

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120125\  
 Data File : VN088391.D  
 Acq On : 01 Dec 2025 18:00  
 Operator : JC\MD  
 Sample : Q3743-05  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Dec 02 00:18:27 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:34:52 2025  
 Response via : Initial Calibration

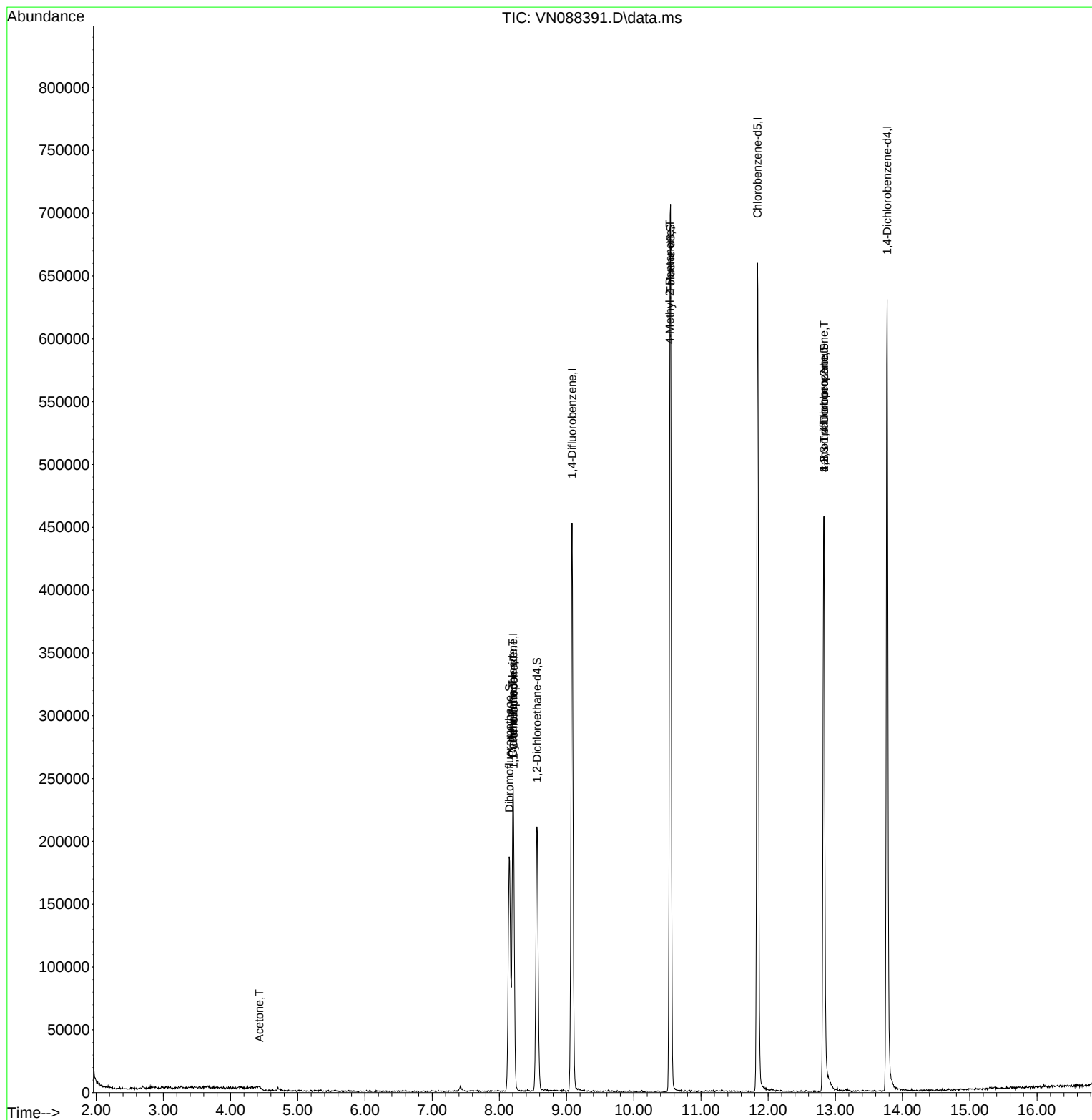
| Compound                      | R.T.   | QIon           | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|--------|----------------|----------|------------|--------|----------|
| -----                         |        |                |          |            |        |          |
| Internal Standards            |        |                |          |            |        |          |
| 1) Pentafluorobenzene         | 8.206  | 168            | 158953   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.082  | 114            | 363652   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.841 | 117            | 360625   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.770 | 152            | 164355   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds   |        |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.559  | 65             | 179661   | 60.000     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 74 - 125 | Recovery | = 120.000% |        |          |
| 35) Dibromofluoromethane      | 8.147  | 113            | 132859   | 52.720     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 75 - 124 | Recovery | = 105.440% |        |          |
| 50) Toluene-d8                | 10.547 | 98             | 475600   | 50.721     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 86 - 113 | Recovery | = 101.440% |        |          |
| 62) 4-Bromofluorobenzene      | 12.829 | 95             | 177205   | 55.078     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 77 - 121 | Recovery | = 110.160% |        |          |
| Target Compounds              |        |                |          |            |        |          |
|                               |        |                |          |            | Qvalue |          |
| 16) Acetone                   | 4.430  | 43             | 4076     | 3.764      | ug/l # | 82       |
| 31) Cyclohexane               | 8.200  | 56             | 5253     | 1.334      | ug/l # | 27       |
| 36) 1,1-Dichloropropene       | 8.212  | 75             | 16807    | 4.321      | ug/l # | 52       |
| 38) Carbon Tetrachloride      | 8.200  | 117            | 20325    | 5.250      | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 10.535 | 43             | 2852     | 0.619      | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.829 | 75             | 98918    | 25.696     | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.829 | 75             | 98918    | 72.899     | ug/l # | 1        |
| -----                         |        |                |          |            |        |          |

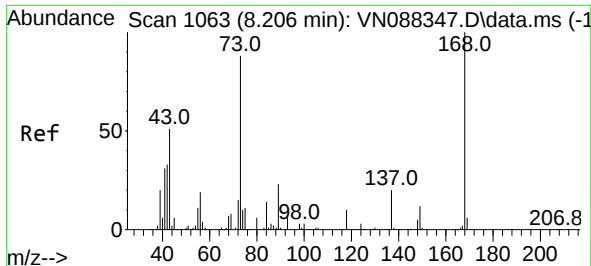
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Dec 02 00:18:27 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

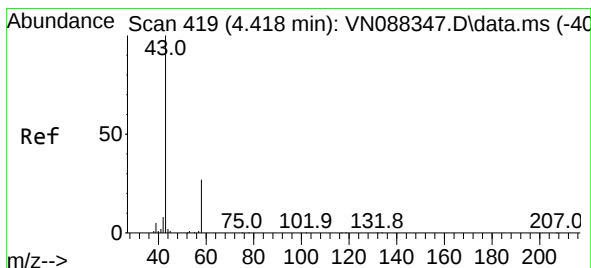
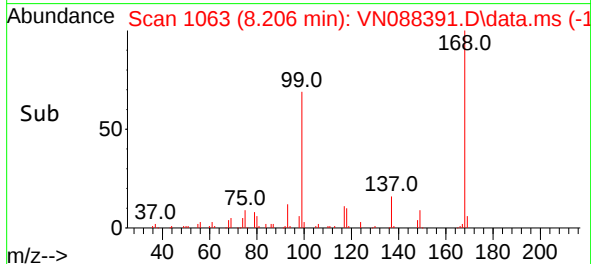
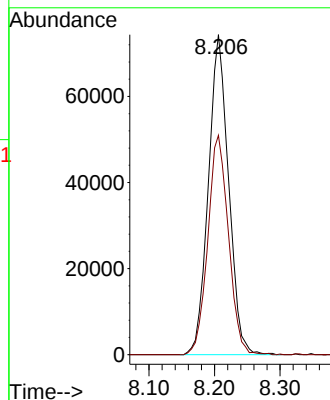
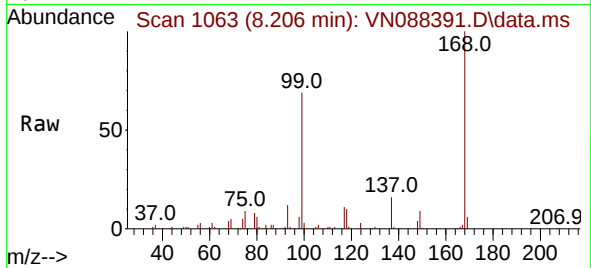




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. -0.000 min  
Lab File: VN088391.D  
Acq: 01 Dec 2025 18:00

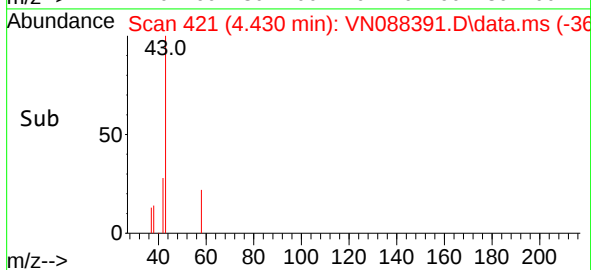
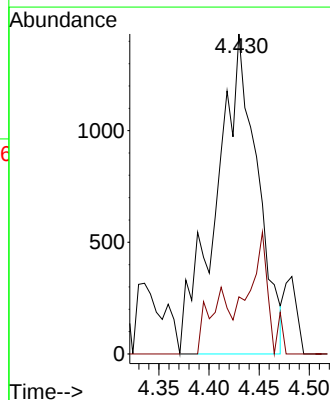
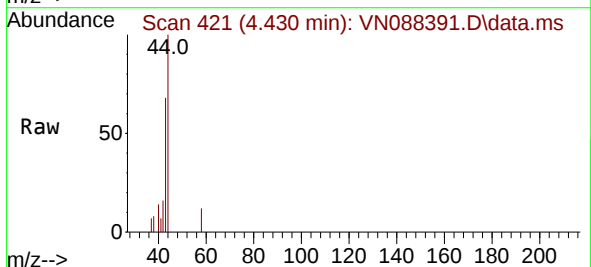
Instrument :  
MSVOA\_N  
ClientSampleId :

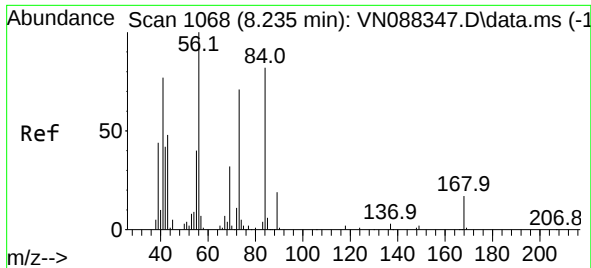
Tgt Ion:168 Resp: 158953  
Ion Ratio Lower Upper  
168 100  
99 68.5 57.1 85.7



#16  
Acetone  
Concen: 3.764 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.012 min  
Lab File: VN088391.D  
Acq: 01 Dec 2025 18:00

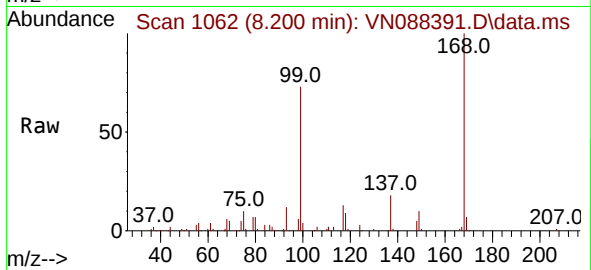
Tgt Ion: 43 Resp: 4076  
Ion Ratio Lower Upper  
43 100  
58 17.9 21.7 32.5#



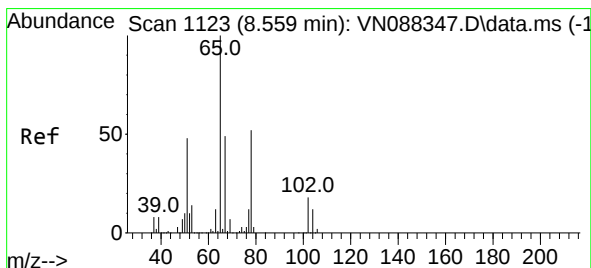
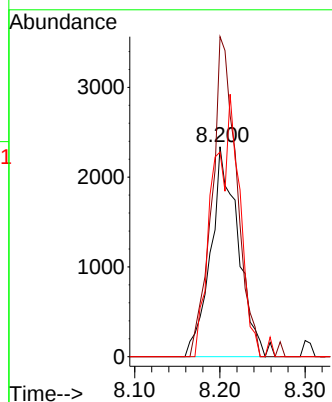
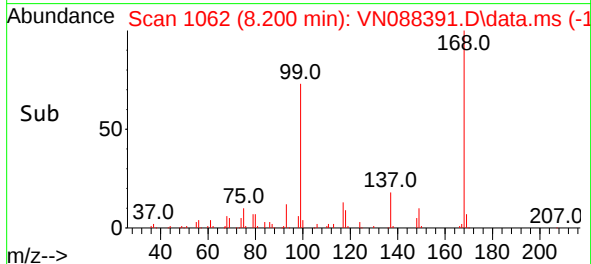


#31  
Cyclohexane  
Concen: 1.334 ug/l  
RT: 8.200 min Scan# 1062  
Delta R.T. -0.035 min  
Lab File: VN088391.D  
Acq: 01 Dec 2025 18:00

Instrument :  
MSVOA\_N  
ClientSampleId :

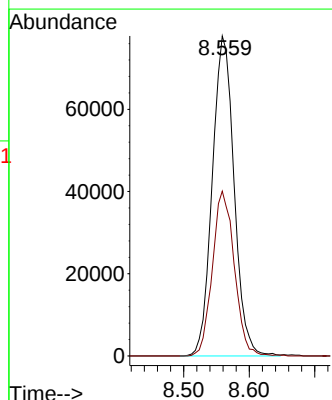
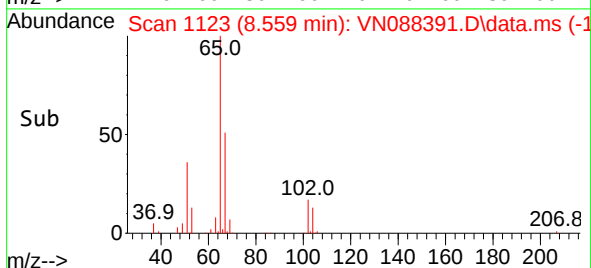
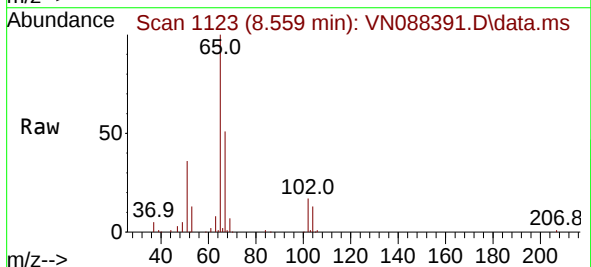


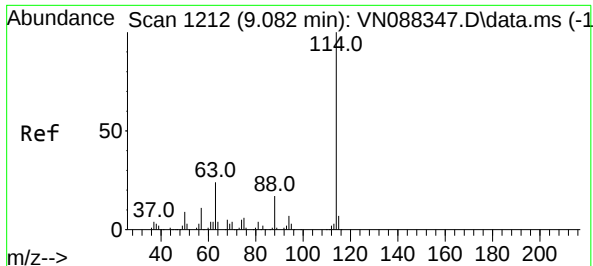
Tgt Ion: 56 Resp: 5253  
Ion Ratio Lower Upper  
56 100  
69 152.5 25.3 37.9#  
84 97.5 65.4 98.2



#33  
1,2-Dichloroethane-d4  
Concen: 60.000 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. 0.000 min  
Lab File: VN088391.D  
Acq: 01 Dec 2025 18:00

Tgt Ion: 65 Resp: 179661  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN088391.D

Acq: 01 Dec 2025 18:00

Instrument :

MSVOA\_N

ClientSampleId :

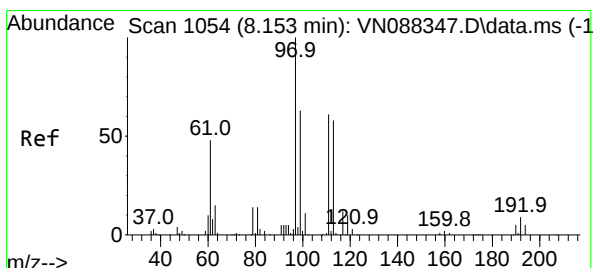
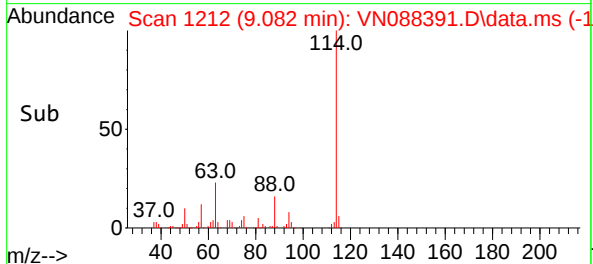
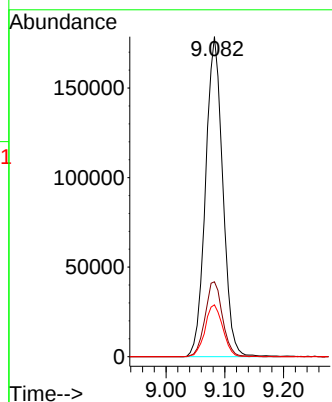
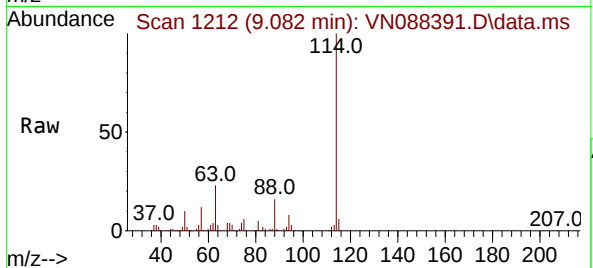
Tgt Ion:114 Resp: 363652

Ion Ratio Lower Upper

114 100

63 23.4 0.0 49.0

88 16.2 0.0 34.0



#35

Dibromofluoromethane

Concen: 52.720 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088391.D

Acq: 01 Dec 2025 18:00

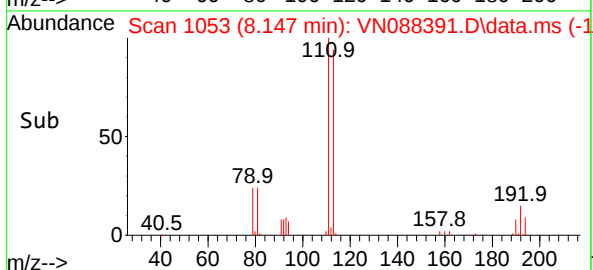
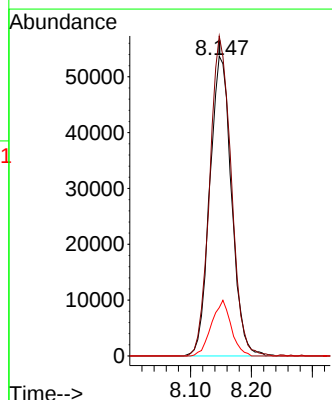
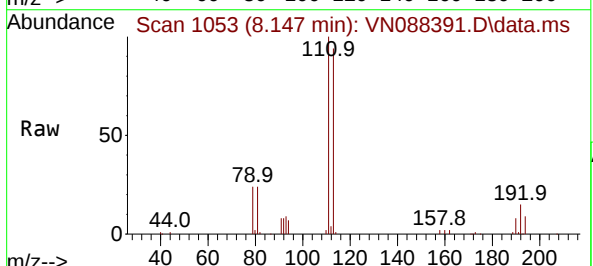
Tgt Ion:113 Resp: 132859

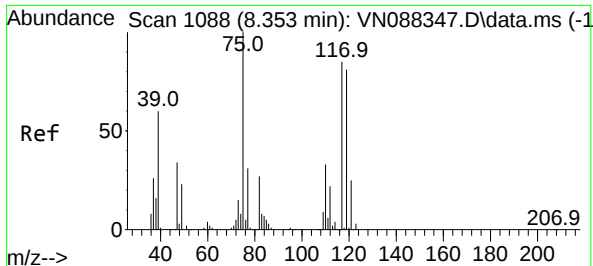
Ion Ratio Lower Upper

113 100

111 105.6 82.5 123.7

192 16.8 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.321 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.141 min

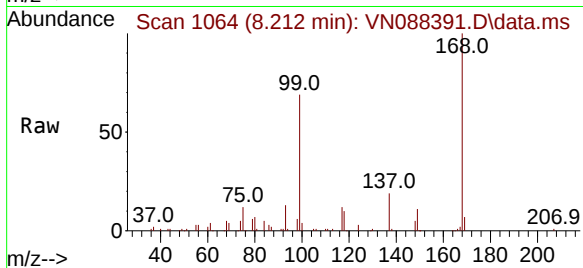
Lab File: VN088391.D

Acq: 01 Dec 2025 18:00

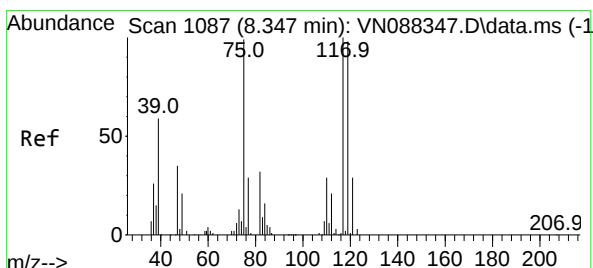
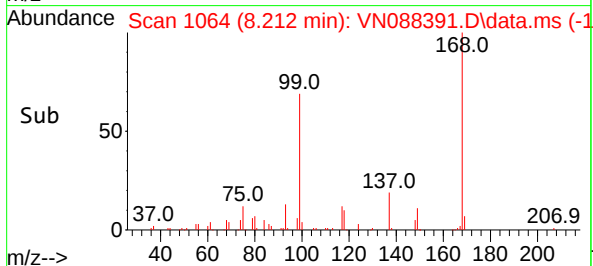
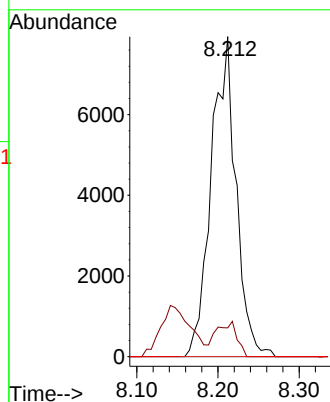
Instrument :

MSVOA\_N

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 16807 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.0   | 15.8  | 47.4# |
| 77       | 0.0   | 24.2  | 36.2# |



#38

Carbon Tetrachloride

Concen: 5.250 ug/l

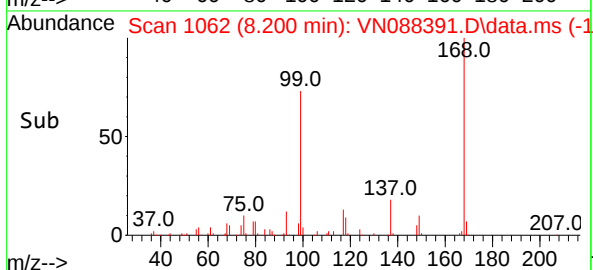
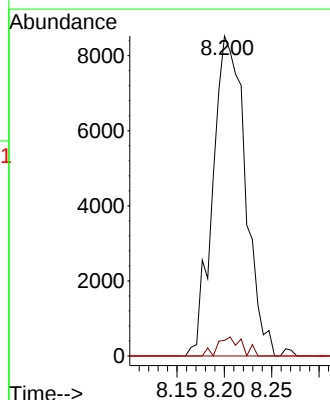
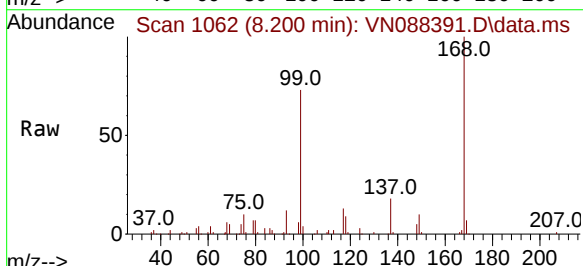
RT: 8.200 min Scan# 1062

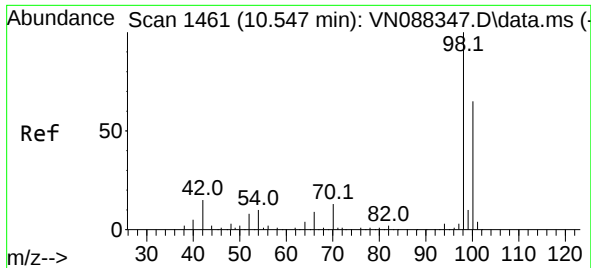
Delta R.T. -0.147 min

Lab File: VN088391.D

Acq: 01 Dec 2025 18:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 20325  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 4.9   | 78.2  | 117.4# |
| 121      | 0.0   | 23.4  | 35.2#  |

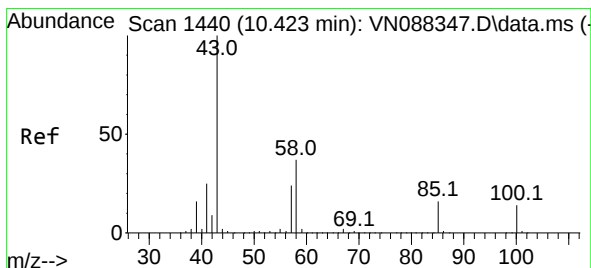
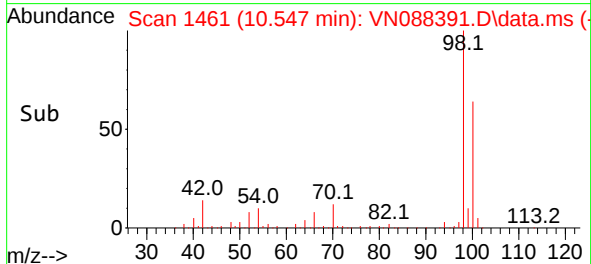
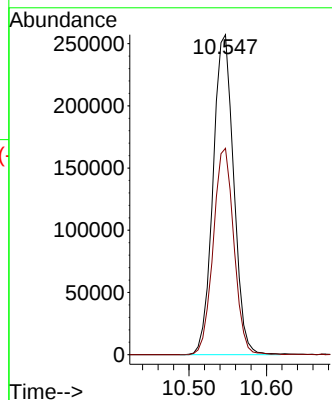
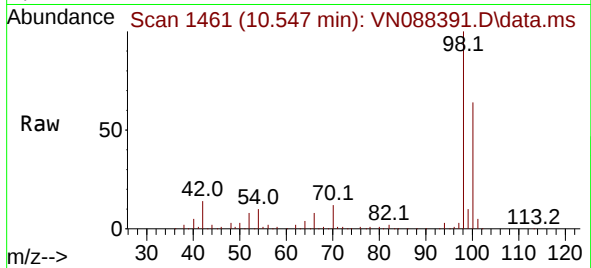




#50  
Toluene-d8  
Concen: 50.721 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. 0.000 min  
Lab File: VN088391.D  
Acq: 01 Dec 2025 18:00

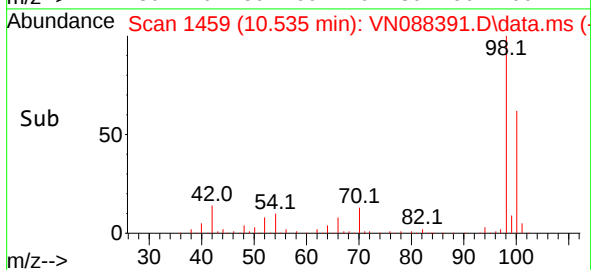
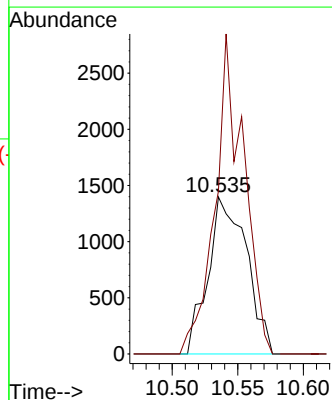
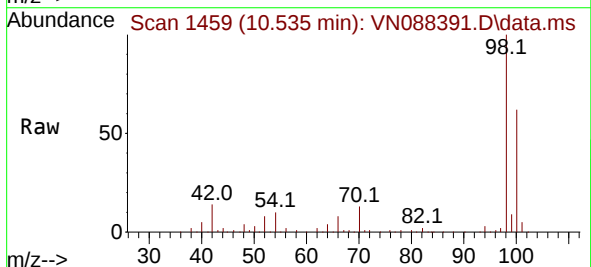
Instrument :  
MSVOA\_N  
ClientSampleId :

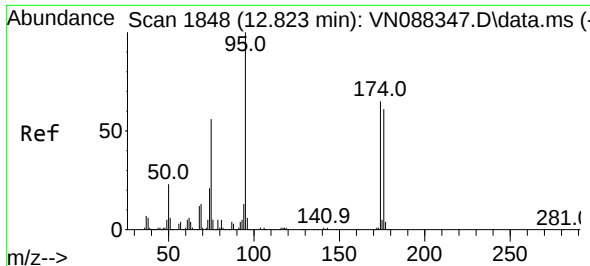
Tgt Ion: 98 Resp: 475600  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.2 78.2



#51  
4-Methyl-2-Pentanone  
Concen: 0.619 ug/l  
RT: 10.535 min Scan# 1459  
Delta R.T. 0.112 min  
Lab File: VN088391.D  
Acq: 01 Dec 2025 18:00

Tgt Ion: 43 Resp: 2852  
Ion Ratio Lower Upper  
43 100  
58 152.3 29.1 43.7#

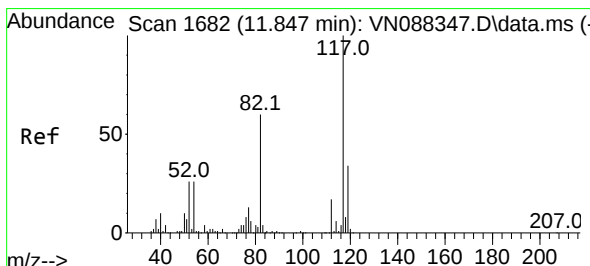
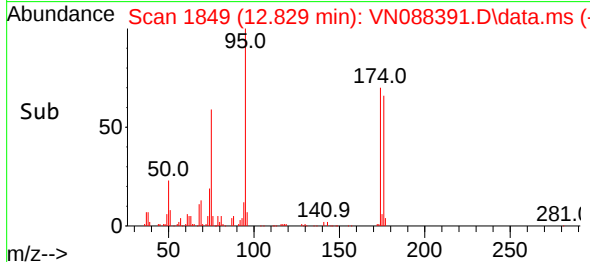
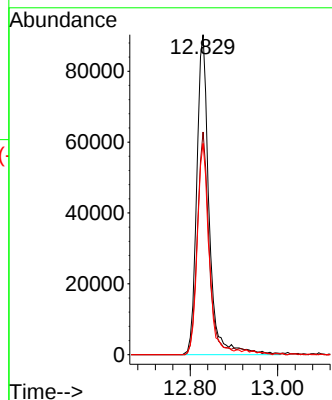
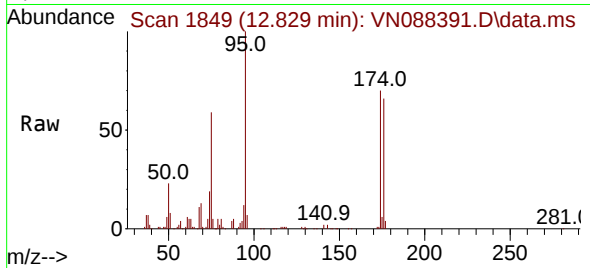




#62  
4-Bromofluorobenzene  
Concen: 55.078 ug/l  
RT: 12.829 min Scan# 1848  
Delta R.T. 0.006 min  
Lab File: VN088391.D  
Acq: 01 Dec 2025 18:00

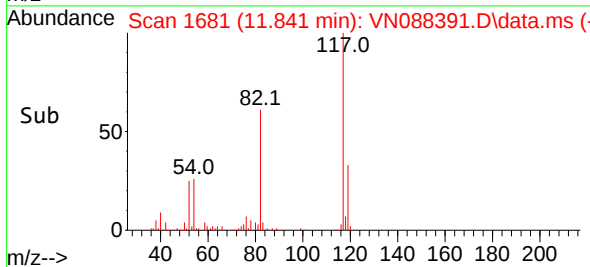
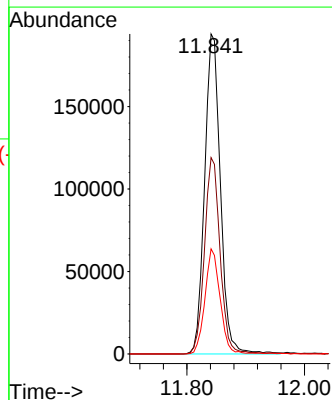
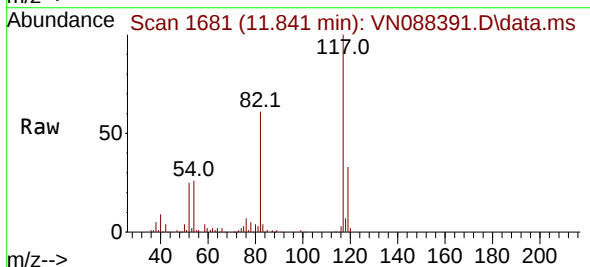
Instrument :  
MSVOA\_N  
ClientSampleId :

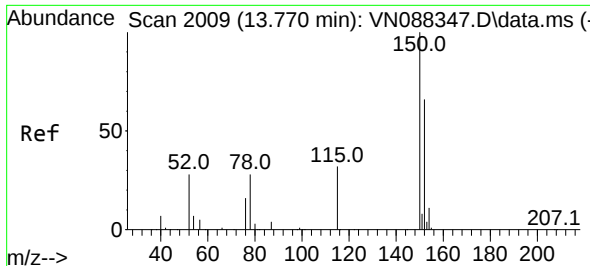
Tgt Ion: 95 Resp: 177205  
Ion Ratio Lower Upper  
95 100  
174 65.9 0.0 139.0  
176 62.8 0.0 132.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.841 min Scan# 1681  
Delta R.T. -0.006 min  
Lab File: VN088391.D  
Acq: 01 Dec 2025 18:00

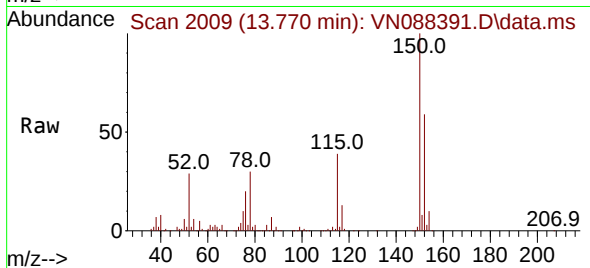
Tgt Ion: 117 Resp: 360625  
Ion Ratio Lower Upper  
117 100  
82 61.4 47.8 71.8  
119 32.8 26.9 40.3



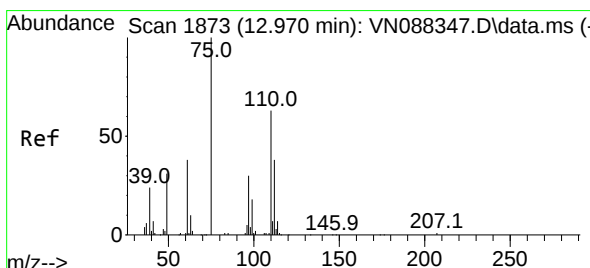
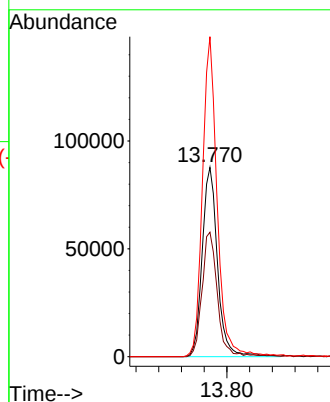
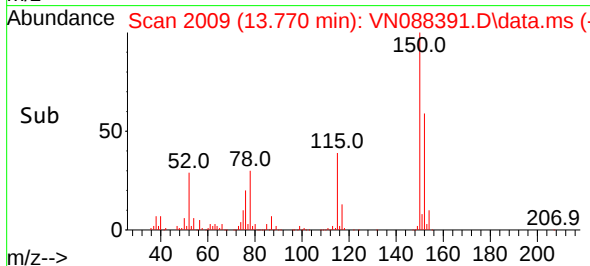


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.770 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN088391.D  
 Acq: 01 Dec 2025 18:00

Instrument :  
 MSVOA\_N  
 ClientSampleId :

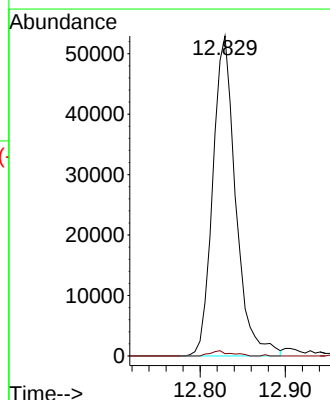
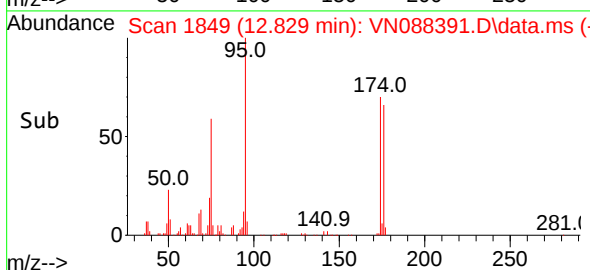
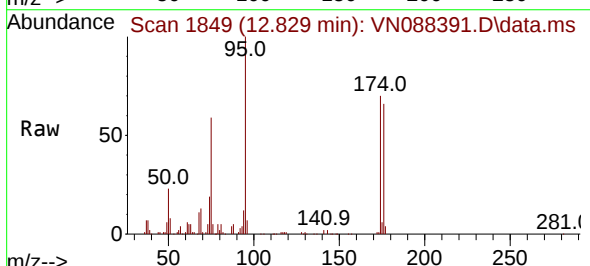


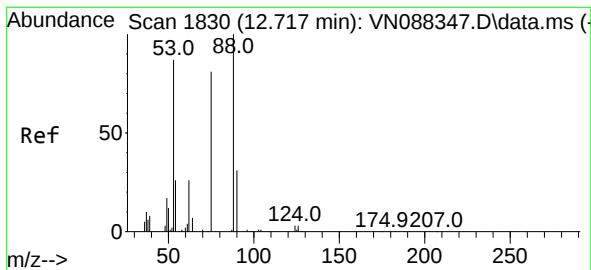
Tgt Ion:152 Resp: 164355  
 Ion Ratio Lower Upper  
 152 100  
 115 65.9 33.0 98.9  
 150 162.1 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 25.696 ug/l  
 RT: 12.829 min Scan# 1849  
 Delta R.T. -0.141 min  
 Lab File: VN088391.D  
 Acq: 01 Dec 2025 18:00

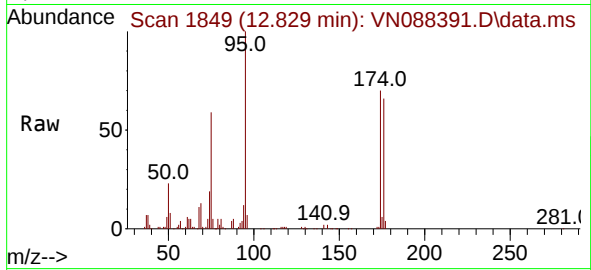
Tgt Ion: 75 Resp: 98918  
 Ion Ratio Lower Upper  
 75 100  
 77 1.4 87.2 261.6#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 72.899 ug/l  
RT: 12.829 min Scan# 11  
Delta R.T. 0.112 min  
Lab File: VN088391.D  
Acq: 01 Dec 2025 18:00

Instrument :  
MSVOA\_N  
ClientSampleId :



Tgt Ion: 75 Resp: 98918  
Ion Ratio Lower Upper  
75 100  
53 0.3 92.2 138.4#  
89 0.0 0.0 0.0

