

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011725\  
 Data File : VY020853.D  
 Acq On : 17 Jan 2025 14:23  
 Operator : SY/MD  
 Sample : Q1115-09  
 Misc : 3.54g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 72-11995-VOC

Quant Time: Jan 17 23:25:59 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010625S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 07 01:31:46 2025  
 Response via : Initial Calibration

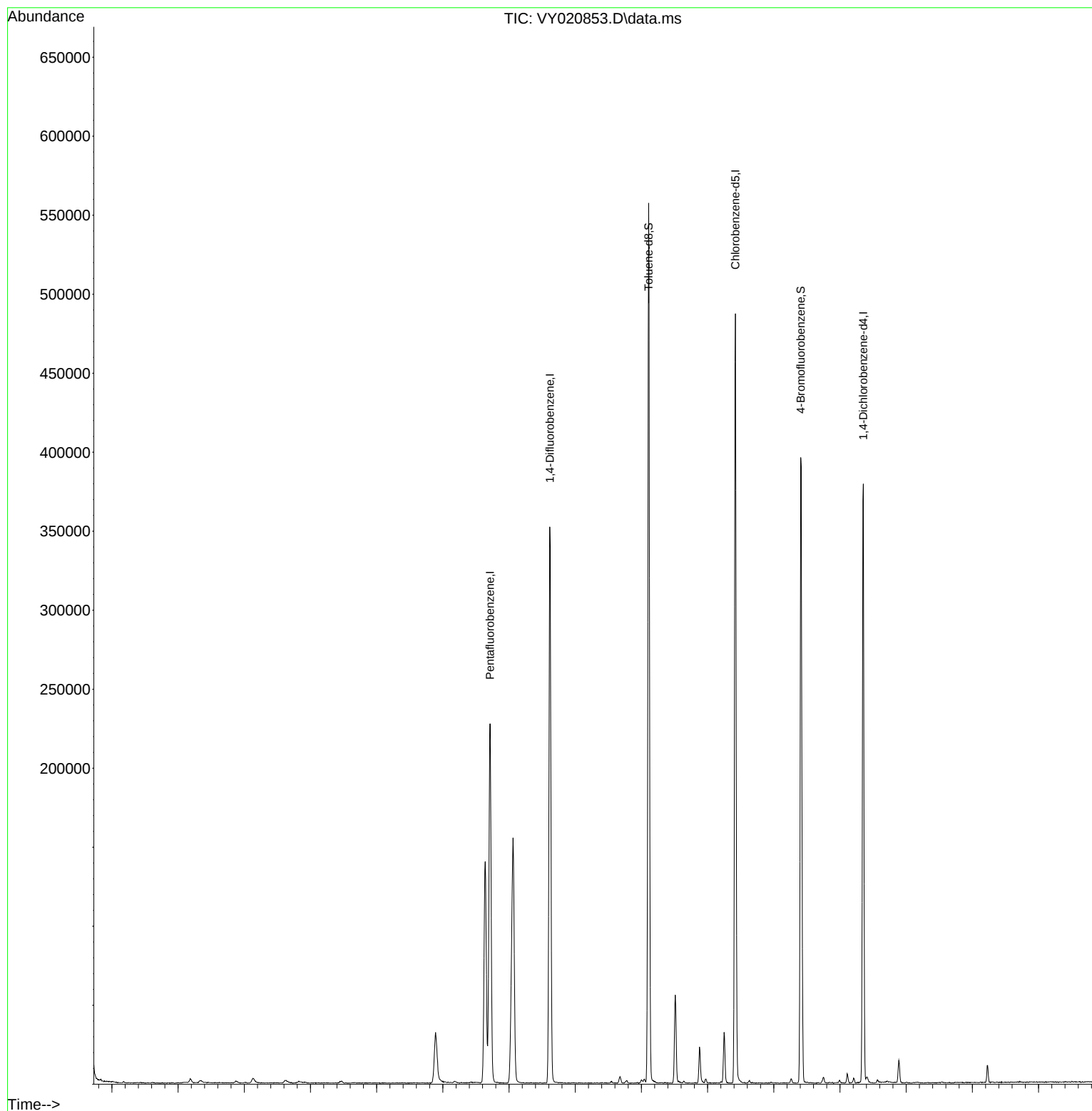
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.713  | 168   | 184986   | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 317759   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.420 | 117   | 272507   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.353 | 152   | 103193   | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 92701    | 58.958   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 117.920%  |
| 35) Dibromofluoromethane    | 7.640  | 113   | 101076   | 50.773   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 101.540%  |
| 50) Toluene-d8              | 10.109 | 98    | 370295   | 53.359   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 106.720%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 110437   | 43.094   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =     | 86.180%   |
| Target Compounds            |        |       |          |          |       |           |
| 51) 4-Methyl-2-Pentanone    | 9.999  | 43    | 1400     | 1.363    | ug/l  | Qvalue 90 |
| -----                       |        |       |          |          |       |           |

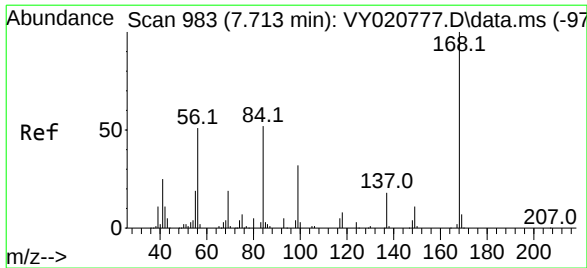
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-11995-VOC

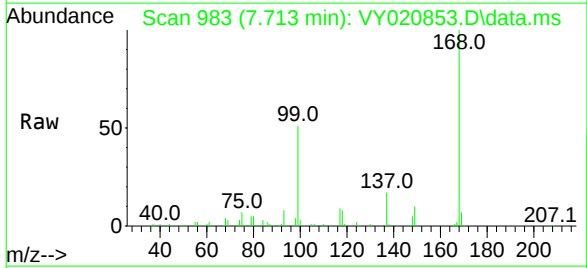
Quant Time: Jan 17 23:25:59 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010625S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 07 01:31:46 2025  
Response via : Initial Calibration



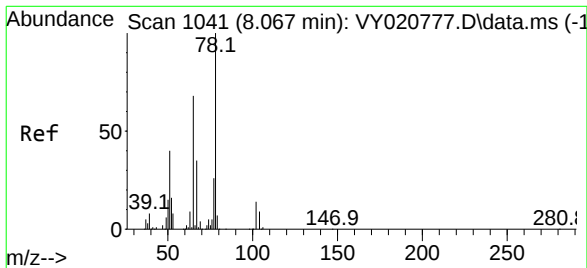
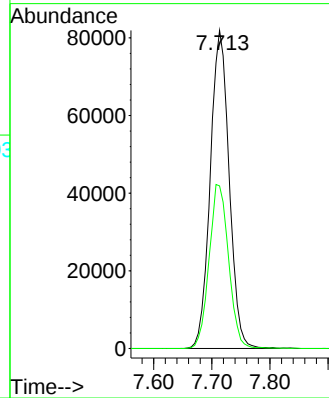
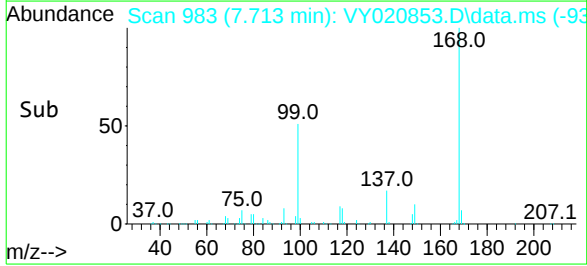


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. 0.000 min  
Lab File: VY020853.D  
Acq: 17 Jan 2025 14:23

Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-11995-VOC

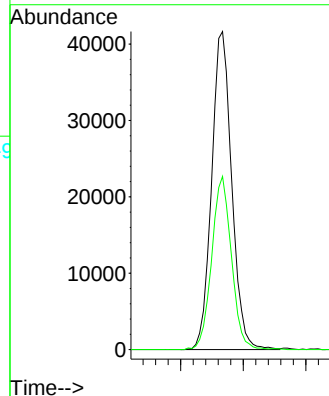
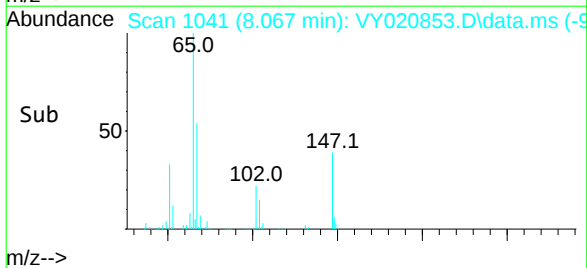
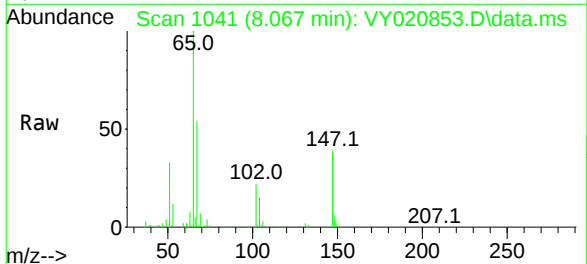


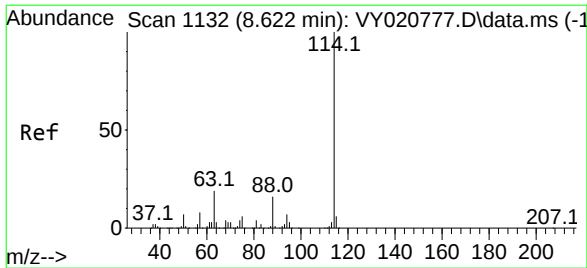
Tgt Ion:168 Resp: 184986  
Ion Ratio Lower Upper  
168 100  
99 51.1 44.3 66.5



#33  
1,2-Dichloroethane-d4  
Concen: 58.958 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. -0.000 min  
Lab File: VY020853.D  
Acq: 17 Jan 2025 14:23

Tgt Ion: 65 Resp: 92701  
Ion Ratio Lower Upper  
65 100  
67 53.4 0.0 102.8

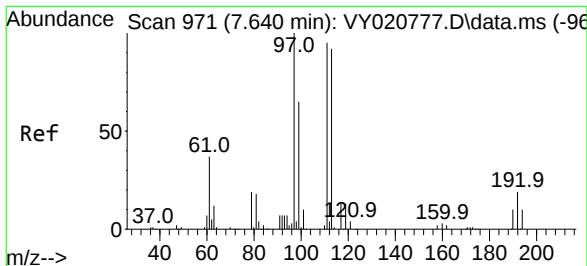
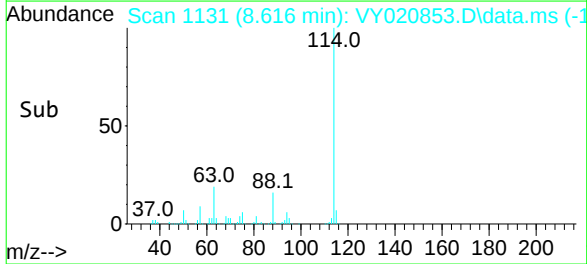
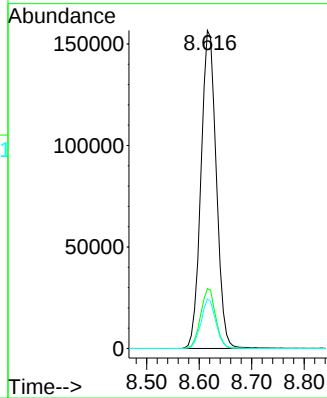
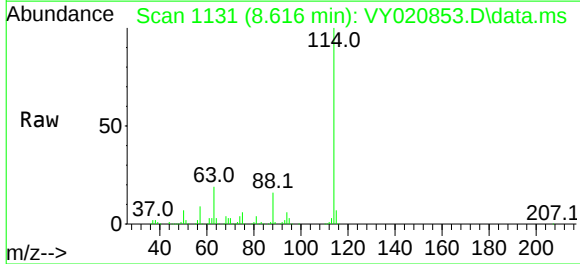




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 111  
Delta R.T. -0.006 min  
Lab File: VY020853.D  
Acq: 17 Jan 2025 14:23

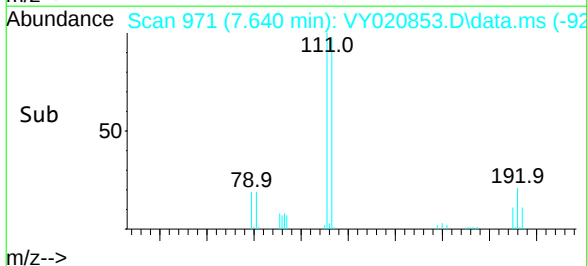
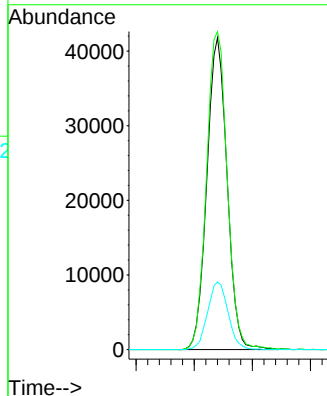
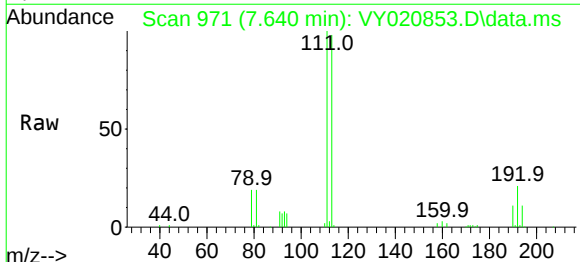
Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-11995-VOC

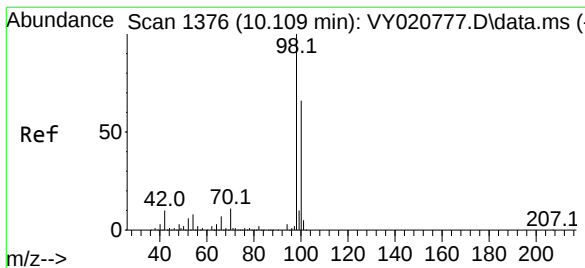
Tgt Ion:114 Resp: 317759  
Ion Ratio Lower Upper  
114 100  
63 18.8 0.0 38.4  
88 15.6 0.0 31.2



#35  
Dibromofluoromethane  
Concen: 50.773 ug/l  
RT: 7.640 min Scan# 971  
Delta R.T. -0.000 min  
Lab File: VY020853.D  
Acq: 17 Jan 2025 14:23

Tgt Ion:113 Resp: 101076  
Ion Ratio Lower Upper  
113 100  
111 104.5 81.7 122.5  
192 22.0 16.7 25.1





#50

Toluene-d8

Concen: 53.359 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY020853.D

Acq: 17 Jan 2025 14:23

Instrument :

MSVOA\_Y

ClientSampleId :

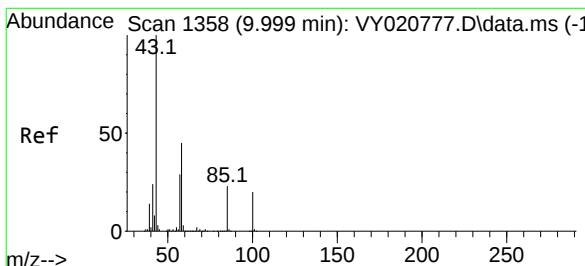
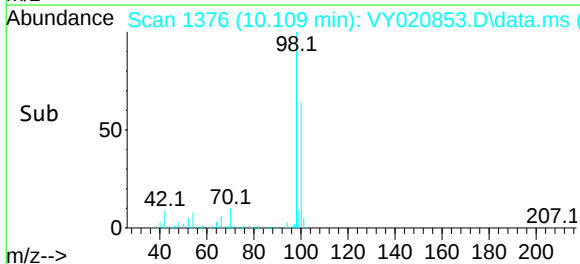
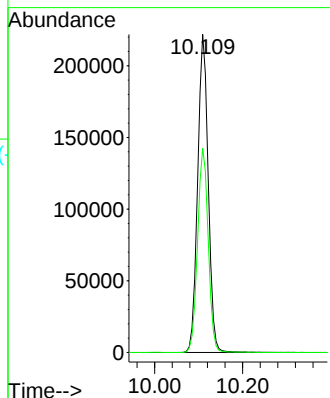
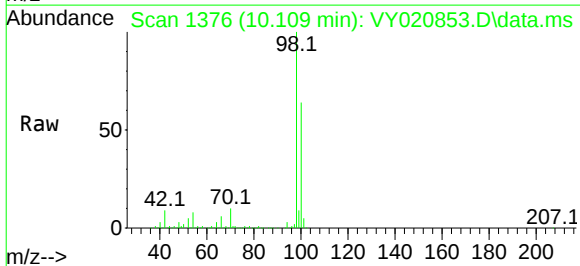
72-11995-VOC

Tgt Ion: 98 Resp: 370295

Ion Ratio Lower Upper

98 100

100 64.7 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 1.363 ug/l

RT: 9.999 min Scan# 1358

Delta R.T. -0.000 min

Lab File: VY020853.D

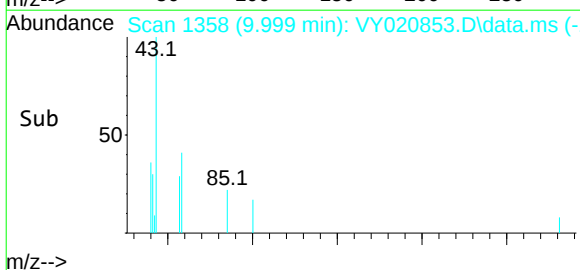
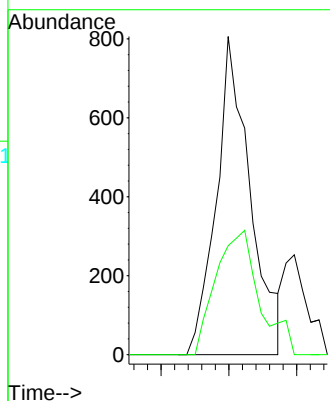
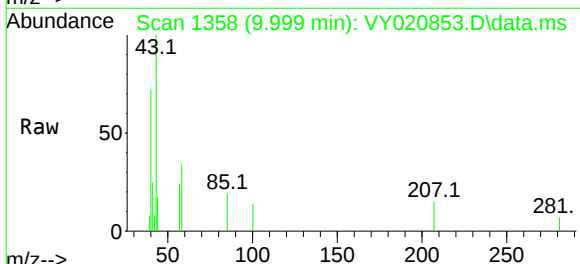
Acq: 17 Jan 2025 14:23

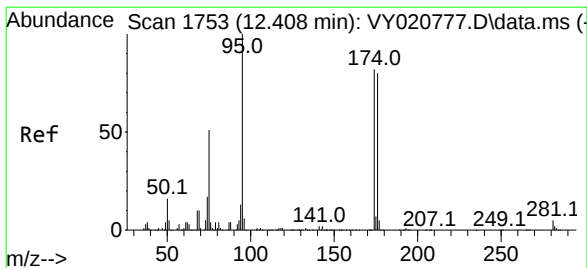
Tgt Ion: 43 Resp: 1400

Ion Ratio Lower Upper

43 100

58 50.0 34.8 52.2





#62

4-Bromofluorobenzene

Concen: 43.094 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY020853.D

Acq: 17 Jan 2025 14:23

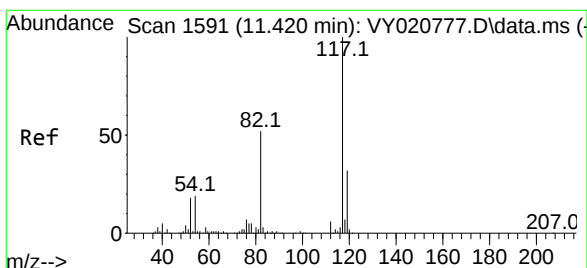
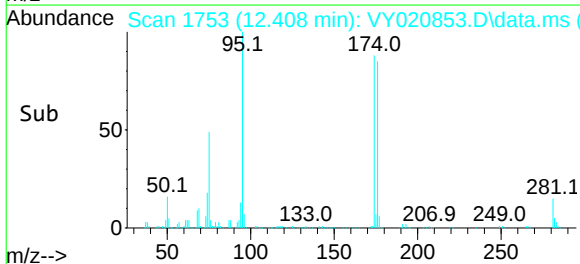
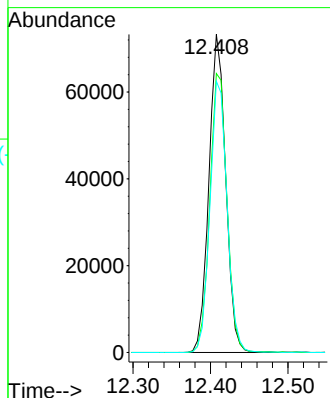
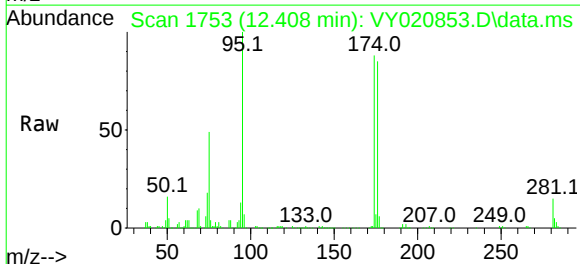
Instrument :

MSVOA\_Y

ClientSampleId :

72-11995-VOC

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 110437 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 89.7  | 0.0   | 178.0  |
| 176      | 86.8  | 0.0   | 172.0  |



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

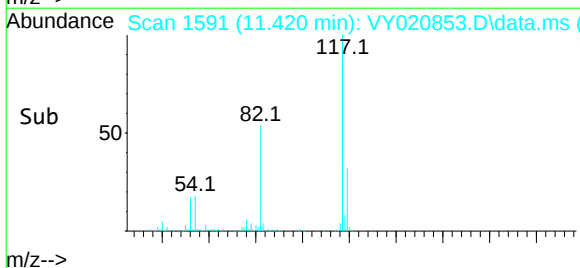
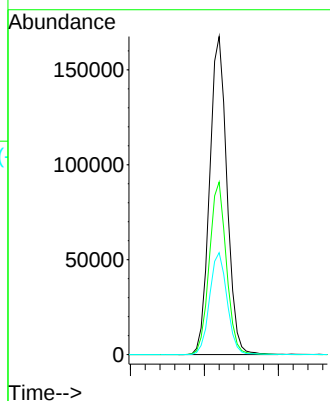
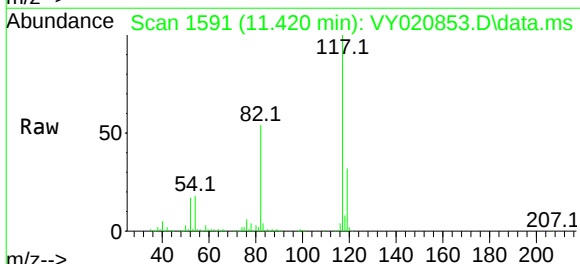
RT: 11.420 min Scan# 1591

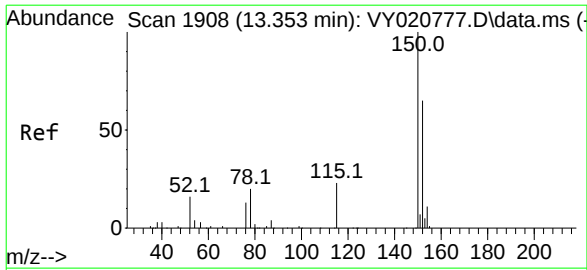
Delta R.T. -0.000 min

Lab File: VY020853.D

Acq: 17 Jan 2025 14:23

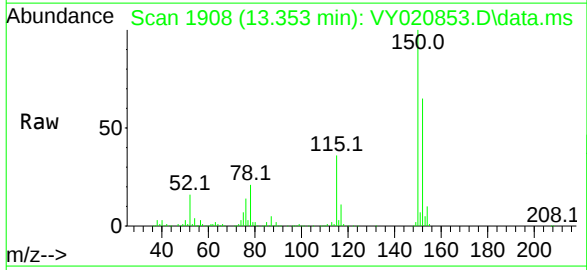
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 272507 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 54.3  | 41.8  | 62.6   |
| 119      | 32.0  | 25.8  | 38.8   |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.353 min Scan# 19  
 Delta R.T. -0.000 min  
 Lab File: VY020853.D  
 Acq: 17 Jan 2025 14:23

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 72-11995-VOC



Tgt Ion:152 Resp: 103193  
 Ion Ratio Lower Upper  
 152 100  
 115 56.8 29.0 87.0  
 150 157.5 0.0 347.4

