

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111725\  
 Data File : VN088298.D  
 Acq On : 17 Nov 2025 12:57  
 Operator : JC\MD  
 Sample : Q3643-01RE  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Nov 18 02:59:59 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102325W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 03 01:16:06 2025  
 Response via : Initial Calibration

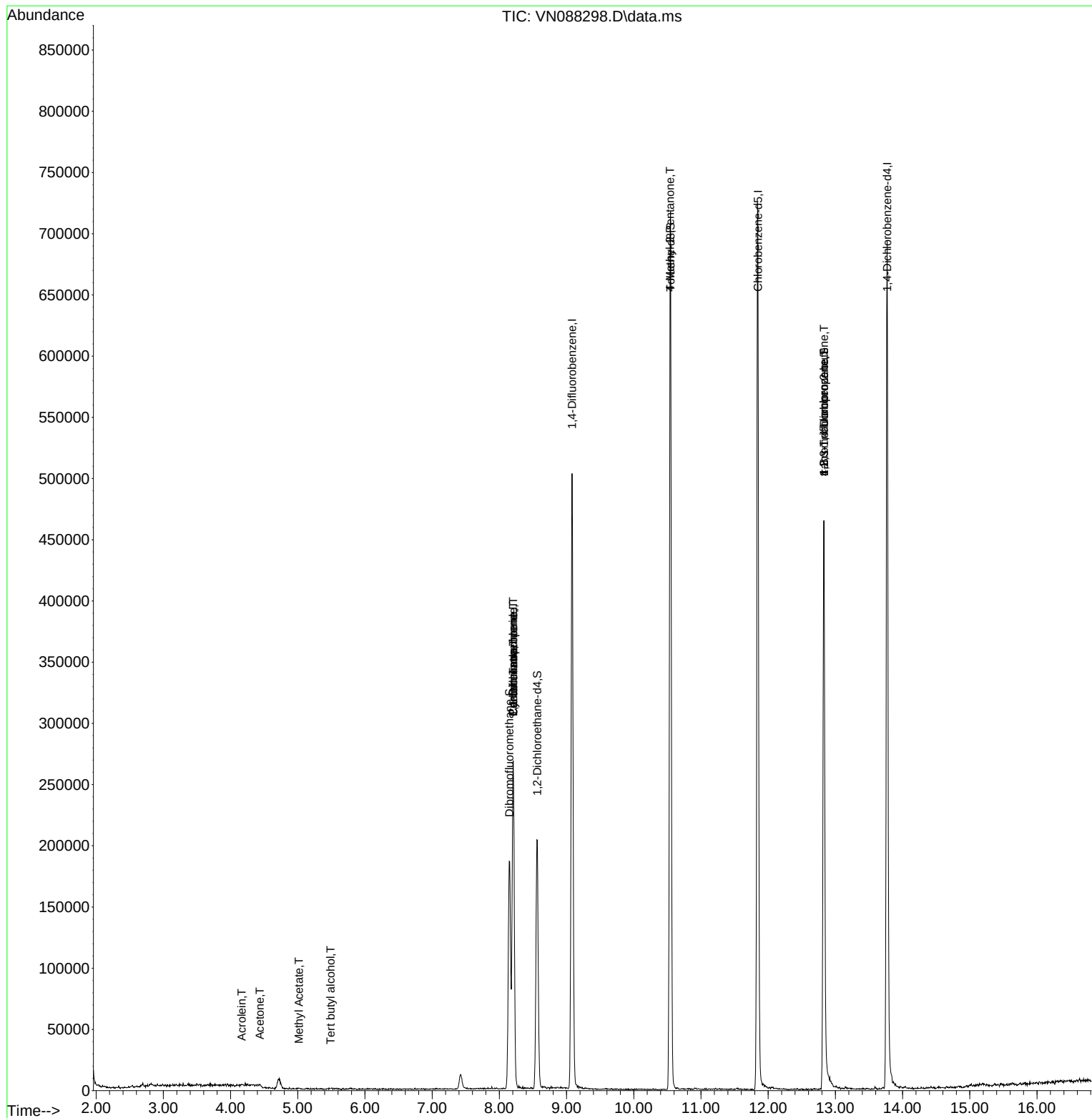
| Compound                      | R.T.   | QIon           | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|--------|----------------|----------|------------|--------|----------|
| -----                         |        |                |          |            |        |          |
| Internal Standards            |        |                |          |            |        |          |
| 1) Pentafluorobenzene         | 8.206  | 168            | 180499   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.082  | 114            | 408220   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.847 | 117            | 392968   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.770 | 152            | 188342   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds   |        |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.565  | 65             | 172416   | 55.240     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 74 - 125 | Recovery | = 110.480% |        |          |
| 35) Dibromofluoromethane      | 8.147  | 113            | 137399   | 50.101     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 75 - 124 | Recovery | = 100.200% |        |          |
| 50) Toluene-d8                | 10.547 | 98             | 480724   | 45.493     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 86 - 113 | Recovery | = 90.980%  |        |          |
| 62) 4-Bromofluorobenzene      | 12.829 | 95             | 173493   | 46.489     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 77 - 121 | Recovery | = 92.980%  |        |          |
| Target Compounds              |        |                |          |            |        |          |
|                               |        |                |          |            | Qvalue |          |
| 11) Tert butyl alcohol        | 5.489  | 59             | 445      | 0.828      | ug/l # | 71       |
| 13) Acrolein                  | 4.165  | 56             | 132      | 0.218      | ug/l # | 72       |
| 16) Acetone                   | 4.436  | 43             | 4535     | 2.892      | ug/l   | 97       |
| 18) Methyl Acetate            | 5.018  | 43             | 785      | 0.245      | ug/l # | 54       |
| 31) Cyclohexane               | 8.206  | 56             | 5353     | 1.225      | ug/l # | 7        |
| 36) 1,1-Dichloropropene       | 8.206  | 75             | 17283    | 4.316      | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 8.206  | 117            | 22007    | 5.321      | ug/l # | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.541 | 43             | 2862     | 0.609      | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.829 | 75             | 99624    | 23.136     | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.829 | 75             | 99624    | 64.538     | ug/l # | 1        |
| -----                         |        |                |          |            |        |          |

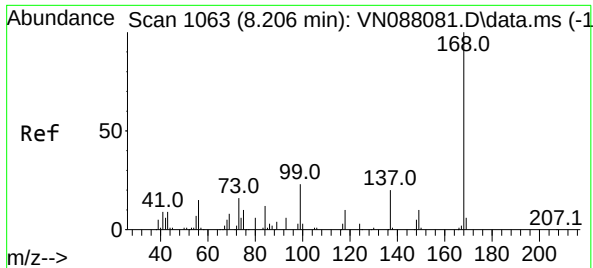
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111725\  
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ALS Vial : 9 Sample Multiplier: 1

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102325W.M  
Quant Title : SW846 8260  
QLast Update : Mon Nov 03 01:16:06 2025  
Response via : Initial Calibration

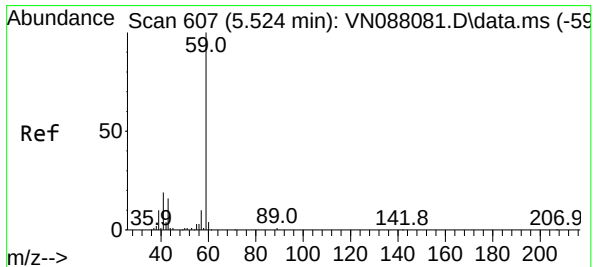
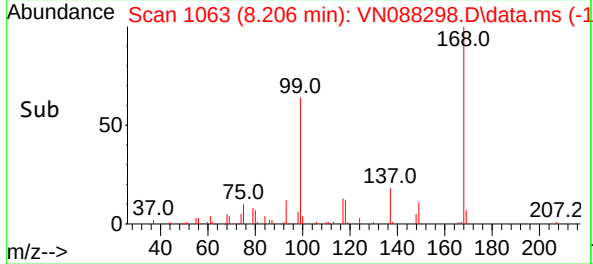
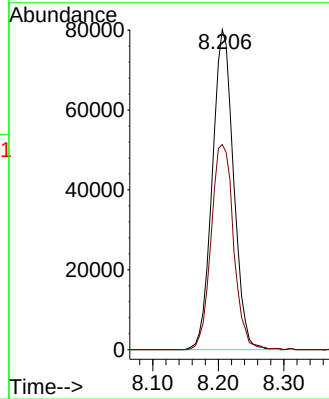
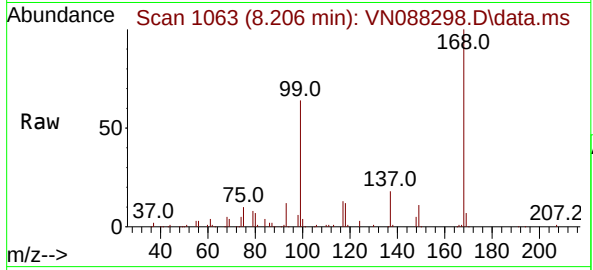




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: VN088298.D  
Acq: 17 Nov 2025 12:57

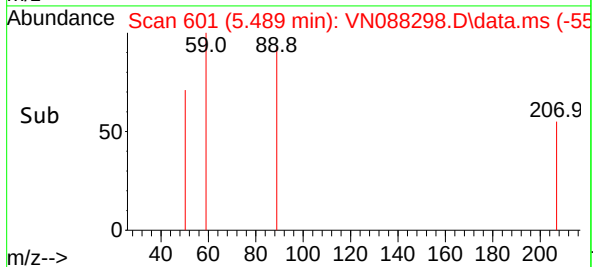
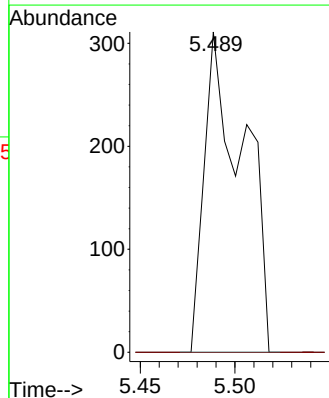
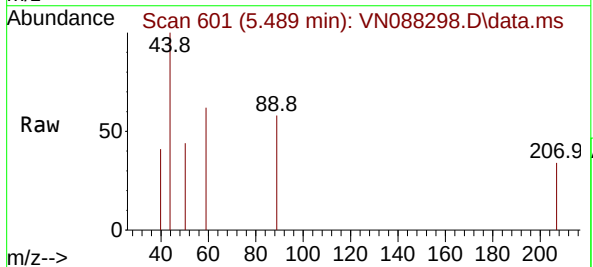
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

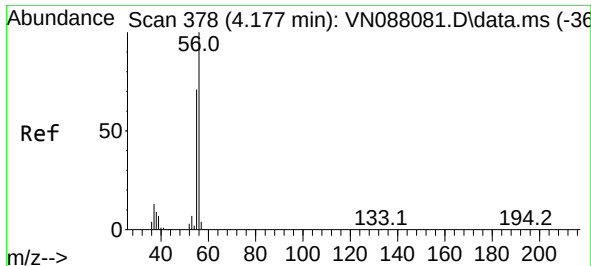
Tgt Ion:168 Resp: 180499  
Ion Ratio Lower Upper  
168 100  
99 64.1 57.2 85.8



#11  
Tert butyl alcohol  
Concen: 0.828 ug/l  
RT: 5.489 min Scan# 601  
Delta R.T. -0.030 min  
Lab File: VN088298.D  
Acq: 17 Nov 2025 12:57

Tgt Ion: 59 Resp: 445  
Ion Ratio Lower Upper  
59 100  
57 0.0 9.0 13.4#

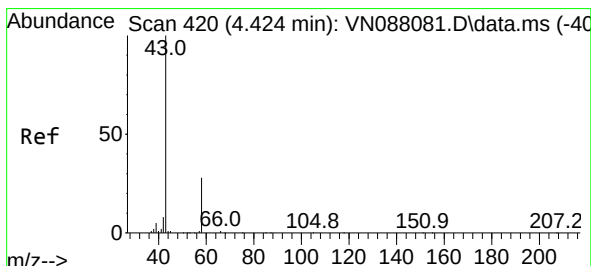
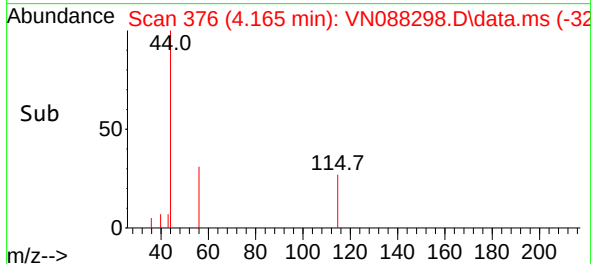
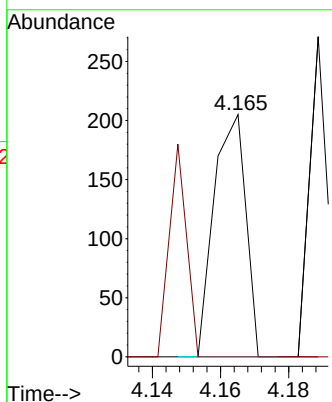
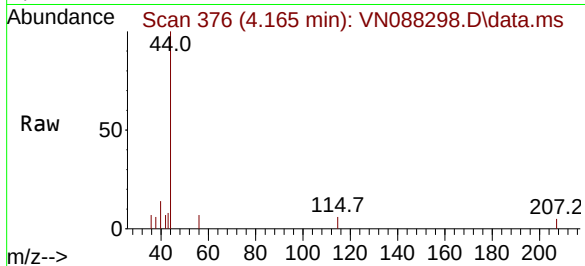




#13  
Acrolein  
Concen: 0.218 ug/l  
RT: 4.165 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VN088298.D  
Acq: 17 Nov 2025 12:57

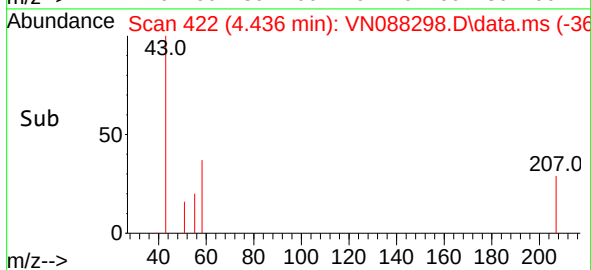
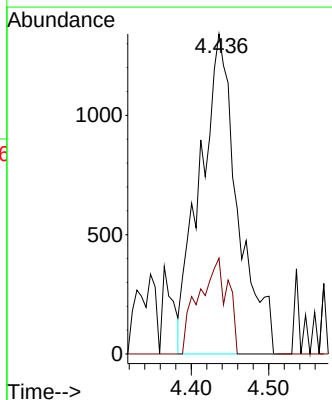
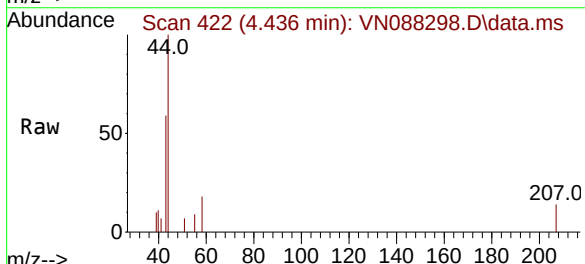
Instrument :  
MSVOA\_N  
ClientSampleId :  
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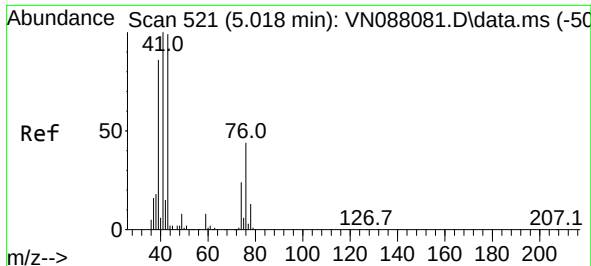
Tgt Ion: 56 Resp: 132  
Ion Ratio Lower Upper  
56 100  
55 48.5 57.3 85.9#



#16  
Acetone  
Concen: 2.892 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.012 min  
Lab File: VN088298.D  
Acq: 17 Nov 2025 12:57

Tgt Ion: 43 Resp: 4535  
Ion Ratio Lower Upper  
43 100  
58 29.9 22.6 33.8

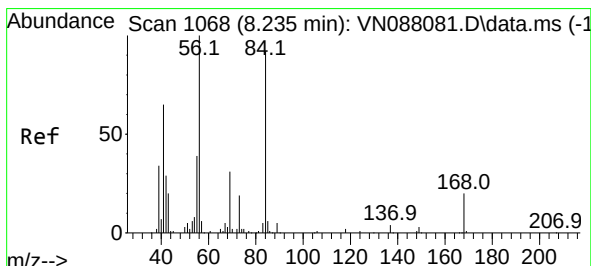
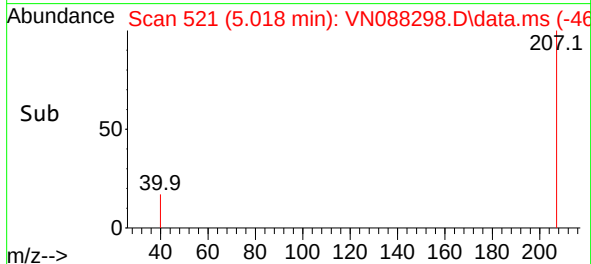
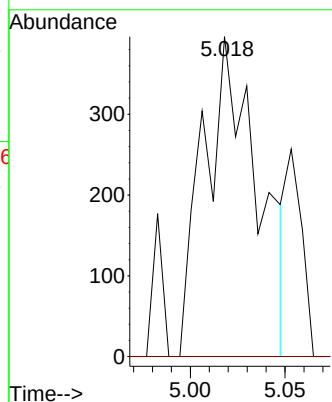
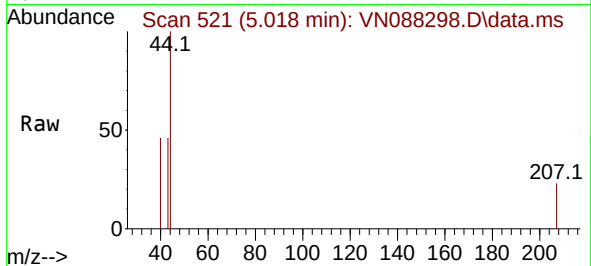




#18  
Methyl Acetate  
Concen: 0.245 ug/l  
RT: 5.018 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN088298.D  
Acq: 17 Nov 2025 12:57

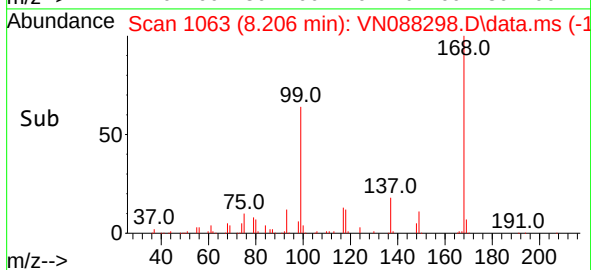
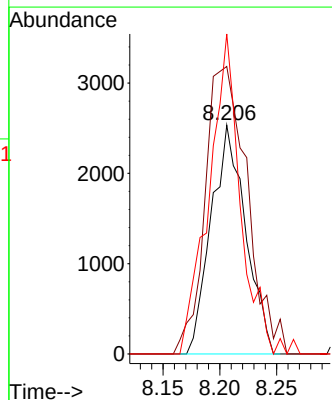
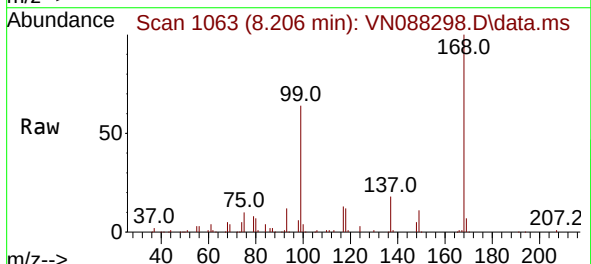
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

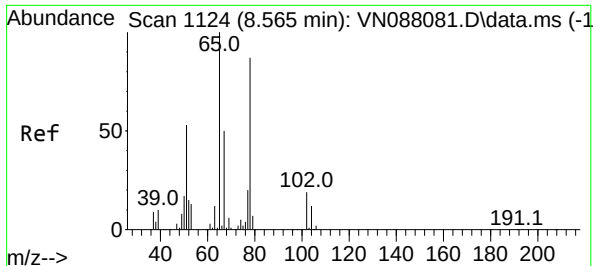
Tgt Ion: 43 Resp: 785  
Ion Ratio Lower Upper  
43 100  
74 0.0 17.6 26.4#



#31  
Cyclohexane  
Concen: 1.225 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. -0.030 min  
Lab File: VN088298.D  
Acq: 17 Nov 2025 12:57

Tgt Ion: 56 Resp: 5353  
Ion Ratio Lower Upper  
56 100  
69 119.6 23.7 35.5#  
84 139.9 64.7 97.1#





#33

1,2-Dichloroethane-d4

Concen: 55.240 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN088298.D

Acq: 17 Nov 2025 12:57

Instrument :

MSVOA\_N

ClientSampleId :

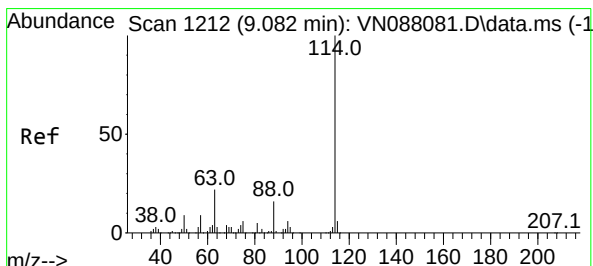
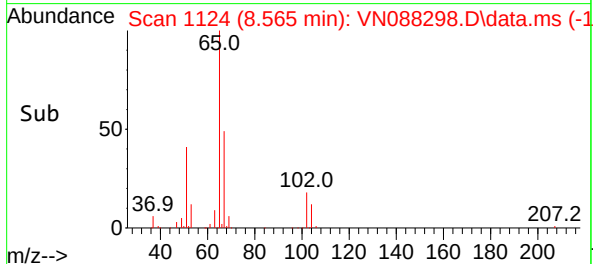
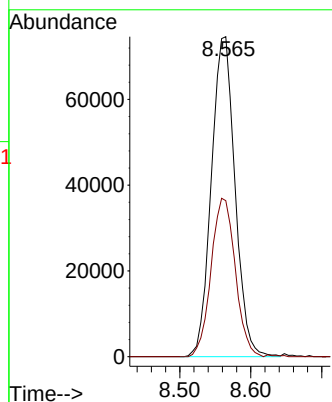
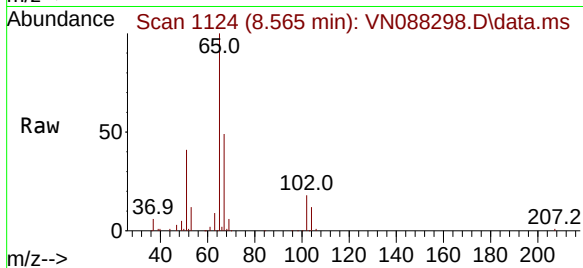
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 65 Resp: 172416

Ion Ratio Lower Upper

65 100

67 50.6 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088298.D

Acq: 17 Nov 2025 12:57

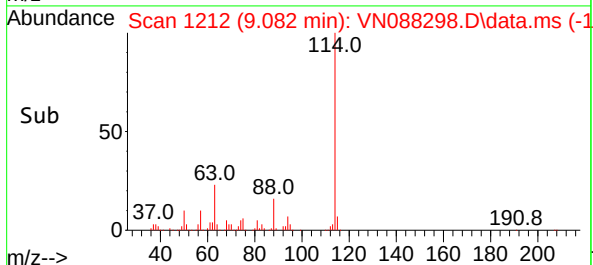
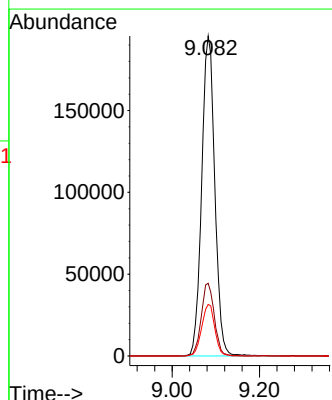
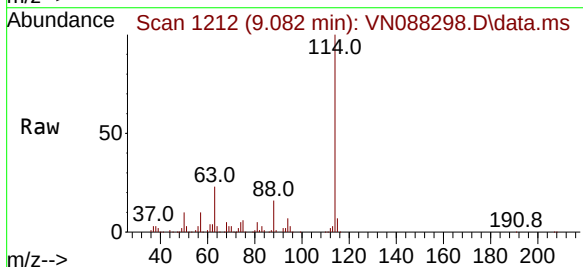
Tgt Ion: 114 Resp: 408220

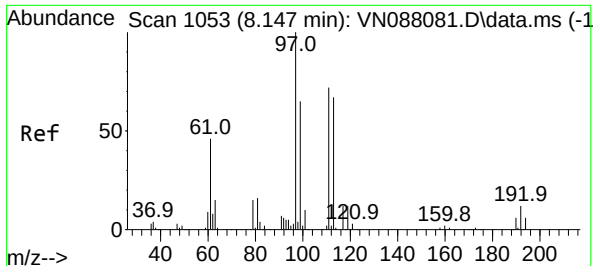
Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.2

88 16.1 0.0 33.4

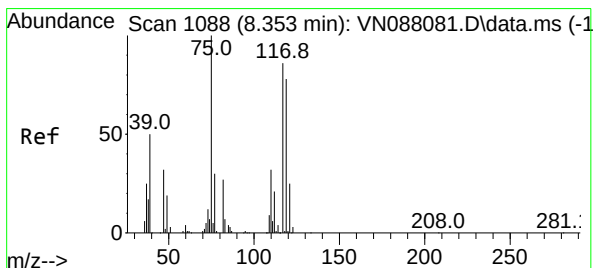
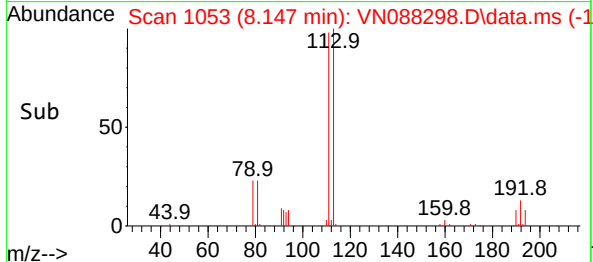
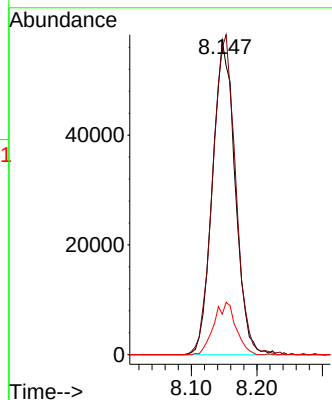
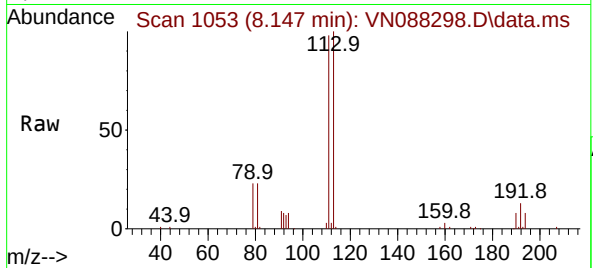




#35  
 Dibromofluoromethane  
 Concen: 50.101 ug/l  
 RT: 8.147 min Scan# 1053  
 Delta R.T. -0.006 min  
 Lab File: VN088298.D  
 Acq: 17 Nov 2025 12:57

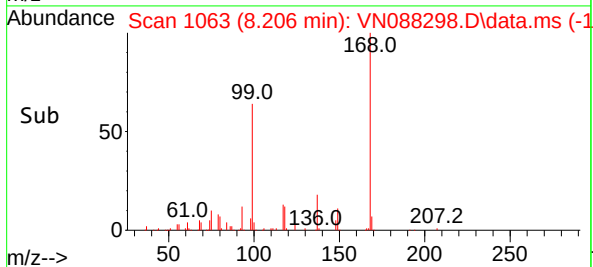
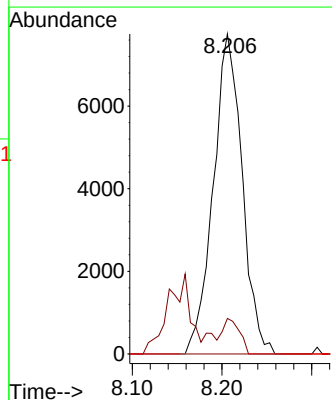
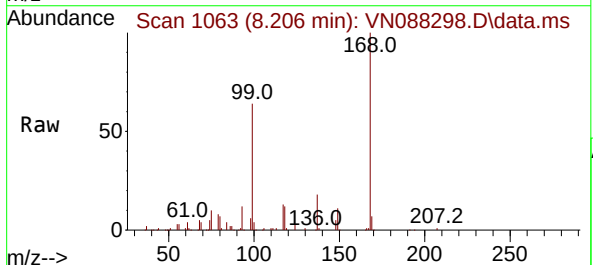
Instrument :  
 MSVOA\_N  
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 STORAGE-BLANK-SOIL-REF-6

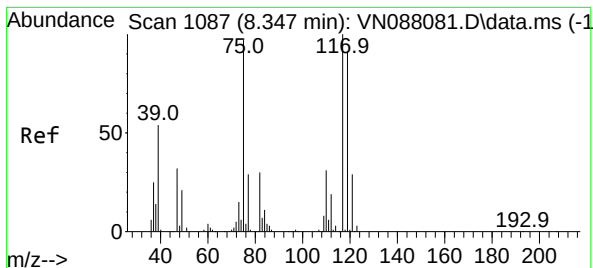
Tgt Ion:113 Resp: 137399  
 Ion Ratio Lower Upper  
 113 100  
 111 103.0 82.8 124.2  
 192 16.2 12.8 19.2



#36  
 1,1-Dichloropropene  
 Concen: 4.316 ug/l  
 RT: 8.206 min Scan# 1063  
 Delta R.T. -0.147 min  
 Lab File: VN088298.D  
 Acq: 17 Nov 2025 12:57

Tgt Ion: 75 Resp: 17283  
 Ion Ratio Lower Upper  
 75 100  
 110 6.5 15.9 47.6#  
 77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 5.321 ug/l

RT: 8.206 min Scan# 117

Delta R.T. -0.135 min

Lab File: VN088298.D

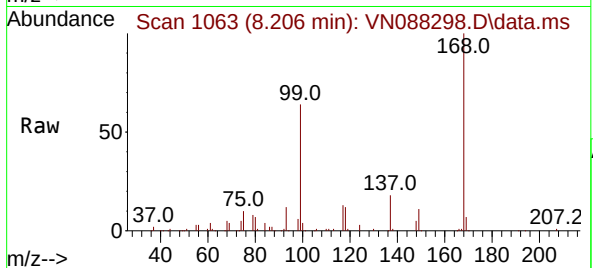
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Instrument :

MSVOA\_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6



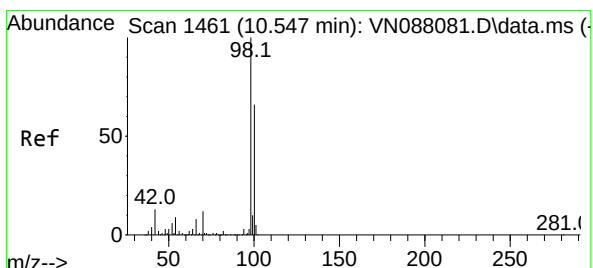
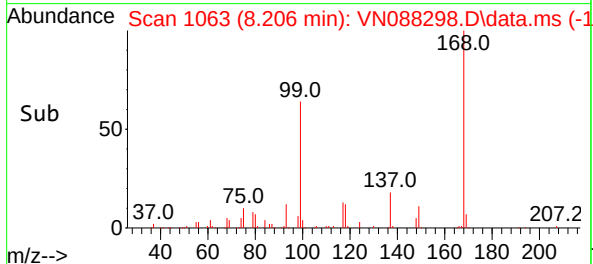
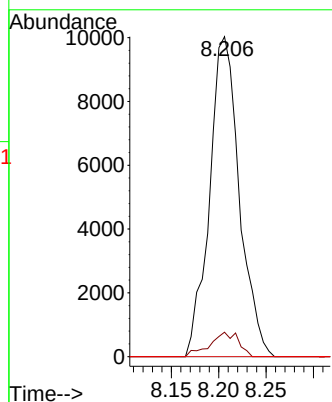
Tgt Ion:117 Resp: 22007

Ion Ratio Lower Upper

117 100

119 7.6 79.0 118.6#

121 0.0 25.0 37.6#



#50

Toluene-d8

Concen: 45.493 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.000 min

Lab File: VN088298.D

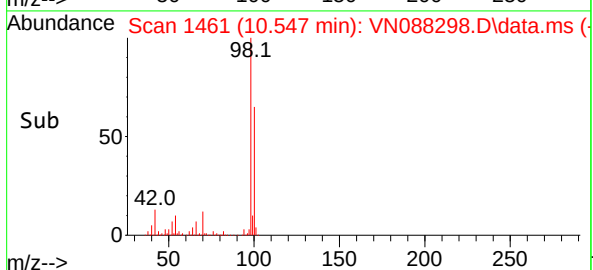
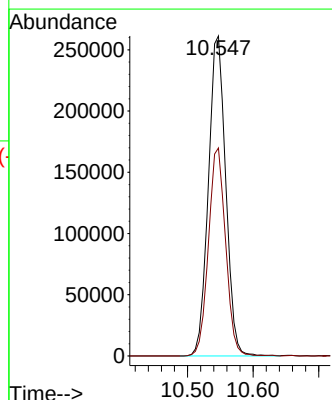
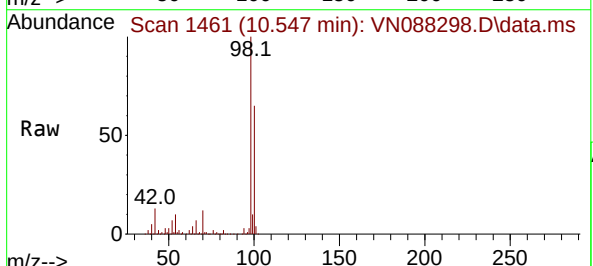
Acq: 17 Nov 2025 12:57

Tgt Ion: 98 Resp: 480724

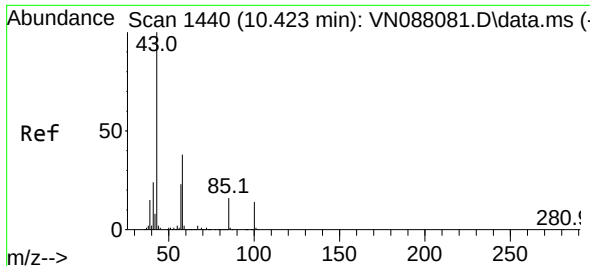
Ion Ratio Lower Upper

98 100

100 64.3 52.8 79.2



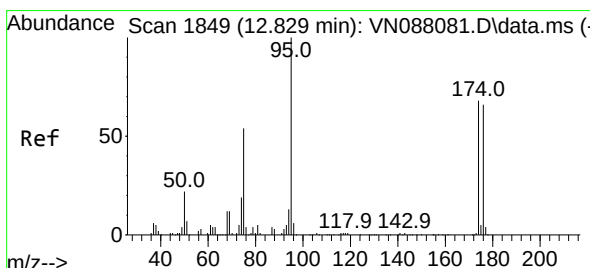
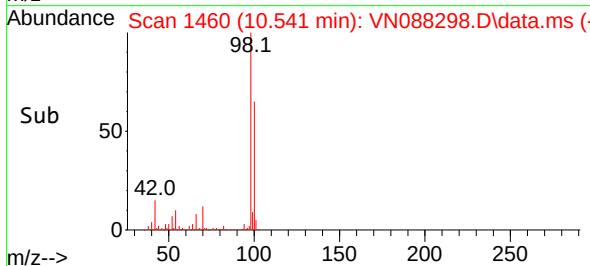
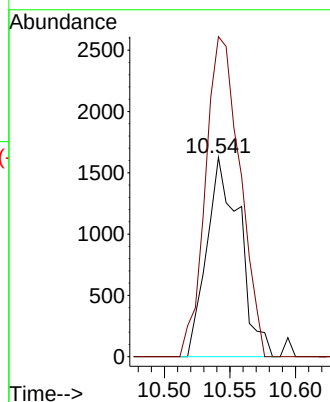
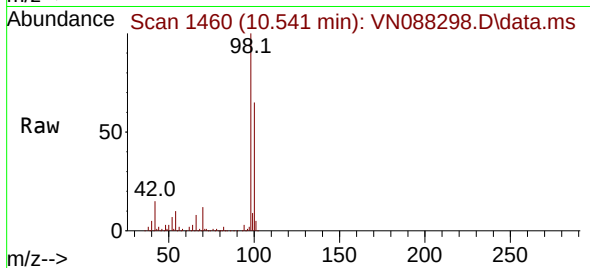




#51  
4-Methyl-2-Pentanone  
Concen: 0.609 ug/l  
RT: 10.541 min Scan# 1440  
Delta R.T. 0.118 min  
Lab File: VN088298.D  
Acq: 17 Nov 2025 12:57

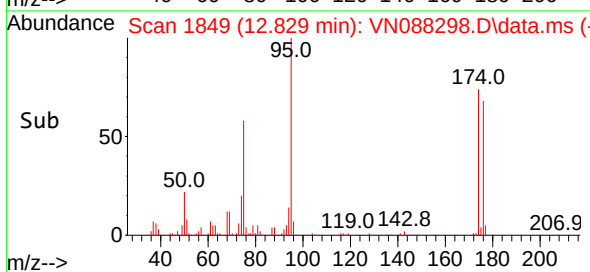
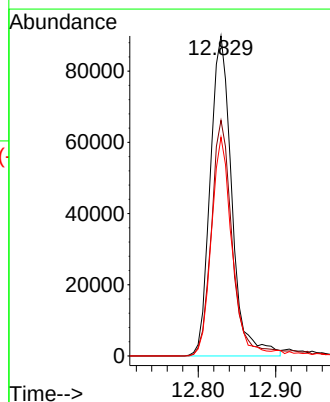
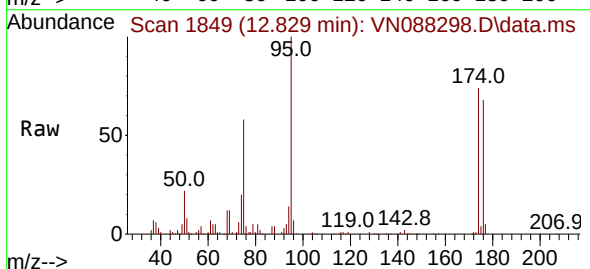
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

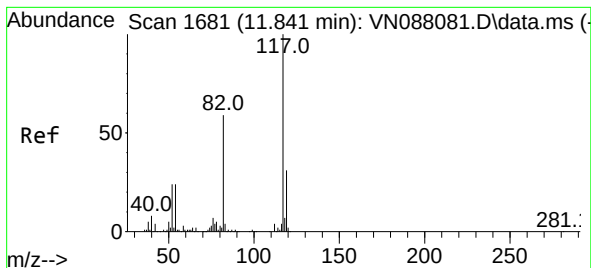
Tgt Ion: 43 Resp: 2862  
Ion Ratio Lower Upper  
43 100  
58 167.4 29.6 44.4#



#62  
4-Bromofluorobenzene  
Concen: 46.489 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.006 min  
Lab File: VN088298.D  
Acq: 17 Nov 2025 12:57

Tgt Ion: 95 Resp: 173493  
Ion Ratio Lower Upper  
95 100  
174 73.5 0.0 138.4  
176 67.4 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.847 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN088298.D

Acq: 17 Nov 2025 12:57

Instrument :

MSVOA\_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

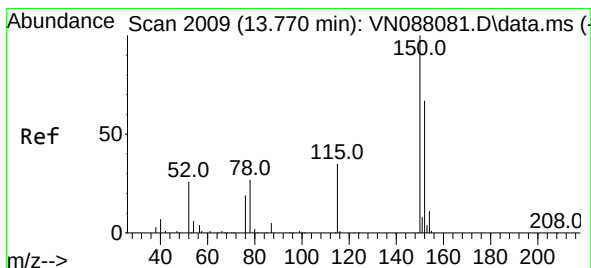
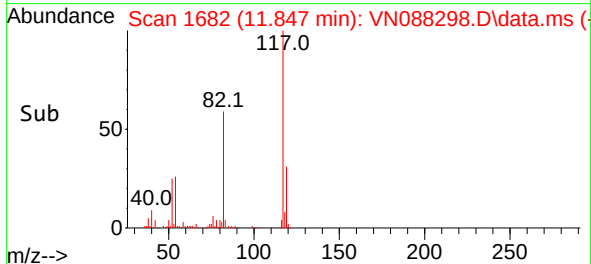
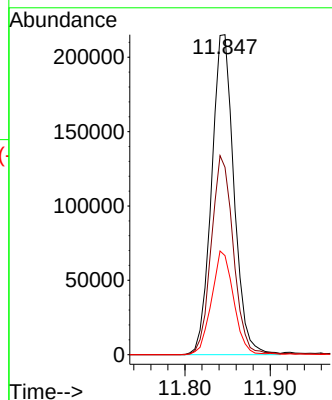
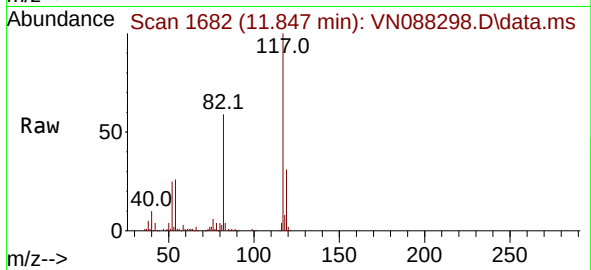
Tgt Ion:117 Resp: 392968

Ion Ratio Lower Upper

117 100

82 58.6 47.4 71.2

119 31.0 24.3 36.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.006 min

Lab File: VN088298.D

Acq: 17 Nov 2025 12:57

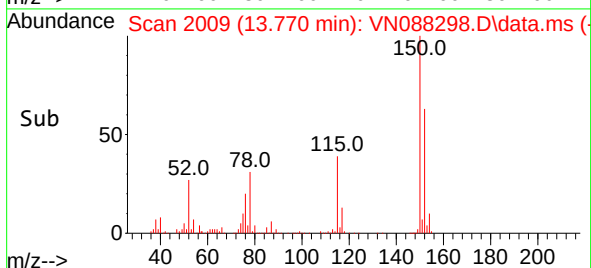
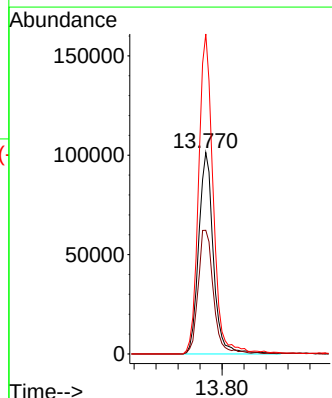
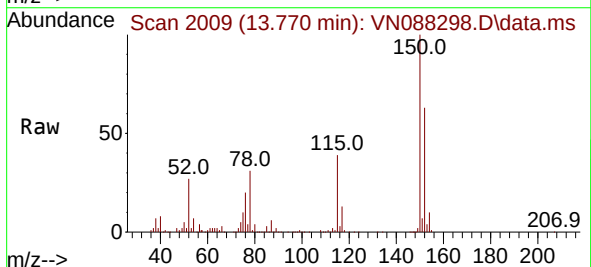
Tgt Ion:152 Resp: 188342

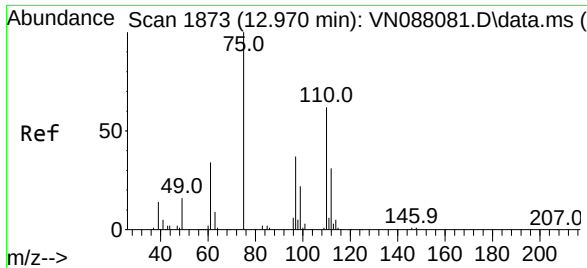
Ion Ratio Lower Upper

152 100

115 63.6 32.3 96.8

150 156.0 0.0 351.0

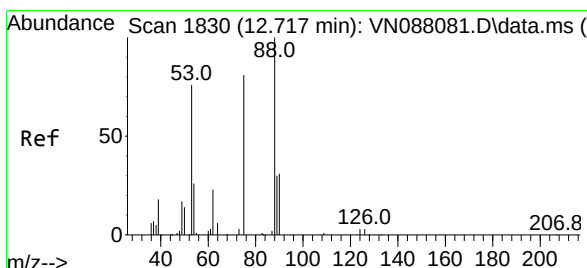
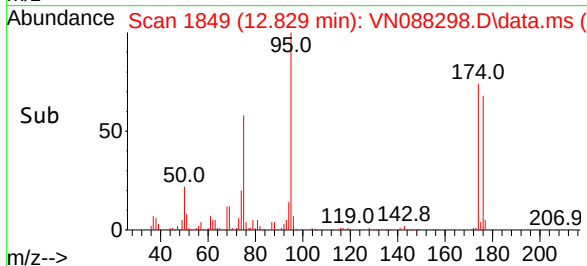
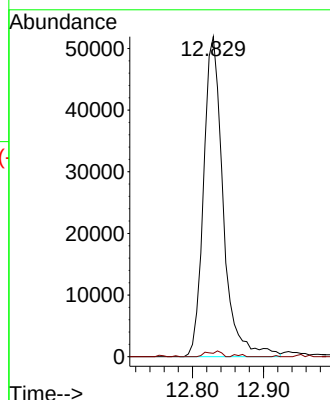
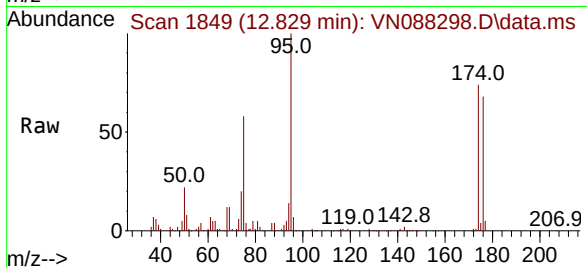




#76  
1,2,3-Trichloropropane  
Concen: 23.136 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. -0.141 min  
Lab File: VN088298.D  
Acq: 17 Nov 2025 12:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 75 Resp: 99624  
Ion Ratio Lower Upper  
75 100  
77 1.3 89.1 267.4#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 64.538 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.112 min  
Lab File: VN088298.D  
Acq: 17 Nov 2025 12:57

Tgt Ion: 75 Resp: 99624  
Ion Ratio Lower Upper  
75 100  
53 0.1 101.8 152.6#  
89 0.0 35.6 53.4#

