

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062725\  
 Data File : VN087219.D  
 Acq On : 27 Jun 2025 14:12  
 Operator : JC\MD  
 Sample : Q2420-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 72-11933

Quant Time: Jun 27 23:44:52 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062625W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 27 05:55:21 2025  
 Response via : Initial Calibration

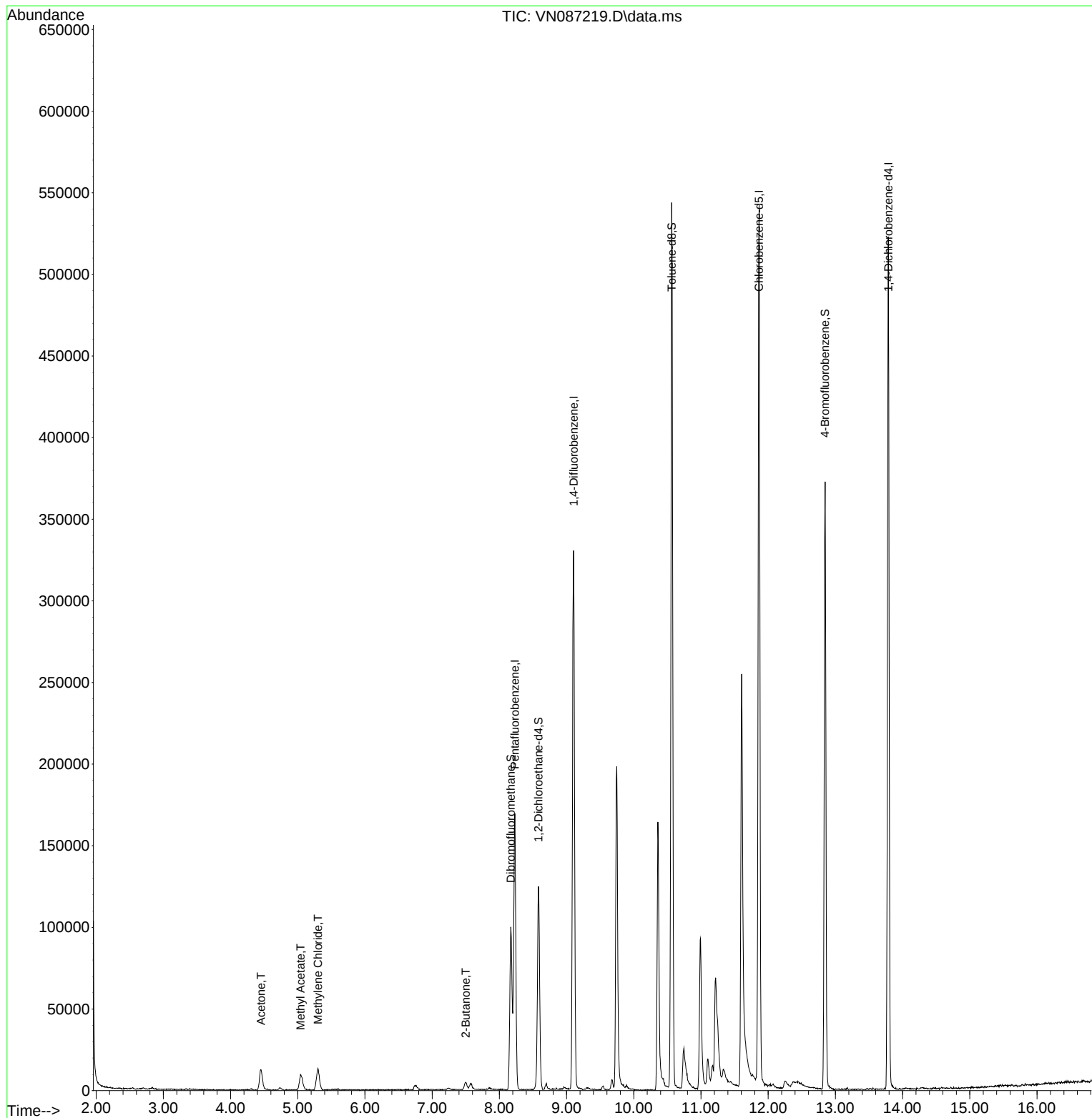
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.229  | 168   | 127267   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 301424   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 321898   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788 | 152   | 147755   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 103060   | 56.271   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 112.540% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 74022    | 37.985   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 75.960%  |
| 50) Toluene-d8              | 10.565 | 98    | 380879   | 47.257   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 94.520%  |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 146187   | 52.272   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =      | 104.540% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.453  | 43    | 26335    | 17.080   | ug/l   | 94       |
| 18) Methyl Acetate          | 5.041  | 43    | 21655    | 8.981    | ug/l   | 100      |
| 20) Methylene Chloride      | 5.300  | 84    | 10967    | 5.131    | ug/l   | 91       |
| 25) 2-Butanone              | 7.500  | 43    | 9161     | 6.597    | ug/l   | 96       |
| -----                       |        |       |          |          |        |          |

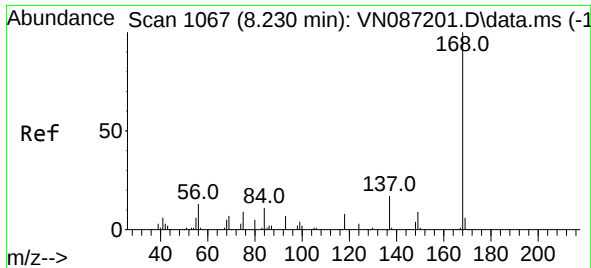
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 27 05:55:21 2025  
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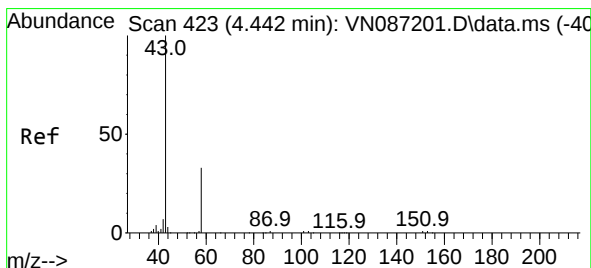
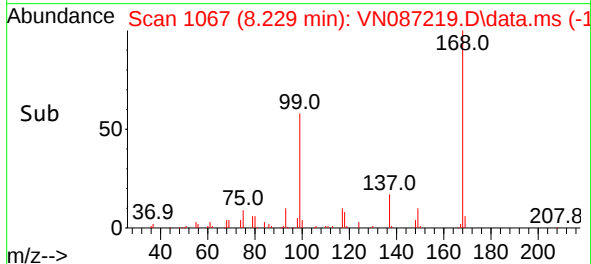
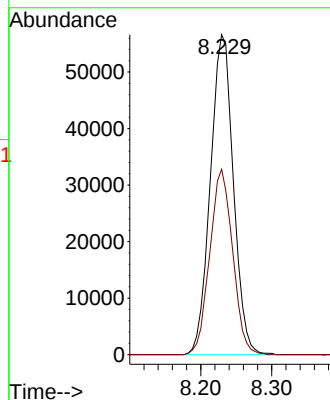
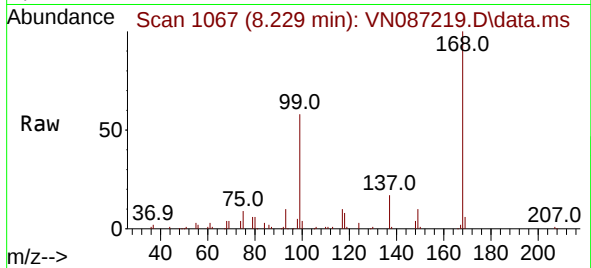




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.229 min Scan# 1067  
Delta R.T. -0.001 min  
Lab File: VN087219.D  
Acq: 27 Jun 2025 14:12

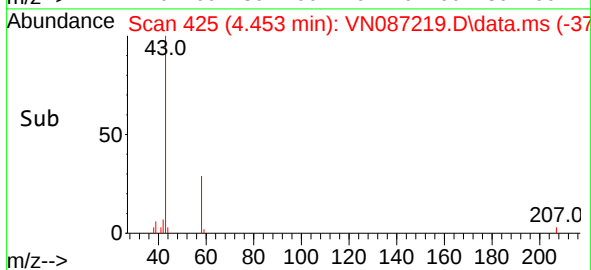
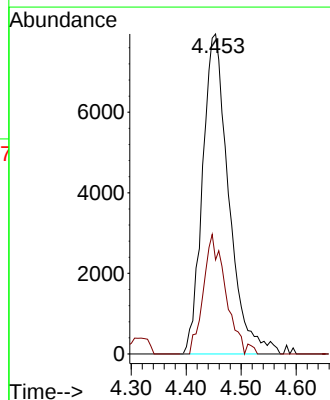
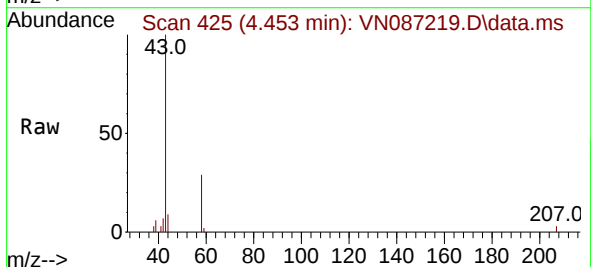
Instrument :  
MSVOA\_N  
ClientSampleId :  
72-11933

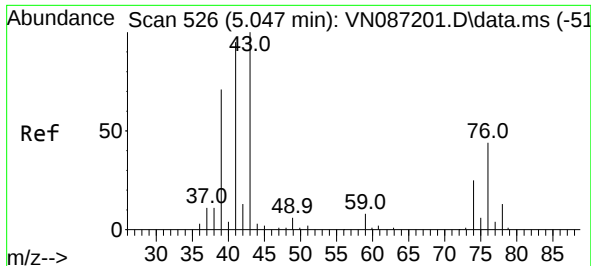
Tgt Ion:168 Resp: 127267  
Ion Ratio Lower Upper  
168 100  
99 57.9 47.9 71.9



#16  
Acetone  
Concen: 17.080 ug/l  
RT: 4.453 min Scan# 425  
Delta R.T. 0.011 min  
Lab File: VN087219.D  
Acq: 27 Jun 2025 14:12

Tgt Ion: 43 Resp: 26335  
Ion Ratio Lower Upper  
43 100  
58 29.4 26.5 39.7

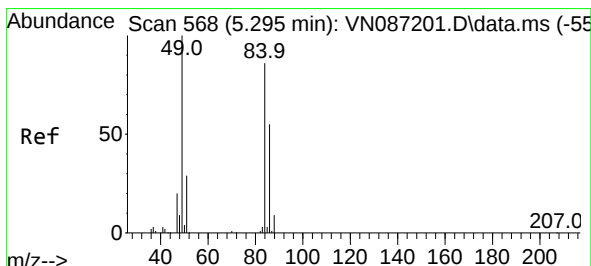
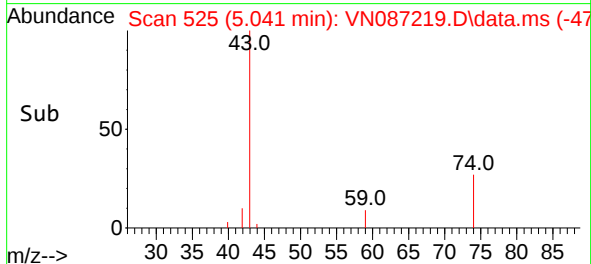
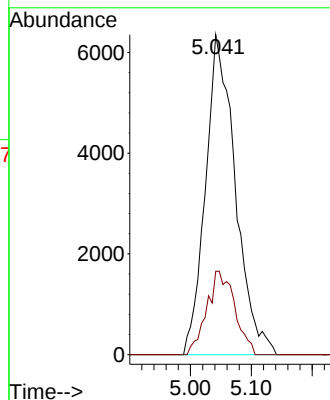
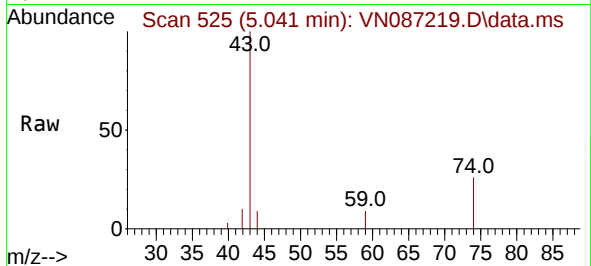




#18  
Methyl Acetate  
Concen: 8.981 ug/l  
RT: 5.041 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VN087219.D  
Acq: 27 Jun 2025 14:12

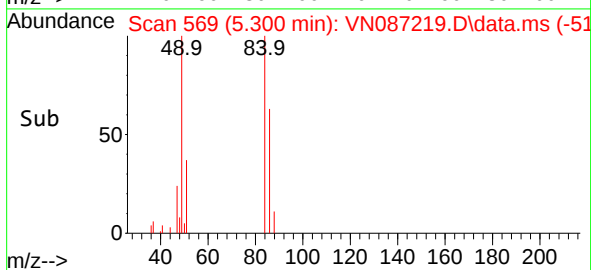
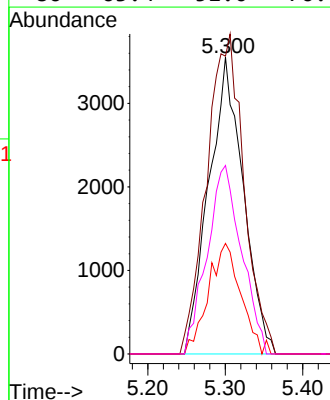
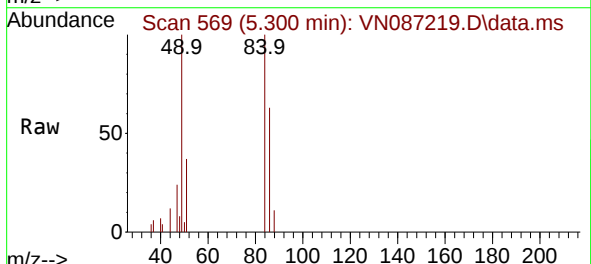
Instrument :  
MSVOA\_N  
ClientSampleId :  
72-11933

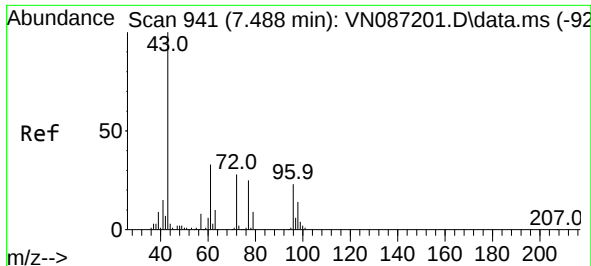
Tgt Ion: 43 Resp: 21655  
Ion Ratio Lower Upper  
43 100  
74 24.5 19.4 29.2



#20  
Methylene Chloride  
Concen: 5.131 ug/l  
RT: 5.300 min Scan# 569  
Delta R.T. 0.005 min  
Lab File: VN087219.D  
Acq: 27 Jun 2025 14:12

Tgt Ion: 84 Resp: 10967  
Ion Ratio Lower Upper  
84 100  
49 100.2 93.0 139.6  
51 37.2 27.2 40.8  
86 63.4 51.0 76.4

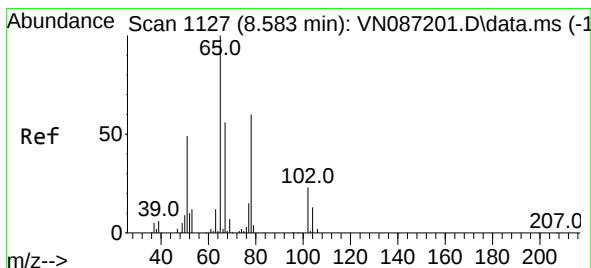
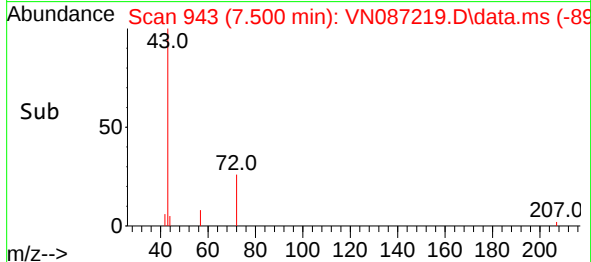
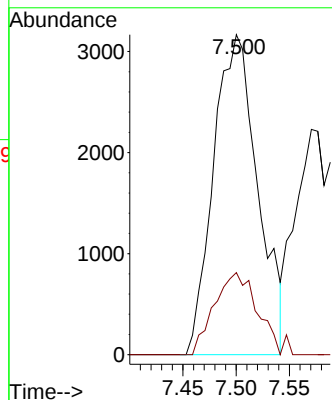
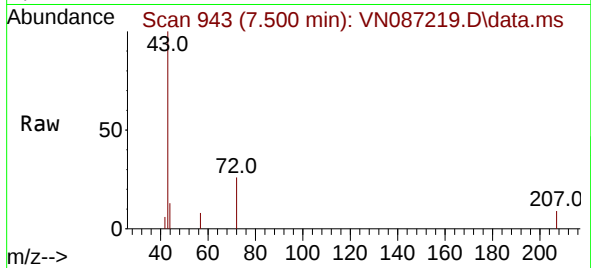




#25  
2-Butanone  
Concen: 6.597 ug/l  
RT: 7.500 min Scan# 941  
Delta R.T. 0.012 min  
Lab File: VN087219.D  
Acq: 27 Jun 2025 14:12

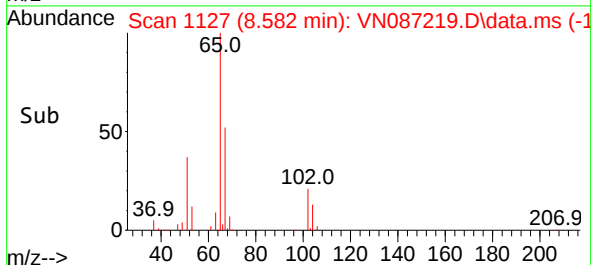
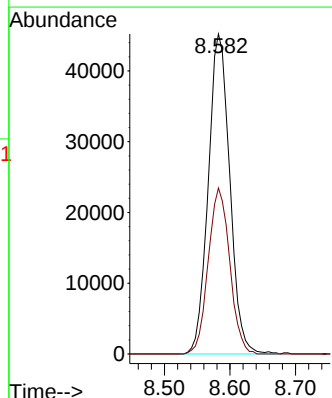
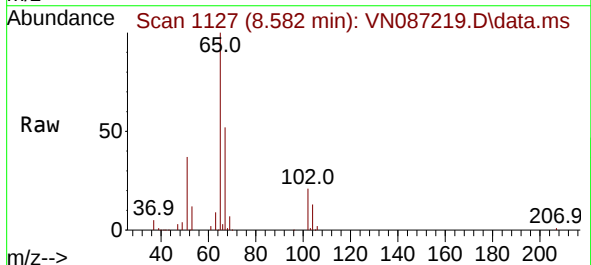
Instrument :  
MSVOA\_N  
ClientSampleId :  
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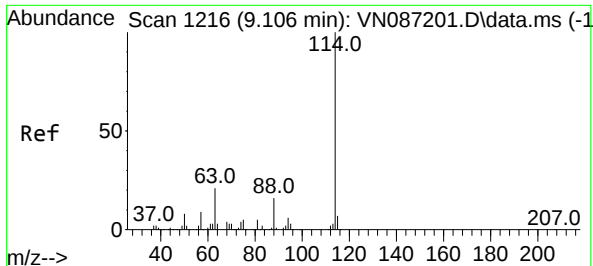
Tgt Ion: 43 Resp: 9161  
Ion Ratio Lower Upper  
43 100  
72 25.6 22.2 33.2



#33  
1,2-Dichloroethane-d4  
Concen: 56.271 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: VN087219.D  
Acq: 27 Jun 2025 14:12

Tgt Ion: 65 Resp: 103060  
Ion Ratio Lower Upper  
65 100  
67 51.7 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087219.D

Acq: 27 Jun 2025 14:12

Instrument :

MSVOA\_N

ClientSampleId :

72-11933

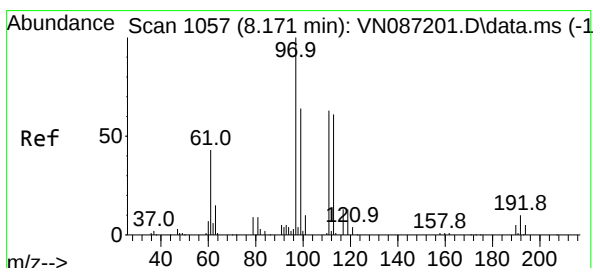
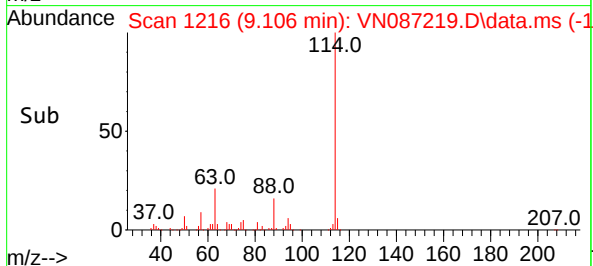
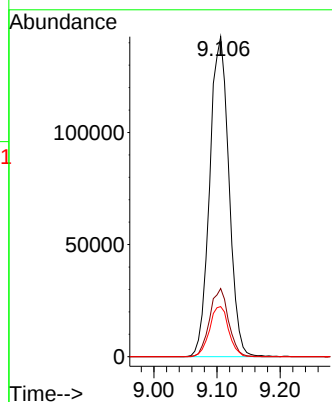
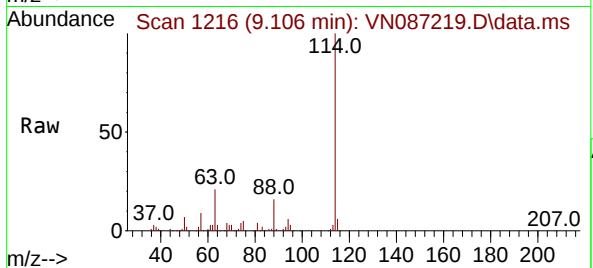
Tgt Ion:114 Resp: 301424

Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.0

88 15.7 0.0 32.0



#35

Dibromofluoromethane

Concen: 37.985 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN087219.D

Acq: 27 Jun 2025 14:12

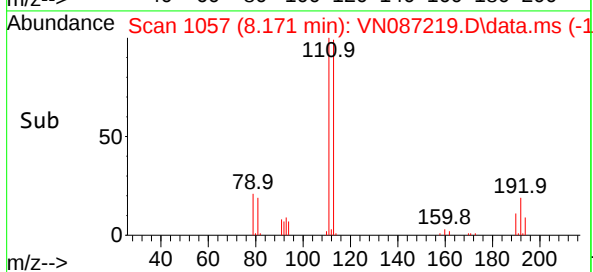
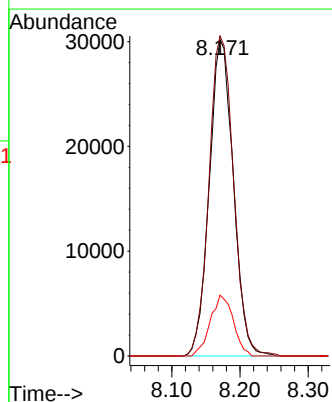
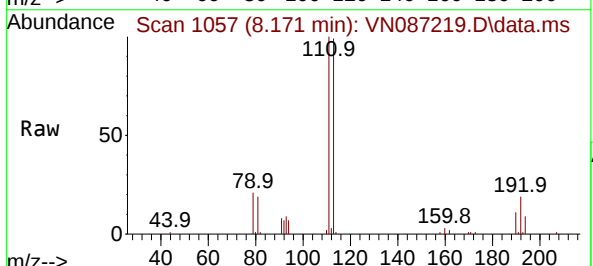
Tgt Ion:113 Resp: 74022

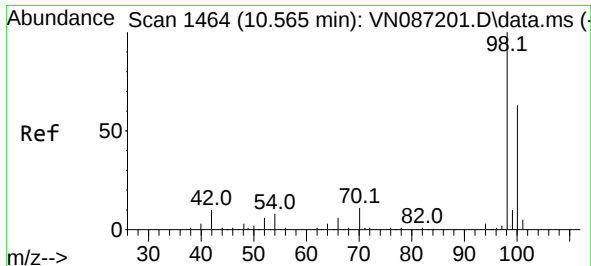
Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

192 18.4 13.5 20.3

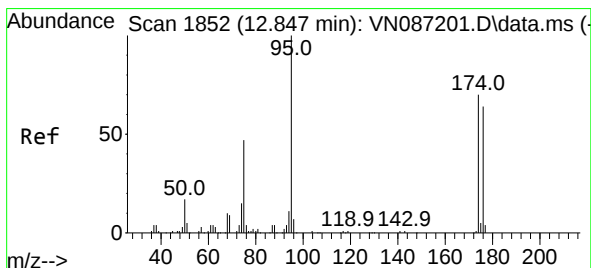
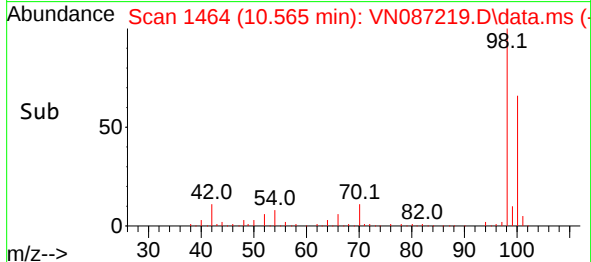
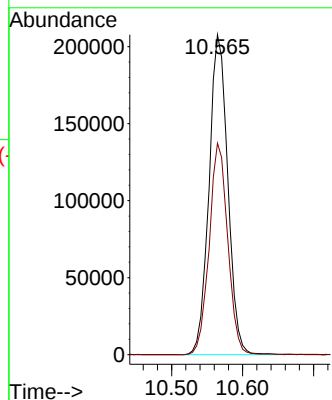
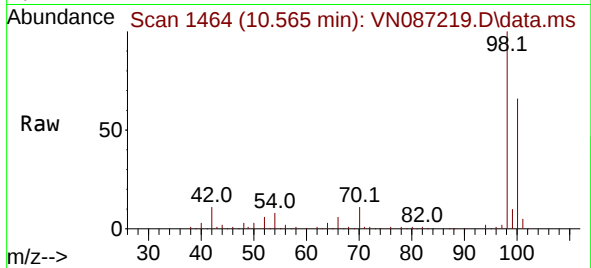




#50  
Toluene-d8  
Concen: 47.257 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN087219.D  
Acq: 27 Jun 2025 14:12

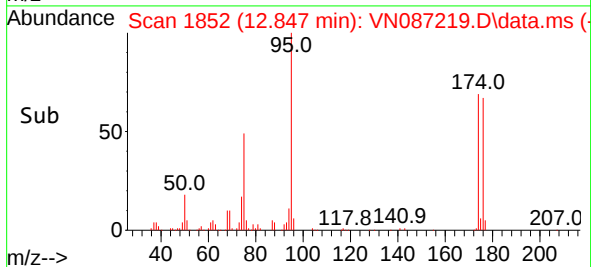
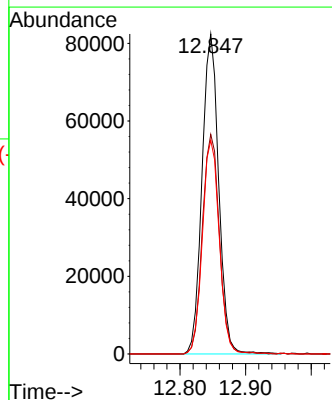
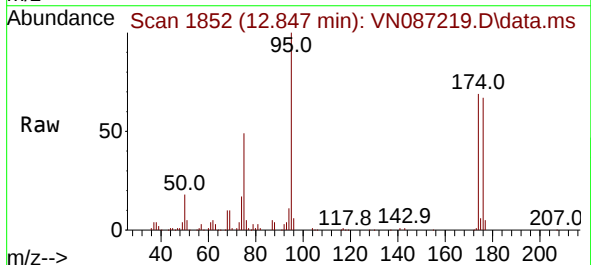
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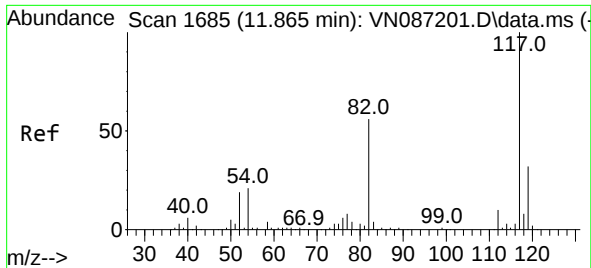
Tgt Ion: 98 Resp: 380879  
Ion Ratio Lower Upper  
98 100  
100 65.4 52.7 79.1



#62  
4-Bromofluorobenzene  
Concen: 52.272 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN087219.D  
Acq: 27 Jun 2025 14:12

Tgt Ion: 95 Resp: 146187  
Ion Ratio Lower Upper  
95 100  
174 70.0 0.0 142.2  
176 67.6 0.0 134.8

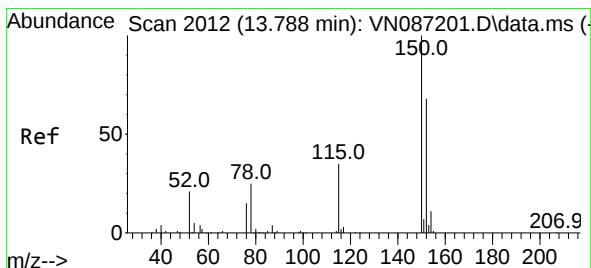
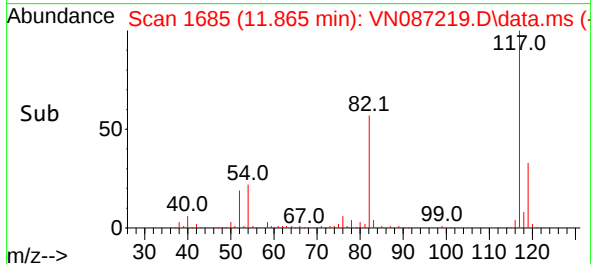
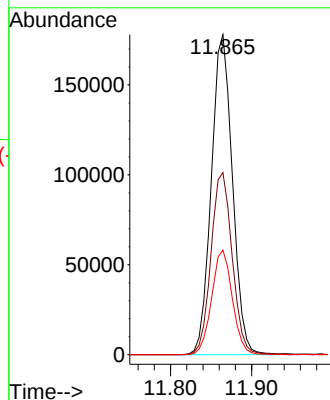
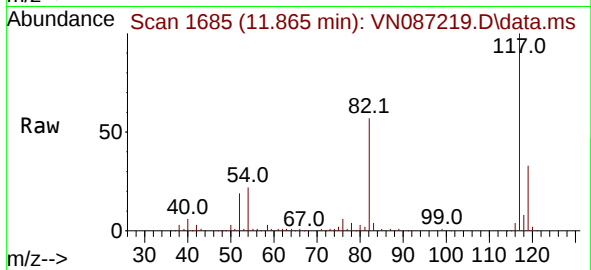




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN087219.D  
Acq: 27 Jun 2025 14:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
72-11933

Tgt Ion:117 Resp: 321898  
Ion Ratio Lower Upper  
117 100  
82 56.9 45.0 67.4  
119 32.7 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. -0.000 min  
Lab File: VN087219.D  
Acq: 27 Jun 2025 14:12

Tgt Ion:152 Resp: 147755  
Ion Ratio Lower Upper  
152 100  
115 59.7 30.6 91.8  
150 156.9 0.0 347.8

