

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040925\  
 Data File : VY021813.D  
 Acq On : 09 Apr 2025 12:53  
 Operator : SY/MD  
 Sample : Q1745-03  
 Misc : 4.12g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 IB-6A-VOC

Quant Time: Apr 10 01:41:36 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 28 02:30:29 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 149022   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 269308   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 235402   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.353 | 152  | 89923    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 92375    | 57.212   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 114.420% |
| 35) Dibromofluoromethane    | 7.640  | 113   | 94982    | 54.370   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 108.740% |
| 50) Toluene-d8              | 10.109 | 98    | 329738   | 49.615   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 99.220%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 88641    | 39.432   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 78.860%  |

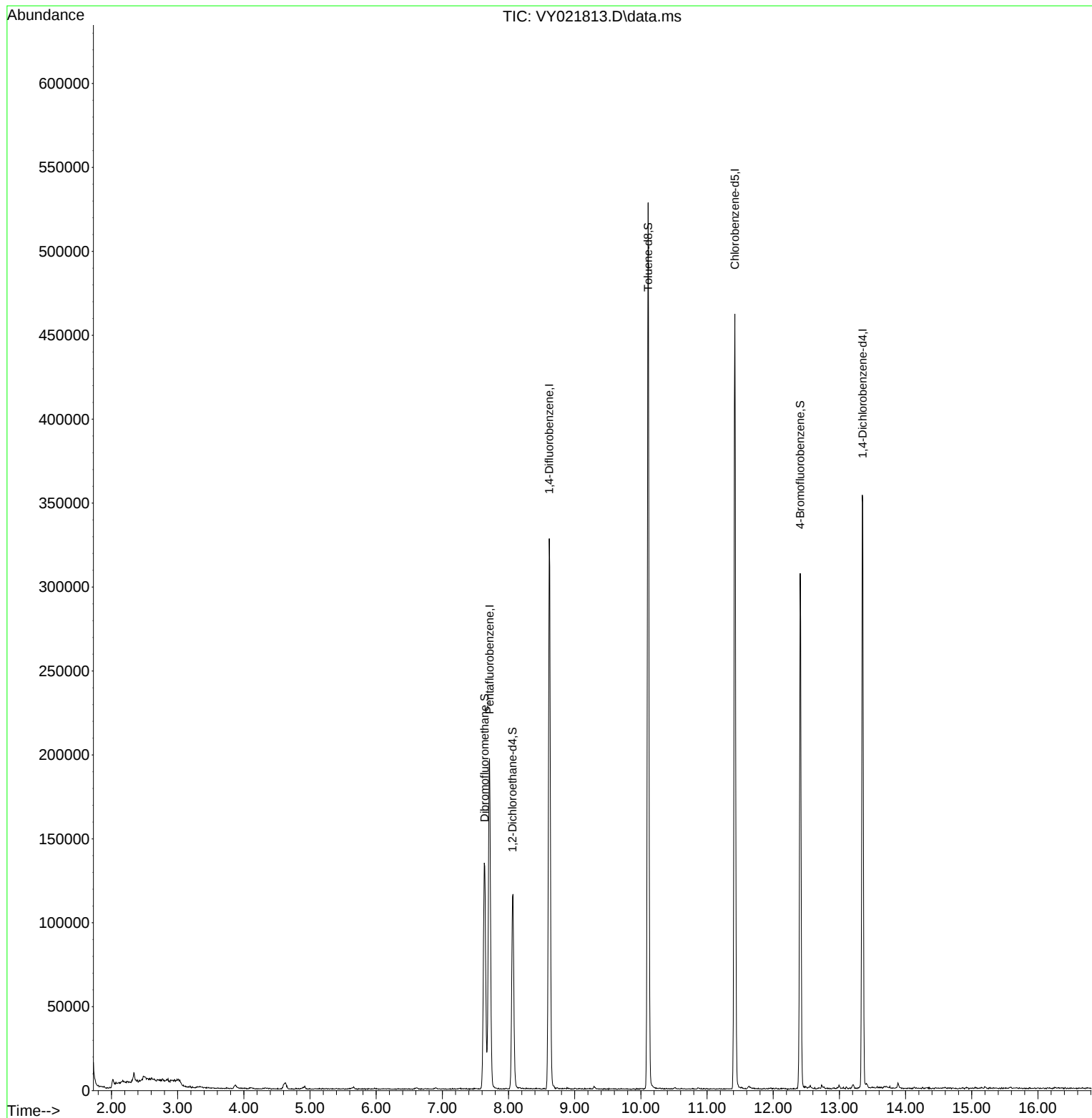
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

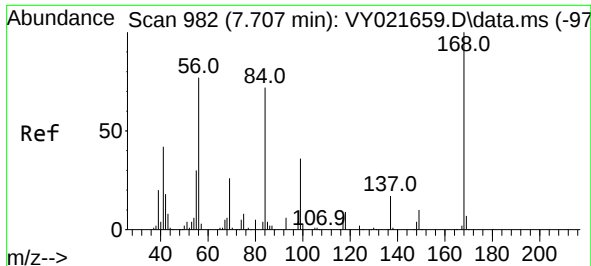
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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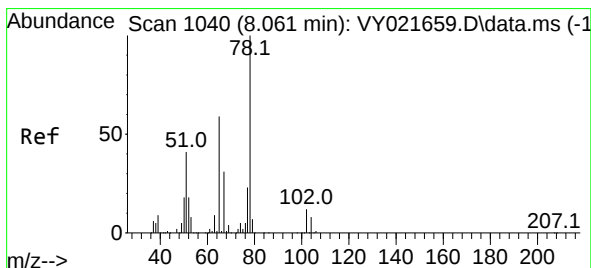
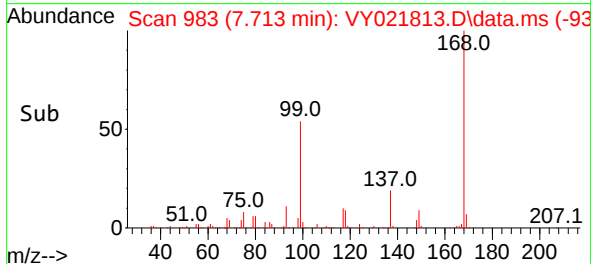
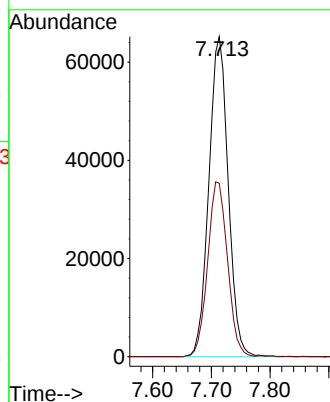
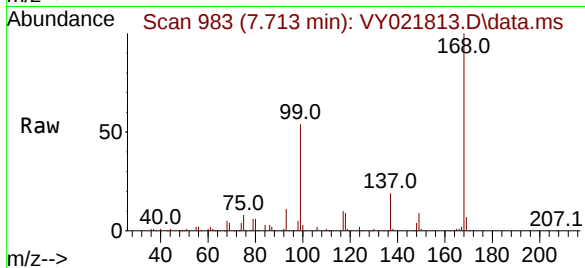




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: VY021813.D  
Acq: 09 Apr 2025 12:53

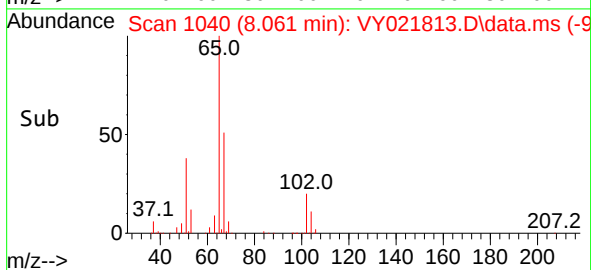
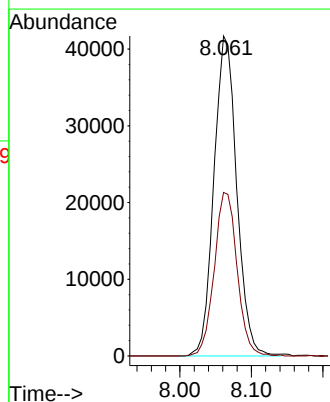
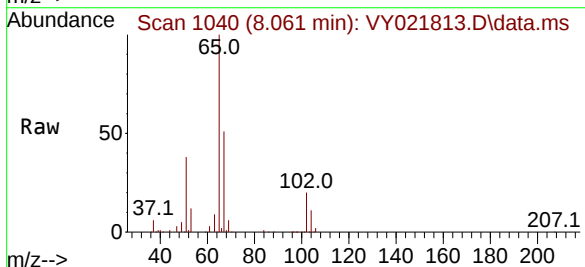
Instrument :  
MSVOA\_Y  
ClientSampleId :  
IB-6A-VOC

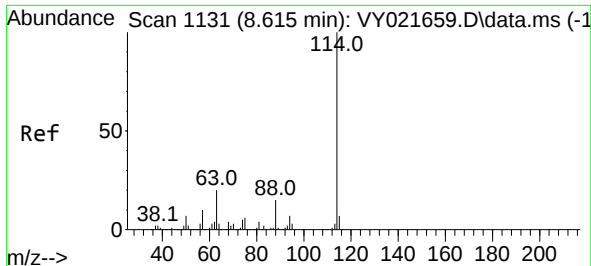
Tgt Ion:168 Resp: 149022  
Ion Ratio Lower Upper  
168 100  
99 54.2 46.7 70.1



#33  
1,2-Dichloroethane-d4  
Concen: 57.212 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY021813.D  
Acq: 09 Apr 2025 12:53

Tgt Ion: 65 Resp: 92375  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 104.6

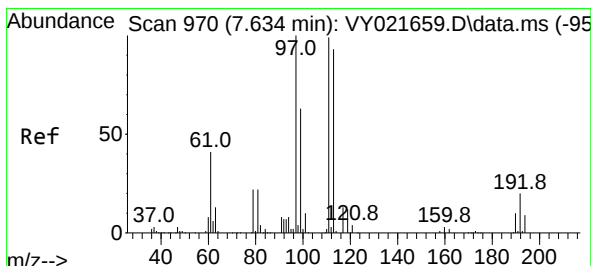
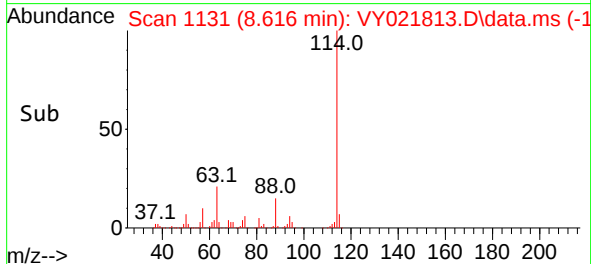
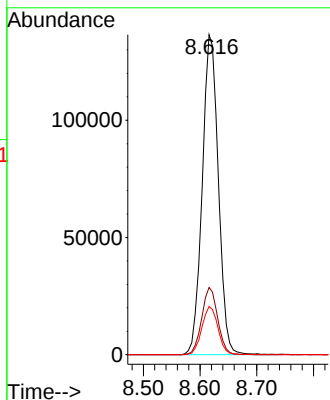
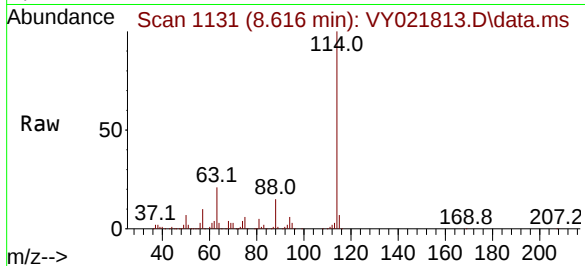




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VY021813.D  
Acq: 09 Apr 2025 12:53

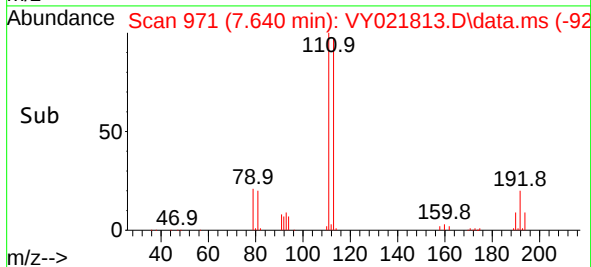
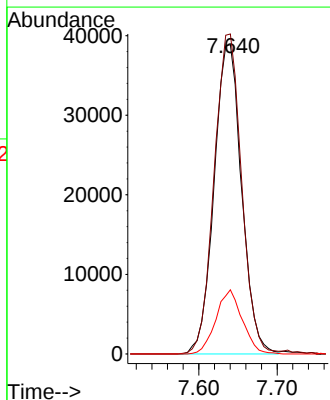
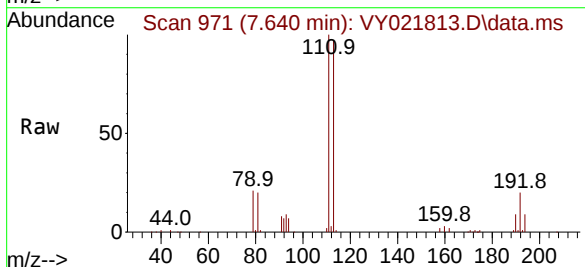
Instrument :  
MSVOA\_Y  
ClientSampleId :  
IB-6A-VOC

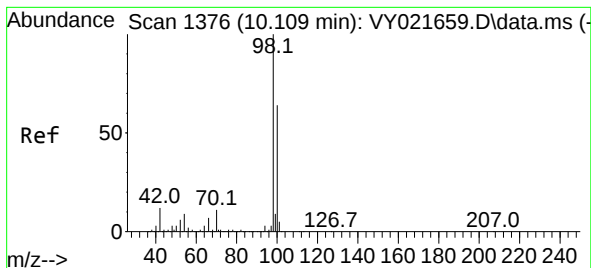
Tgt Ion:114 Resp: 269308  
Ion Ratio Lower Upper  
114 100  
63 21.0 0.0 40.2  
88 15.0 0.0 29.8



#35  
Dibromofluoromethane  
Concen: 54.370 ug/l  
RT: 7.640 min Scan# 971  
Delta R.T. 0.006 min  
Lab File: VY021813.D  
Acq: 09 Apr 2025 12:53

Tgt Ion:113 Resp: 94982  
Ion Ratio Lower Upper  
113 100  
111 103.6 82.6 123.8  
192 19.8 16.2 24.4





#50

Toluene-d8

Concen: 49.615 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021813.D

Acq: 09 Apr 2025 12:53

Instrument :

MSVOA\_Y

ClientSampleId :

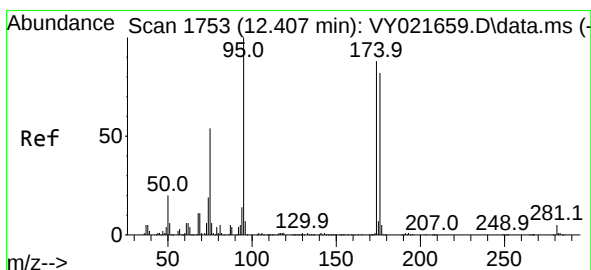
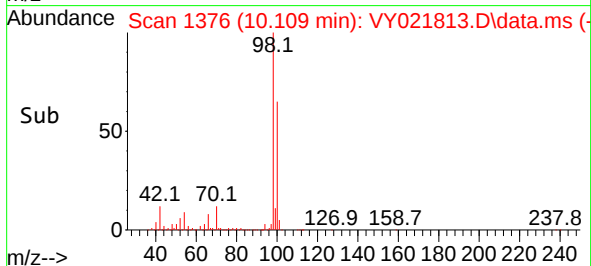
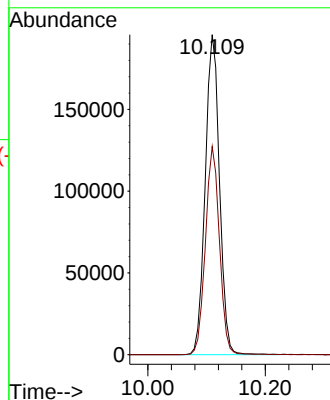
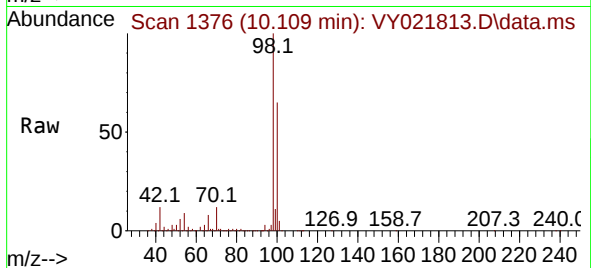
IB-6A-VOC

Tgt Ion: 98 Resp: 329738

Ion Ratio Lower Upper

98 100

100 64.1 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 39.432 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021813.D

Acq: 09 Apr 2025 12:53

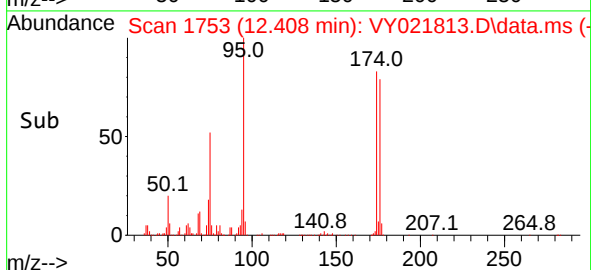
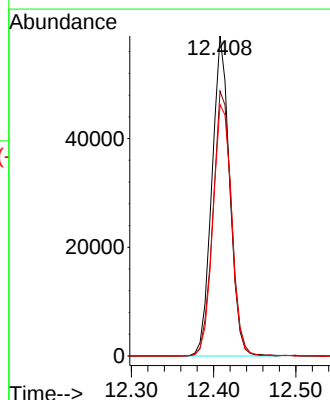
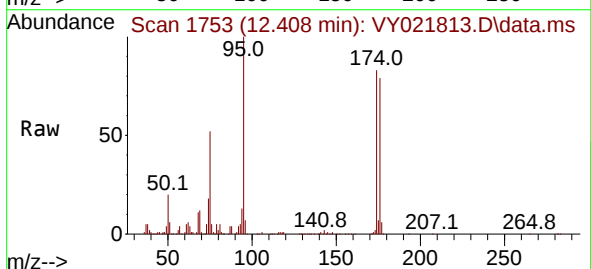
Tgt Ion: 95 Resp: 88641

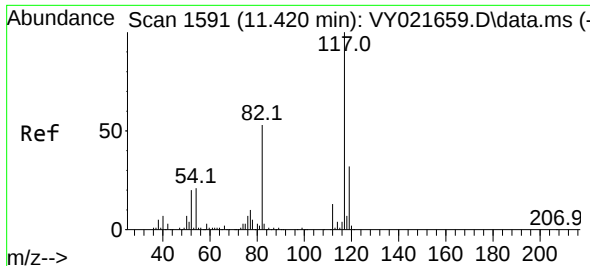
Ion Ratio Lower Upper

95 100

174 85.7 0.0 170.8

176 82.4 0.0 162.0

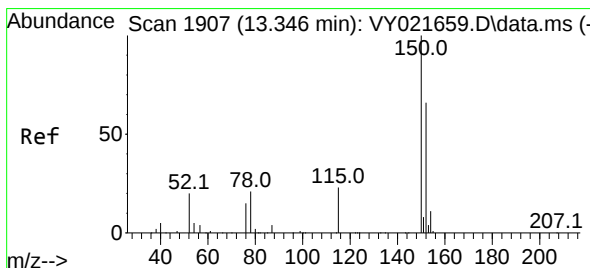
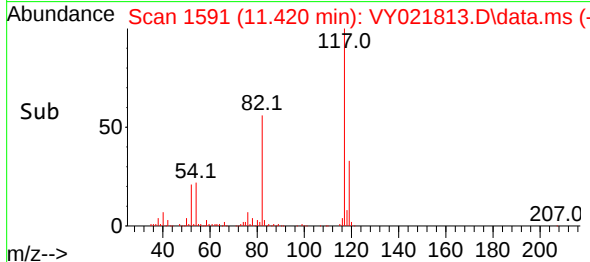
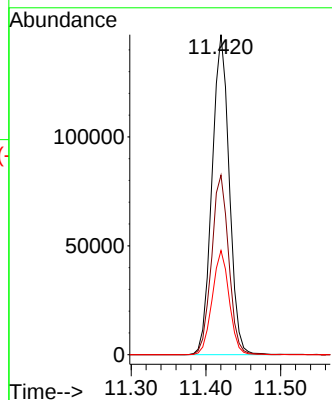
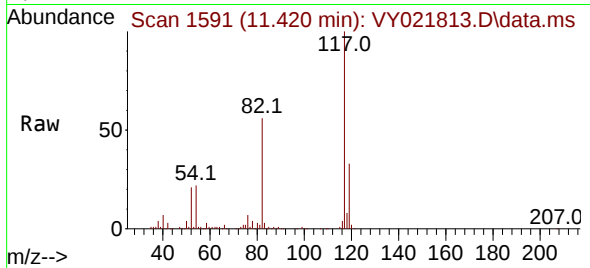




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY021813.D  
Acq: 09 Apr 2025 12:53

Instrument :  
MSVOA\_Y  
ClientSampleId :  
IB-6A-VOC

Tgt Ion:117 Resp: 235402  
Ion Ratio Lower Upper  
117 100  
82 56.1 42.8 64.2  
119 32.6 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.353 min Scan# 1908  
Delta R.T. 0.006 min  
Lab File: VY021813.D  
Acq: 09 Apr 2025 12:53

Tgt Ion:152 Resp: 89923  
Ion Ratio Lower Upper  
152 100  
115 57.7 28.8 86.5  
150 156.6 0.0 348.4

