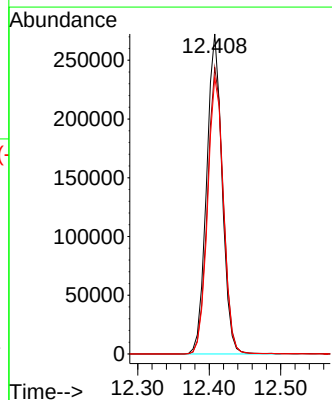
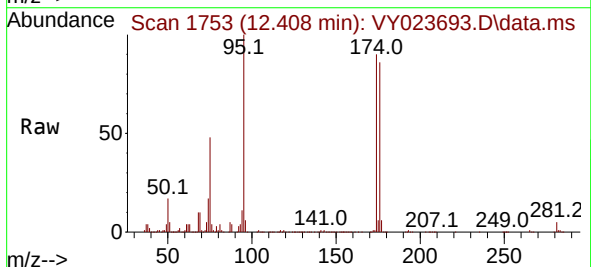
Instrument :  
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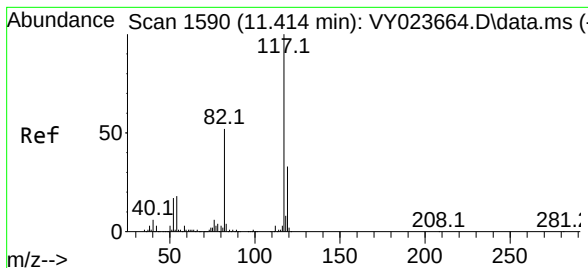
Tgt Ion: 98 Resp: 1479065  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.7 79.1



#62  
4-Bromofluorobenzene  
Concen: 41.907 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY023693.D  
Acq: 06 Nov 2025 09:13

Tgt Ion: 95 Resp: 410618  
Ion Ratio Lower Upper  
95 100  
174 92.0 0.0 184.8  
176 88.2 0.0 181.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023693.D

Acq: 06 Nov 2025 09:13

Instrument :

MSVOA\_Y

ClientSampleId :

VY1106SBL01

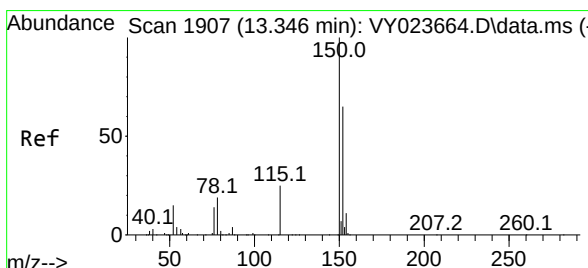
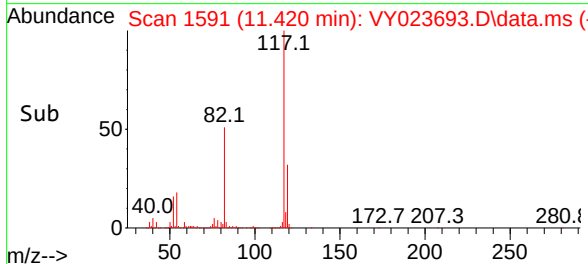
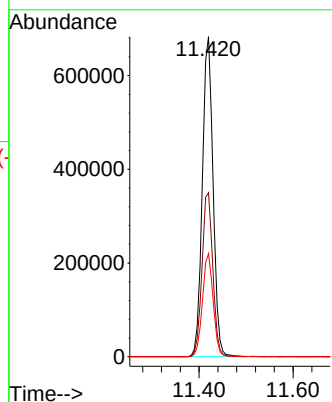
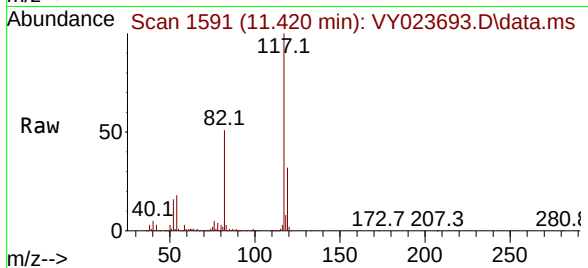
Tgt Ion:117 Resp: 1087747

Ion Ratio Lower Upper

117 100

82 51.3 41.2 61.8

119 32.2 26.2 39.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023693.D

Acq: 06 Nov 2025 09:13

Tgt Ion:152 Resp: 415434

Ion Ratio Lower Upper

152 100

115 56.7 27.5 82.5

150 158.3 0.0 349.0

