

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072125\  
 Data File : VY023026.D  
 Acq On : 21 Jul 2025 15:00  
 Operator : SY/MD  
 Sample : Q2649-11  
 Misc : 4.05g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-3-VOC

Quant Time: Jul 22 04:52:24 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071825S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 19 01:50:49 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 276535   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 541908   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 550986   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.340 | 152  | 258431   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 173582   | 62.006   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 124.020% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 175426   | 51.033   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 102.060% |
| 50) Toluene-d8              | 10.103 | 98    | 680118   | 49.892   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 99.780%  |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 247673   | 57.718   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 115.440% |

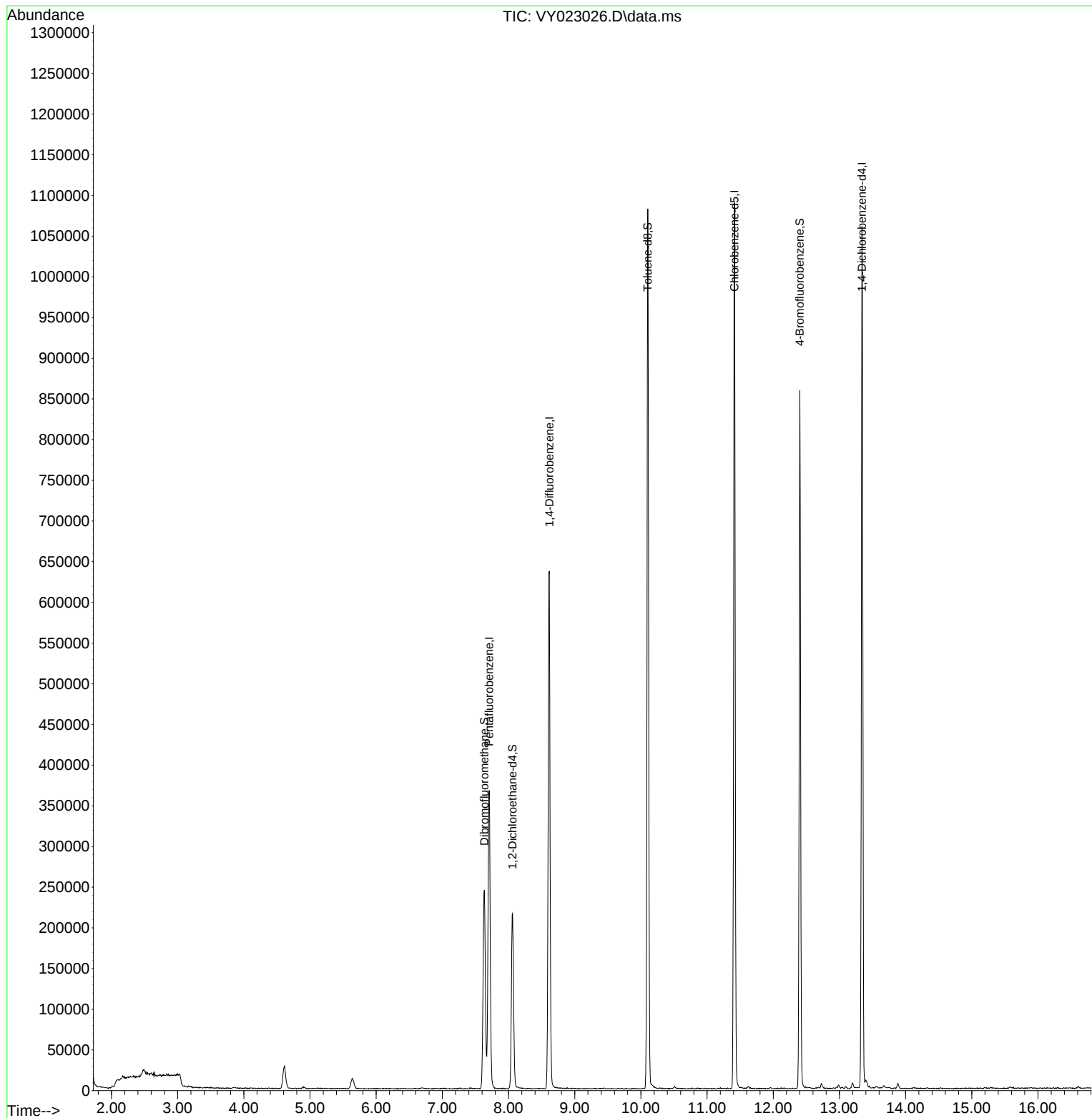
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

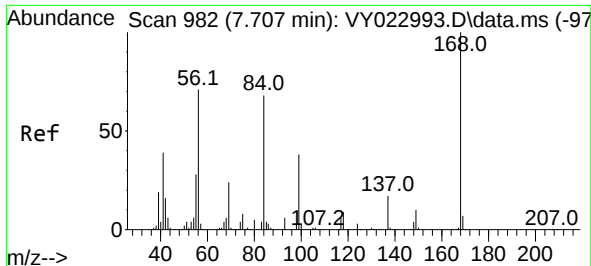
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : Q2649-11  
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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
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WC-3-VOC

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071825S.M  
Quant Title : SW846 8260  
QLast Update : Sat Jul 19 01:50:49 2025  
Response via : Initial Calibration

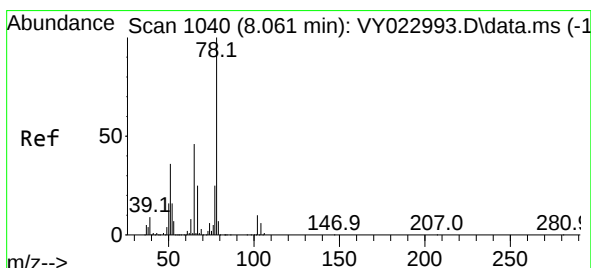
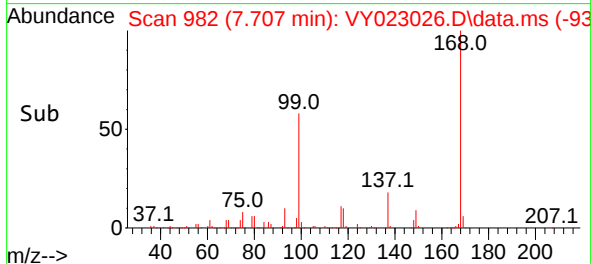
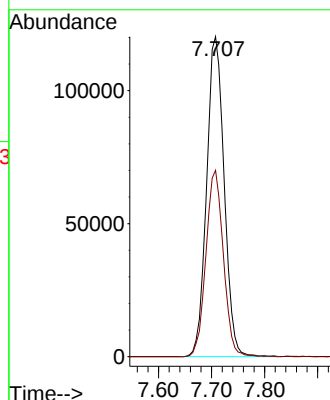
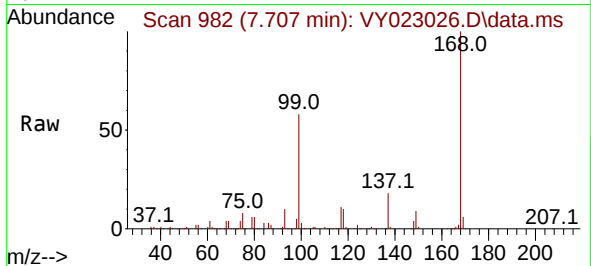




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY023026.D  
Acq: 21 Jul 2025 15:00

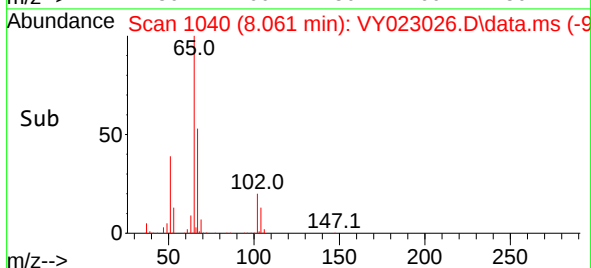
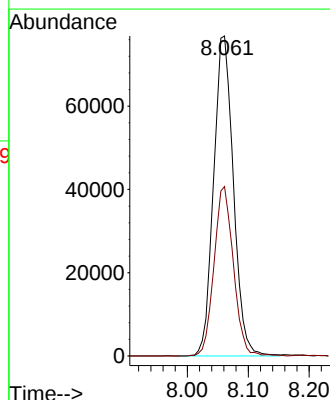
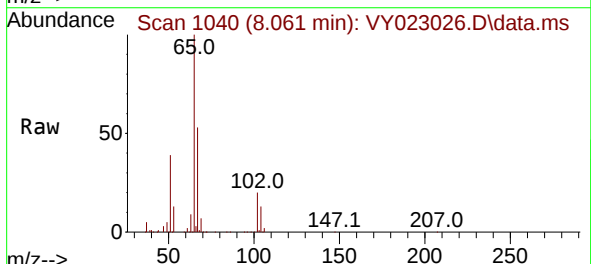
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-3-VOC

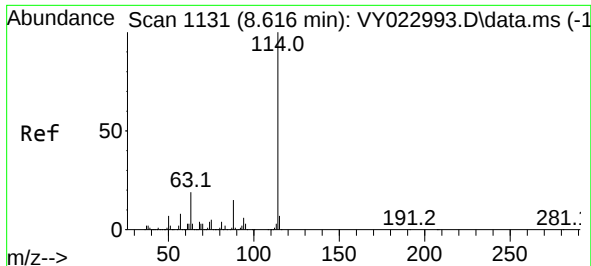
Tgt Ion:168 Resp: 276535  
Ion Ratio Lower Upper  
168 100  
99 58.2 44.4 66.6



#33  
1,2-Dichloroethane-d4  
Concen: 62.006 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY023026.D  
Acq: 21 Jul 2025 15:00

Tgt Ion: 65 Resp: 173582  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 107.4

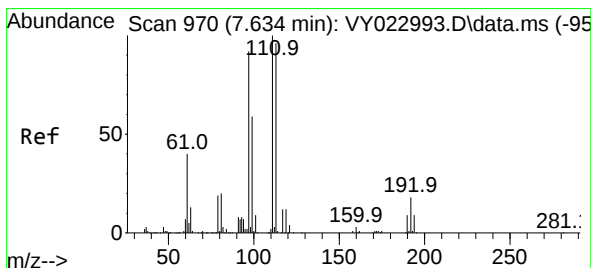
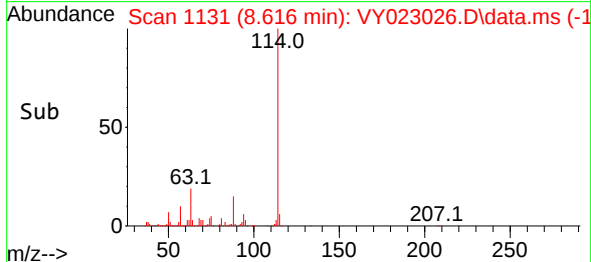
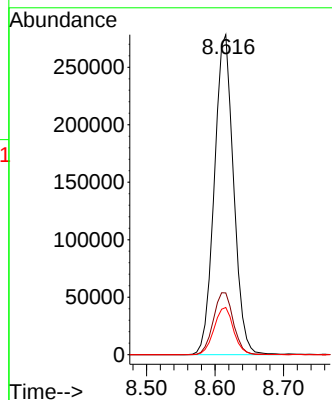
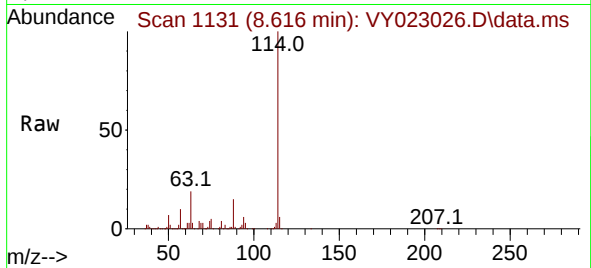




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VY023026.D  
Acq: 21 Jul 2025 15:00

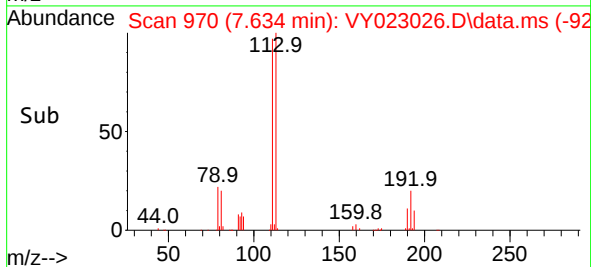
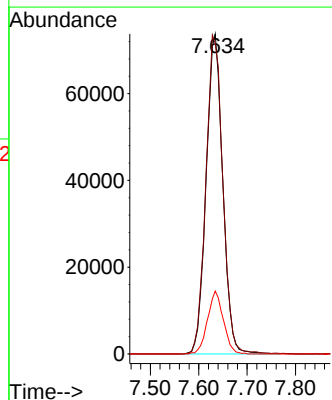
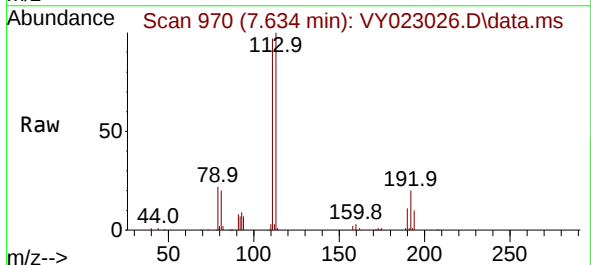
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ClientSampleId :  
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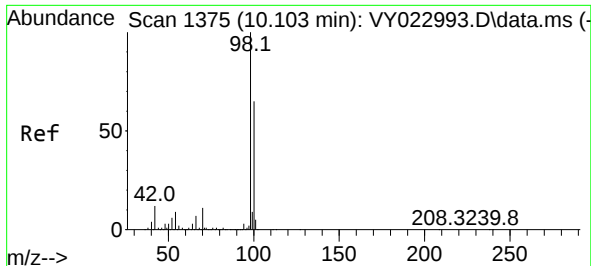
Tgt Ion:114 Resp: 541908  
Ion Ratio Lower Upper  
114 100  
63 19.3 0.0 38.8  
88 14.7 0.0 30.2



#35  
Dibromofluoromethane  
Concen: 51.033 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.000 min  
Lab File: VY023026.D  
Acq: 21 Jul 2025 15:00

Tgt Ion:113 Resp: 175426  
Ion Ratio Lower Upper  
113 100  
111 101.9 83.2 124.8  
192 18.8 15.3 22.9

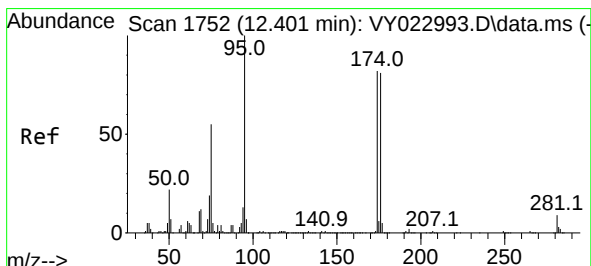
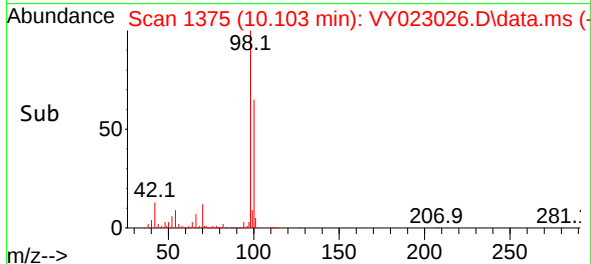
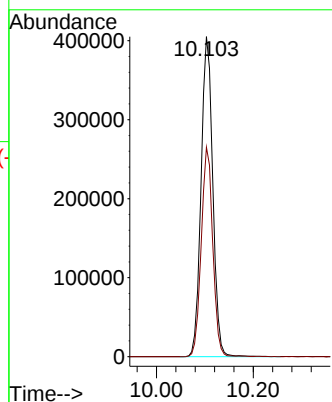
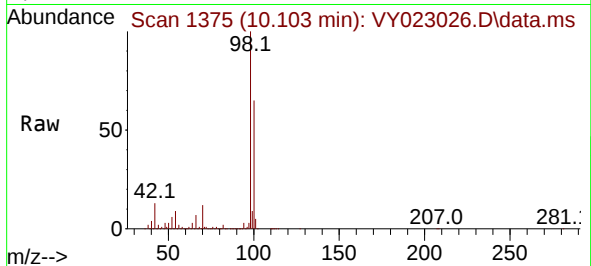




#50  
Toluene-d8  
Concen: 49.892 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. 0.000 min  
Lab File: VY023026.D  
Acq: 21 Jul 2025 15:00

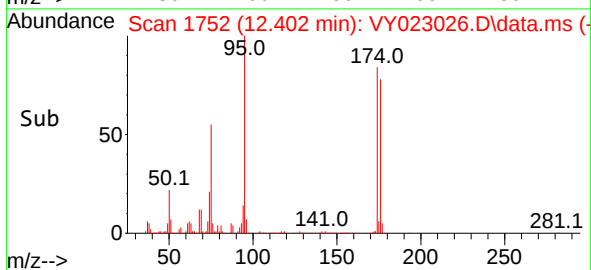
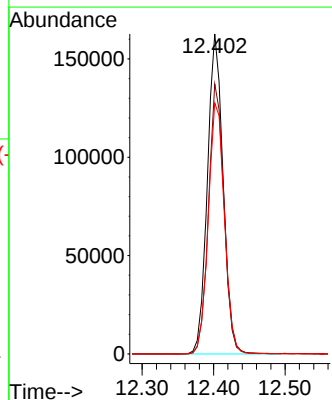
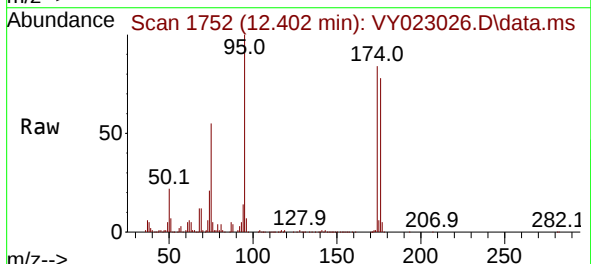
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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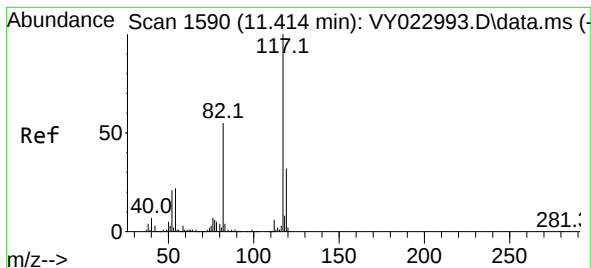
Tgt Ion: 98 Resp: 680118  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 57.718 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. 0.000 min  
Lab File: VY023026.D  
Acq: 21 Jul 2025 15:00

Tgt Ion: 95 Resp: 247673  
Ion Ratio Lower Upper  
95 100  
174 84.2 0.0 170.8  
176 80.5 0.0 163.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023026.D

Acq: 21 Jul 2025 15:00

Instrument :

MSVOA\_Y

ClientSampleId :

WC-3-VOC

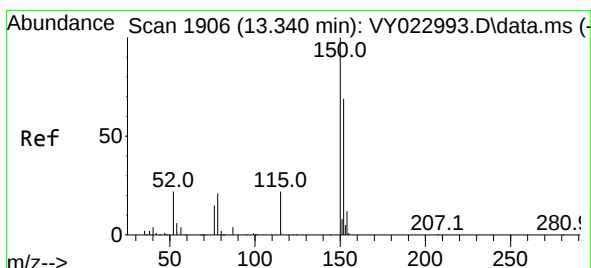
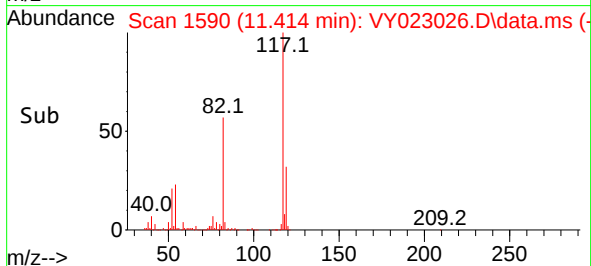
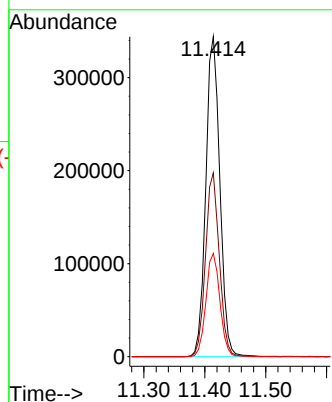
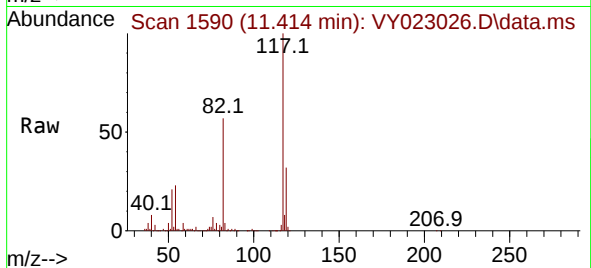
Tgt Ion:117 Resp: 550986

Ion Ratio Lower Upper

117 100

82 57.5 44.3 66.5

119 32.2 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023026.D

Acq: 21 Jul 2025 15:00

Tgt Ion:152 Resp: 258431

Ion Ratio Lower Upper

152 100

115 57.7 29.4 88.2

150 155.3 0.0 350.0

