

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN070325\  
 Data File : VN087266.D  
 Acq On : 03 Jul 2025 13:21  
 Operator : JC\MD  
 Sample : PB168690TB  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB168690TB

Quant Time: Jul 04 01:30:33 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N063025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 01 03:15:00 2025  
 Response via : Initial Calibration

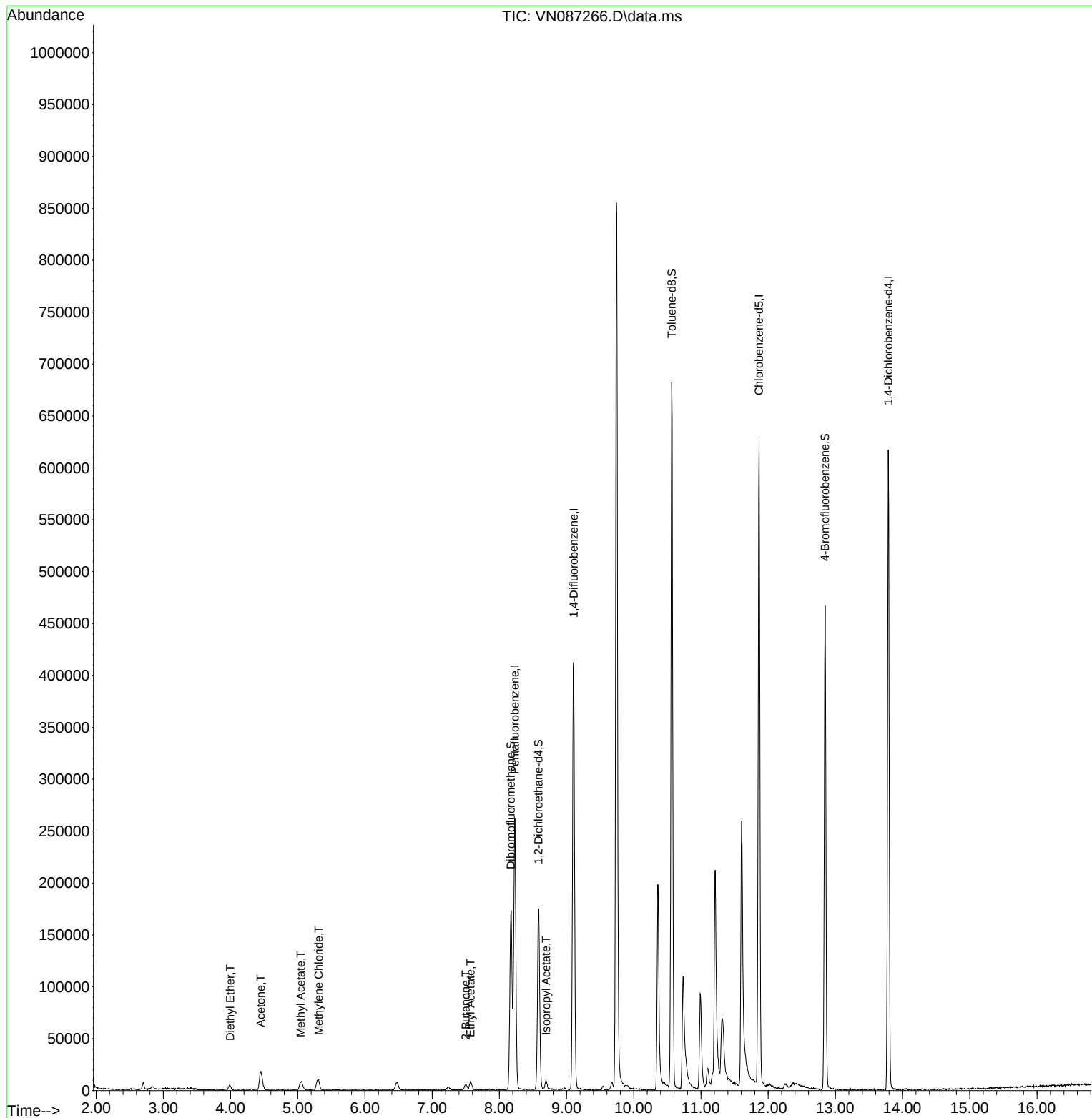
| Compound                    | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-----------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                       |           |                |          |            |        |          |
| Internal Standards          |           |                |          |            |        |          |
| 1) Pentafluorobenzene       | 8.230     | 168            | 200936   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106     | 114            | 384985   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865    | 117            | 375178   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788    | 152            | 175253   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds |           |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.582     | 65             | 145209   | 57.580     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 74 - 125 | Recovery | = 115.160% |        |          |
| 35) Dibromofluoromethane    | 8.171     | 113            | 128857   | 52.273     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 75 - 124 | Recovery | = 104.540% |        |          |
| 50) Toluene-d8              | 10.565    | 98             | 484631   | 50.438     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 86 - 113 | Recovery | = 100.880% |        |          |
| 62) 4-Bromofluorobenzene    | 12.847    | 95             | 161874   | 47.349     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 77 - 121 | Recovery | = 94.700%  |        |          |
| Target Compounds            |           |                |          |            |        |          |
|                             |           |                |          |            |        | Qvalue   |
| 8) Diethyl Ether            | 3.995     | 74             | 3201     | 2.961      | ug/l   | 91       |
| 16) Acetone                 | 4.447     | 43             | 36186    | 37.532     | ug/l   | 90       |
| 18) Methyl Acetate          | 5.047     | 43             | 17773    | 8.052      | ug/l   | 96       |
| 20) Methylene Chloride      | 5.312     | 84             | 9349     | 4.377      | ug/l   | 96       |
| 25) 2-Butanone              | 7.500     | 43             | 9253     | 6.141      | ug/l # | 84       |
| 37) Ethyl Acetate           | 7.571     | 43             | 12716    | 3.529      | ug/l   | 98       |
| 43) Isopropyl Acetate       | 8.694     | 43             | 9931     | 1.777      | ug/l # | 89       |
| -----                       |           |                |          |            |        |          |

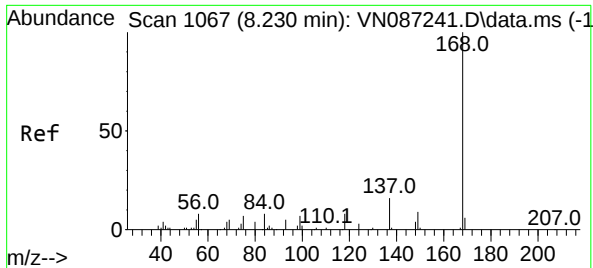
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Jul 01 03:15:00 2025  
Response via : Initial Calibration

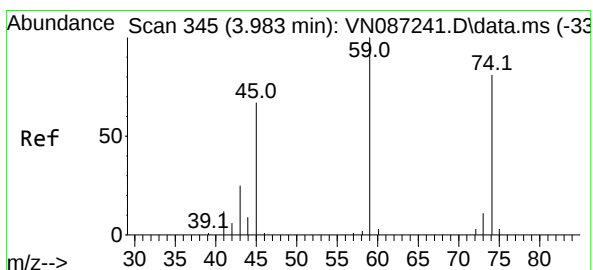
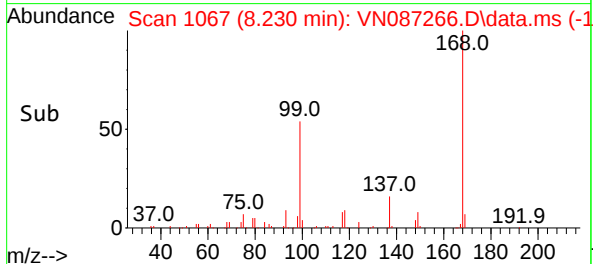
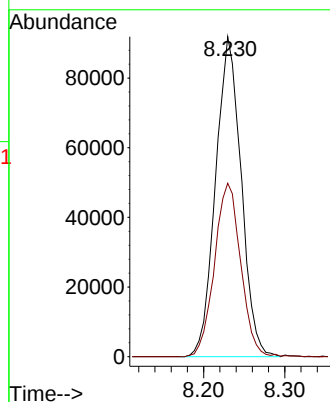
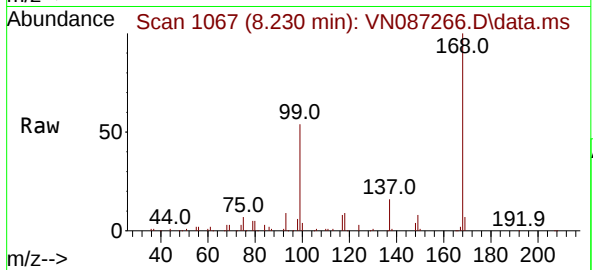




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.000 min  
Lab File: VN087266.D  
Acq: 03 Jul 2025 13:21

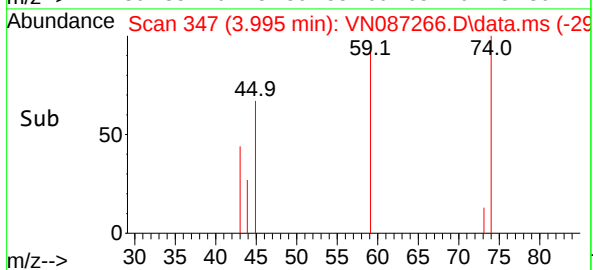
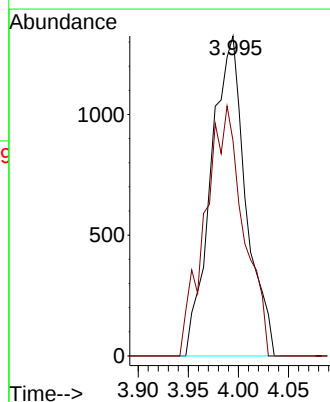
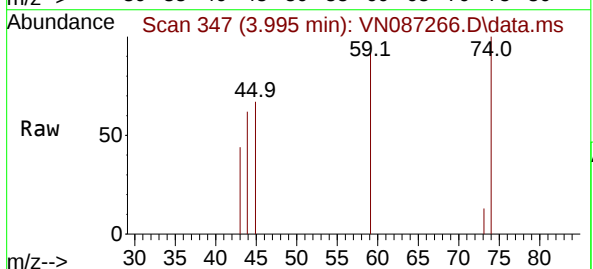
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB168690TB

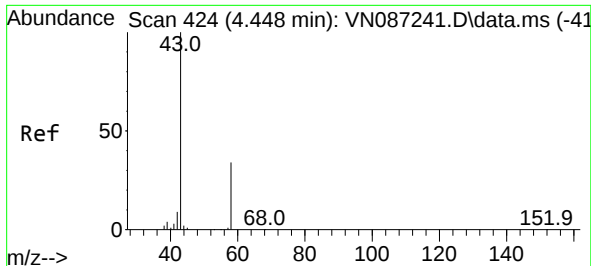
Tgt Ion:168 Resp: 200936  
Ion Ratio Lower Upper  
168 100  
99 54.2 42.6 64.0



#8  
Diethyl Ether  
Concen: 2.961 ug/l  
RT: 3.995 min Scan# 347  
Delta R.T. 0.012 min  
Lab File: VN087266.D  
Acq: 03 Jul 2025 13:21

Tgt Ion: 74 Resp: 3201  
Ion Ratio Lower Upper  
74 100  
45 86.4 39.4 118.1

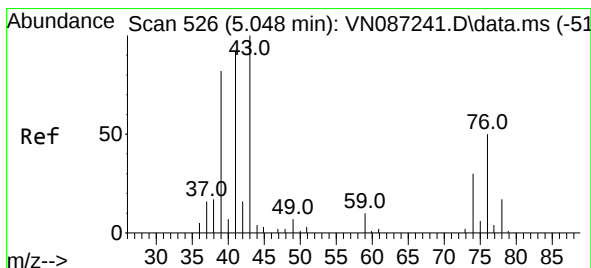
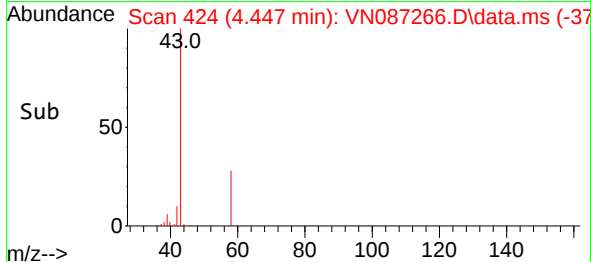
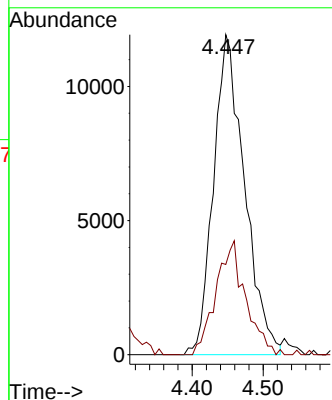
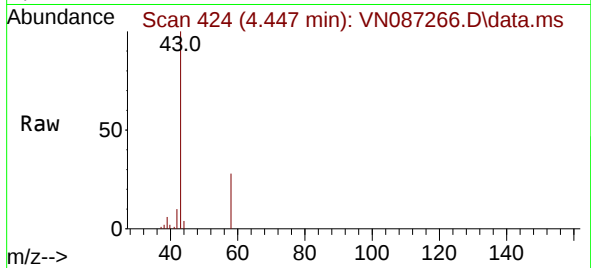




#16  
Acetone  
Concen: 37.532 ug/l  
RT: 4.447 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VN087266.D  
Acq: 03 Jul 2025 13:21

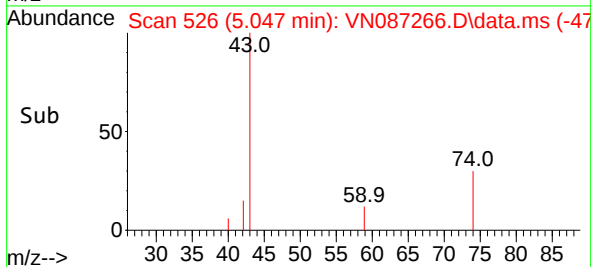
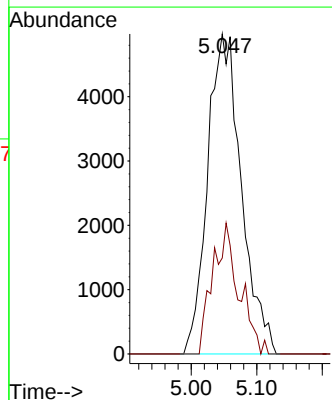
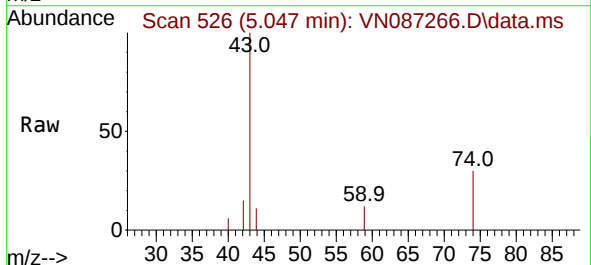
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB168690TB

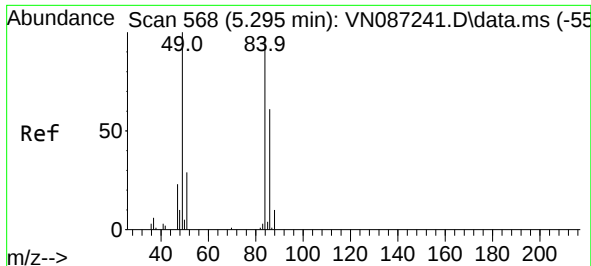
Tgt Ion: 43 Resp: 36186  
Ion Ratio Lower Upper  
43 100  
58 28.2 27.1 40.7



#18  
Methyl Acetate  
Concen: 8.052 ug/l  
RT: 5.047 min Scan# 526  
Delta R.T. -0.000 min  
Lab File: VN087266.D  
Acq: 03 Jul 2025 13:21

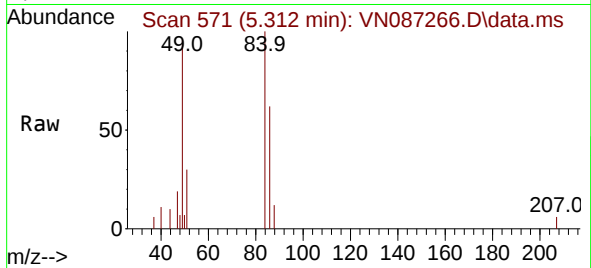
Tgt Ion: 43 Resp: 17773  
Ion Ratio Lower Upper  
43 100  
74 31.9 23.8 35.6



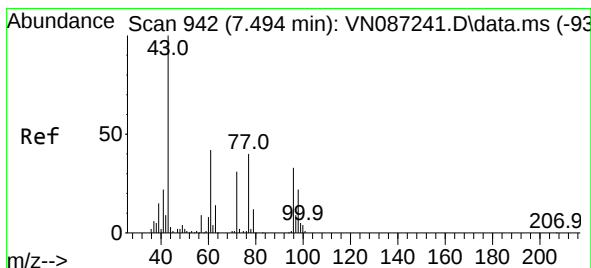
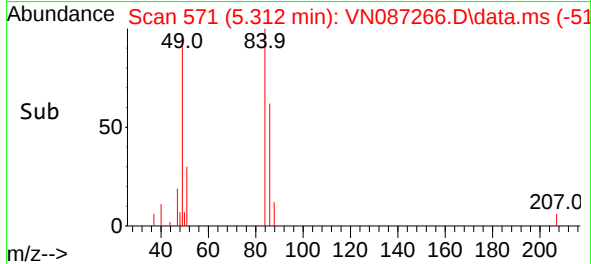
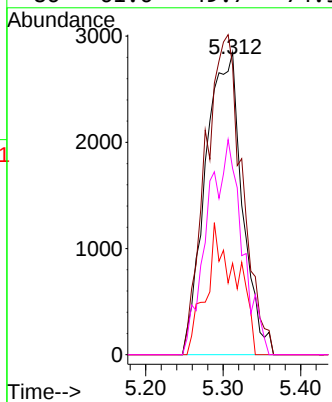


#20  
Methylene Chloride  
Concen: 4.377 ug/l  
RT: 5.312 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: VN087266.D  
Acq: 03 Jul 2025 13:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB168690TB

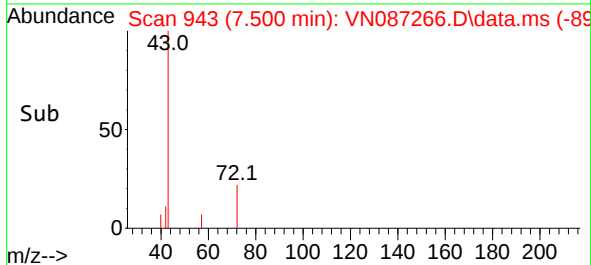
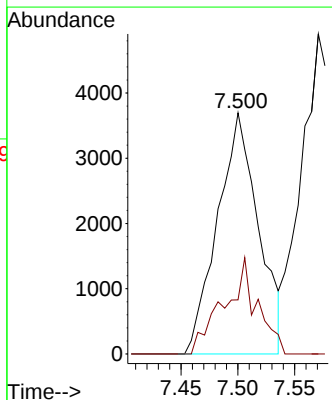
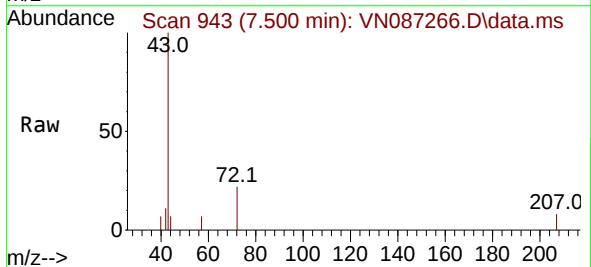


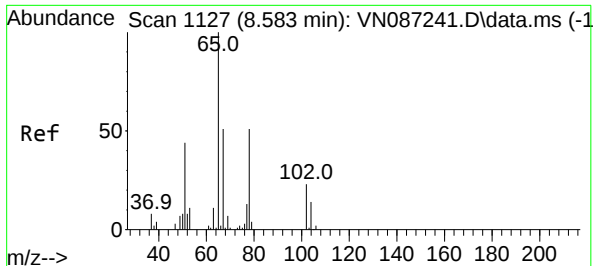
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 9349  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 95.7  | 82.1  | 123.1 |
| 51       | 30.2  | 23.5  | 35.3  |
| 86       | 61.6  | 49.7  | 74.5  |



#25  
2-Butanone  
Concen: 6.141 ug/l  
RT: 7.500 min Scan# 943  
Delta R.T. 0.006 min  
Lab File: VN087266.D  
Acq: 03 Jul 2025 13:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 9253  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 22.4  | 24.8  | 37.2# |





#33

1,2-Dichloroethane-d4

Concen: 57.580 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN087266.D

Acq: 03 Jul 2025 13:21

Instrument :

MSVOA\_N

ClientSampleId :

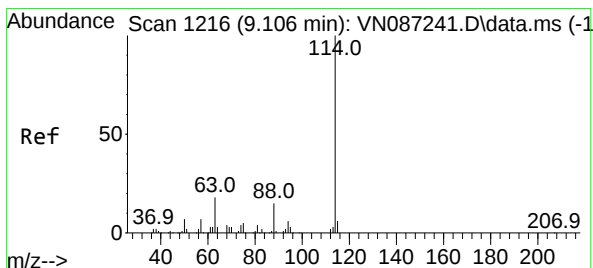
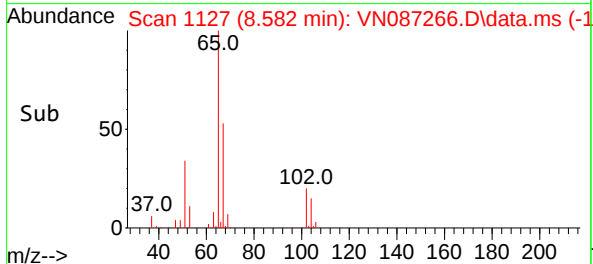
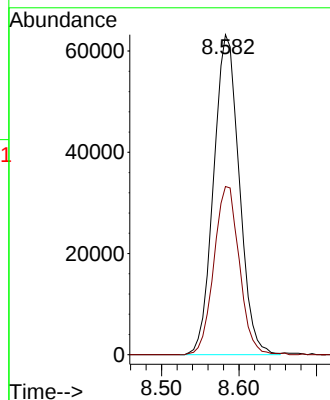
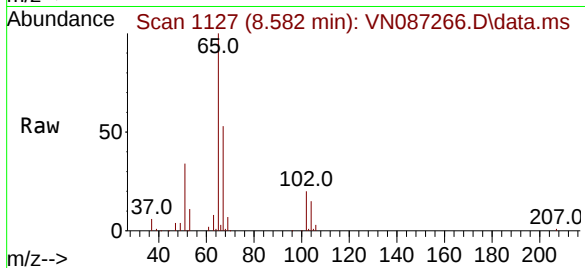
PB168690TB

Tgt Ion: 65 Resp: 145209

Ion Ratio Lower Upper

65 100

67 52.2 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087266.D

Acq: 03 Jul 2025 13:21

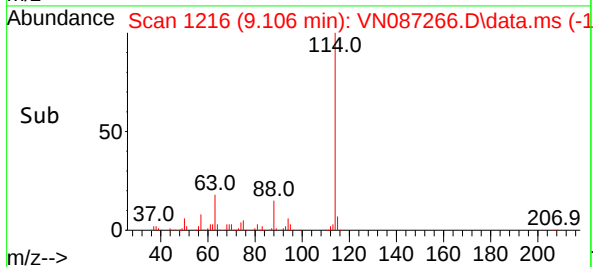
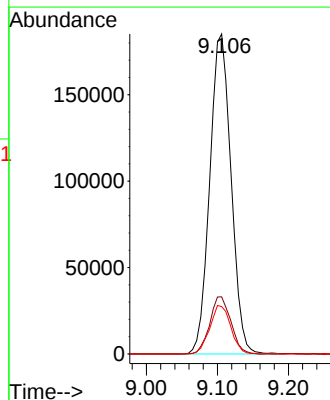
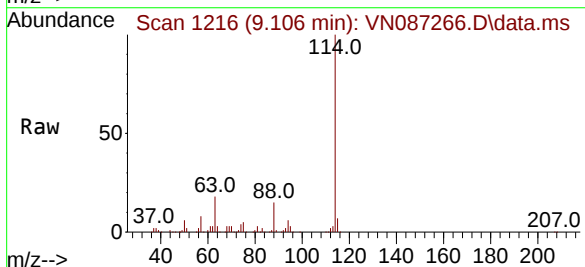
Tgt Ion: 114 Resp: 384985

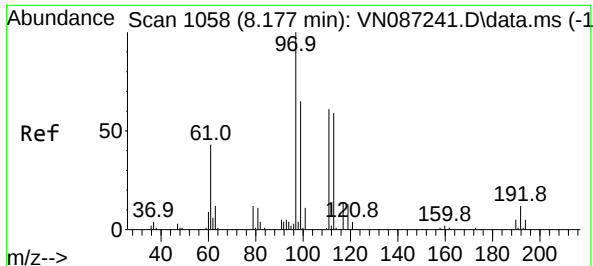
Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.6

88 14.8 0.0 29.6





#35

Dibromofluoromethane

Concen: 52.273 ug/l

RT: 8.171 min Scan# 113

Delta R.T. -0.006 min

Lab File: VN087266.D

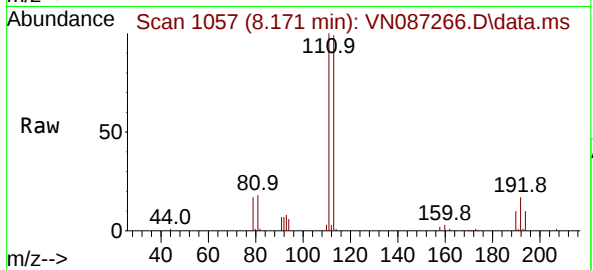
Acq: 03 Jul 2025 13:21

Instrument :

MSVOA\_N

ClientSampleId :

PB168690TB



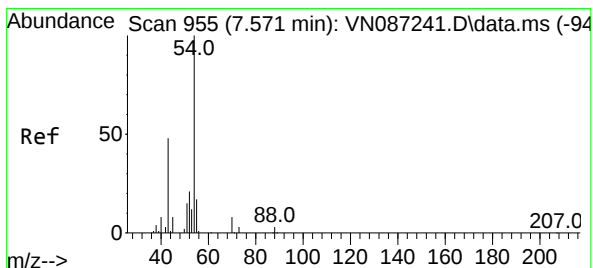
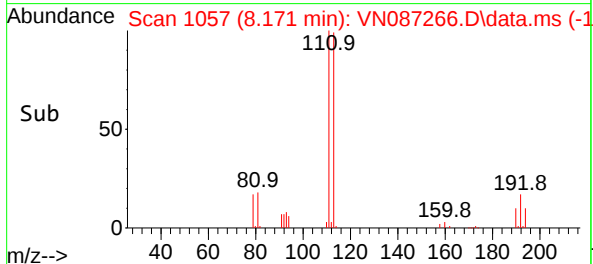
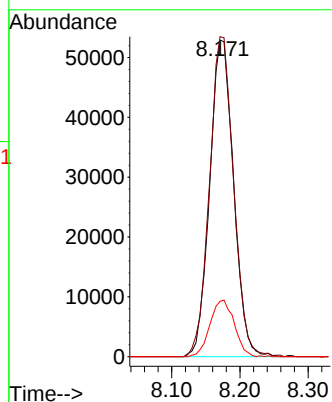
Tgt Ion:113 Resp: 128857

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.2

192 18.2 15.1 22.7



#37

Ethyl Acetate

Concen: 3.529 ug/l

RT: 7.571 min Scan# 955

Delta R.T. -0.000 min

Lab File: VN087266.D

Acq: 03 Jul 2025 13:21

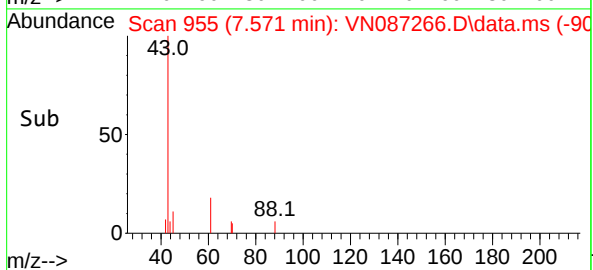
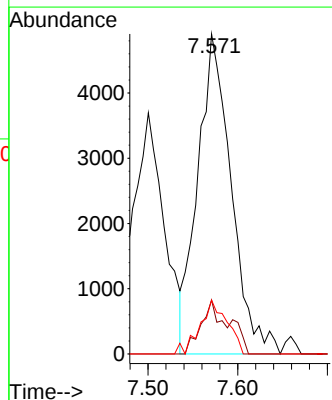
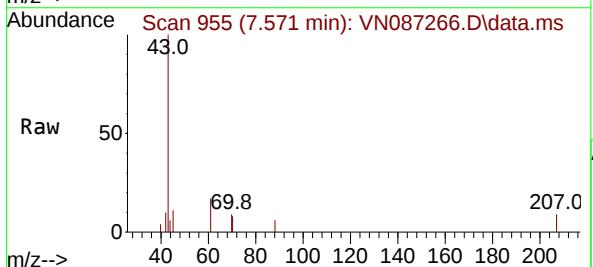
Tgt Ion: 43 Resp: 12716

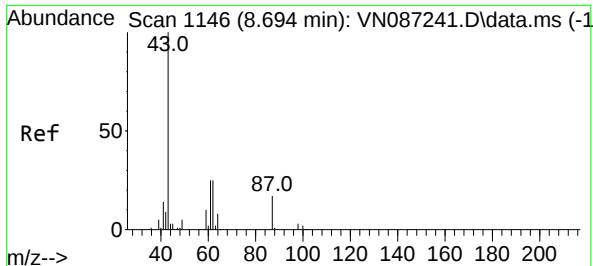
Ion Ratio Lower Upper

43 100

61 13.8 11.3 16.9

70 13.6 9.9 14.9

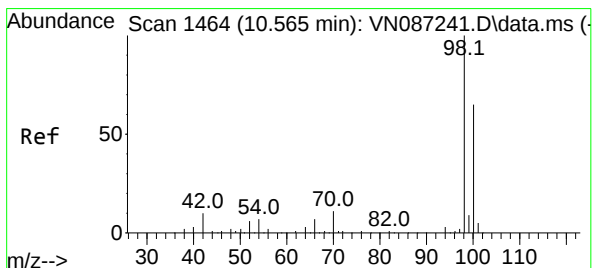
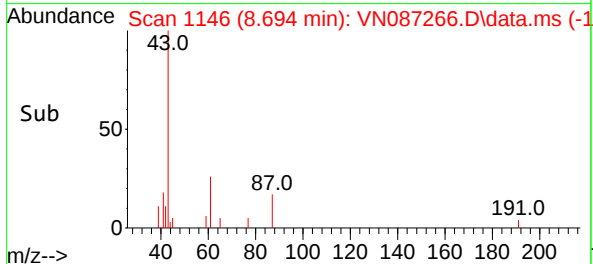
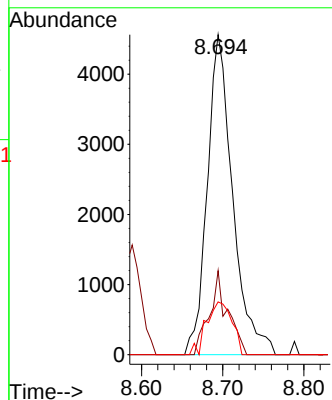
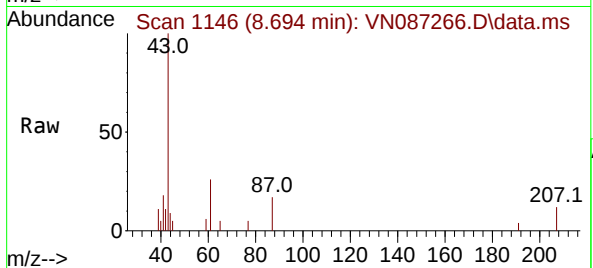




#43  
Isopropyl Acetate  
Concen: 1.777 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. -0.000 min  
Lab File: VN087266.D  
Acq: 03 Jul 2025 13:21

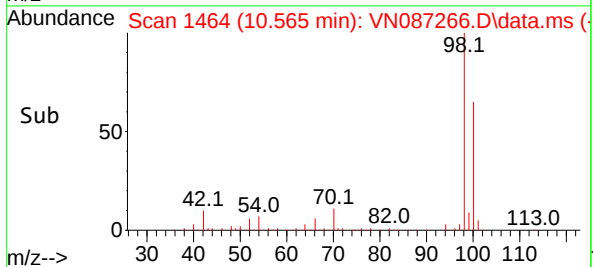
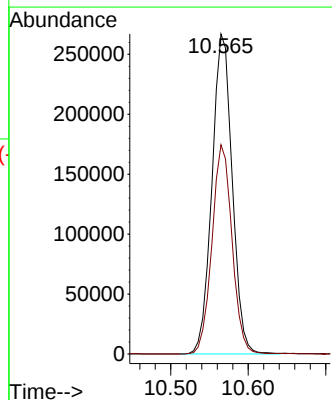
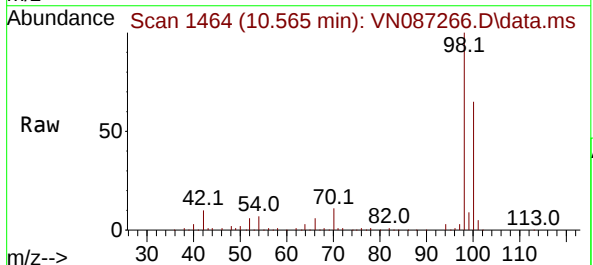
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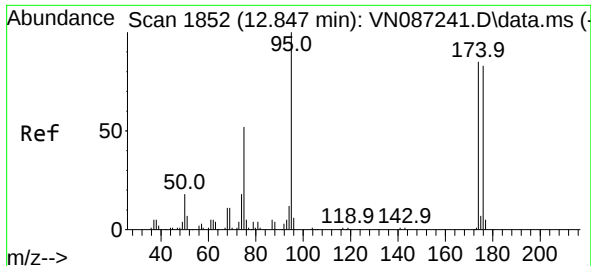
Tgt Ion: 43 Resp: 9931  
Ion Ratio Lower Upper  
43 100  
61 19.0 22.4 33.6#  
87 16.5 12.8 19.2



#50  
Toluene-d8  
Concen: 50.438 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN087266.D  
Acq: 03 Jul 2025 13:21

Tgt Ion: 98 Resp: 484631  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.1 78.1

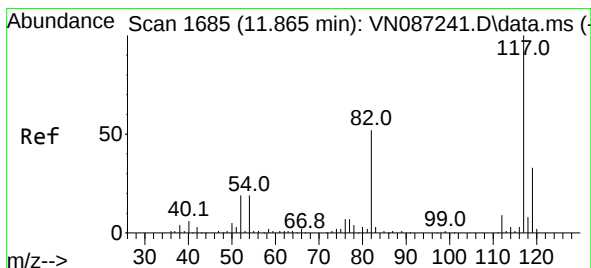
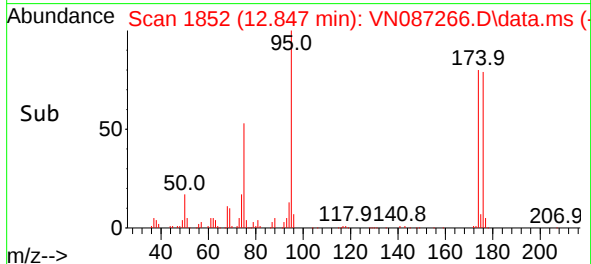
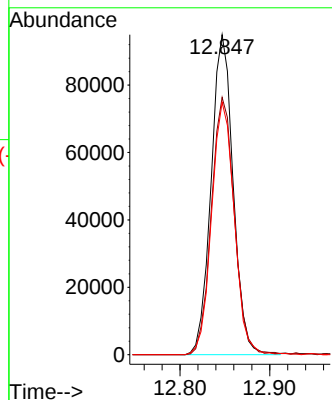
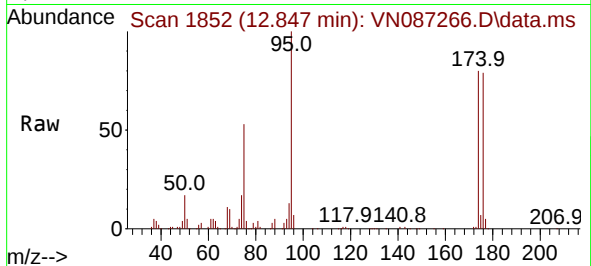




#62  
4-Bromofluorobenzene  
Concen: 47.349 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN087266.D  
Acq: 03 Jul 2025 13:21

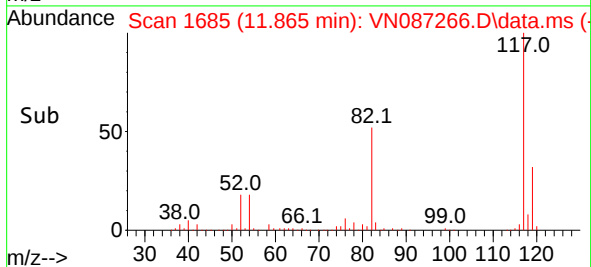
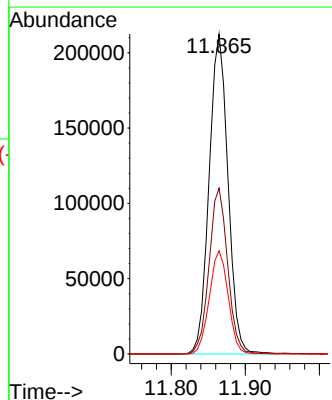
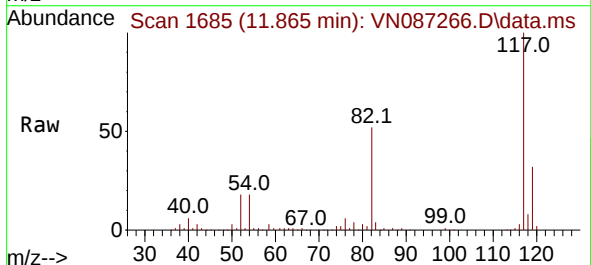
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB168690TB

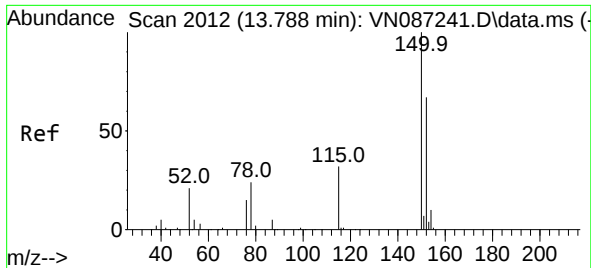
Tgt Ion: 95 Resp: 161874  
Ion Ratio Lower Upper  
95 100  
174 83.9 0.0 169.6  
176 81.2 0.0 161.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN087266.D  
Acq: 03 Jul 2025 13:21

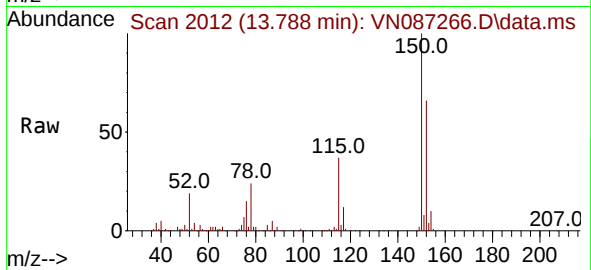
Tgt Ion: 117 Resp: 375178  
Ion Ratio Lower Upper  
117 100  
82 51.7 41.9 62.9  
119 32.2 26.2 39.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.788 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VN087266.D  
 Acq: 03 Jul 2025 13:21

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB168690TB



Tgt Ion:152 Resp: 175253  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 58.6  | 28.3  | 84.9  |
| 150 | 157.8 | 0.0   | 344.6 |

