

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN030625\  
 Data File : VN085901.D  
 Acq On : 06 Mar 2025 16:18  
 Operator : JC\MD  
 Sample : PB166989ZHE#03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB166989ZHE#03

Quant Time: Mar 07 00:40:31 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021825W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 19 03:43:32 2025  
 Response via : Initial Calibration

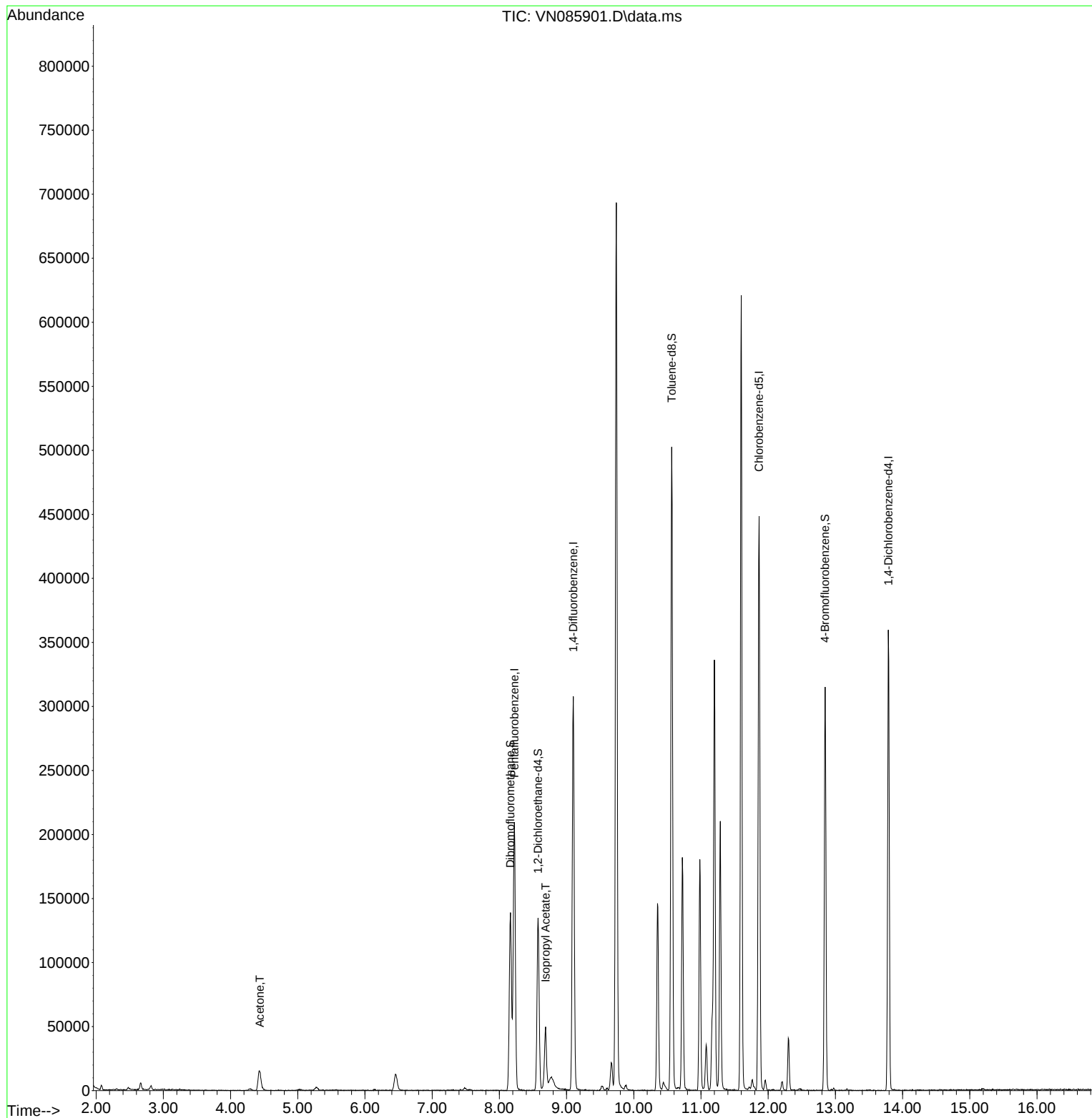
| Compound                    | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|--------|----------|
| -----                       |           |       |          |          |        |          |
| Internal Standards          |           |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.224     | 168   | 154302   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100     | 114   | 277002   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865    | 117   | 270891   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788    | 152   | 105390   | 50.000   | ug/l   | 0.00     |
|                             |           |       |          |          |        |          |
| System Monitoring Compounds |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.577     | 65    | 113364   | 56.669   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | =      | 113.340% |
| 35) Dibromofluoromethane    | 8.165     | 113   | 98022    | 54.079   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | =      | 108.160% |
| 50) Toluene-d8              | 10.565    | 98    | 363689   | 55.149   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | =      | 110.300% |
| 62) 4-Bromofluorobenzene    | 12.847    | 95    | 110591   | 50.898   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 77 - 121 | Recovery | =      | 101.800% |
|                             |           |       |          |          |        |          |
| Target Compounds            |           |       |          |          |        | Qvalue   |
| 16) Acetone                 | 4.436     | 43    | 29547    | 46.679   | ug/l   | 100      |
| 43) Isopropyl Acetate       | 8.688     | 43    | 51940    | 13.622   | ug/l # | 90       |
| -----                       |           |       |          |          |        |          |

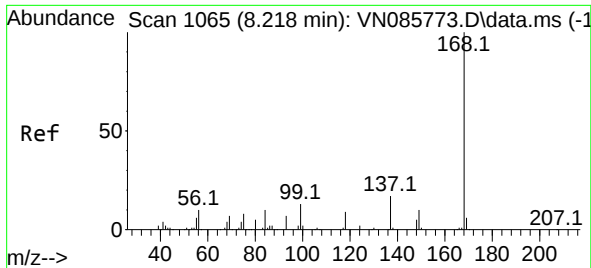
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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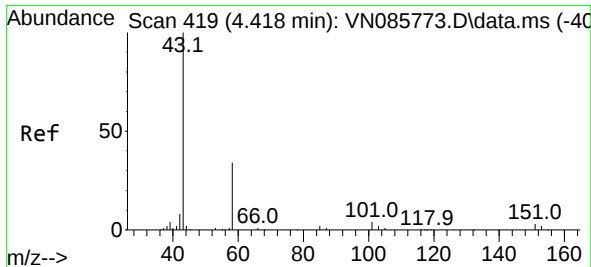
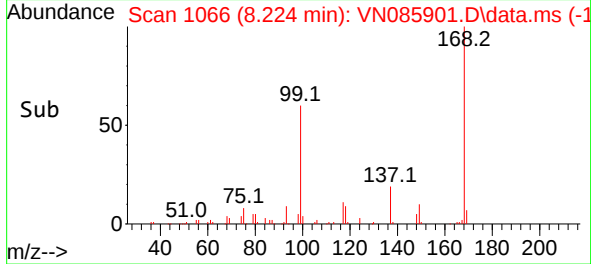
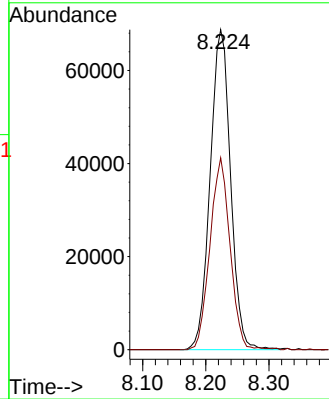
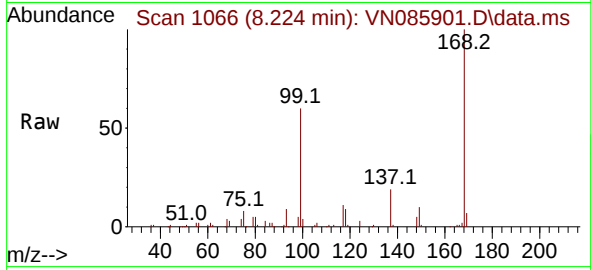




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN085901.D  
Acq: 06 Mar 2025 16:18

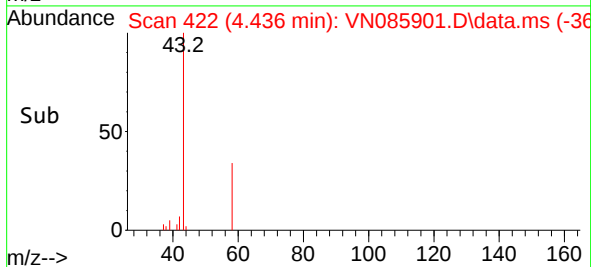
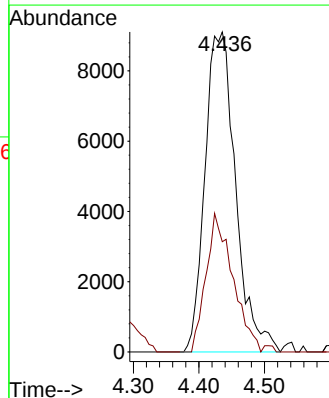
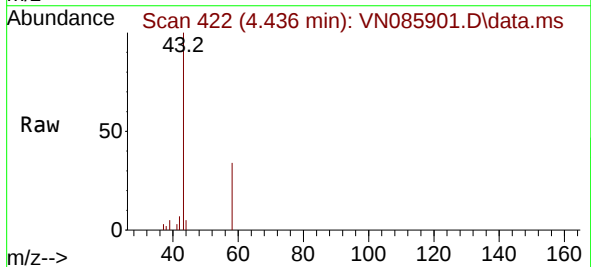
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB166989ZHE#03

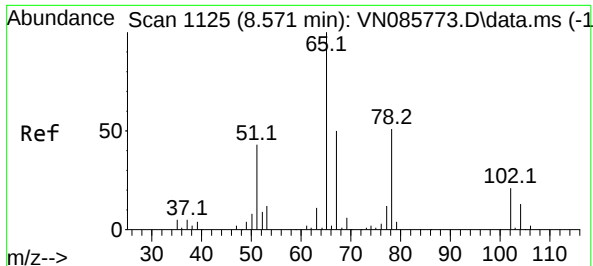
Tgt Ion:168 Resp: 154302  
Ion Ratio Lower Upper  
168 100  
99 60.0 47.9 71.9



#16  
Acetone  
Concen: 46.679 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.018 min  
Lab File: VN085901.D  
Acq: 06 Mar 2025 16:18

Tgt Ion: 43 Resp: 29547  
Ion Ratio Lower Upper  
43 100  
58 34.5 27.5 41.3





#33

1,2-Dichloroethane-d4

Concen: 56.669 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085901.D

Acq: 06 Mar 2025 16:18

Instrument :

MSVOA\_N

ClientSampleId :

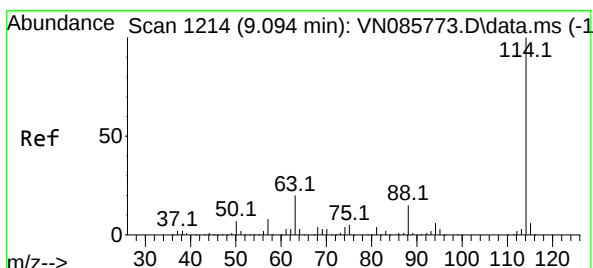
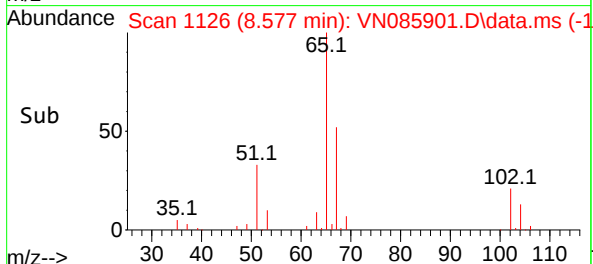
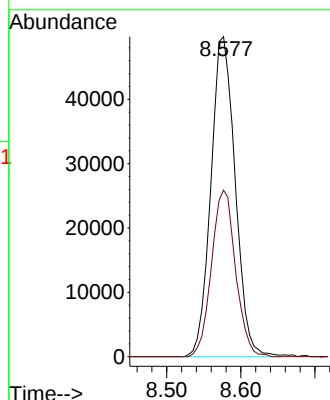
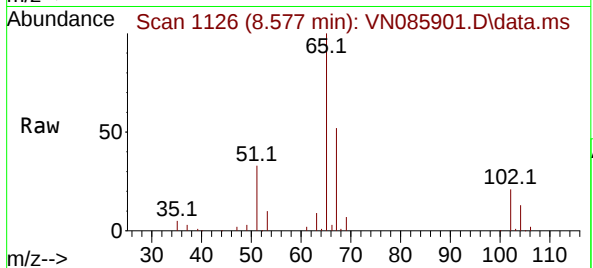
PB166989ZHE#03

Tgt Ion: 65 Resp: 113364

Ion Ratio Lower Upper

65 100

67 51.5 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085901.D

Acq: 06 Mar 2025 16:18

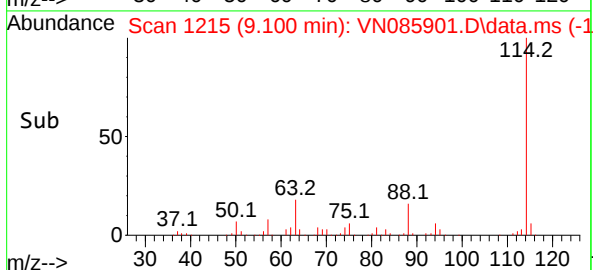
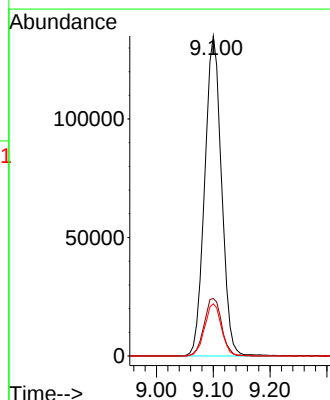
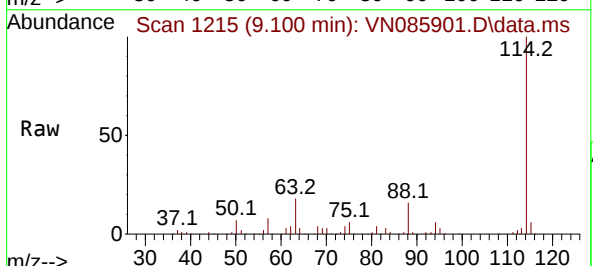
Tgt Ion: 114 Resp: 277002

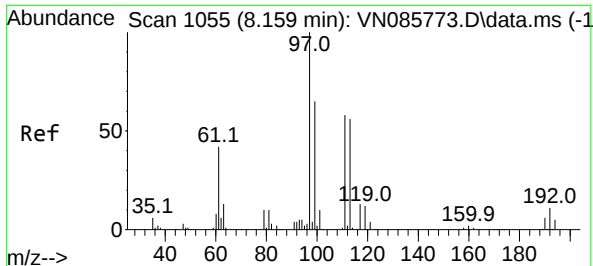
Ion Ratio Lower Upper

114 100

63 18.0 0.0 39.2

88 16.3 0.0 30.0





#35

Dibromofluoromethane

Concen: 54.079 ug/l

RT: 8.165 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VN085901.D

Acq: 06 Mar 2025 16:18

Instrument :

MSVOA\_N

ClientSampleId :

PB166989ZHE#03

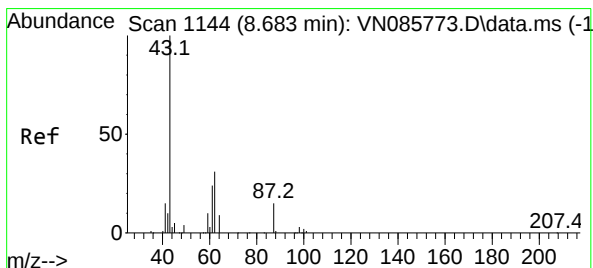
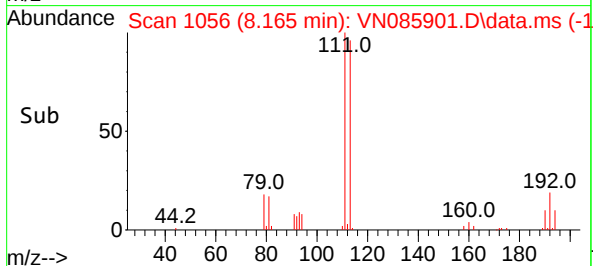
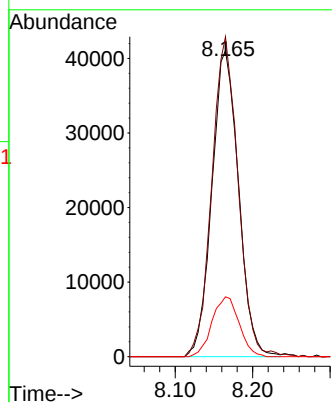
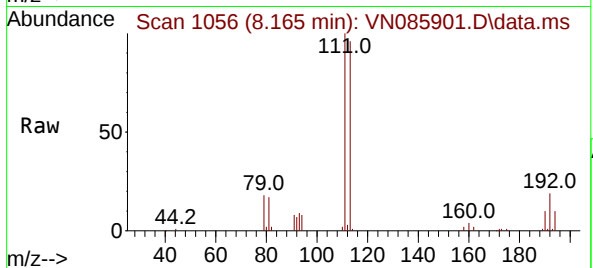
Tgt Ion:113 Resp: 98022

Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.4

192 19.9 14.7 22.1



#43

Isopropyl Acetate

Concen: 13.622 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.005 min

Lab File: VN085901.D

Acq: 06 Mar 2025 16:18

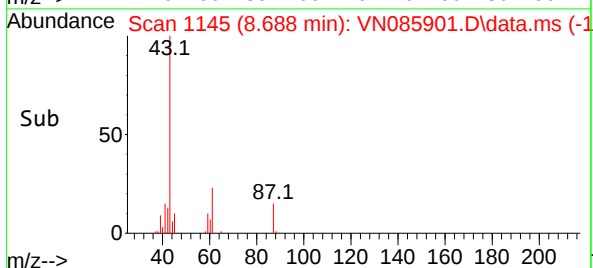
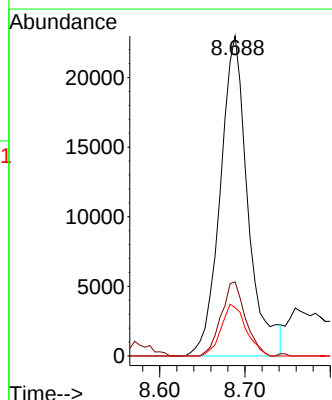
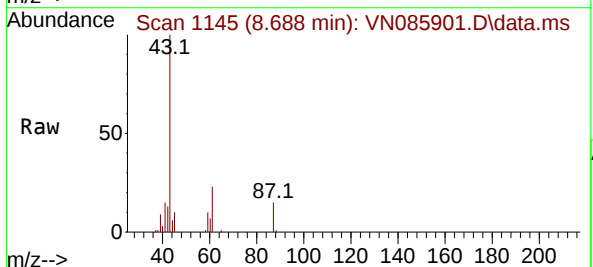
Tgt Ion: 43 Resp: 51940

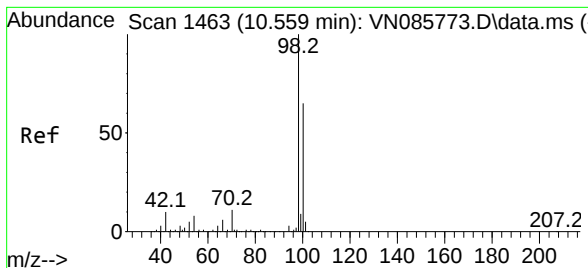
Ion Ratio Lower Upper

43 100

61 20.2 22.6 34.0#

87 14.5 11.8 17.8

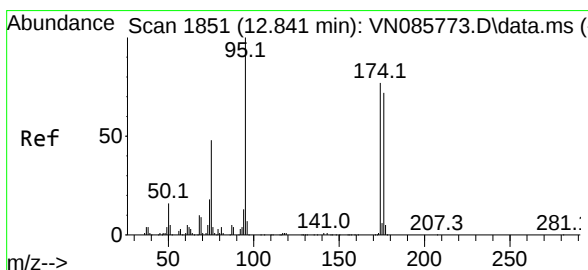
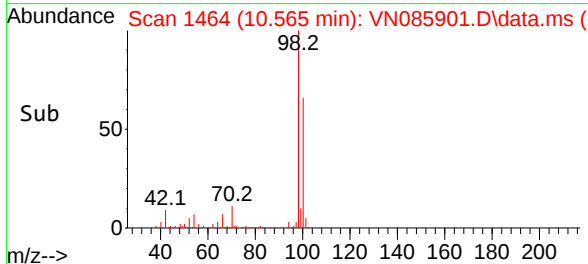
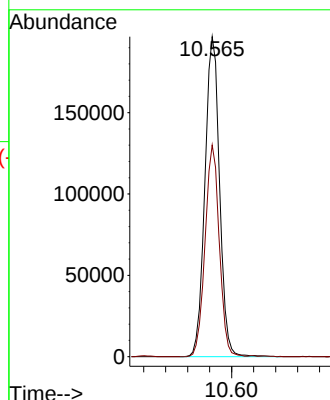
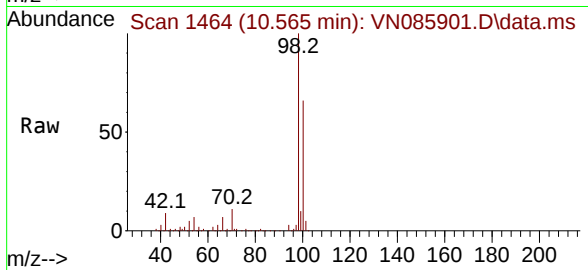




#50  
Toluene-d8  
Concen: 55.149 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.006 min  
Lab File: VN085901.D  
Acq: 06 Mar 2025 16:18

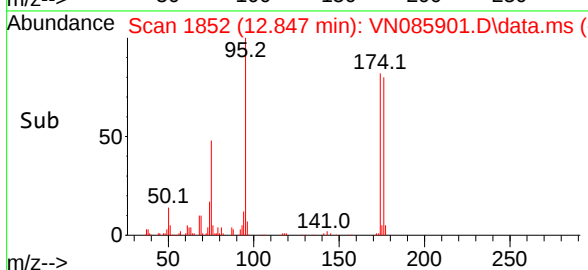
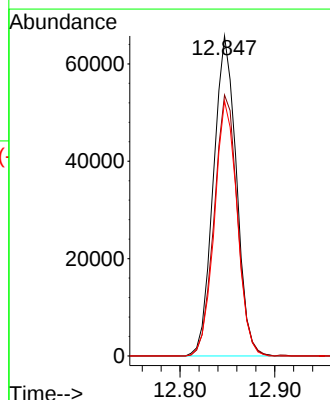
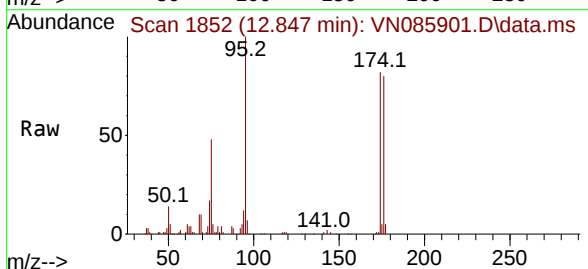
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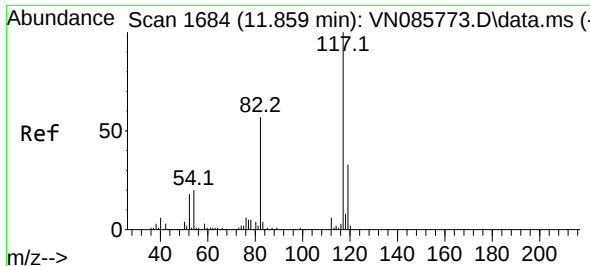
Tgt Ion: 98 Resp: 363689  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 50.898 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.006 min  
Lab File: VN085901.D  
Acq: 06 Mar 2025 16:18

Tgt Ion: 95 Resp: 110591  
Ion Ratio Lower Upper  
95 100  
174 82.6 0.0 152.4  
176 78.9 0.0 146.6

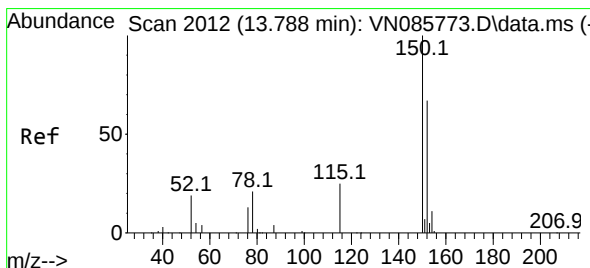
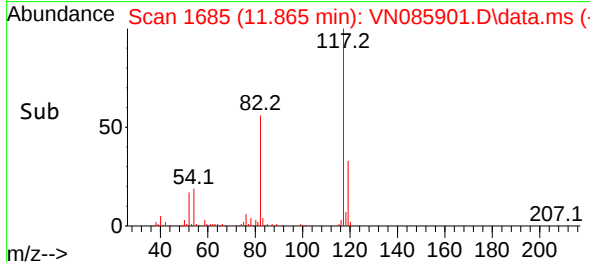
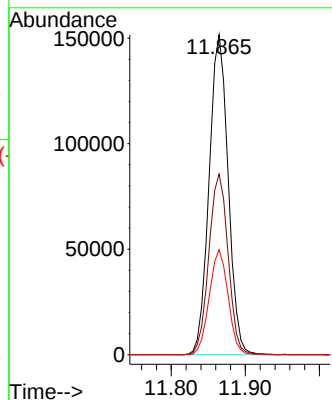
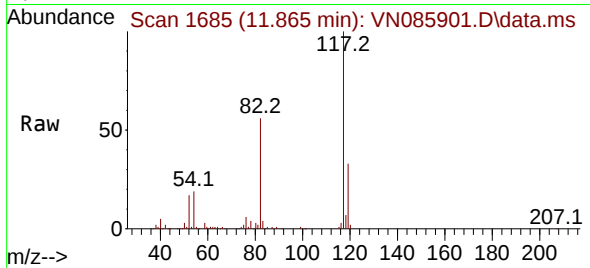




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. 0.006 min  
Lab File: VN085901.D  
Acq: 06 Mar 2025 16:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB166989ZHE#03

Tgt Ion:117 Resp: 270891  
Ion Ratio Lower Upper  
117 100  
82 56.5 45.7 68.5  
119 32.8 26.2 39.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. -0.000 min  
Lab File: VN085901.D  
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Tgt Ion:152 Resp: 105390  
Ion Ratio Lower Upper  
152 100  
115 59.0 30.4 91.3  
150 155.7 0.0 345.4

