

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN073025\  
 Data File : VN087444.D  
 Acq On : 30 Jul 2025 14:49  
 Operator : JC\MD  
 Sample : Q2730-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 002 35th Ave(july)

Quant Time: Jul 31 01:15:33 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:35:47 2025  
 Response via : Initial Calibration

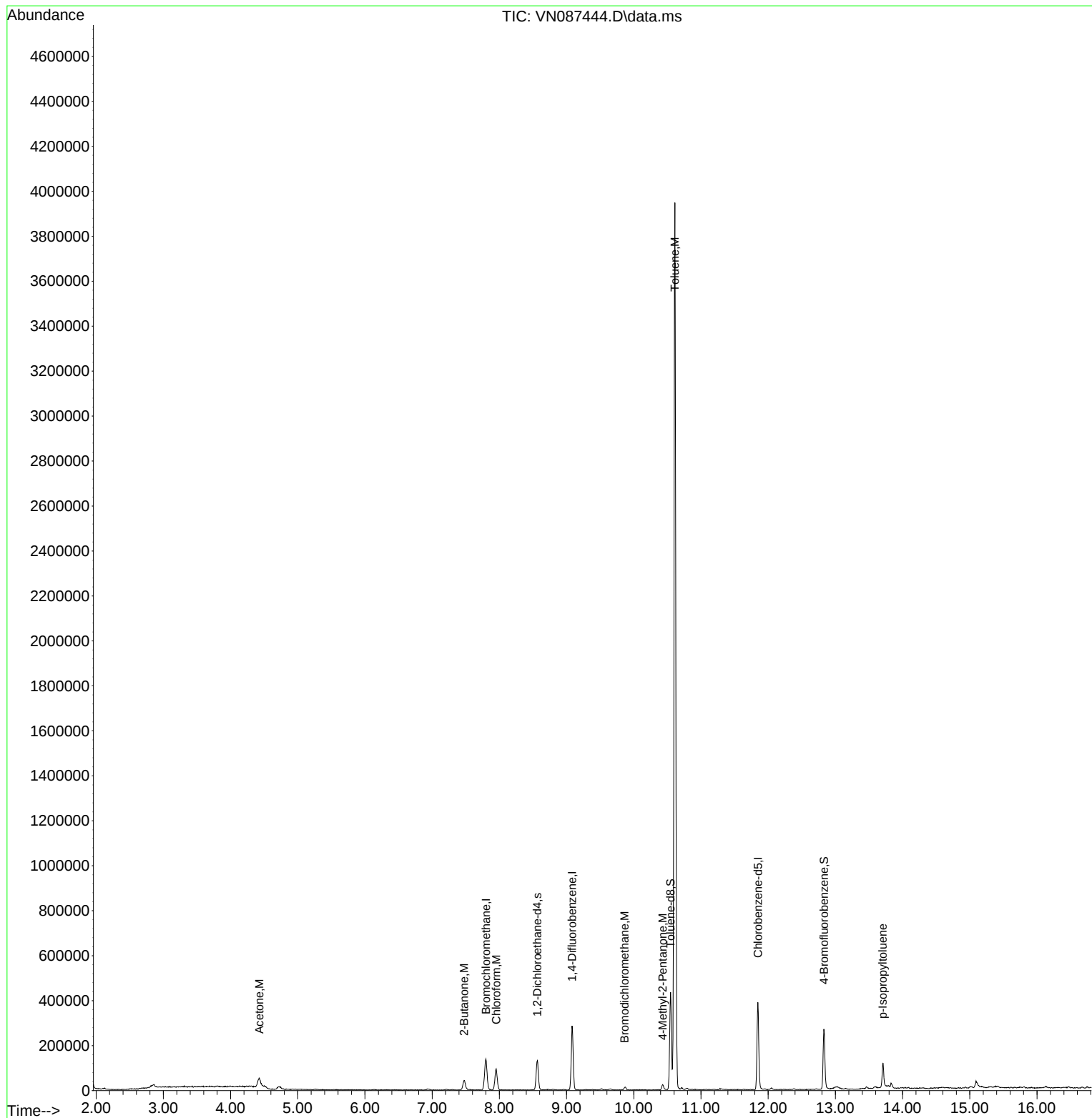
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|--------|-----------|
| -----                       |        |       |          |          |        |           |
| Internal Standards          |        |       |          |          |        |           |
| 1) Bromochloromethane       | 7.800  | 128   | 40620    | 30.000   | ug/l   | 0.00      |
| 28) 1,4-Difluorobenzene     | 9.082  | 114   | 232160   | 30.000   | ug/l   | 0.00      |
| 57) Chlorobenzene-d5        | 11.847 | 117   | 207024   | 30.000   | ug/l   | 0.00      |
| System Monitoring Compounds |        |       |          |          |        |           |
| 27) 1,2-Dichloroethane-d4   | 8.565  | 65    | 102919   | 33.134   | ug/l   | 0.00      |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =      | 110.433%# |
| 60) 4-Bromofluorobenzene    | 12.829 | 95    | 91549    | 26.929   | ug/l   | 0.00      |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =      | 89.767%   |
| 63) Toluene-d8              | 10.547 | 98    | 290430   | 30.548   | ug/l   | 0.00      |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =      | 101.833%  |
| Target Compounds            |        |       |          |          |        |           |
|                             |        |       |          |          | Qvalue |           |
| 15) Acetone                 | 4.430  | 58    | 18619    | 48.895   | ug/l   | 94        |
| 25) Chloroform              | 7.953  | 83    | 86926    | 18.441   | ug/l   | 92        |
| 30) 2-Butanone              | 7.477  | 43    | 71094    | 29.774   | ug/l   | 98        |
| 41) Bromodichloromethane    | 9.865  | 83    | 7944     | 2.050    | ug/l # | 80        |
| 58) 4-Methyl-2-Pentanone    | 10.429 | 43    | 18700    | 4.010    | ug/l # | 93        |
| 62) Toluene                 | 10.612 | 91    | 2904212  | 248.572  | ug/l   | 99        |
| 82) p-Isopropyltoluene      | 13.706 | 119   | 61048    | 5.886    | ug/l   | 95        |
| -----                       |        |       |          |          |        |           |

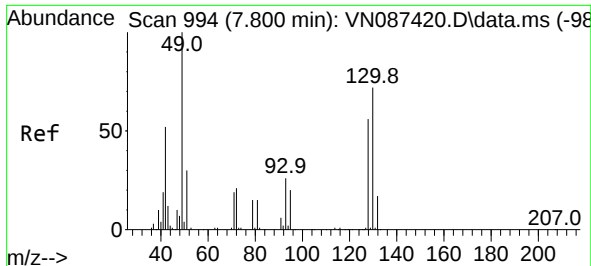
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Mon Jul 28 11:35:47 2025  
Response via : Initial Calibration

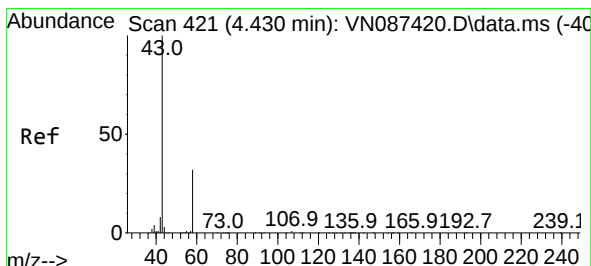
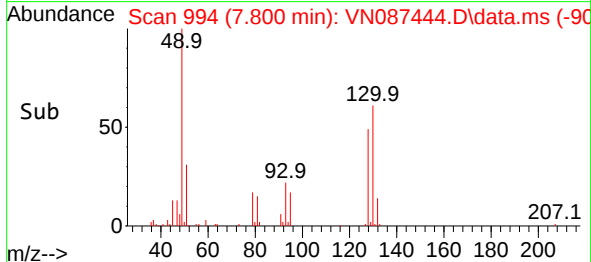
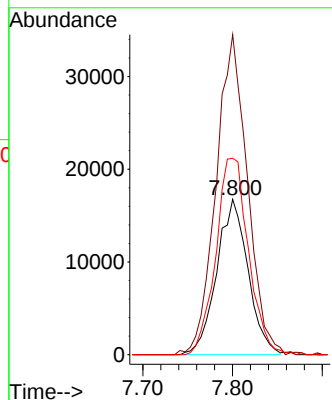
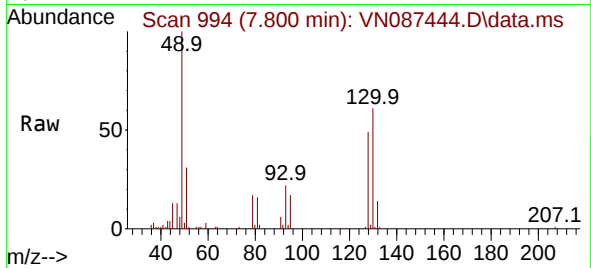




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.800 min Scan# 994  
Delta R.T. 0.000 min  
Lab File: VN087444.D  
Acq: 30 Jul 2025 14:49

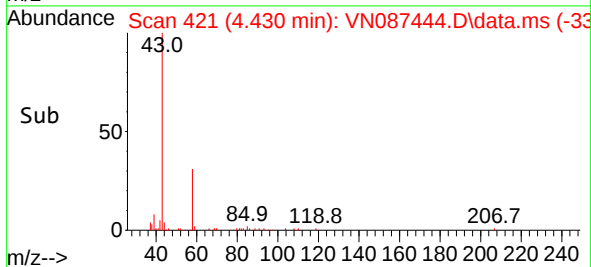
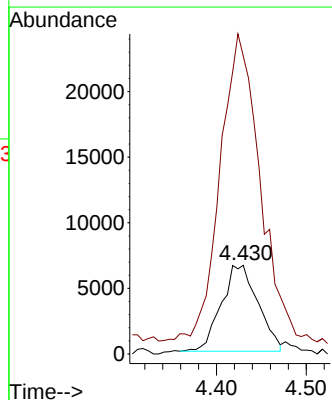
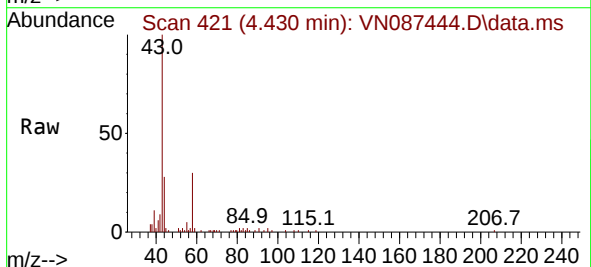
Instrument :  
MSVOA\_N  
ClientSampleId :  
002 35th Ave(july)

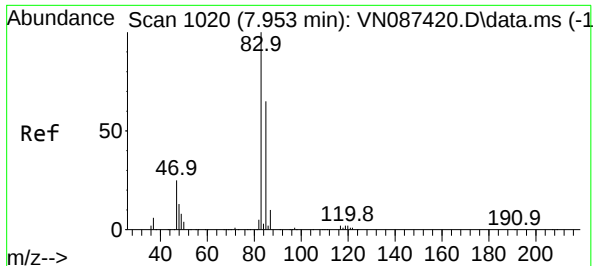
Tgt Ion:128 Resp: 40620  
Ion Ratio Lower Upper  
128 100  
49 206.1 0.0 457.3  
130 131.8 0.0 316.0



#15  
Acetone  
Concen: 48.895 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. -0.000 min  
Lab File: VN087444.D  
Acq: 30 Jul 2025 14:49

Tgt Ion: 58 Resp: 18619  
Ion Ratio Lower Upper  
58 100  
43 323.5 248.4 372.6

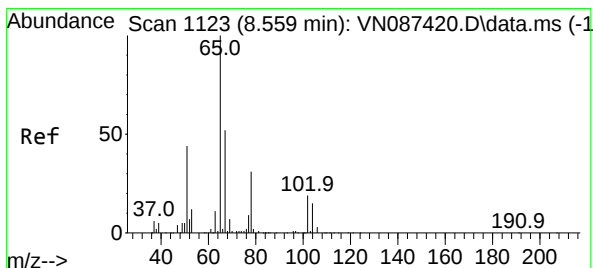
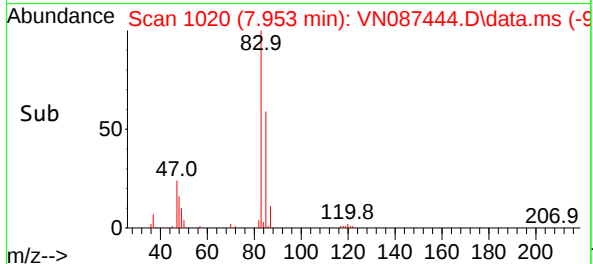
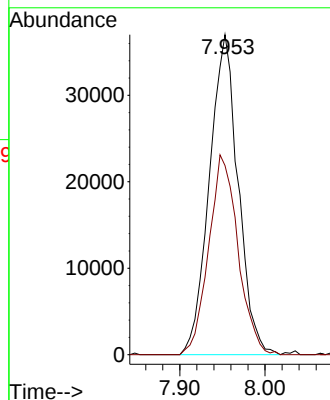
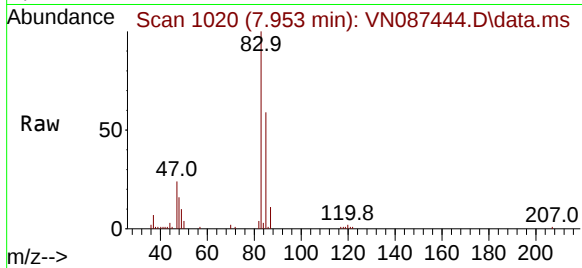




#25  
Chloroform  
Concen: 18.441 ug/l  
RT: 7.953 min Scan# 1020  
Delta R.T. -0.000 min  
Lab File: VN087444.D  
Acq: 30 Jul 2025 14:49

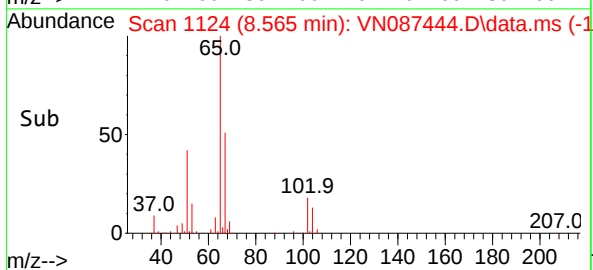
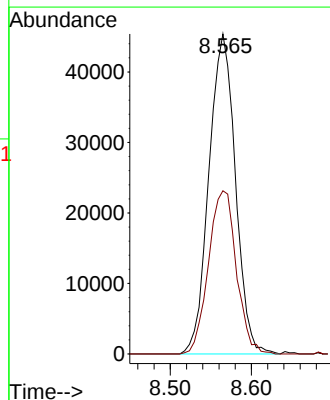
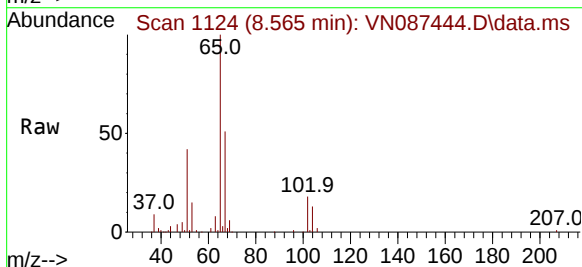
Instrument :  
MSVOA\_N  
ClientSampleId :  
002 35th Ave(july)

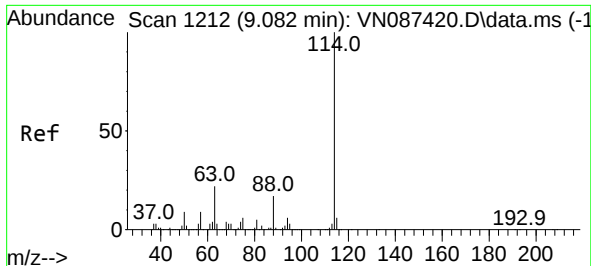
Tgt Ion: 83 Resp: 86926  
Ion Ratio Lower Upper  
83 100  
85 59.1 52.0 78.0



#27  
1,2-Dichloroethane-d4  
Concen: 33.134 ug/l  
RT: 8.565 min Scan# 1124  
Delta R.T. 0.006 min  
Lab File: VN087444.D  
Acq: 30 Jul 2025 14:49

Tgt Ion: 65 Resp: 102919  
Ion Ratio Lower Upper  
65 100  
67 53.6 42.3 63.5





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087444.D

Acq: 30 Jul 2025 14:49

Instrument :

MSVOA\_N

ClientSampleId :

002 35th Ave(july)

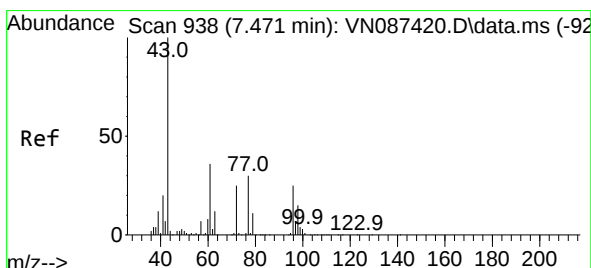
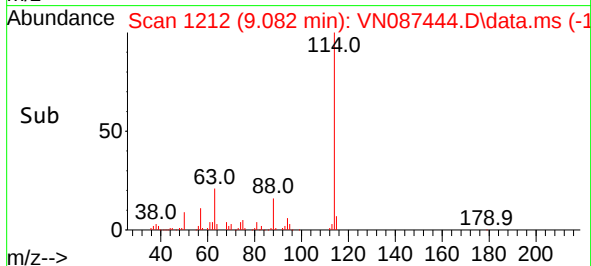
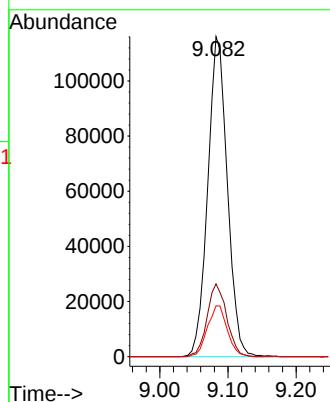
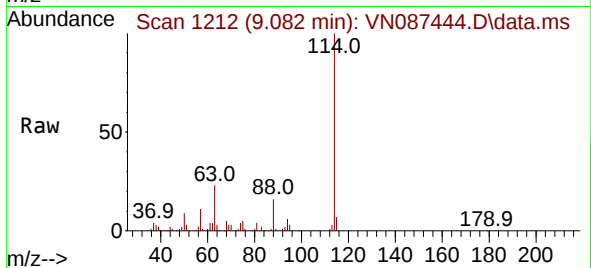
Tgt Ion:114 Resp: 232160

Ion Ratio Lower Upper

114 100

63 22.8 17.8 26.6

88 16.1 13.0 19.4



#30

2-Butanone

Concen: 29.774 ug/l

RT: 7.477 min Scan# 939

Delta R.T. 0.006 min

Lab File: VN087444.D

Acq: 30 Jul 2025 14:49

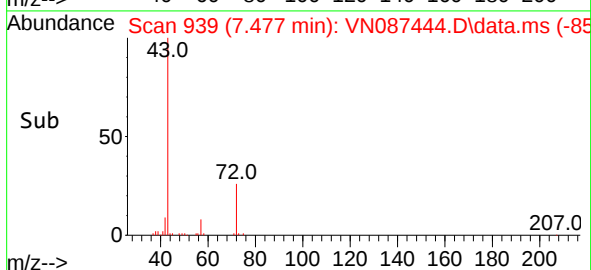
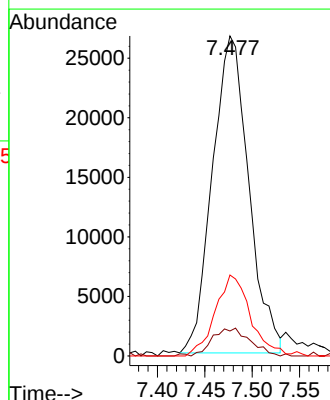
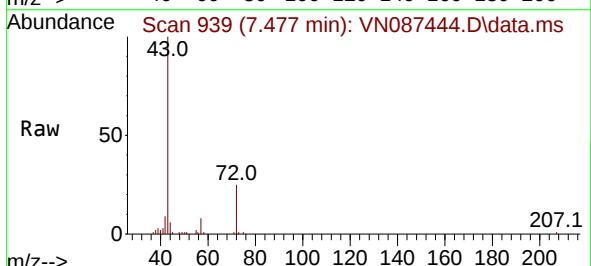
Tgt Ion: 43 Resp: 71094

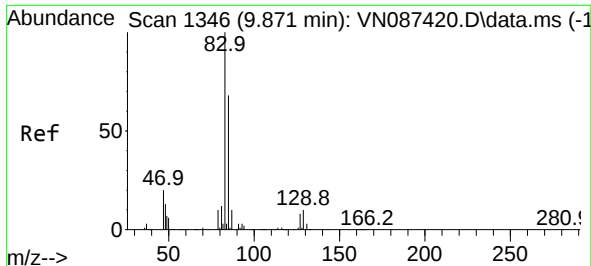
Ion Ratio Lower Upper

43 100

57 9.0 6.0 9.0

72 24.5 20.3 30.5

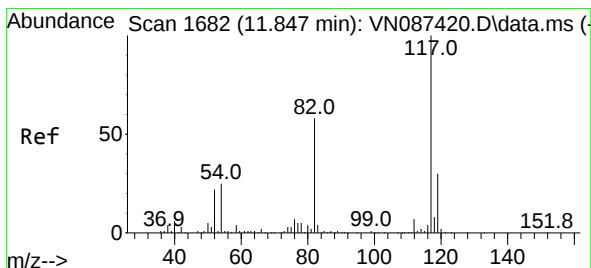
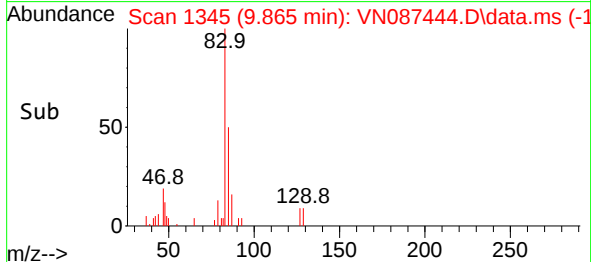
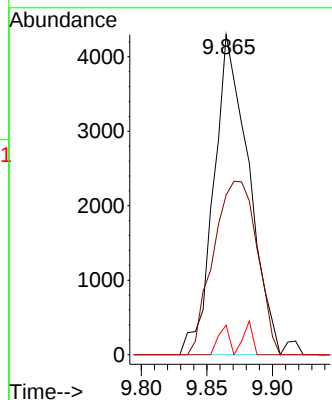
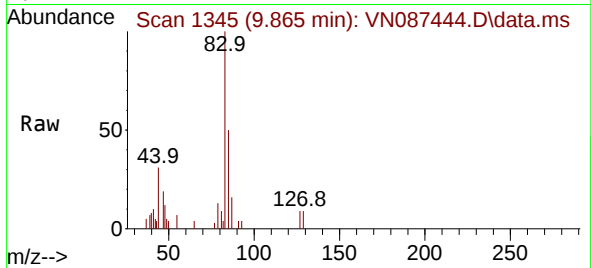




#41  
Bromodichloromethane  
Concen: 2.050 ug/l  
RT: 9.865 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN087444.D  
Acq: 30 Jul 2025 14:49

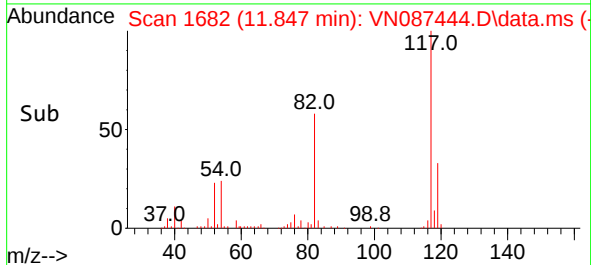
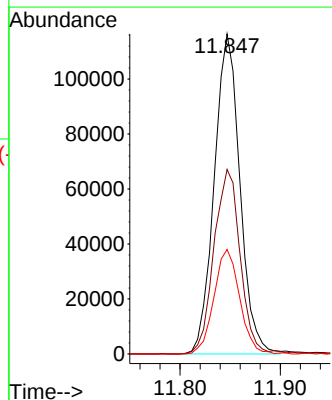
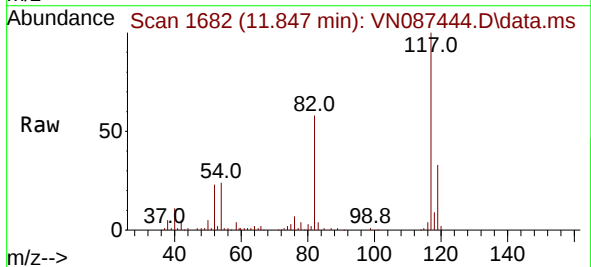
Instrument :  
MSVOA\_N  
ClientSampleId :  
002 35th Ave(july)

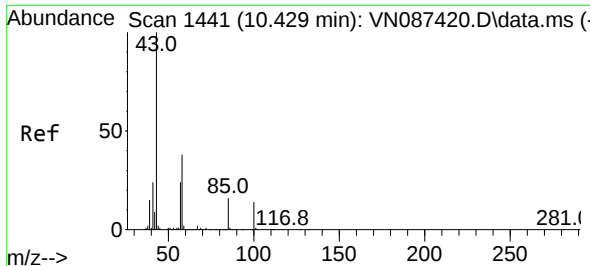
Tgt Ion: 83 Resp: 7944  
Ion Ratio Lower Upper  
83 100  
85 49.8 54.5 81.7#  
127 9.2 6.6 10.0



#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.847 min Scan# 1682  
Delta R.T. -0.000 min  
Lab File: VN087444.D  
Acq: 30 Jul 2025 14:49

Tgt Ion: 117 Resp: 207024  
Ion Ratio Lower Upper  
117 100  
82 58.5 46.2 69.4  
119 32.6 25.7 38.5

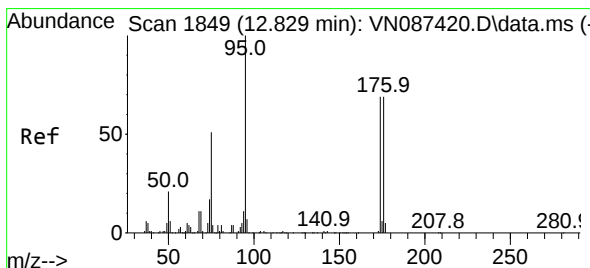
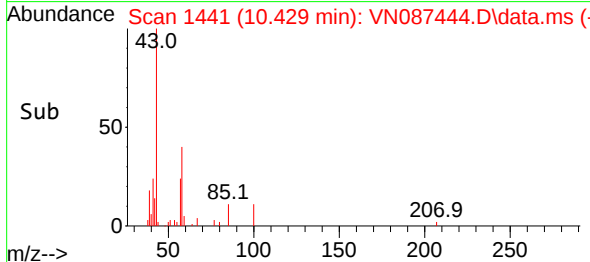
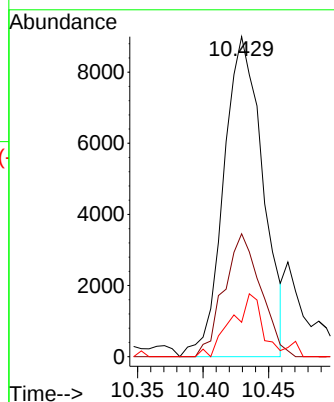
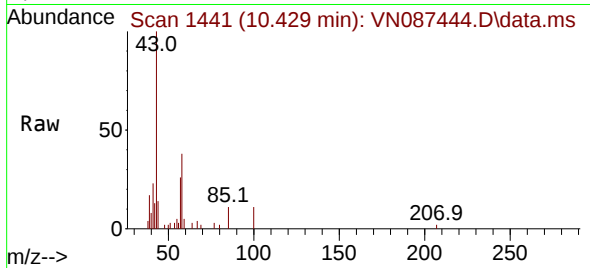




#58  
4-Methyl-2-Pentanone  
Concen: 4.010 ug/l  
RT: 10.429 min Scan# 1441  
Delta R.T. -0.000 min  
Lab File: VN087444.D  
Acq: 30 Jul 2025 14:49

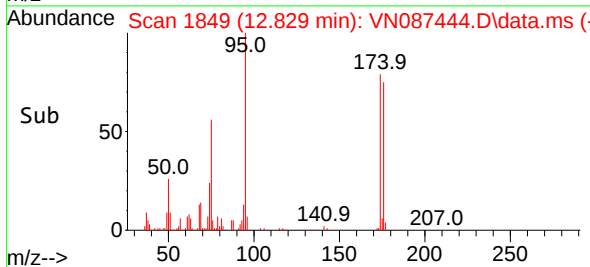
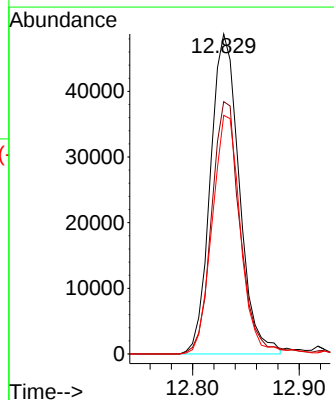
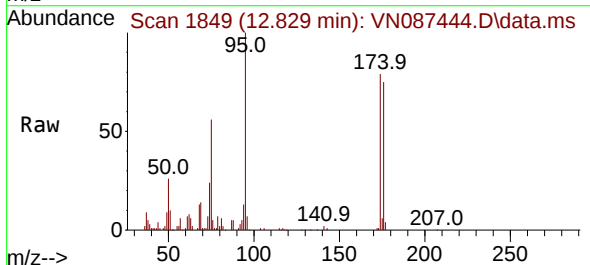
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002 35th Ave(july)

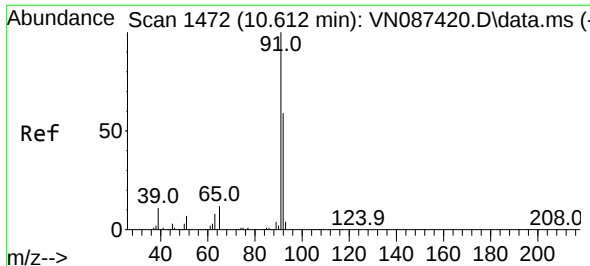
Tgt Ion: 43 Resp: 18700  
Ion Ratio Lower Upper  
43 100  
58 36.0 29.9 44.9  
85 8.3 12.8 19.2#



#60  
4-Bromofluorobenzene  
Concen: 26.929 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. -0.000 min  
Lab File: VN087444.D  
Acq: 30 Jul 2025 14:49

Tgt Ion: 95 Resp: 91549  
Ion Ratio Lower Upper  
95 100  
174 77.8 57.8 86.8  
176 72.0 54.9 82.3

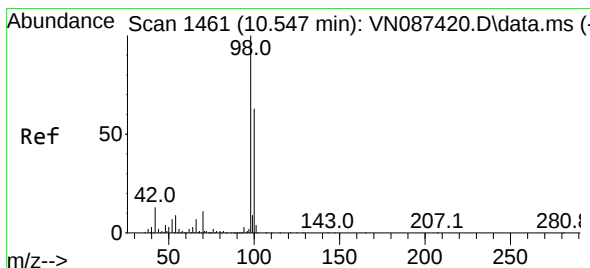
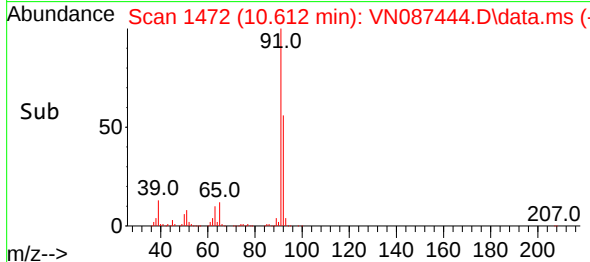
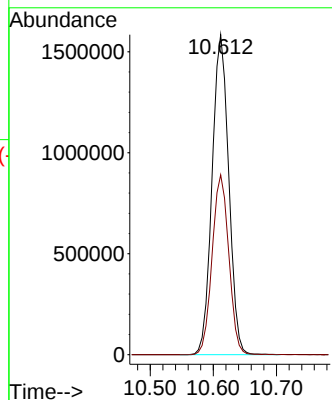
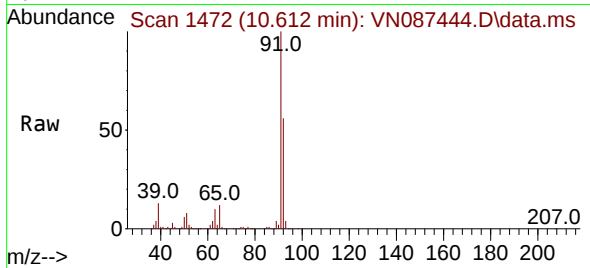




#62  
Toluene  
Concen: 248.572 ug/l  
RT: 10.612 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: VN087444.D  
Acq: 30 Jul 2025 14:49

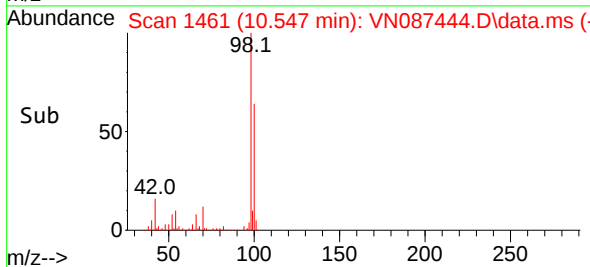
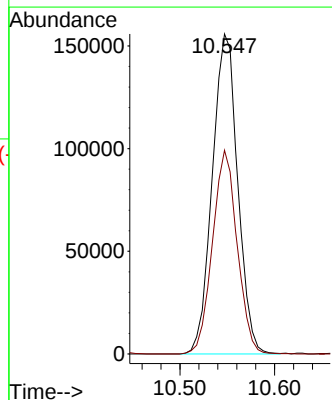
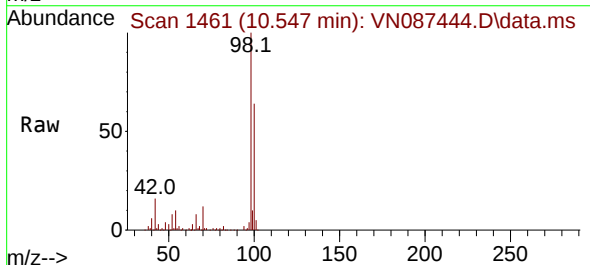
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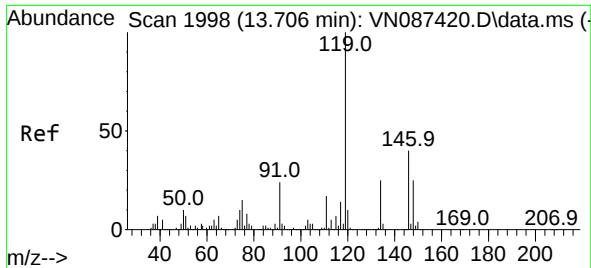
Tgt Ion: 91 Resp: 2904212  
Ion Ratio Lower Upper  
91 100  
92 56.2 45.6 68.4



#63  
Toluene-d8  
Concen: 30.548 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. -0.000 min  
Lab File: VN087444.D  
Acq: 30 Jul 2025 14:49

Tgt Ion: 98 Resp: 290430  
Ion Ratio Lower Upper  
98 100  
100 61.8 50.7 76.1





#82  
 p-Isopropyltoluene  
 Concen: 5.886 ug/l  
 RT: 13.706 min Scan# 1998  
 Delta R.T. -0.000 min  
 Lab File: VN087444.D  
 Acq: 30 Jul 2025 14:49

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 002 35th Ave(july)

Tgt Ion:119 Resp: 61048  
 Ion Ratio Lower Upper  
 119 100  
 134 25.8 0.0 50.8  
 91 28.4 0.0 47.6

