

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041825\  
 Data File : VN086348.D  
 Acq On : 18 Apr 2025 16:55  
 Operator : JC\MD  
 Sample : PB167623ZHE#13  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB167623ZHE#13

Quant Time: Apr 19 02:28:10 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N041525W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 16 04:19:23 2025  
 Response via : Initial Calibration

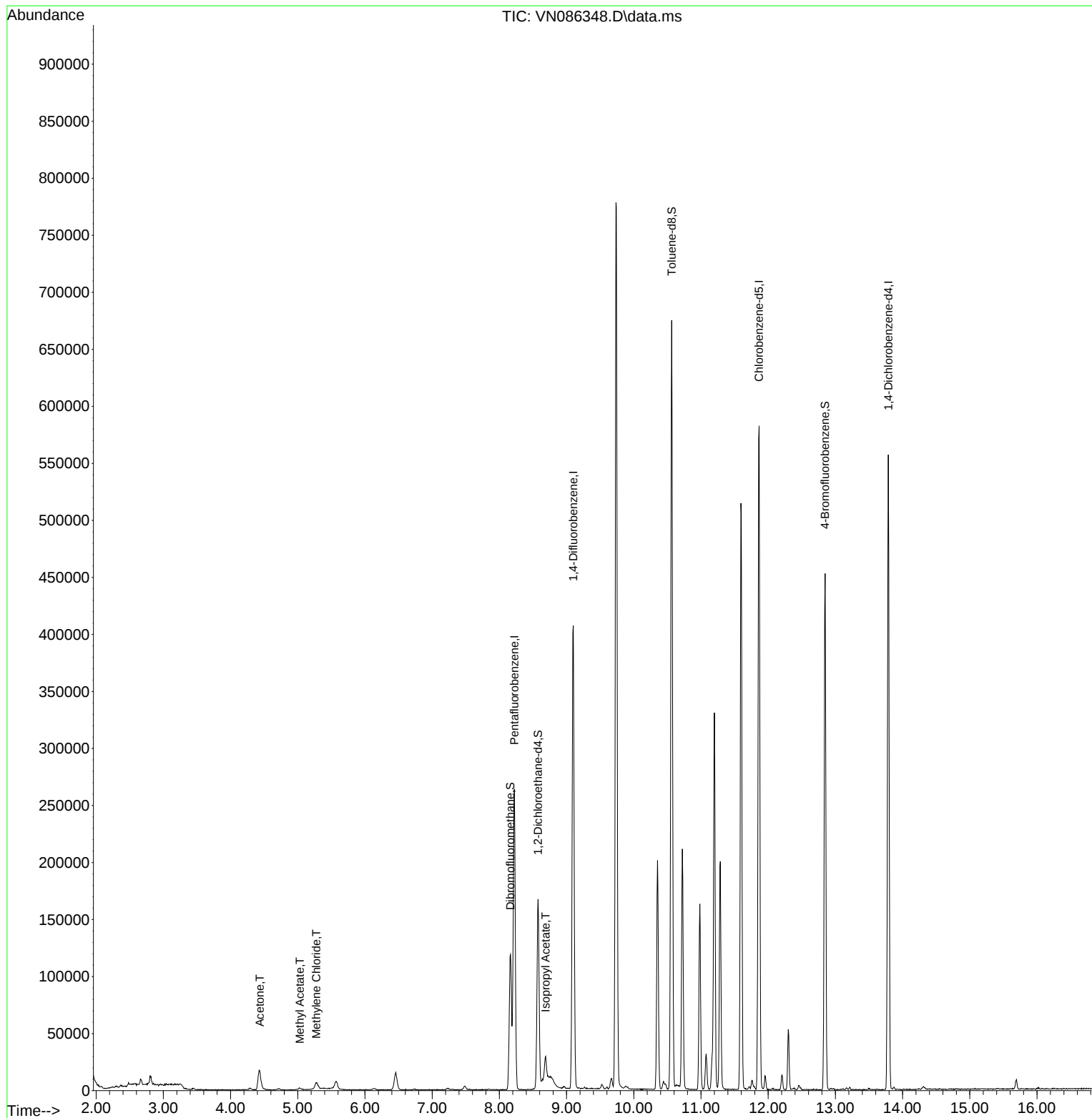
| Compound                    | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-----------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                       |           |                |          |            |        |          |
| Internal Standards          |           |                |          |            |        |          |
| 1) Pentafluorobenzene       | 8.224     | 168            | 188035   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100     | 114            | 362239   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865    | 117            | 335998   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788    | 152            | 147603   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds |           |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.577     | 65             | 137538   | 50.442     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 74 - 125 | Recovery | = 100.880% |        |          |
| 35) Dibromofluoromethane    | 8.165     | 113            | 89471    | 53.219     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 75 - 124 | Recovery | = 106.440% |        |          |
| 50) Toluene-d8              | 10.565    | 98             | 460459   | 51.247     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 86 - 113 | Recovery | = 102.500% |        |          |
| 62) 4-Bromofluorobenzene    | 12.847    | 95             | 167736   | 51.182     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 77 - 121 | Recovery | = 102.360% |        |          |
| Target Compounds            |           |                |          |            |        |          |
|                             |           |                |          |            | Qvalue |          |
| 16) Acetone                 | 4.436     | 43             | 34209    | 31.295     | ug/l   | 96       |
| 18) Methyl Acetate          | 5.030     | 43             | 4066     | 1.242      | ug/l # | 82       |
| 20) Methylene Chloride      | 5.277     | 84             | 4395     | 1.744      | ug/l # | 84       |
| 43) Isopropyl Acetate       | 8.688     | 43             | 40251    | 4.561      | ug/l # | 79       |
| -----                       |           |                |          |            |        |          |

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N041525W.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 16 04:19:23 2025  
Response via : Initial Calibration

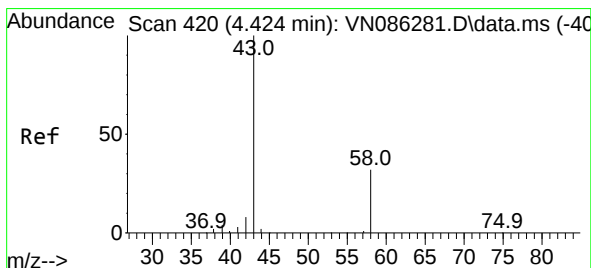
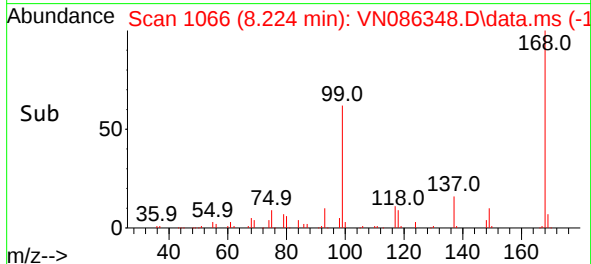
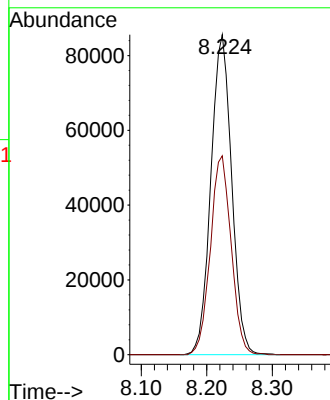
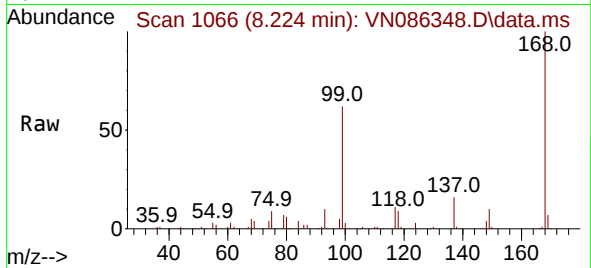




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN086348.D  
Acq: 18 Apr 2025 16:55

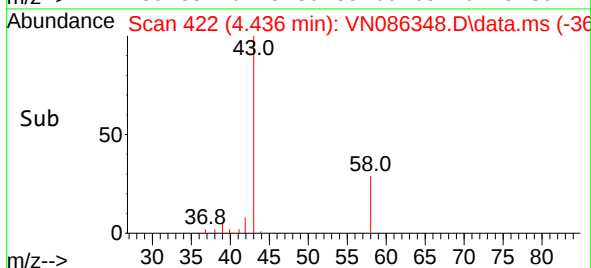
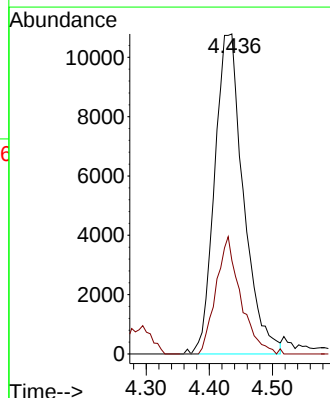
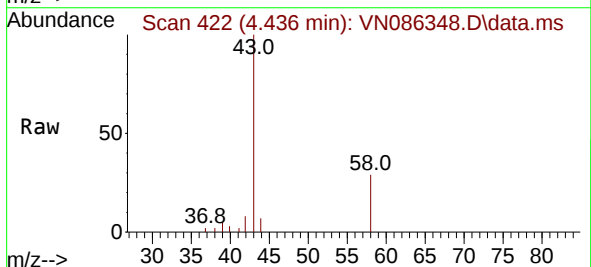
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB167623ZHE#13

Tgt Ion:168 Resp: 188035  
Ion Ratio Lower Upper  
168 100  
99 62.1 52.5 78.7



#16  
Acetone  
Concen: 31.295 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.012 min  
Lab File: VN086348.D  
Acq: 18 Apr 2025 16:55

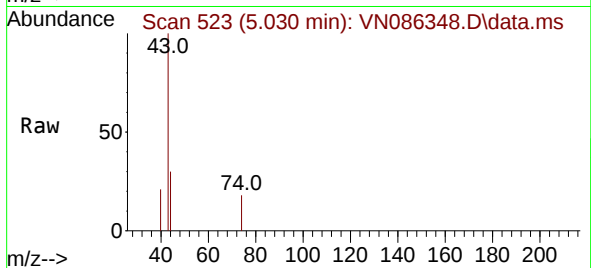
Tgt Ion: 43 Resp: 34209  
Ion Ratio Lower Upper  
43 100  
58 29.2 25.3 37.9



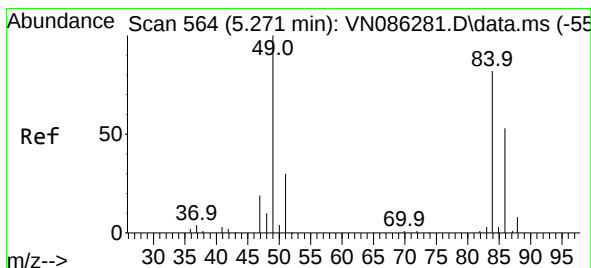
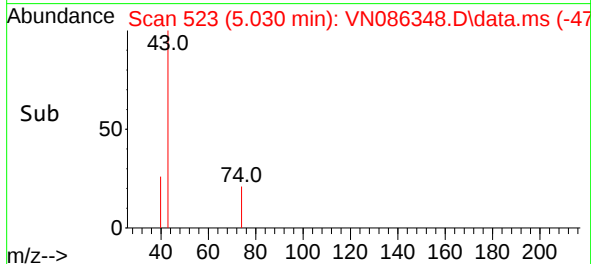
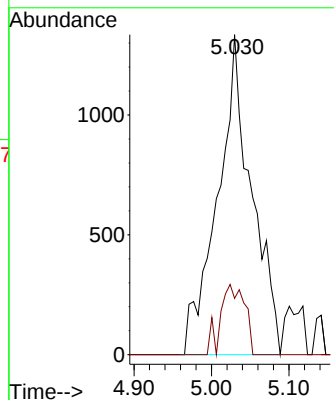


#18  
Methyl Acetate  
Concen: 1.242 ug/l  
RT: 5.030 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VN086348.D  
Acq: 18 Apr 2025 16:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB167623ZHE#13

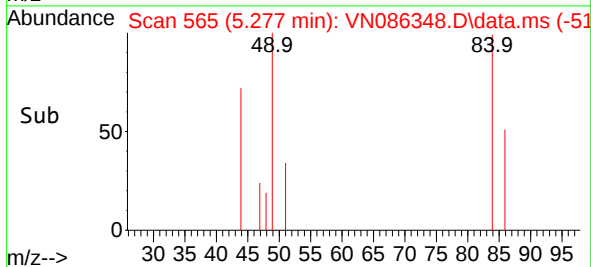
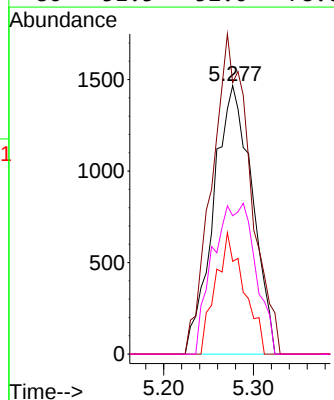
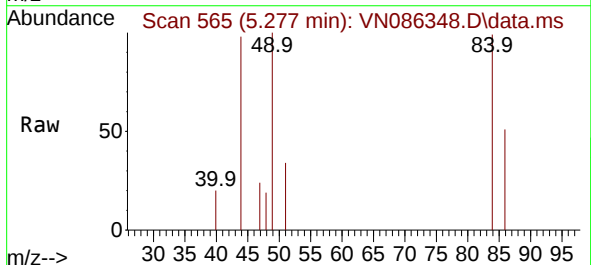


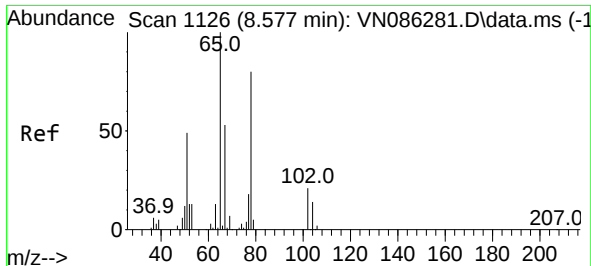
Tgt Ion: 43 Resp: 4066  
Ion Ratio Lower Upper  
43 100  
74 15.6 19.8 29.6#



#20  
Methylene Chloride  
Concen: 1.744 ug/l  
RT: 5.277 min Scan# 565  
Delta R.T. 0.006 min  
Lab File: VN086348.D  
Acq: 18 Apr 2025 16:55

Tgt Ion: 84 Resp: 4395  
Ion Ratio Lower Upper  
84 100  
49 101.1 98.2 147.2  
51 34.6 29.8 44.6  
86 51.5 52.0 78.0#





#33

1,2-Dichloroethane-d4

Concen: 50.442 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086348.D

Acq: 18 Apr 2025 16:55

Instrument :

MSVOA\_N

ClientSampleId :

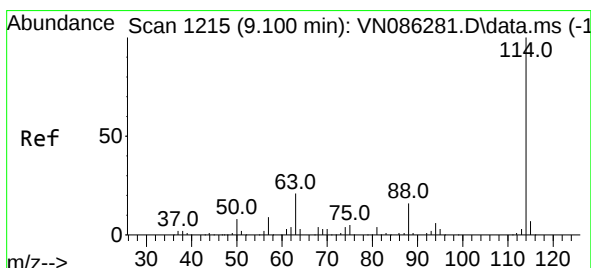
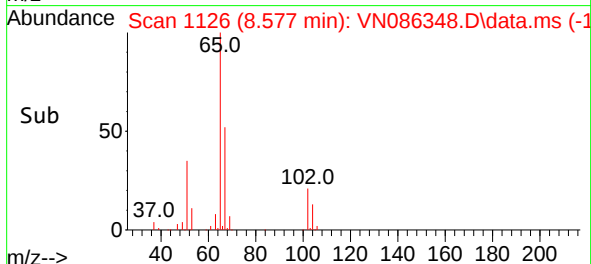
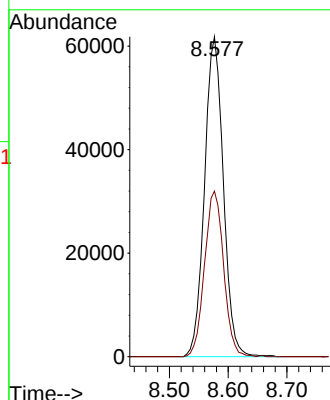
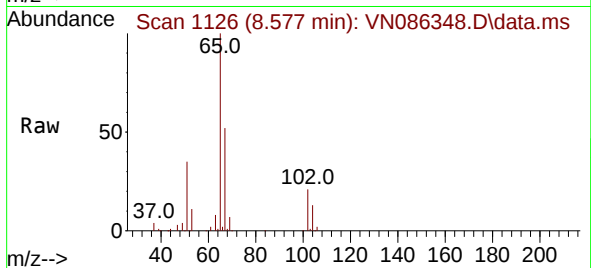
PB167623ZHE#13

Tgt Ion: 65 Resp: 137538

Ion Ratio Lower Upper

65 100

67 52.4 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086348.D

Acq: 18 Apr 2025 16:55

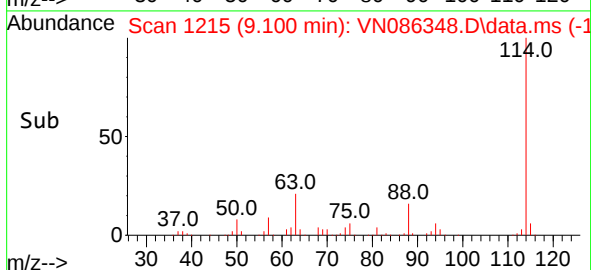
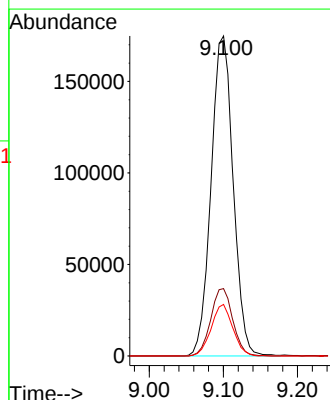
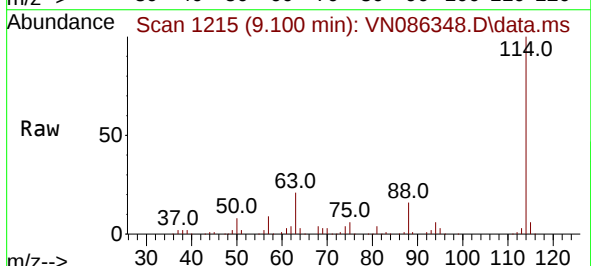
Tgt Ion: 114 Resp: 362239

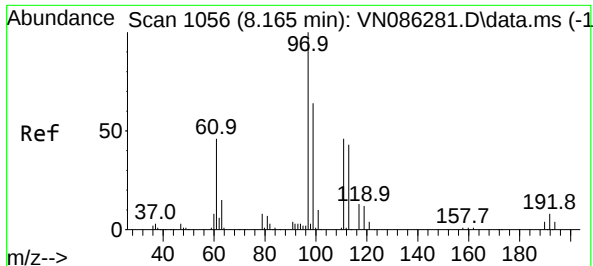
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.6

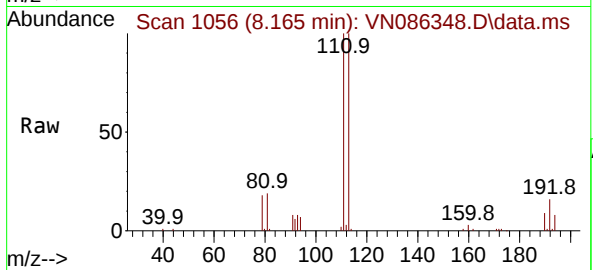
88 16.1 0.0 31.8



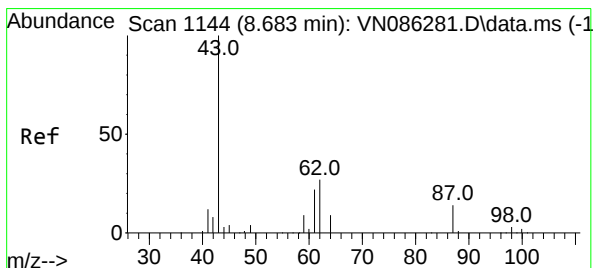
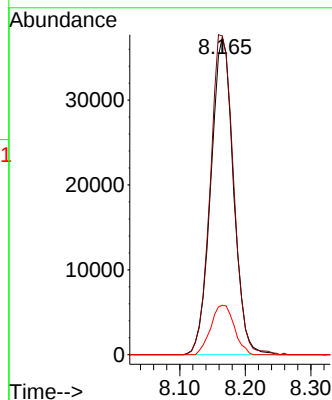
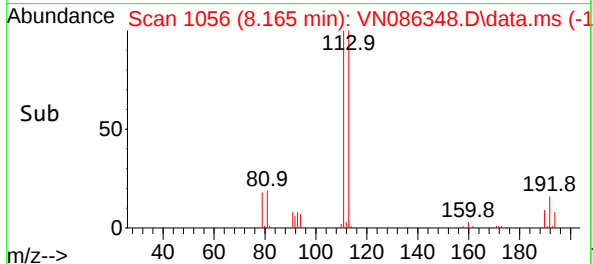


#35  
Dibromofluoromethane  
Concen: 53.219 ug/l  
RT: 8.165 min Scan# 1105  
Delta R.T. -0.000 min  
Lab File: VN086348.D  
Acq: 18 Apr 2025 16:55

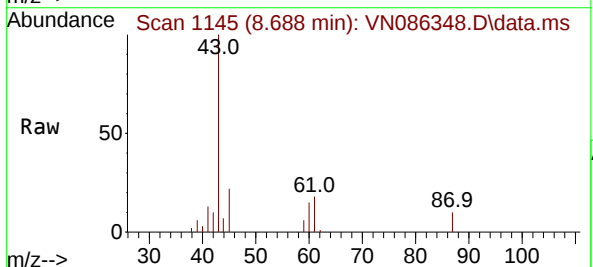
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB167623ZHE#13



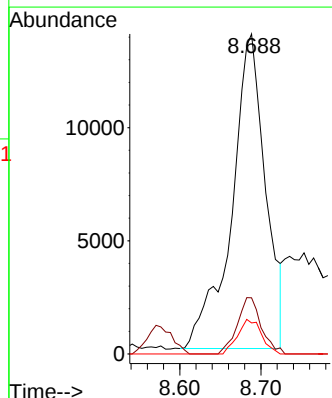
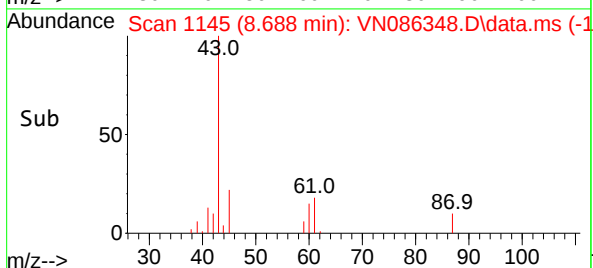
Tgt Ion:113 Resp: 89471  
Ion Ratio Lower Upper  
113 100  
111 103.5 83.4 125.0  
192 16.2 13.7 20.5

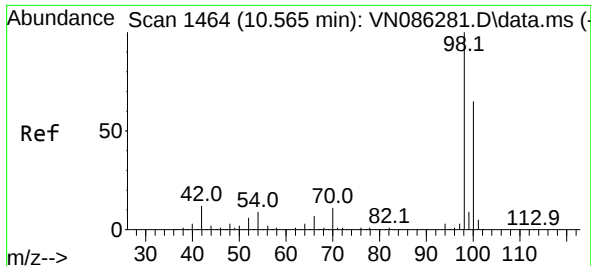


#43  
Isopropyl Acetate  
Concen: 4.561 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.005 min  
Lab File: VN086348.D  
Acq: 18 Apr 2025 16:55



Tgt Ion: 43 Resp: 40251  
Ion Ratio Lower Upper  
43 100  
61 12.7 20.5 30.7#  
87 7.7 10.5 15.7#

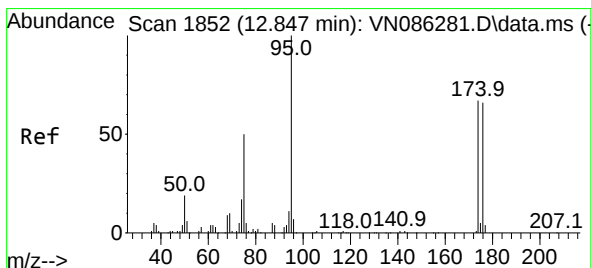
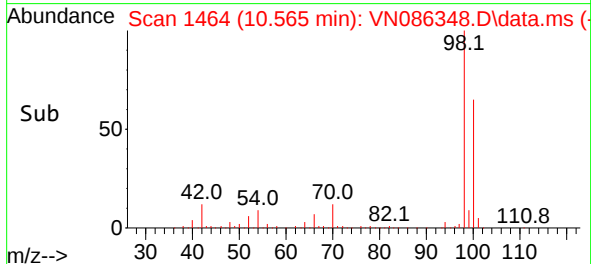
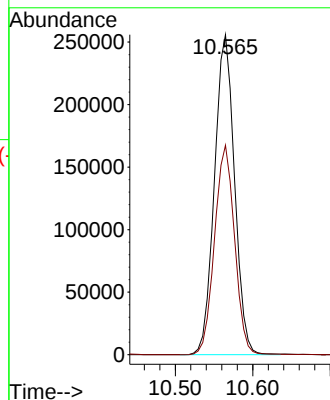
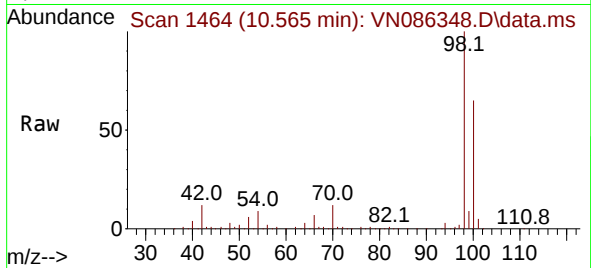




#50  
Toluene-d8  
Concen: 51.247 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN086348.D  
Acq: 18 Apr 2025 16:55

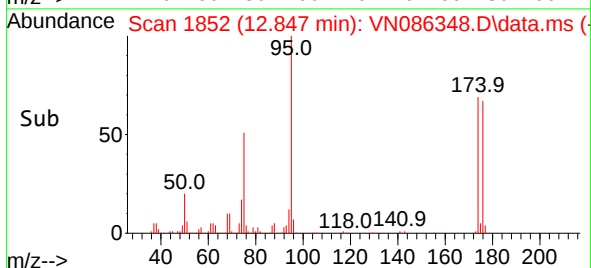
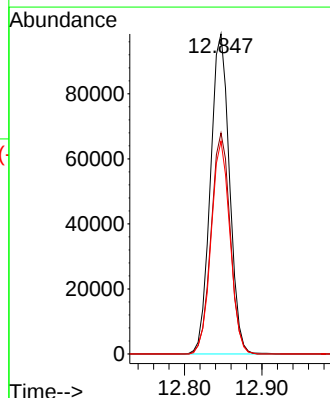
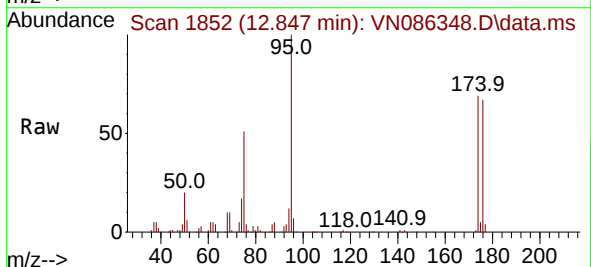
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB167623ZHE#13

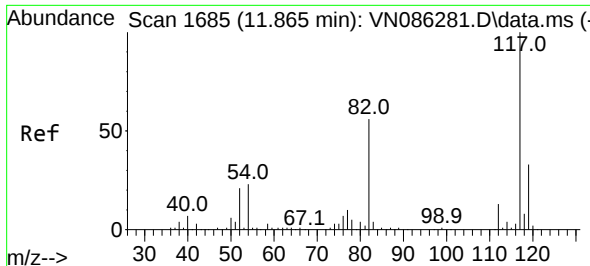
Tgt Ion: 98 Resp: 460459  
Ion Ratio Lower Upper  
98 100  
100 65.5 52.5 78.7



#62  
4-Bromofluorobenzene  
Concen: 51.182 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN086348.D  
Acq: 18 Apr 2025 16:55

Tgt Ion: 95 Resp: 167736  
Ion Ratio Lower Upper  
95 100  
174 69.2 0.0 133.4  
176 65.8 0.0 129.2

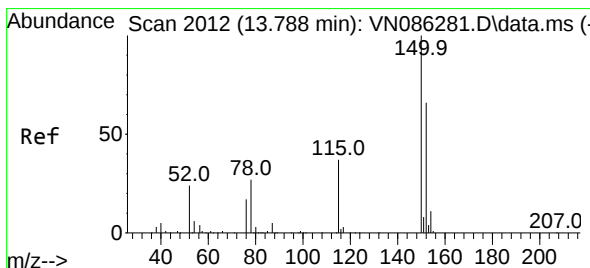
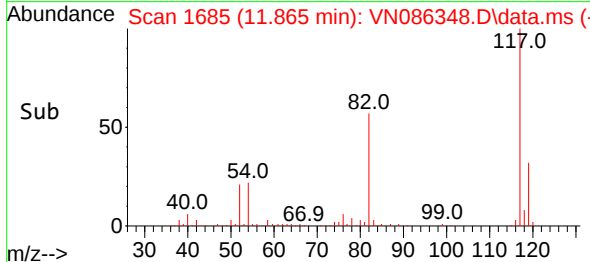
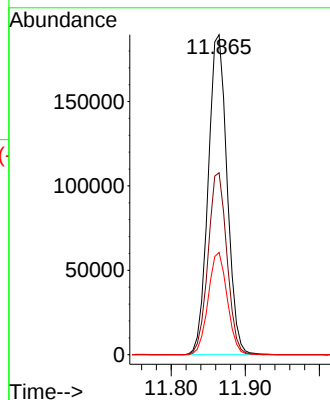
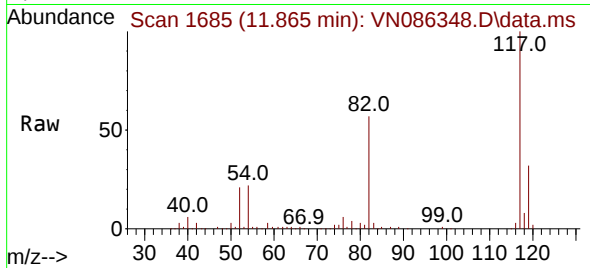




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN086348.D  
Acq: 18 Apr 2025 16:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB167623ZHE#13

Tgt Ion:117 Resp: 335998  
Ion Ratio Lower Upper  
117 100  
82 56.8 44.7 67.1  
119 32.0 26.4 39.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. -0.000 min  
Lab File: VN086348.D  
Acq: 18 Apr 2025 16:55

Tgt Ion:152 Resp: 147603  
Ion Ratio Lower Upper  
152 100  
115 62.7 31.9 95.9  
150 158.8 0.0 352.0

