

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060625\  
 Data File : VY022608.D  
 Acq On : 06 Jun 2025 18:23  
 Operator : SY/MD  
 Sample : Q2241-02  
 Misc : 5.86g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Jun 06 23:47:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 03 03:22:04 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 306732   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.610  | 114  | 567409   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 478089   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.340 | 152  | 181175   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.055  | 65    | 184238   | 53.704   | ug/l | -0.01    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 107.400% |
| 35) Dibromofluoromethane    | 7.628  | 113   | 175369   | 51.781   | ug/l | -0.01    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 103.560% |
| 50) Toluene-d8              | 10.103 | 98    | 697860   | 50.996   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 102.000% |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 179990   | 44.144   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 88.280%  |

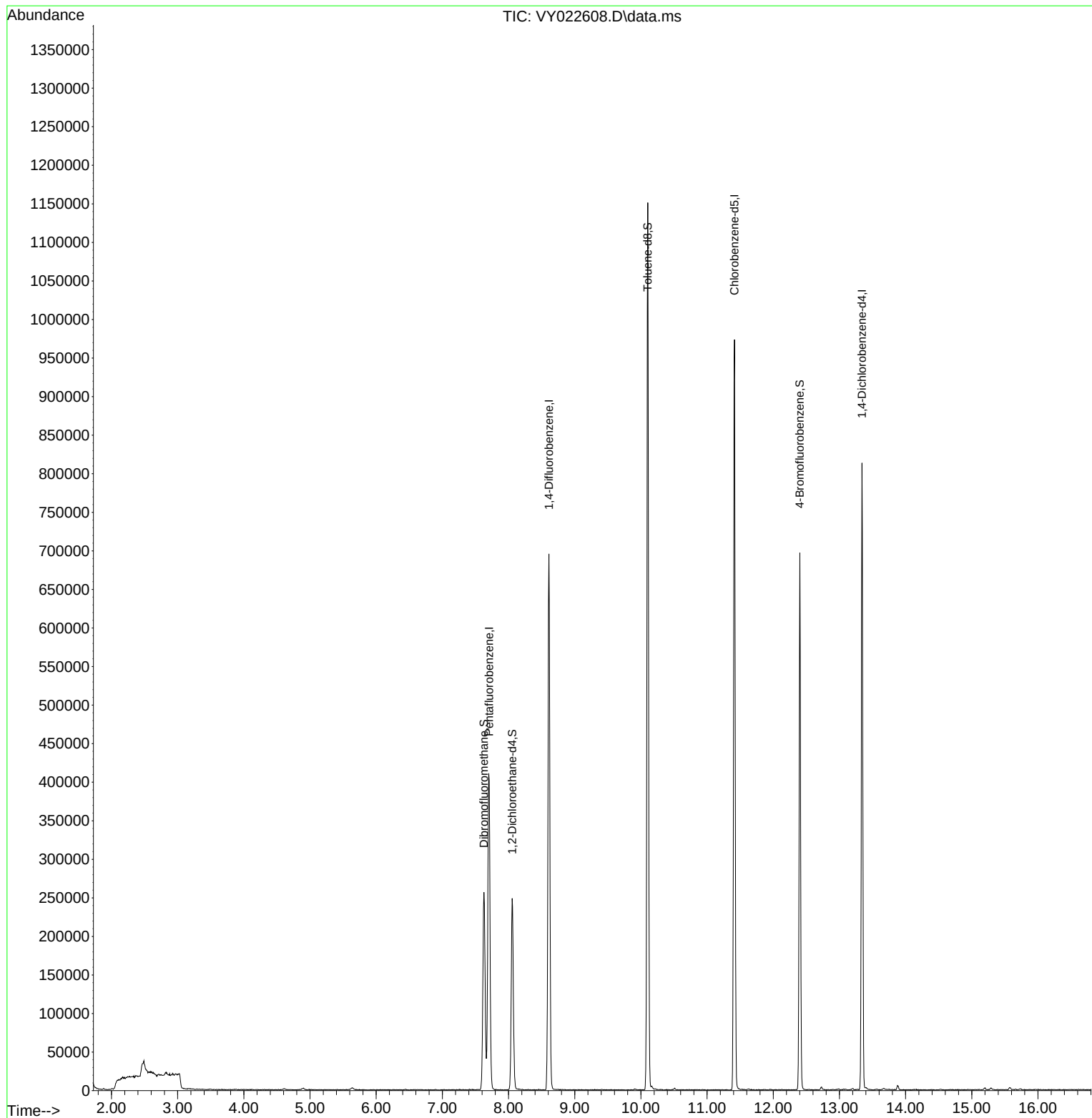
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

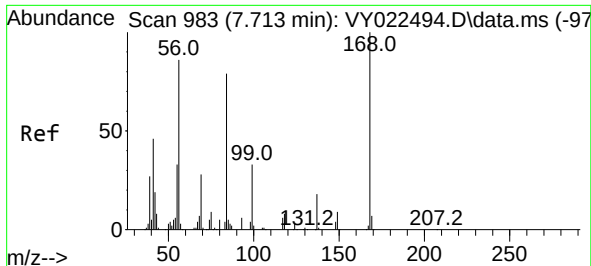
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Jun 03 03:22:04 2025  
Response via : Initial Calibration

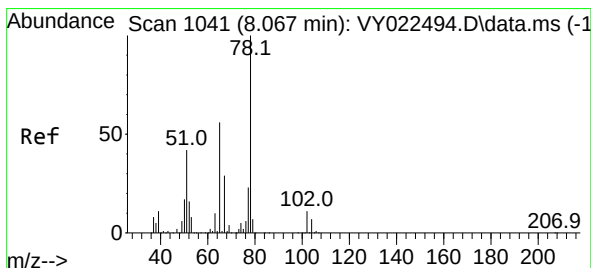
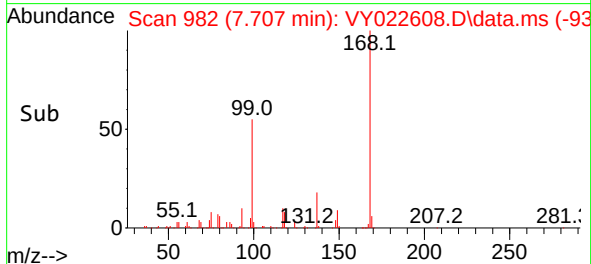
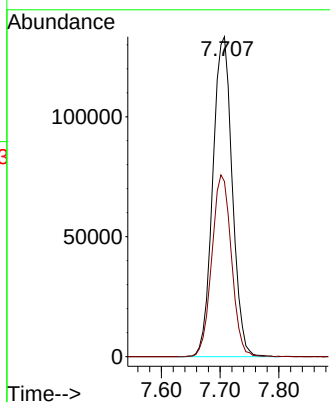
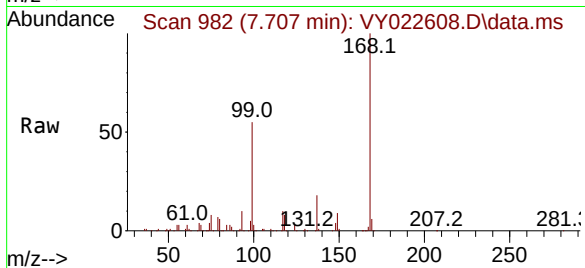




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY022608.D  
Acq: 06 Jun 2025 18:23

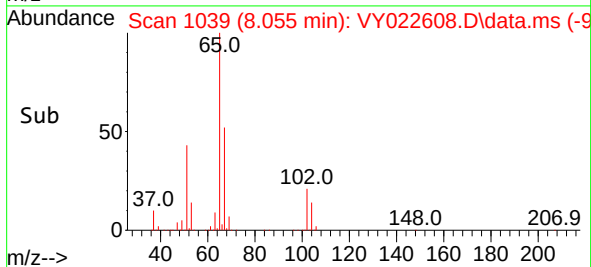
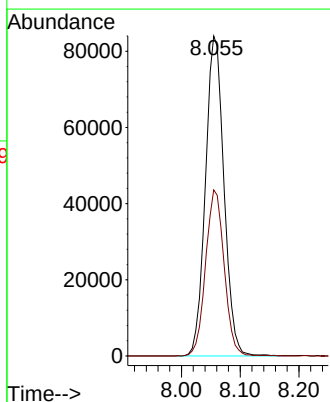
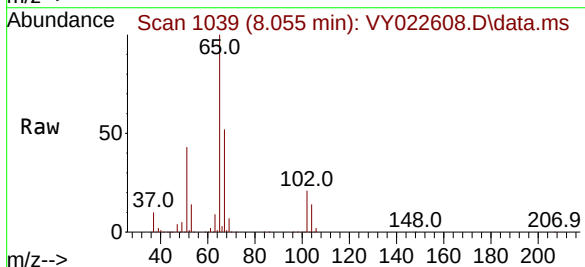
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-N-VOC

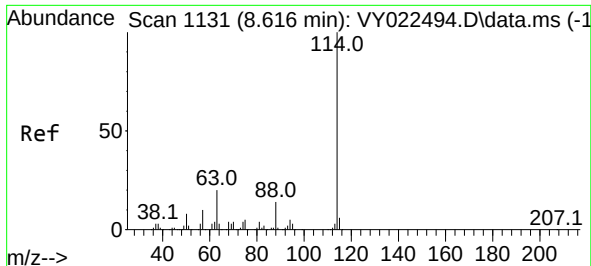
Tgt Ion:168 Resp: 306732  
Ion Ratio Lower Upper  
168 100  
99 54.7 44.3 66.5



#33  
1,2-Dichloroethane-d4  
Concen: 53.704 ug/l  
RT: 8.055 min Scan# 1039  
Delta R.T. -0.012 min  
Lab File: VY022608.D  
Acq: 06 Jun 2025 18:23

Tgt Ion: 65 Resp: 184238  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 103.4

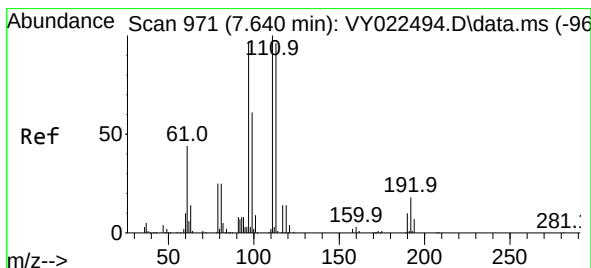
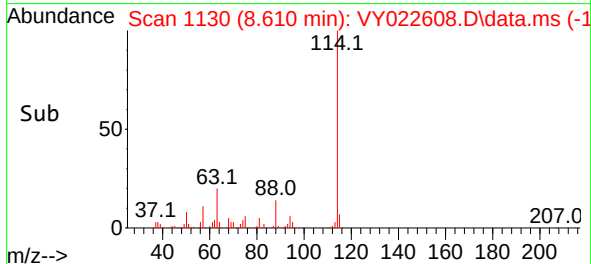
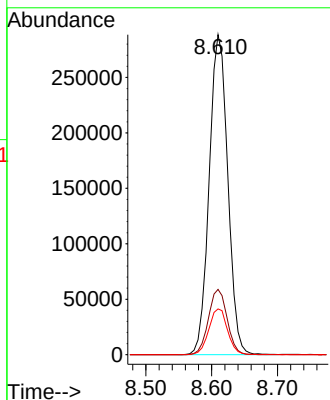
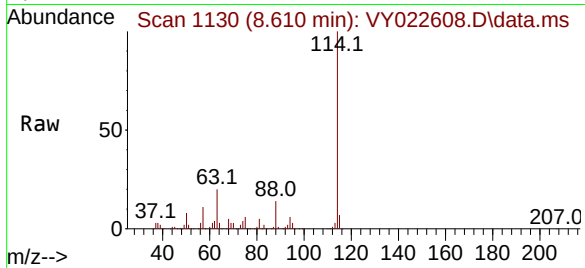




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.610 min Scan# 1131  
 Delta R.T. -0.006 min  
 Lab File: VY022608.D  
 Acq: 06 Jun 2025 18:23

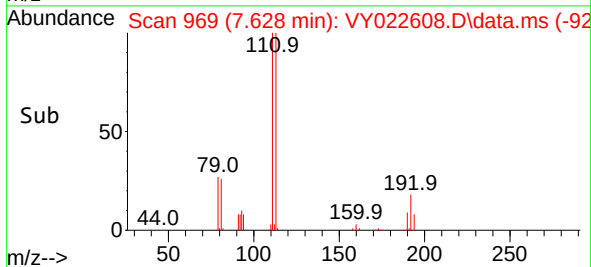
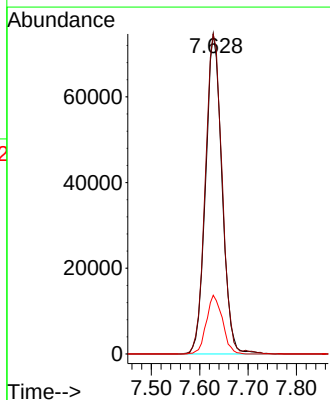
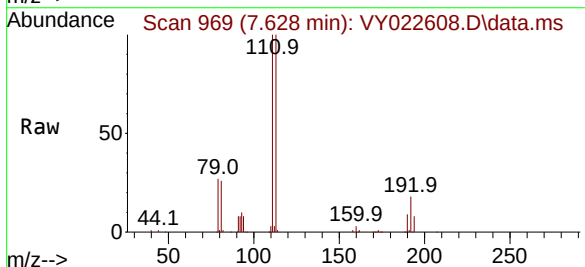
Instrument :  
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 ClientSampleId :  
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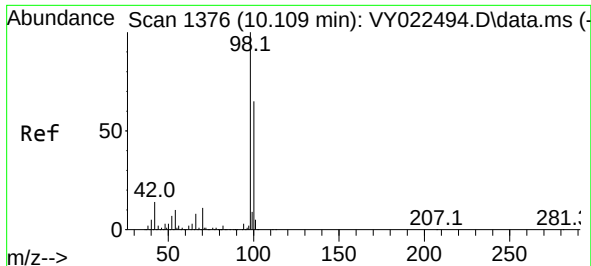
Tgt Ion:114 Resp: 567409  
 Ion Ratio Lower Upper  
 114 100  
 63 20.4 0.0 40.8  
 88 14.3 0.0 27.8



#35  
 Dibromofluoromethane  
 Concen: 51.781 ug/l  
 RT: 7.628 min Scan# 969  
 Delta R.T. -0.012 min  
 Lab File: VY022608.D  
 Acq: 06 Jun 2025 18:23

Tgt Ion:113 Resp: 175369  
 Ion Ratio Lower Upper  
 113 100  
 111 101.8 81.1 121.7  
 192 18.1 14.2 21.2

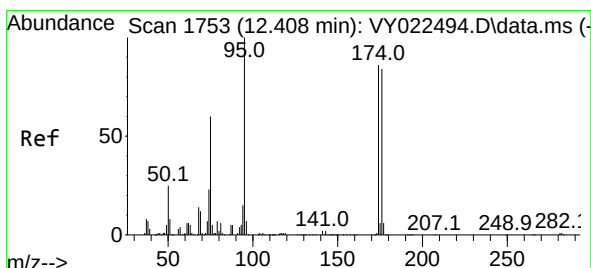
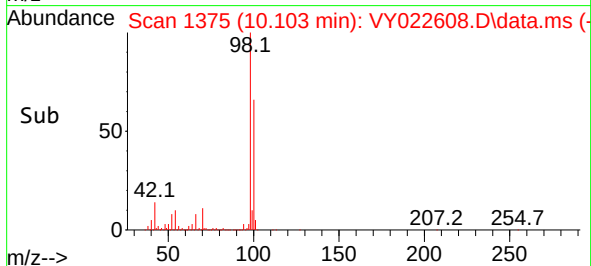
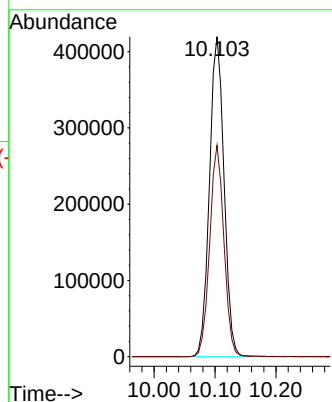
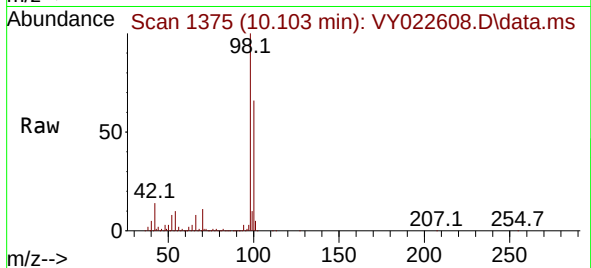




#50  
Toluene-d8  
Concen: 50.996 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. -0.006 min  
Lab File: VY022608.D  
Acq: 06 Jun 2025 18:23

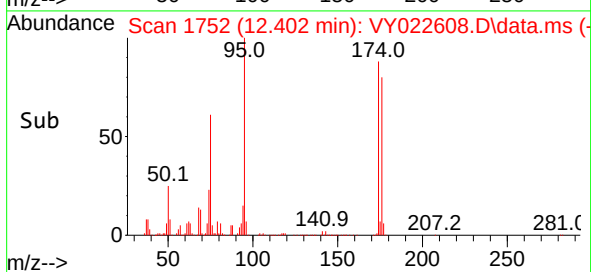
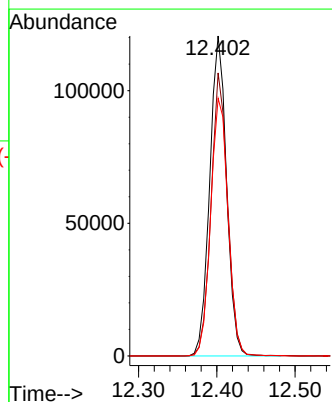
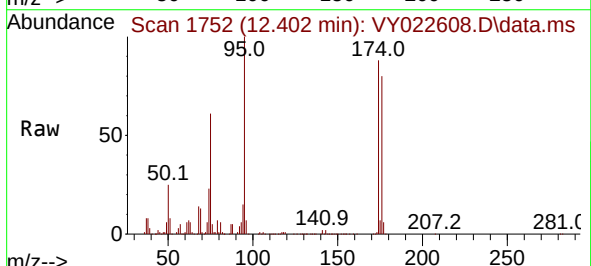
Instrument :  
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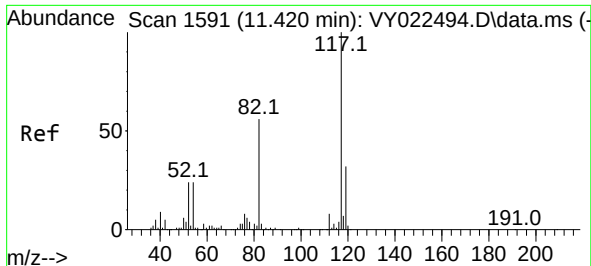
Tgt Ion: 98 Resp: 697860  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 44.144 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY022608.D  
Acq: 06 Jun 2025 18:23

Tgt Ion: 95 Resp: 179990  
Ion Ratio Lower Upper  
95 100  
174 86.7 0.0 170.0  
176 83.3 0.0 166.2

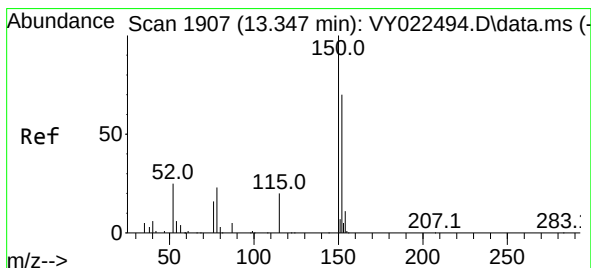
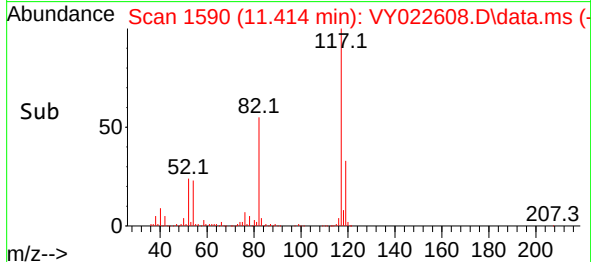
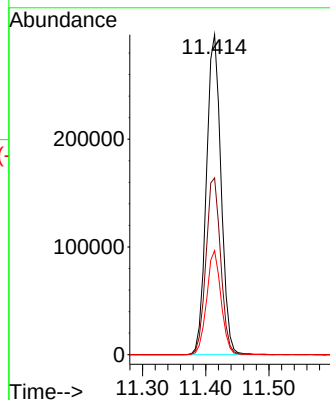
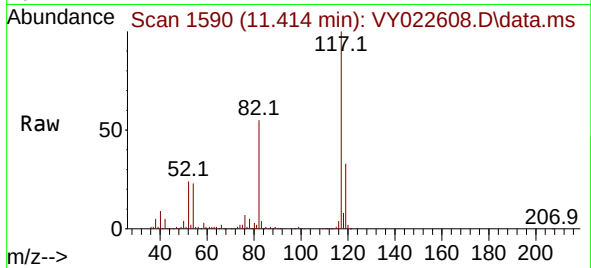




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY022608.D  
Acq: 06 Jun 2025 18:23

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

Tgt Ion:117 Resp: 478089  
Ion Ratio Lower Upper  
117 100  
82 55.2 44.6 66.8  
119 32.5 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.340 min Scan# 1906  
Delta R.T. -0.006 min  
Lab File: VY022608.D  
Acq: 06 Jun 2025 18:23

Tgt Ion:152 Resp: 181175  
Ion Ratio Lower Upper  
152 100  
115 57.5 28.9 86.7  
150 156.5 0.0 349.6

