

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051525\  
 Data File : VN086644.D  
 Acq On : 15 May 2025 14:47  
 Operator : JC\MD  
 Sample : PB167995ZHE#06  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB167995ZHE#06

Quant Time: May 16 05:27:59 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

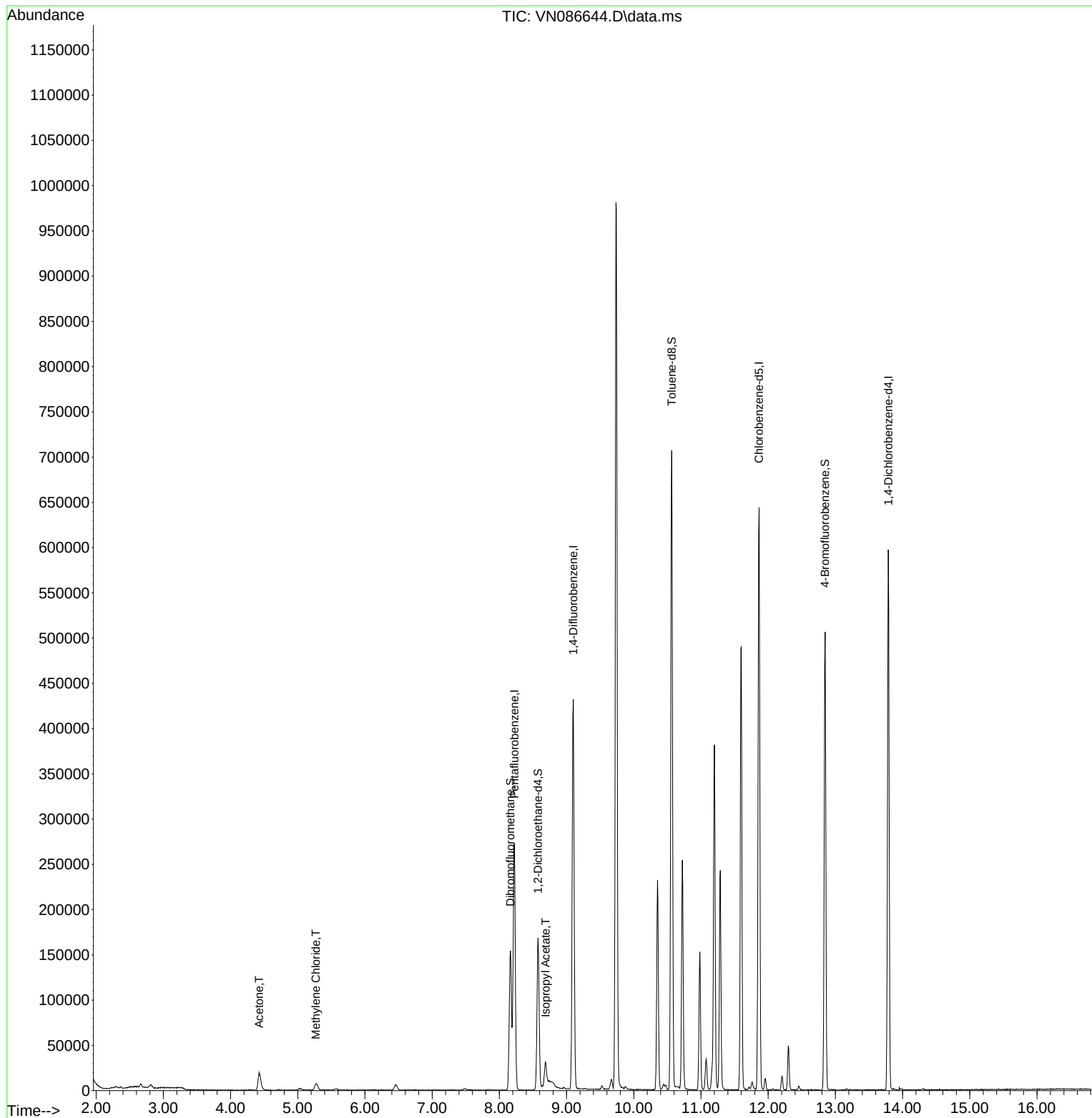
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|--------|-----------|
| -----                       |        |       |          |          |        |           |
| Internal Standards          |        |       |          |          |        |           |
| 1) Pentafluorobenzene       | 8.224  | 168   | 208243   | 50.000   | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 9.100  | 114   | 391928   | 50.000   | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 391775   | 50.000   | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.788 | 152   | 168726   | 50.000   | ug/l   | 0.00      |
| System Monitoring Compounds |        |       |          |          |        |           |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 140492   | 46.525   | ug/l   | 0.00      |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 93.060%   |
| 35) Dibromofluoromethane    | 8.165  | 113   | 115911   | 63.723   | ug/l   | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 127.440%# |
| 50) Toluene-d8              | 10.565 | 98    | 505825   | 52.031   | ug/l   | 0.00      |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 104.060%  |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 189423   | 53.421   | ug/l   | 0.00      |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =      | 106.840%  |
| Target Compounds            |        |       |          |          |        |           |
|                             |        |       |          |          | Qvalue |           |
| 16) Acetone                 | 4.424  | 43    | 37786    | 31.197   | ug/l   | 100       |
| 20) Methylene Chloride      | 5.271  | 84    | 6627     | 2.374    | ug/l # | 80        |
| 43) Isopropyl Acetate       | 8.688  | 43    | 41495    | 4.257    | ug/l # | 81        |
| -----                       |        |       |          |          |        |           |

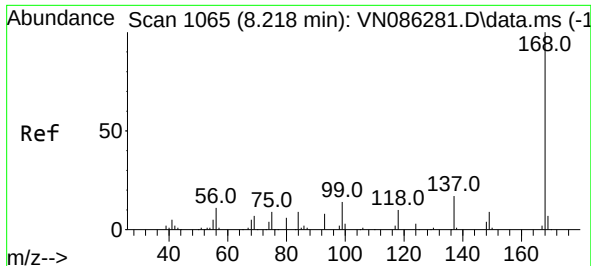
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : PB167995ZHE#06  
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ALS Vial : 14 Sample Multiplier: 1

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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

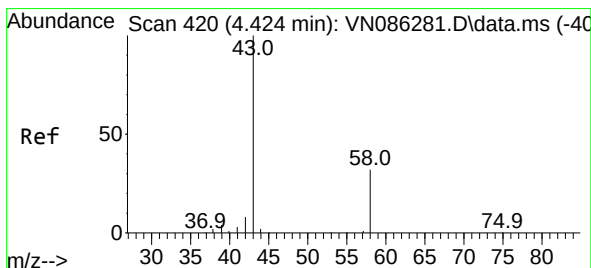
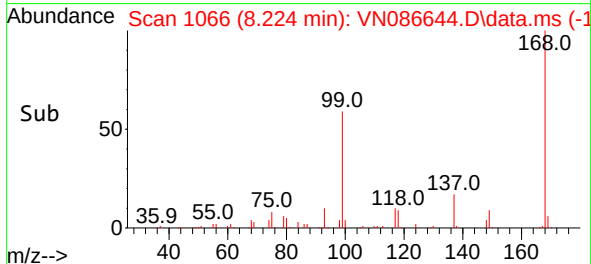
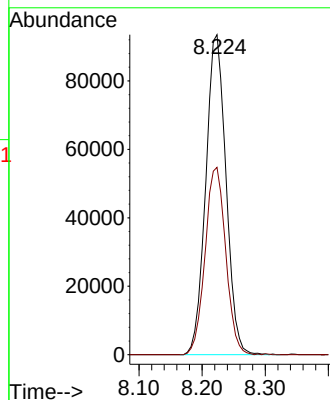
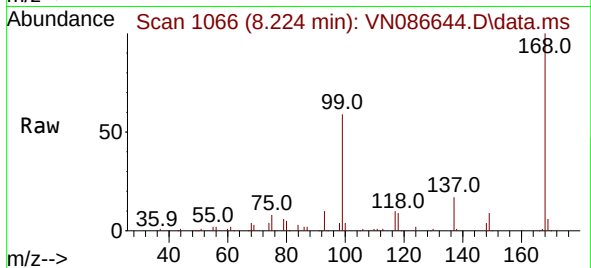




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN086644.D  
Acq: 15 May 2025 14:47

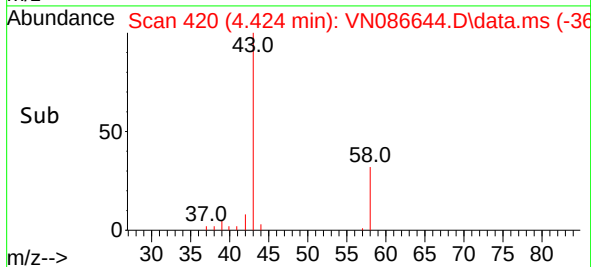
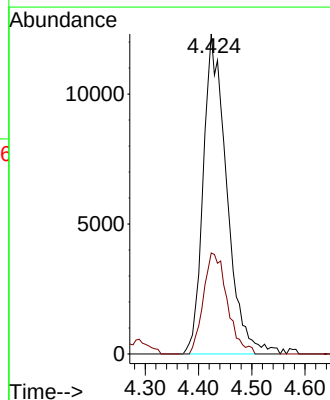
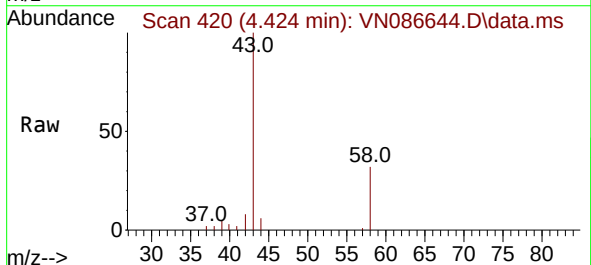
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB167995ZHE#06

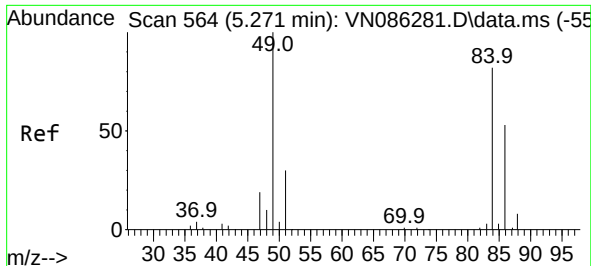
Tgt Ion:168 Resp: 208243  
Ion Ratio Lower Upper  
168 100  
99 58.6 52.5 78.7



#16  
Acetone  
Concen: 31.197 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. -0.000 min  
Lab File: VN086644.D  
Acq: 15 May 2025 14:47

Tgt Ion: 43 Resp: 37786  
Ion Ratio Lower Upper  
43 100  
58 31.6 25.3 37.9

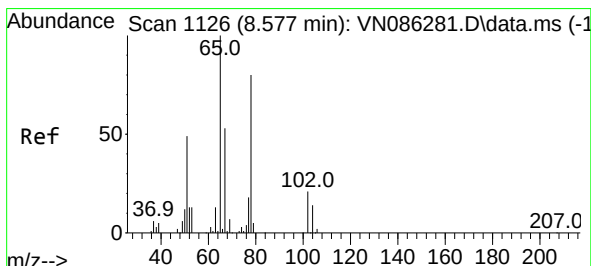
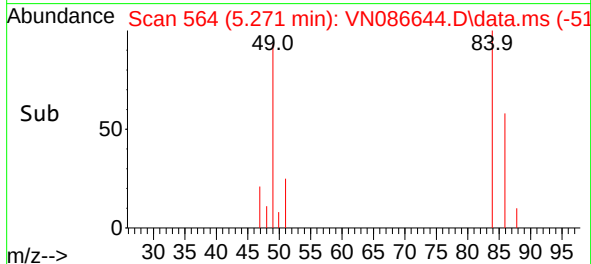
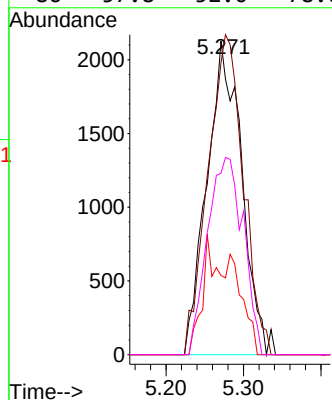
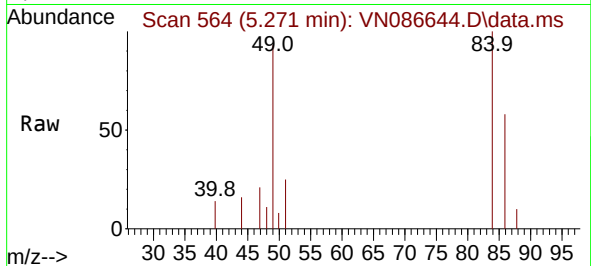




#20  
Methylene Chloride  
Concen: 2.374 ug/l  
RT: 5.271 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VN086644.D  
Acq: 15 May 2025 14:47

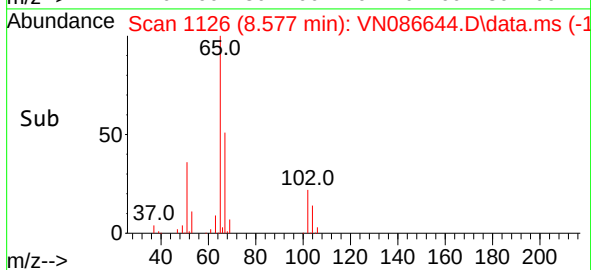
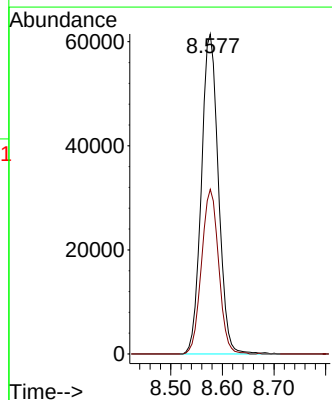
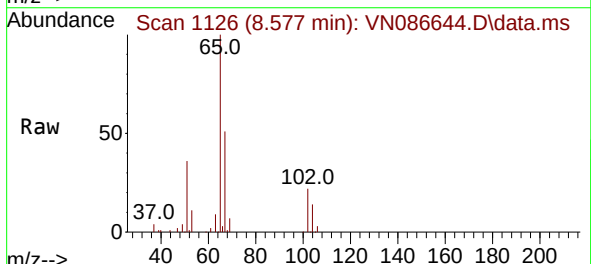
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB167995ZHE#06

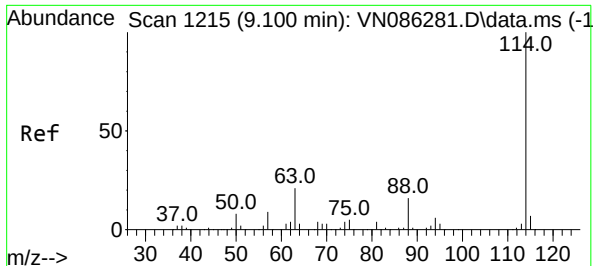
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 6627   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 93.1  | 98.2  | 147.2# |
| 51       | 25.2  | 29.8  | 44.6#  |
| 86       | 57.8  | 52.0  | 78.0   |



#33  
1,2-Dichloroethane-d4  
Concen: 46.525 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN086644.D  
Acq: 15 May 2025 14:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 140492 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 51.7  | 0.0   | 106.0  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086644.D

Acq: 15 May 2025 14:47

Instrument :

MSVOA\_N

ClientSampleId :

PB167995ZHE#06

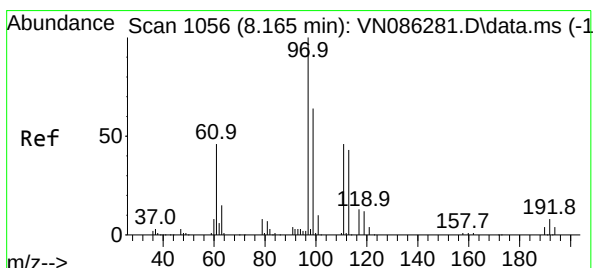
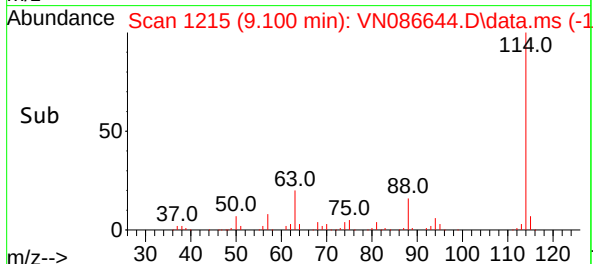
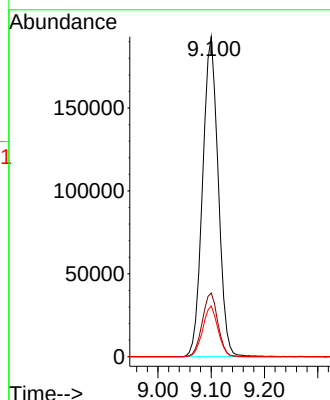
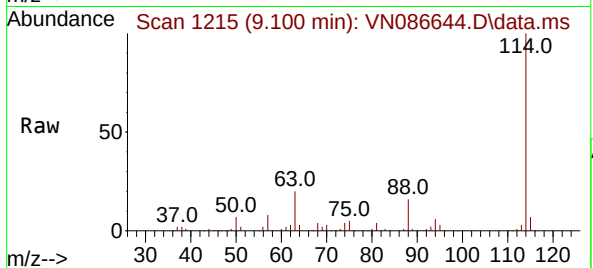
Tgt Ion:114 Resp: 391928

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

88 15.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 63.723 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086644.D

Acq: 15 May 2025 14:47

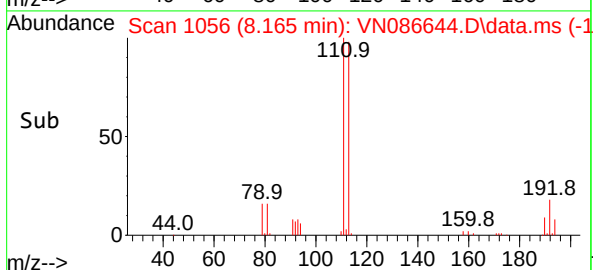
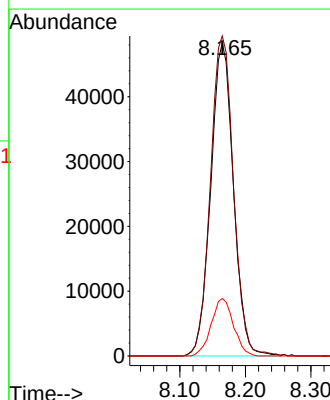
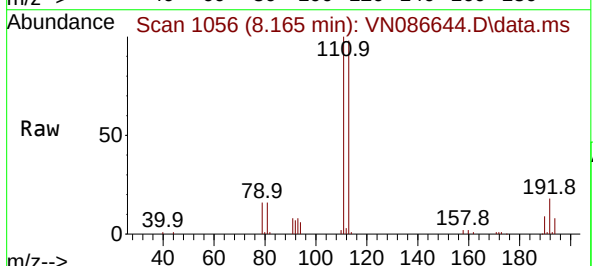
Tgt Ion:113 Resp: 115911

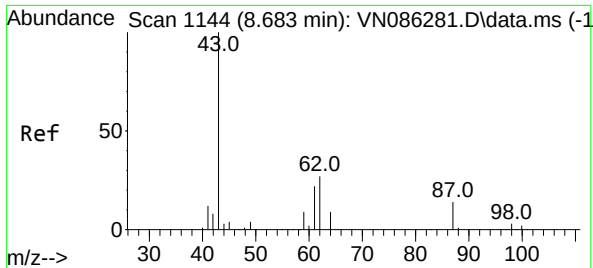
Ion Ratio Lower Upper

113 100

111 103.8 83.4 125.0

192 18.0 13.7 20.5

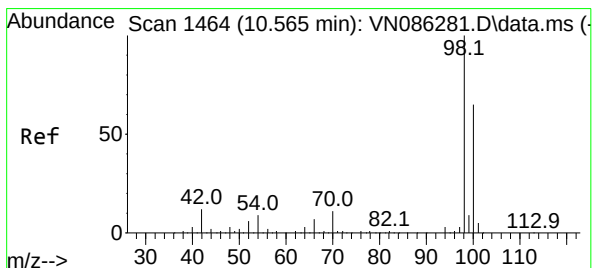
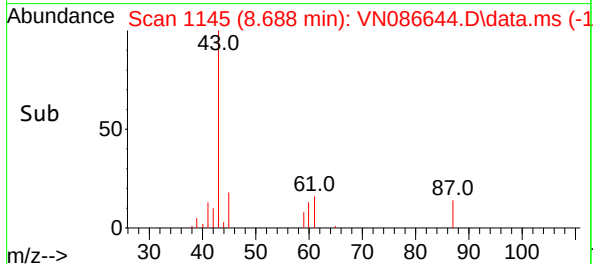
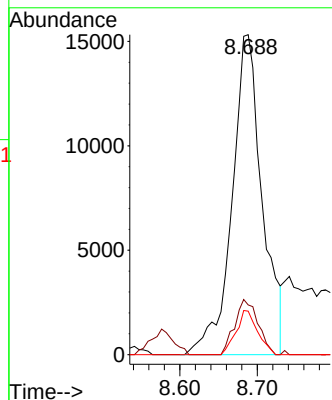
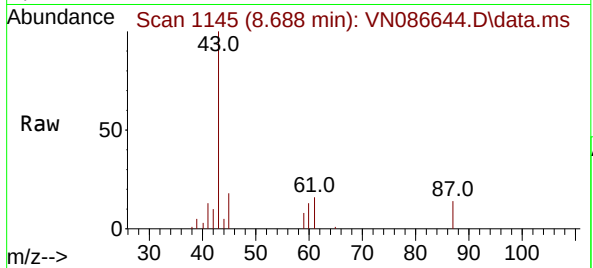




#43  
Isopropyl Acetate  
Concen: 4.257 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.005 min  
Lab File: VN086644.D  
Acq: 15 May 2025 14:47

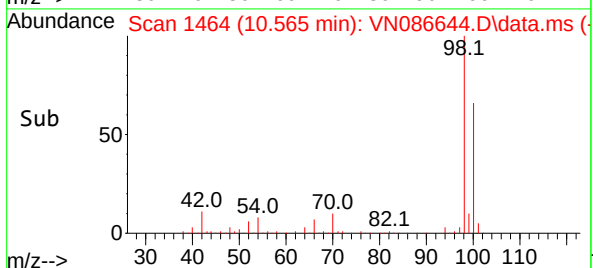
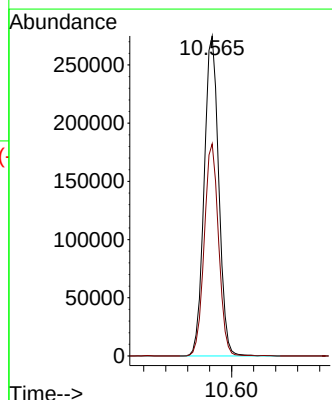
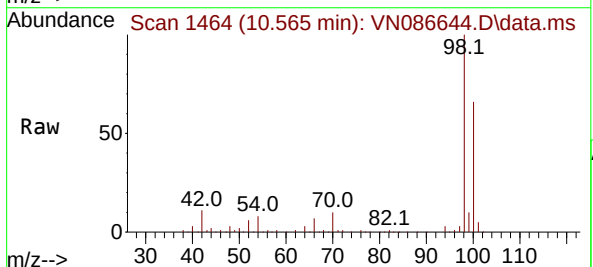
Instrument :  
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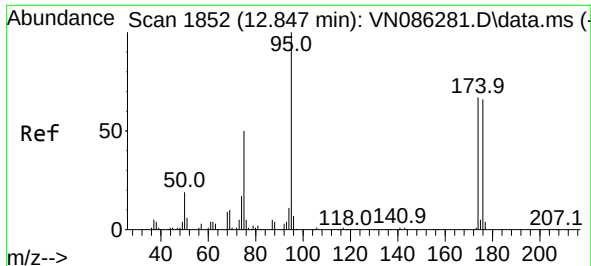
Tgt Ion: 43 Resp: 41495  
Ion Ratio Lower Upper  
43 100  
61 13.3 20.5 30.7#  
87 9.8 10.5 15.7#



#50  
Toluene-d8  
Concen: 52.031 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN086644.D  
Acq: 15 May 2025 14:47

Tgt Ion: 98 Resp: 505825  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.5 78.7

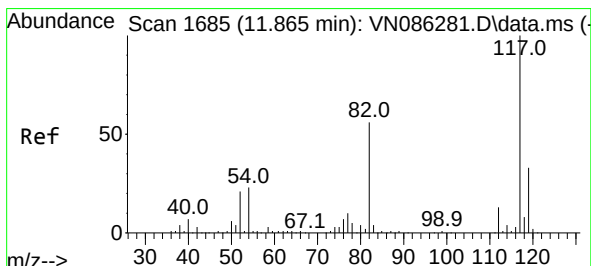
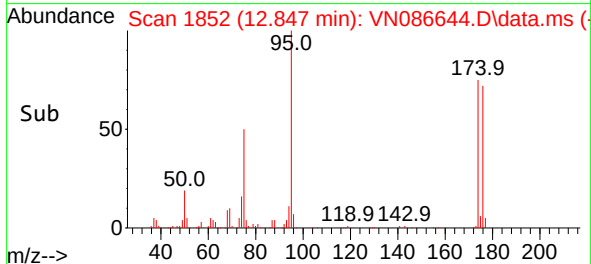
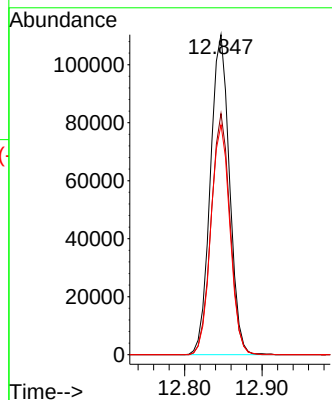
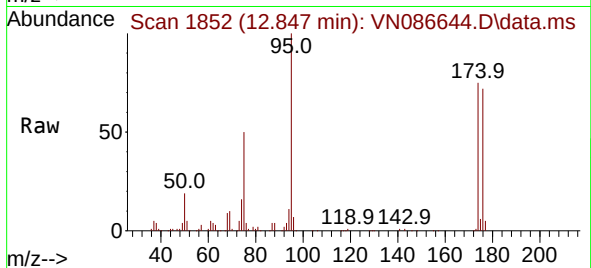




#62  
4-Bromofluorobenzene  
Concen: 53.421 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN086644.D  
Acq: 15 May 2025 14:47

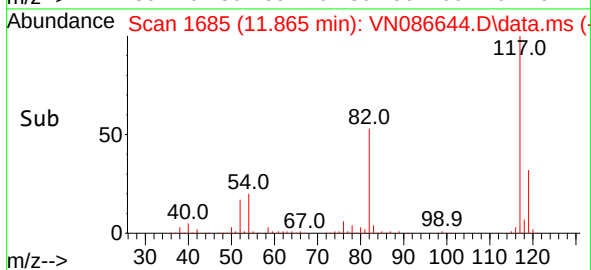
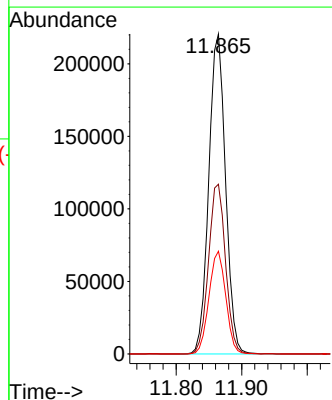
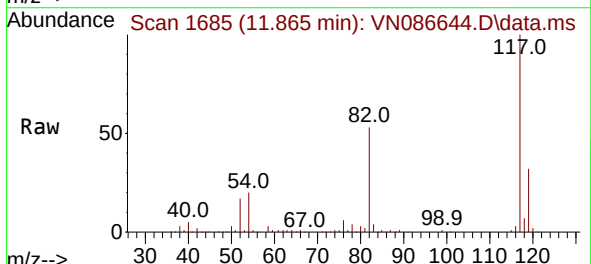
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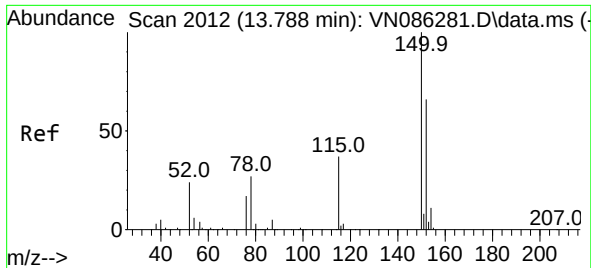
Tgt Ion: 95 Resp: 189423  
Ion Ratio Lower Upper  
95 100  
174 74.4 0.0 133.4  
176 71.6 0.0 129.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN086644.D  
Acq: 15 May 2025 14:47

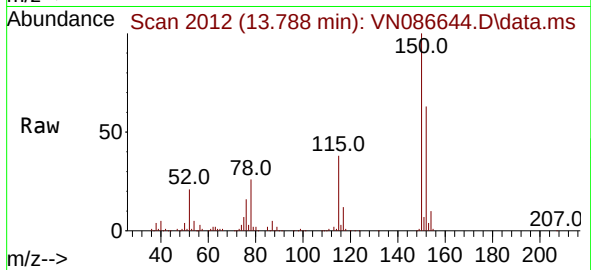
Tgt Ion: 117 Resp: 391775  
Ion Ratio Lower Upper  
117 100  
82 53.1 44.7 67.1  
119 32.1 26.4 39.6





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.788 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VN086644.D  
 Acq: 15 May 2025 14:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB167995ZHE#06



Tgt Ion:152 Resp: 168726  
 Ion Ratio Lower Upper  
 152 100  
 115 60.1 31.9 95.9  
 150 157.2 0.0 352.0

