

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062625\  
 Data File : VY022848.D  
 Acq On : 26 Jun 2025 14:30  
 Operator : SY/MD  
 Sample : Q2429-03  
 Misc : 6.11g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-4-VOC

Quant Time: Jun 27 03:21:32 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062325S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 24 08:29:52 2025  
 Response via : Initial Calibration

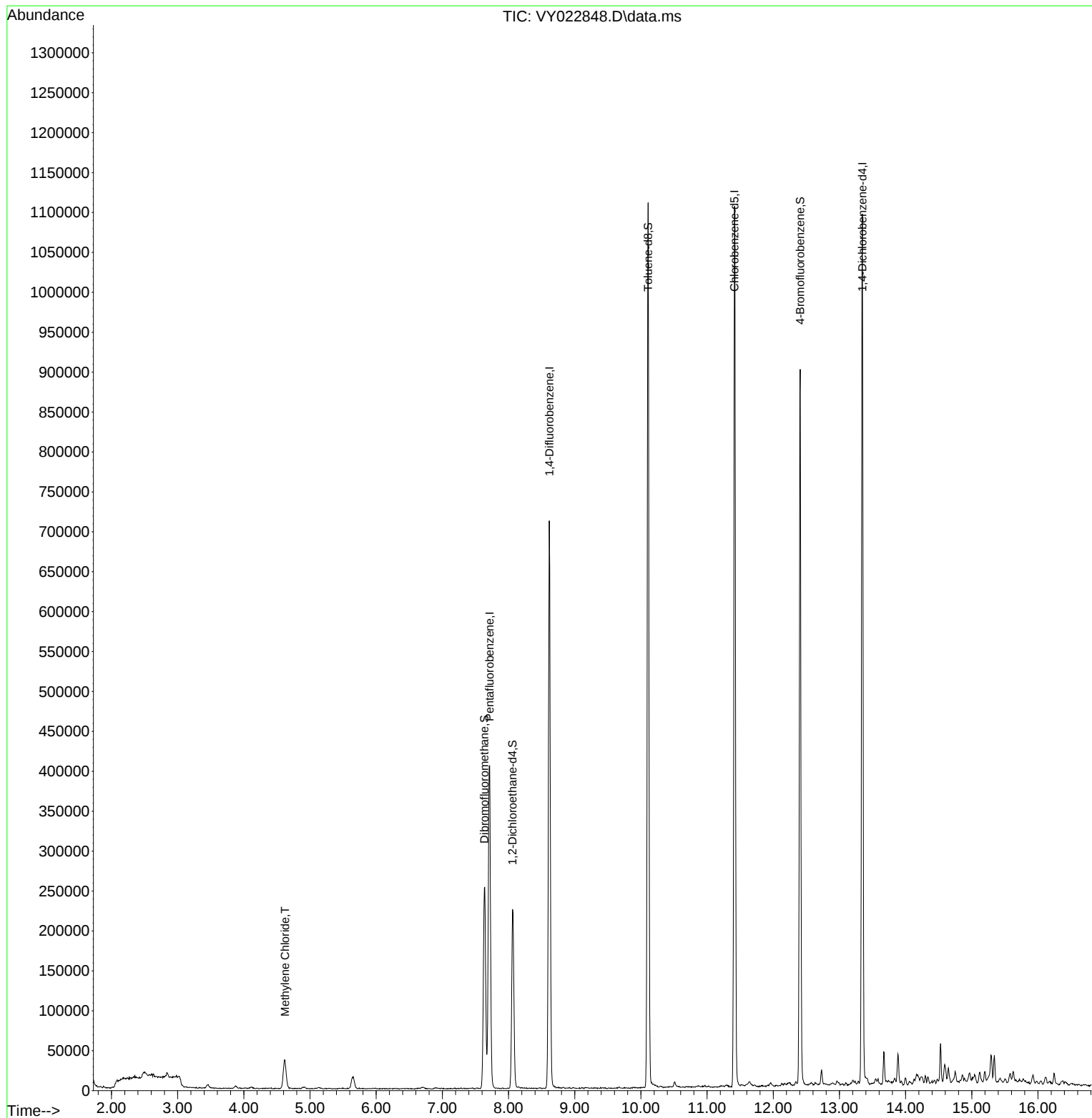
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.713  | 168   | 318083   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 583720   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 581430   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.347 | 152   | 267029   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 181272   | 51.061   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 102.120% |          |
| 35) Dibromofluoromethane    | 7.634  | 113   | 181273   | 51.064   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 102.120% |          |
| 50) Toluene-d8              | 10.109 | 98    | 713014   | 50.617   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 101.240% |          |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 263532   | 58.196   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 116.400% |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 20) Methylene Chloride      | 4.623  | 84    | 27272    | 6.436    | ug/l       | 92       |
| -----                       |        |       |          |          |            |          |

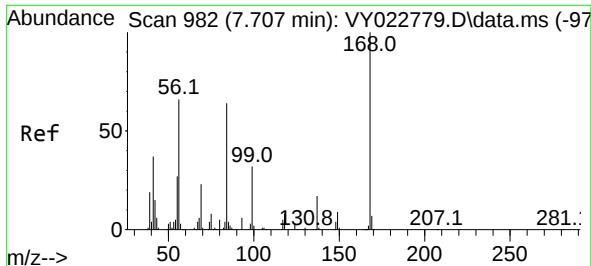
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
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TP-4-VOC

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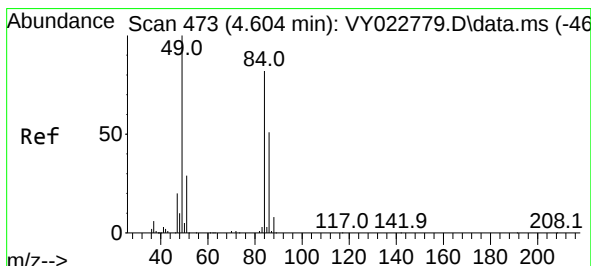
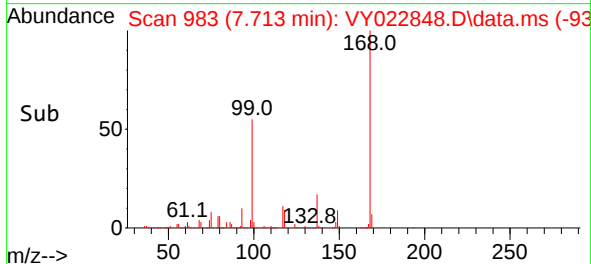
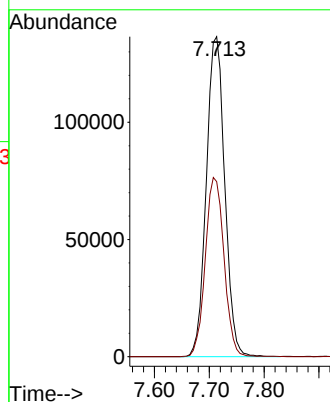
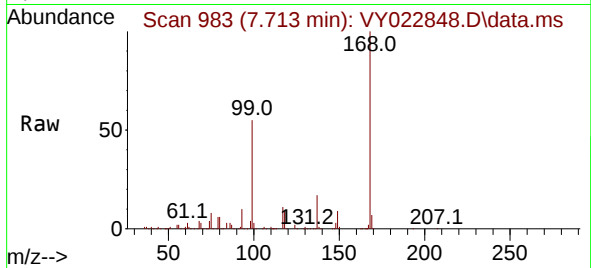




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY022848.D  
Acq: 26 Jun 2025 14:30

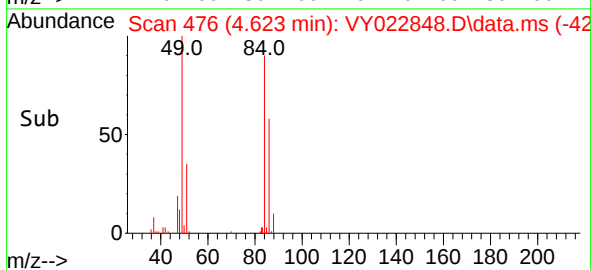
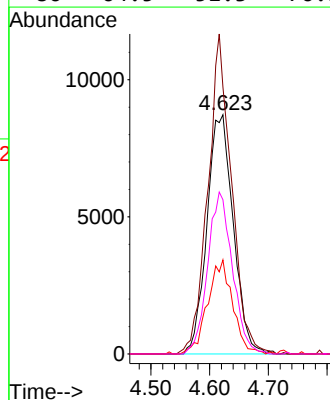
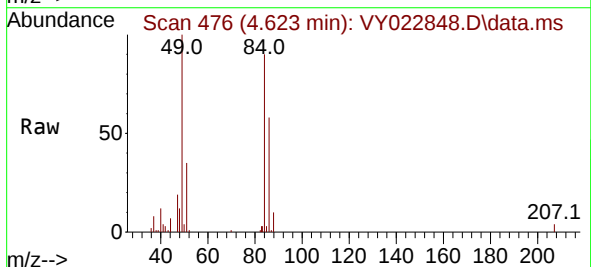
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-4-VOC

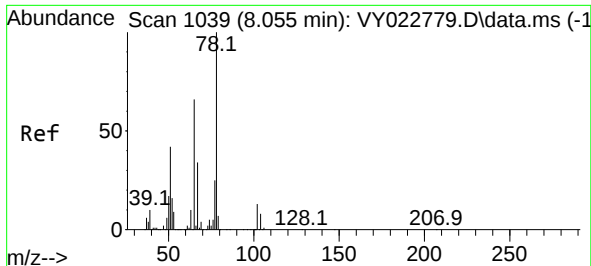
Tgt Ion:168 Resp: 318083  
Ion Ratio Lower Upper  
168 100  
99 54.7 44.3 66.5



#20  
Methylene Chloride  
Concen: 6.436 ug/l  
RT: 4.623 min Scan# 476  
Delta R.T. 0.000 min  
Lab File: VY022848.D  
Acq: 26 Jun 2025 14:30

Tgt Ion: 84 Resp: 27272  
Ion Ratio Lower Upper  
84 100  
49 111.6 101.9 152.9  
51 39.3 29.8 44.8  
86 64.5 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 51.061 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY022848.D

Acq: 26 Jun 2025 14:30

Instrument :

MSVOA\_Y

ClientSampleId :

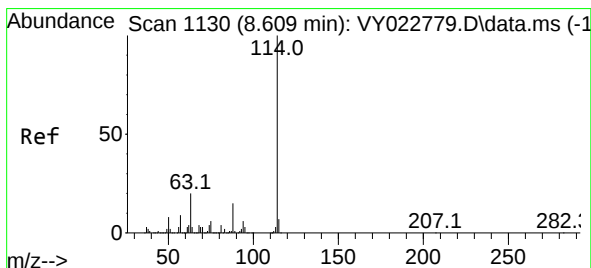
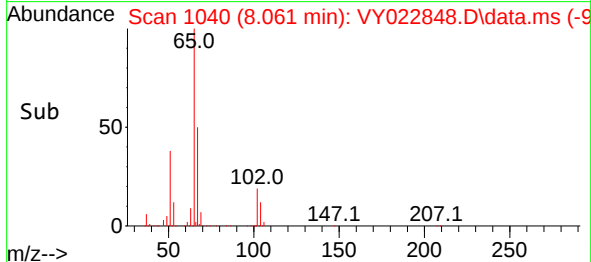
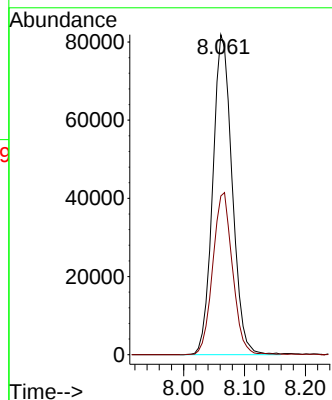
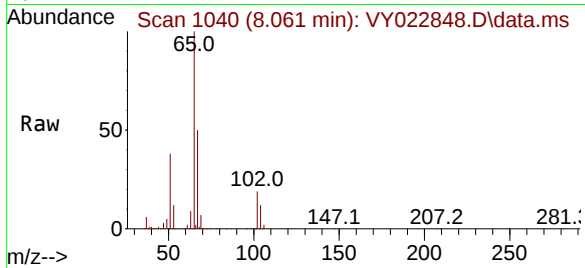
TP-4-VOC

Tgt Ion: 65 Resp: 181272

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022848.D

Acq: 26 Jun 2025 14:30

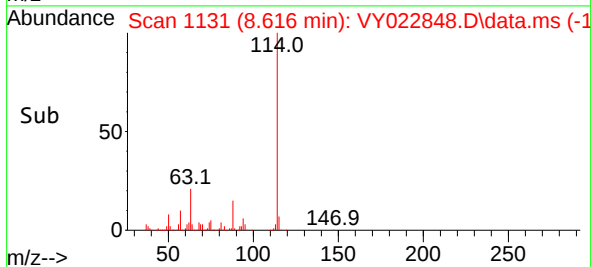
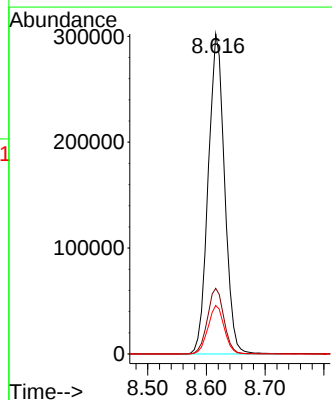
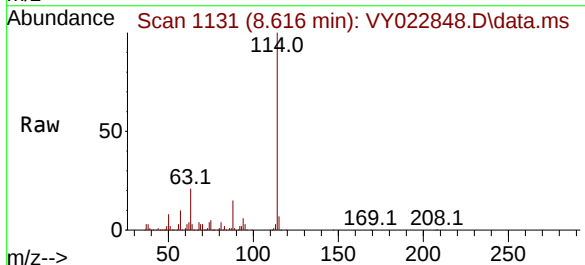
Tgt Ion:114 Resp: 583720

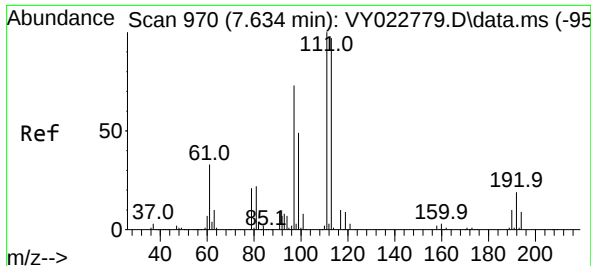
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

88 15.1 0.0 27.8

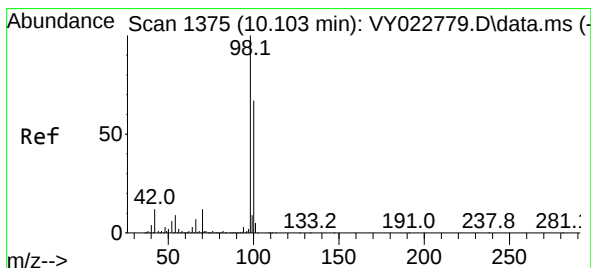
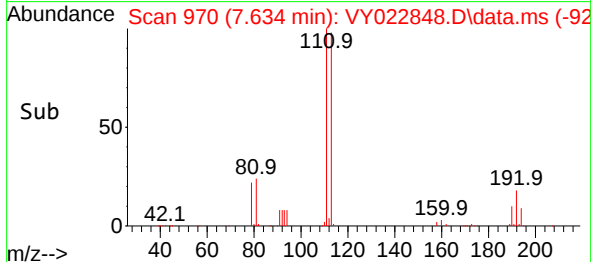
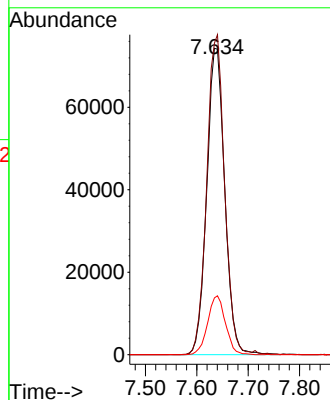
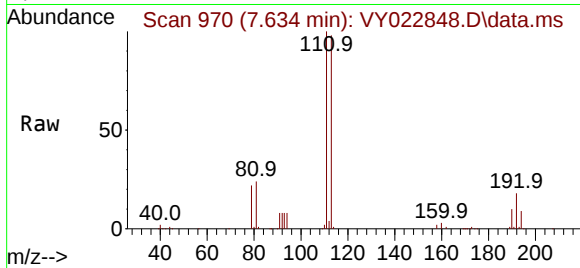




#35  
Dibromofluoromethane  
Concen: 51.064 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY022848.D  
Acq: 26 Jun 2025 14:30

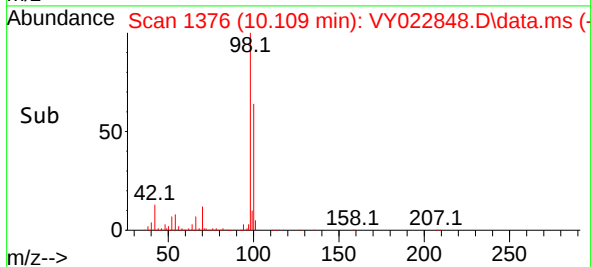
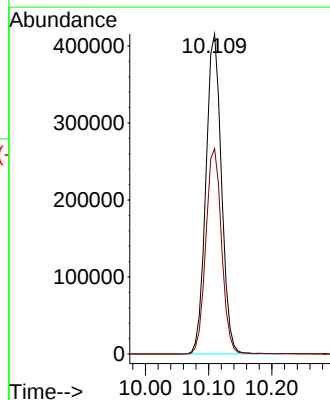
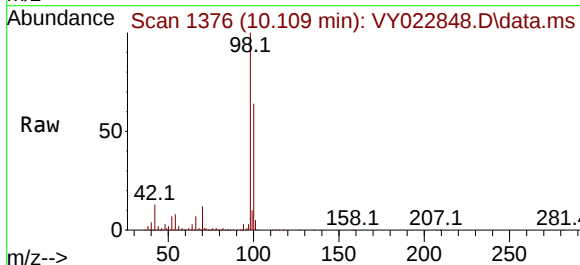
Instrument :  
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TP-4-VOC

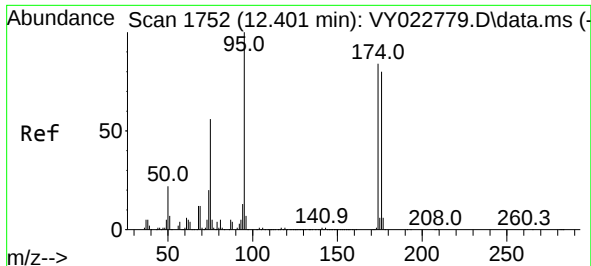
Tgt Ion:113 Resp: 181273  
Ion Ratio Lower Upper  
113 100  
111 103.8 81.1 121.7  
192 19.0 14.2 21.2



#50  
Toluene-d8  
Concen: 50.617 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.000 min  
Lab File: VY022848.D  
Acq: 26 Jun 2025 14:30

Tgt Ion: 98 Resp: 713014  
Ion Ratio Lower Upper  
98 100  
100 64.7 51.4 77.0

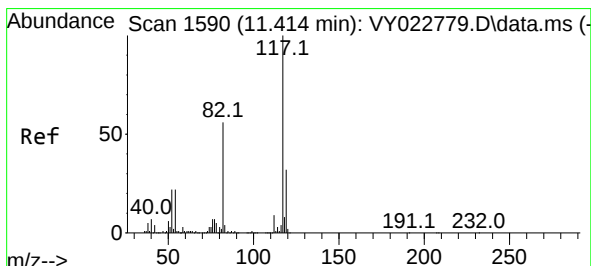
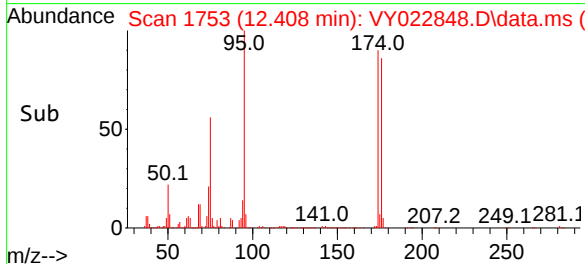
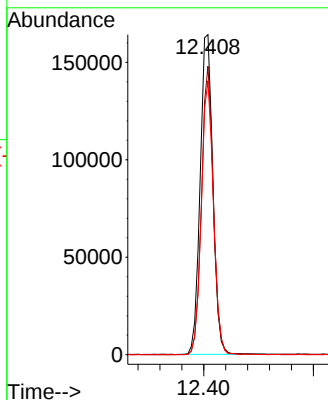
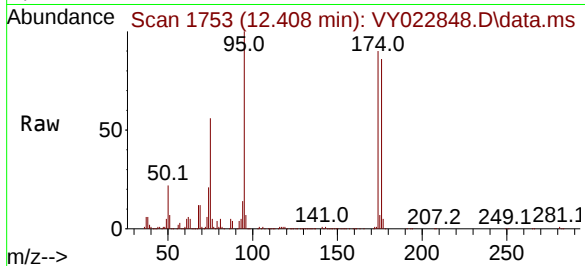




#62  
4-Bromofluorobenzene  
Concen: 58.196 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY022848.D  
Acq: 26 Jun 2025 14:30

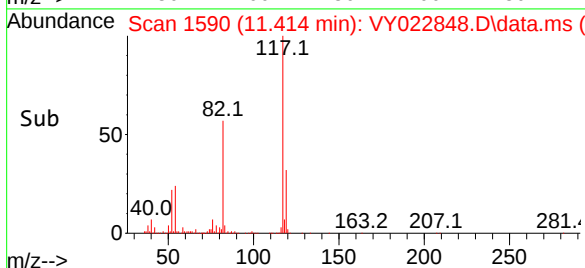
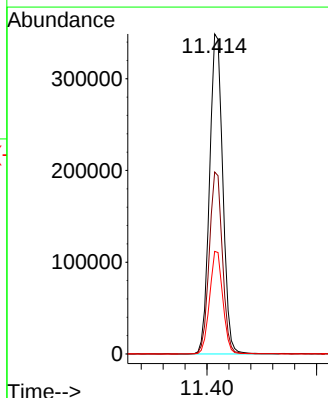
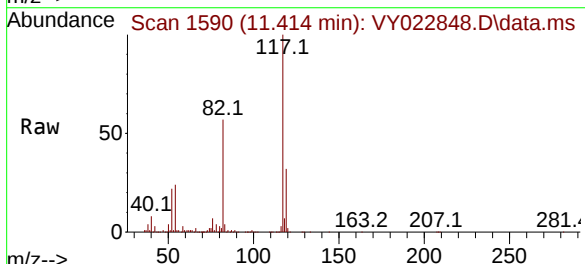
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-4-VOC

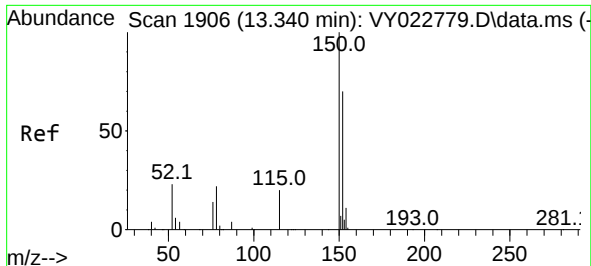
Tgt Ion: 95 Resp: 263532  
Ion Ratio Lower Upper  
95 100  
174 84.3 0.0 170.0  
176 81.4 0.0 166.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY022848.D  
Acq: 26 Jun 2025 14:30

Tgt Ion: 117 Resp: 581430  
Ion Ratio Lower Upper  
117 100  
82 56.8 44.6 66.8  
119 32.1 25.4 38.0





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.347 min Scan# 1907  
 Delta R.T. 0.000 min  
 Lab File: VY022848.D  
 Acq: 26 Jun 2025 14:30

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-4-VOC

Tgt Ion:152 Resp: 267029  
 Ion Ratio Lower Upper  
 152 100  
 115 58.1 28.9 86.7  
 150 155.6 0.0 349.6

