

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
 Data File : VN087082.D
 Acq On : 18 Jun 2025 13:56
 Operator : JC\MD
 Sample : Q2340-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP05-MH17A-WC

Quant Time: Jun 19 01:27:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

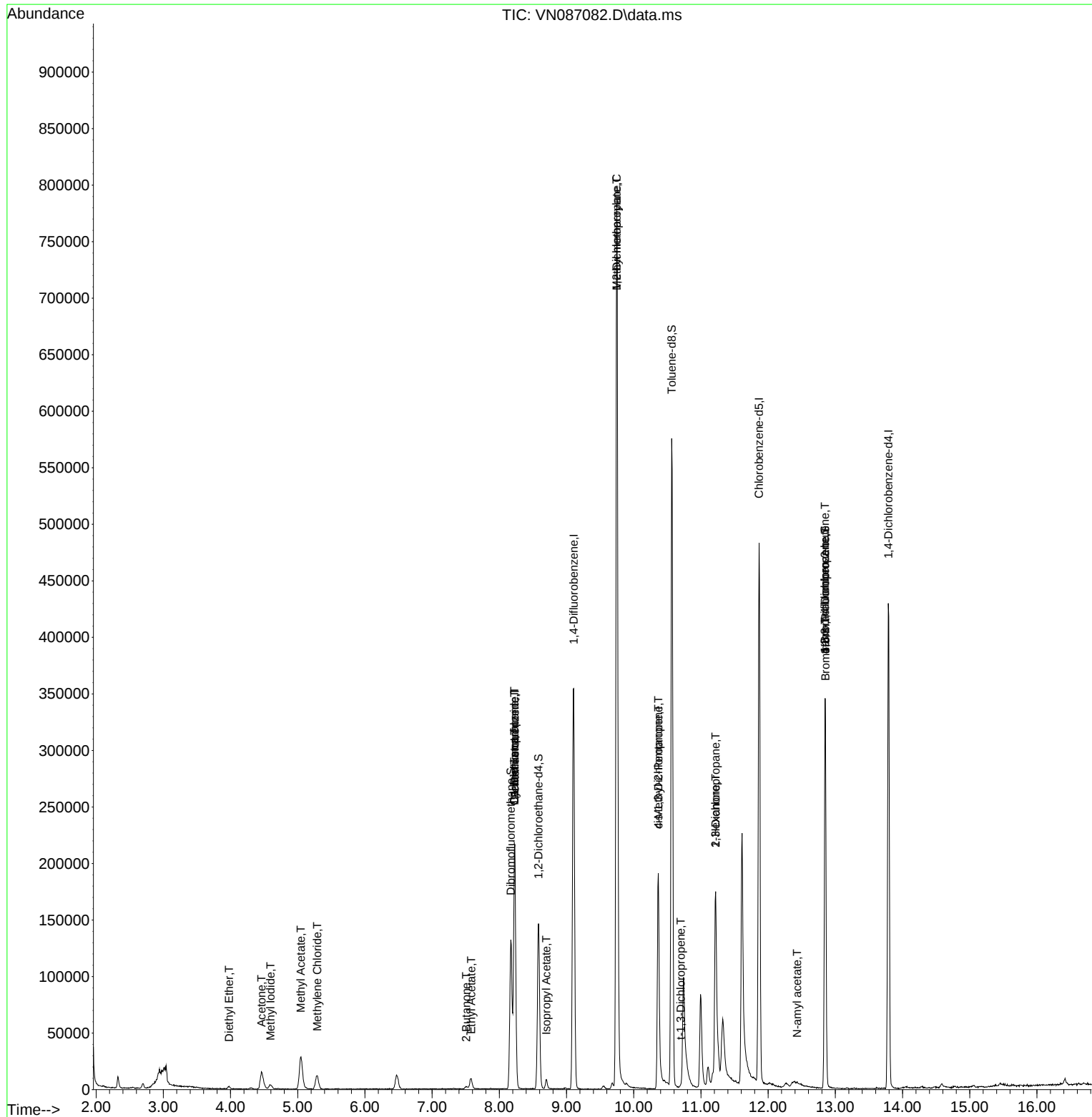
Internal Standards						
1) Pentafluorobenzene	8.230	168	172450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	340635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	304906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	129697	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	122081	52.874	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.740%			
35) Dibromofluoromethane	8.171	113	102206	50.630	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.260%			
50) Toluene-d8	10.565	98	420645	52.637	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.280%			
62) 4-Bromofluorobenzene	12.847	95	136566	45.996	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.000%			
Target Compounds					Qvalue	
8) Diethyl Ether	3.977	74	1199	0.920	ug/l	63
10) Methyl Iodide	4.595	142	8042	3.300	ug/l	90
16) Acetone	4.459	43	33277	27.177	ug/l	97
18) Methyl Acetate	5.048	43	63953	17.923	ug/l	99
20) Methylene Chloride	5.289	84	11306	4.932	ug/l #	85
25) 2-Butanone	7.506	43	4118	2.069	ug/l	94
31) Cyclohexane	8.224	56	3193	0.853	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13172	4.379	ug/l #	49
37) Ethyl Acetate	7.583	43	15016	3.921	ug/l	97
38) Carbon Tetrachloride	8.224	117	16886	5.718	ug/l #	18
43) Isopropyl Acetate	8.700	43	9023	1.468	ug/l #	88
45) 1,2-Dichloropropane	9.747	63	1158	0.484	ug/l #	43
48) Methyl methacrylate	9.747	41	68411	24.184	ug/l #	35
51) 4-Methyl-2-Pentanone	10.365	43	78021	21.087	ug/l #	44
53) t-1,3-Dichloropropene	10.700	75	2448	0.669	ug/l #	42
54) cis-1,3-Dichloropropene	10.365	75	49190	12.572	ug/l #	55
57) 1,3-Dichloropropane	11.218	76	2922	0.728	ug/l #	43
59) 2-Hexanone	11.218	43	29284	12.287	ug/l #	55
71) Bromoform	12.853	173	521	0.325	ug/l #	1
74) N-amyl acetate	12.429	43	916	0.277	ug/l #	50
76) 1,2,3-Trichloropropane	12.847	75	63479	20.590	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	63479	47.398	ug/l #	16

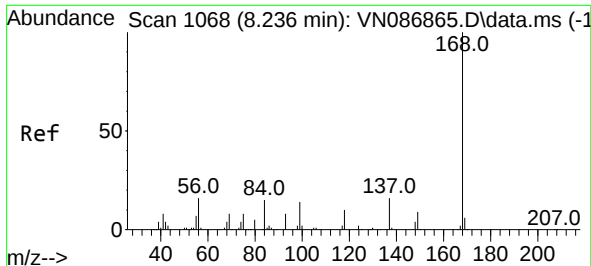
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
Data File : VN087082.D
Acq On : 18 Jun 2025 13:56
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Sample : Q2340-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP05-MH17A-WC

Quant Time: Jun 19 01:27:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

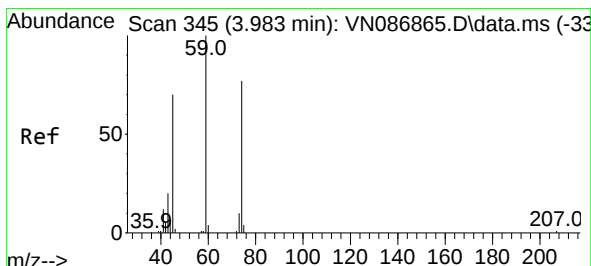
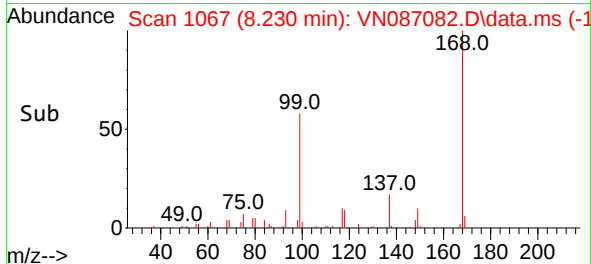
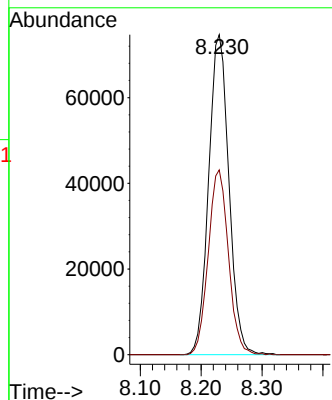
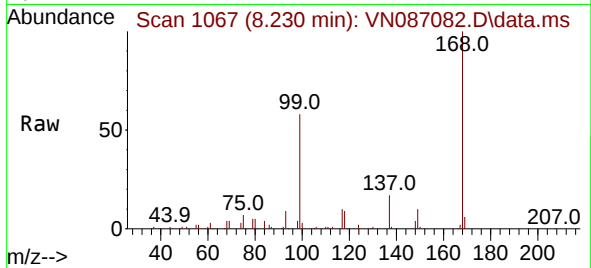




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087082.D
Acq: 18 Jun 2025 13:56

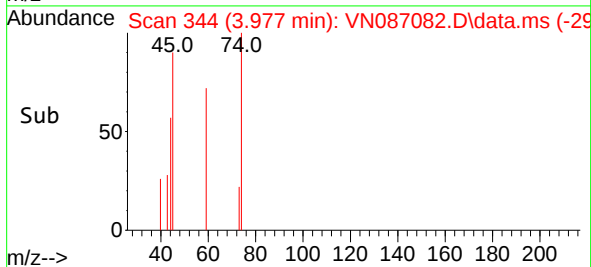
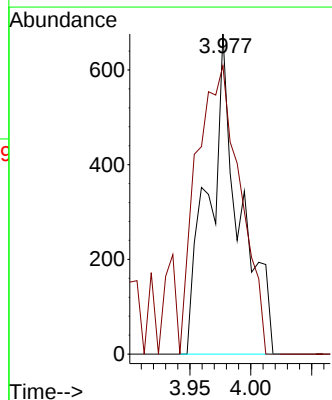
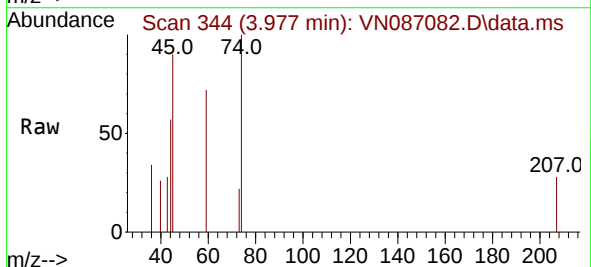
Instrument :
MSVOA_N
ClientSampleId :
TP05-MH17A-WC

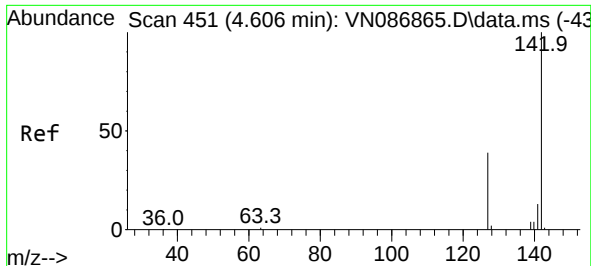
Tgt Ion:168 Resp: 172450
Ion Ratio Lower Upper
168 100
99 57.8 49.1 73.7



#8
Diethyl Ether
Concen: 0.920 ug/l
RT: 3.977 min Scan# 344
Delta R.T. -0.006 min
Lab File: VN087082.D
Acq: 18 Jun 2025 13:56

Tgt Ion: 74 Resp: 1199
Ion Ratio Lower Upper
74 100
45 126.4 45.5 136.5

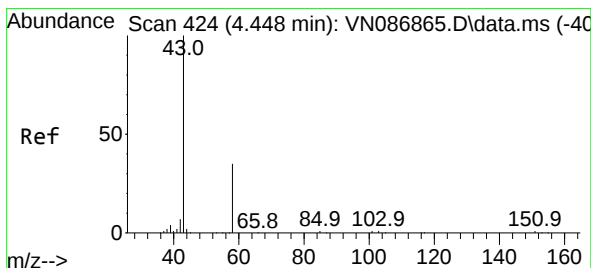
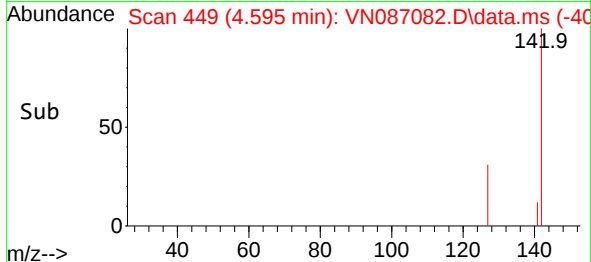
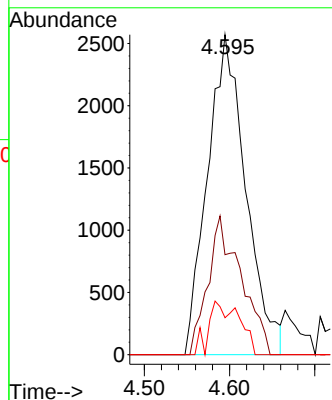
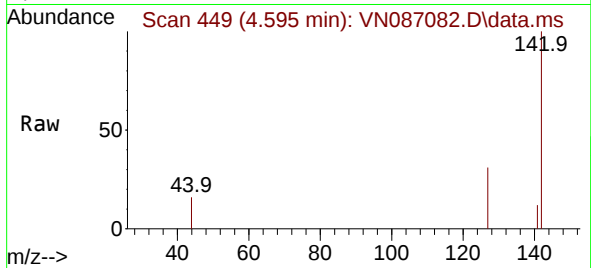




#10
Methyl Iodide
Concen: 3.300 ug/l
RT: 4.595 min Scan# 449
Delta R.T. -0.012 min
Lab File: VN087082.D
Acq: 18 Jun 2025 13:56

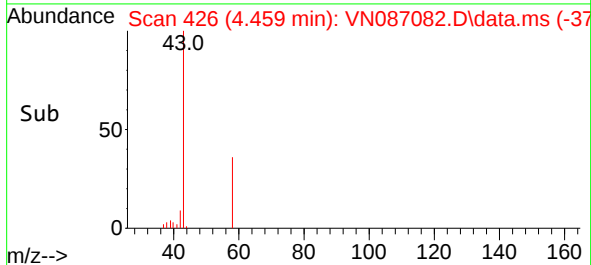
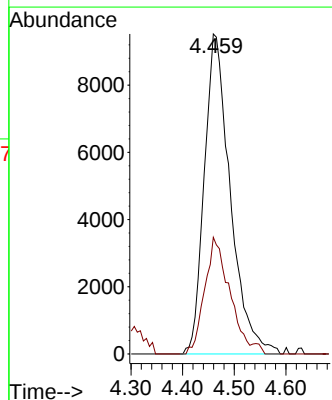
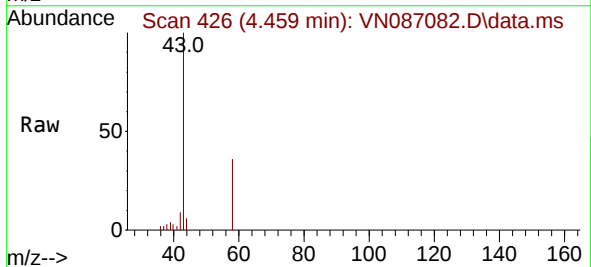
Instrument :
MSVOA_N
ClientSampleId :
TP05-MH17A-WC

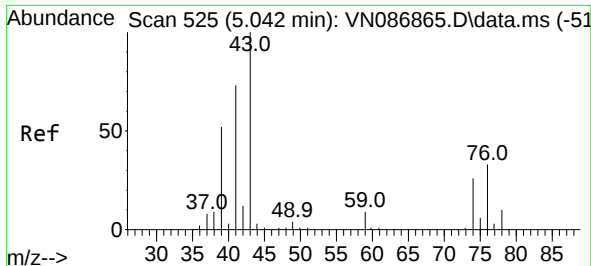
Tgt Ion:142 Resp: 8042
Ion Ratio Lower Upper
142 100
127 31.3 30.9 46.3
141 11.6 10.4 15.6



#16
Acetone
Concen: 27.177 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN087082.D
Acq: 18 Jun 2025 13:56

Tgt Ion: 43 Resp: 33277
Ion Ratio Lower Upper
43 100
58 36.5 28.0 42.0

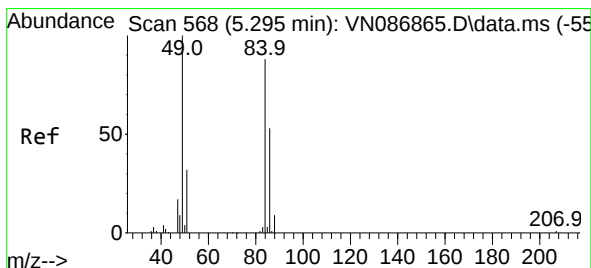
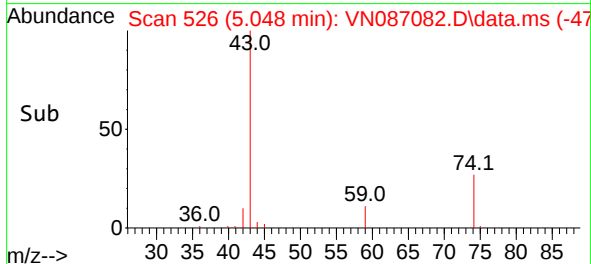
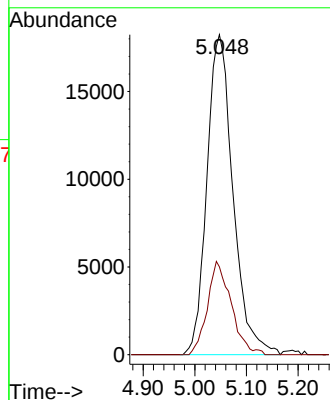
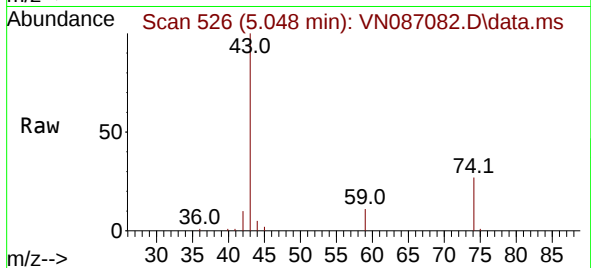




#18
Methyl Acetate
Concen: 17.923 ug/l
RT: 5.048 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087082.D
Acq: 18 Jun 2025 13:56

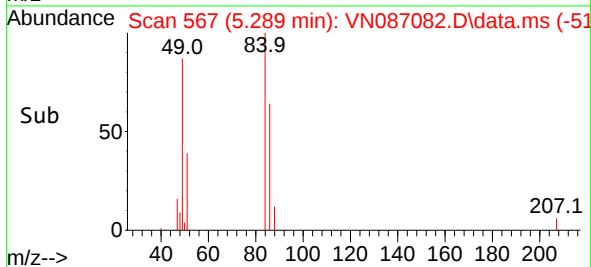
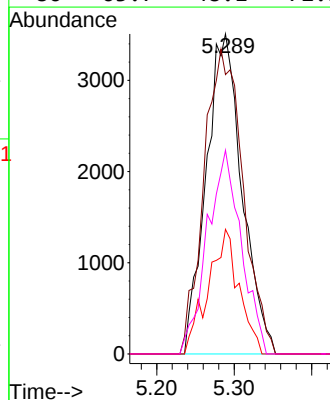
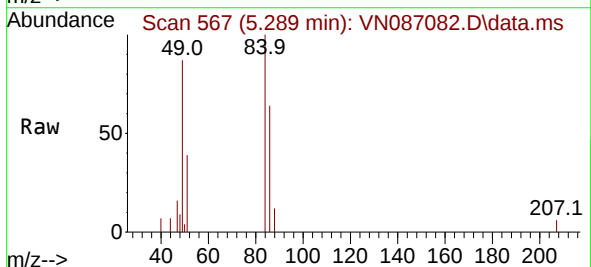
Instrument :
MSVOA_N
ClientSampleId :
TP05-MH17A-WC

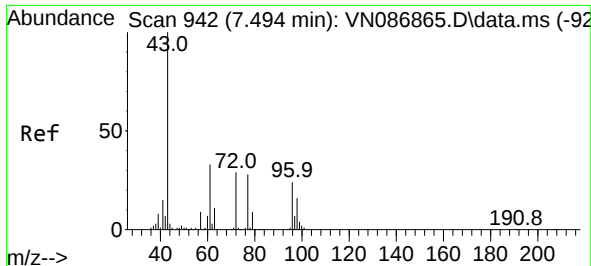
Tgt Ion: 43 Resp: 63953
Ion Ratio Lower Upper
43 100
74 26.6 20.7 31.1



#20
Methylene Chloride
Concen: 4.932 ug/l
RT: 5.289 min Scan# 567
Delta R.T. -0.006 min
Lab File: VN087082.D
Acq: 18 Jun 2025 13:56

Tgt Ion: 84 Resp: 11306
Ion Ratio Lower Upper
84 100
49 87.3 90.5 135.7#
51 38.9 28.5 42.7
86 63.7 48.1 72.1

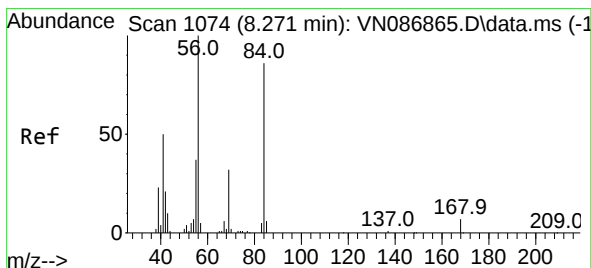
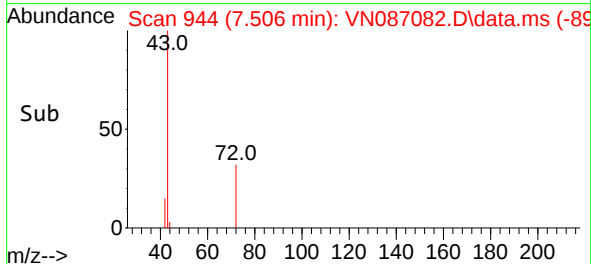
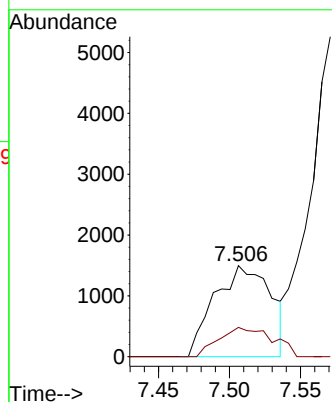
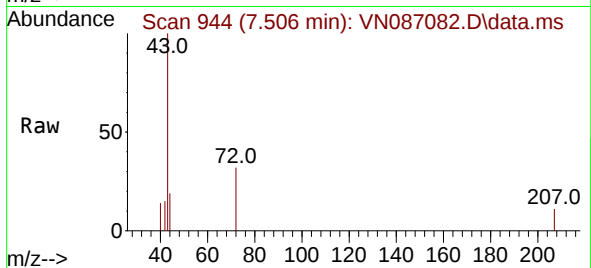




#25
2-Butanone
Concen: 2.069 ug/l
RT: 7.506 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN087082.D
Acq: 18 Jun 2025 13:56

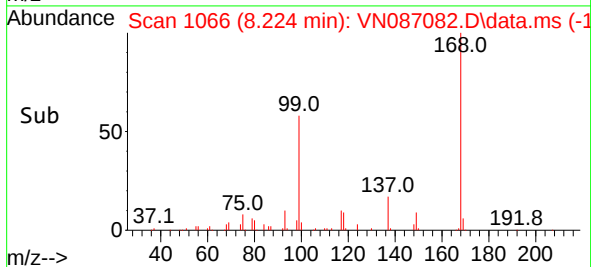
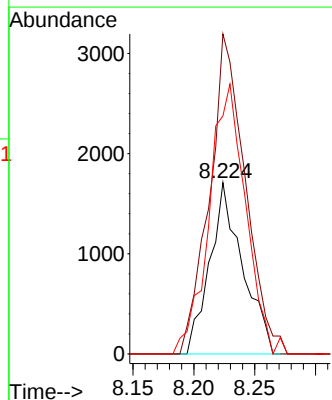
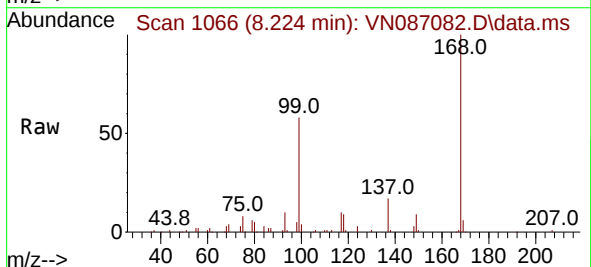
Instrument :
MSVOA_N
ClientSampleId :
TP05-MH17A-WC

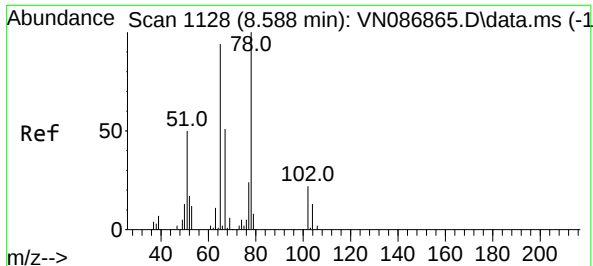
Tgt Ion: 43 Resp: 4118
Ion Ratio Lower Upper
43 100
72 32.1 23.0 34.6



#31
Cyclohexane
Concen: 0.853 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.047 min
Lab File: VN087082.D
Acq: 18 Jun 2025 13:56

Tgt Ion: 56 Resp: 3193
Ion Ratio Lower Upper
56 100
69 186.7 25.4 38.0#
84 129.7 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 52.874 ug/l

RT: 8.583 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087082.D

Acq: 18 Jun 2025 13:56

Instrument :

MSVOA_N

ClientSampleId :

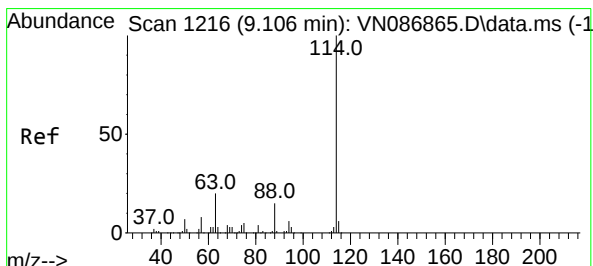
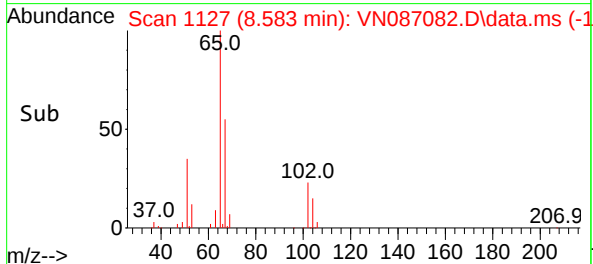
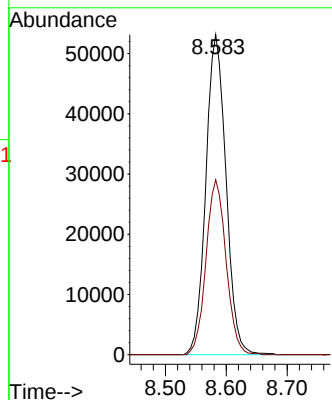
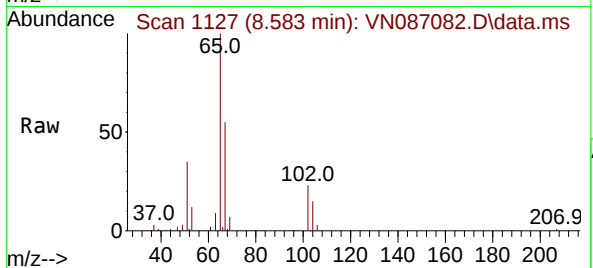
TP05-MH17A-WC

Tgt Ion: 65 Resp: 122081

Ion Ratio Lower Upper

65 100

67 54.4 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN087082.D

Acq: 18 Jun 2025 13:56

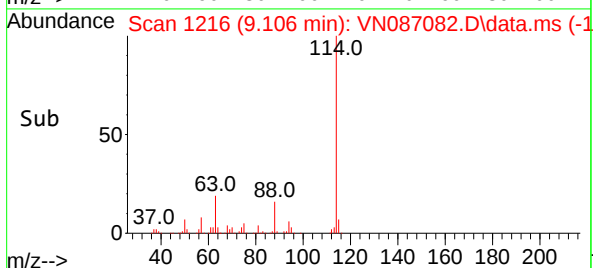
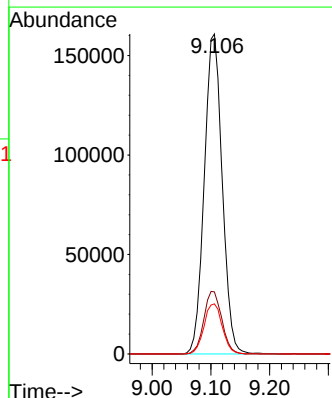
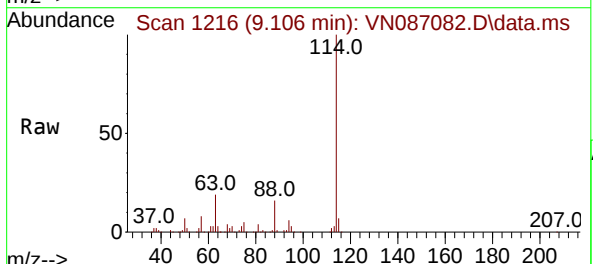
Tgt Ion: 114 Resp: 340635

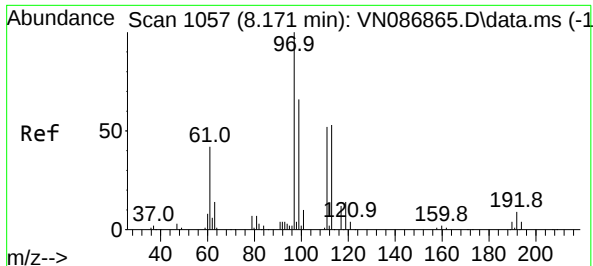
Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

88 15.7 0.0 30.2

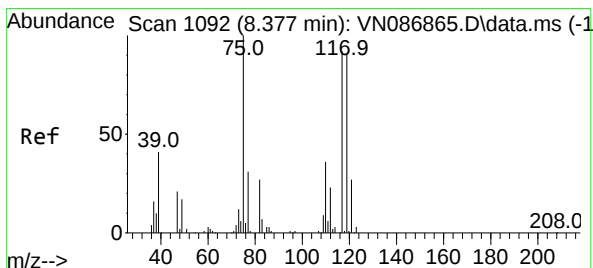
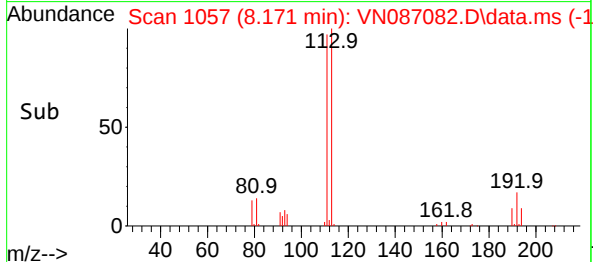
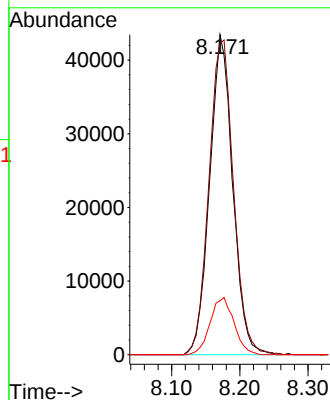
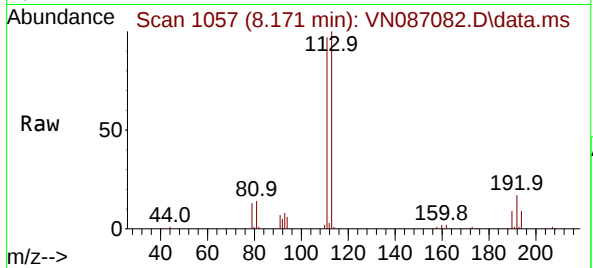




#35
Dibromofluoromethane
Concen: 50.630 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN087082.D
Acq: 18 Jun 2025 13:56

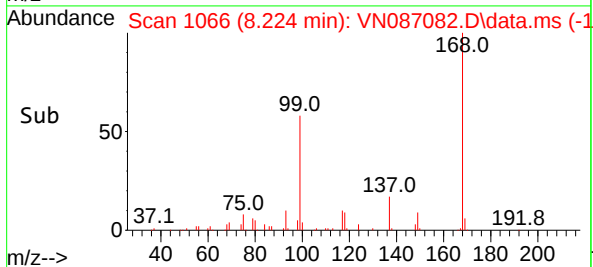
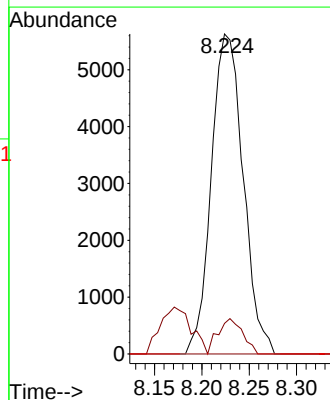
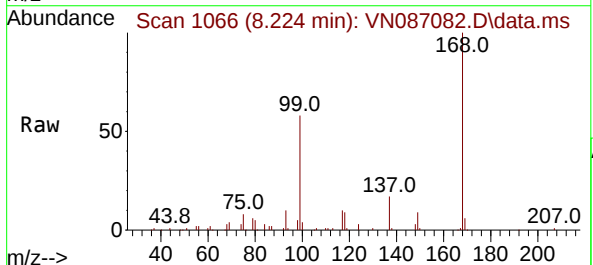
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MSVOA_N
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TP05-MH17A-WC

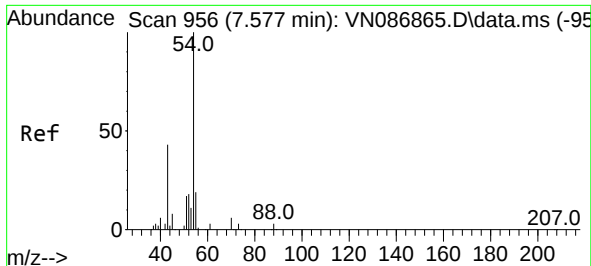
Tgt Ion:113 Resp: 102206
Ion Ratio Lower Upper
113 100
111 104.7 84.2 126.2
192 18.5 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.379 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN087082.D
Acq: 18 Jun 2025 13:56

Tgt Ion: 75 Resp: 13172
Ion Ratio Lower Upper
75 100
110 8.6 17.6 52.9#
77 0.0 25.3 37.9#

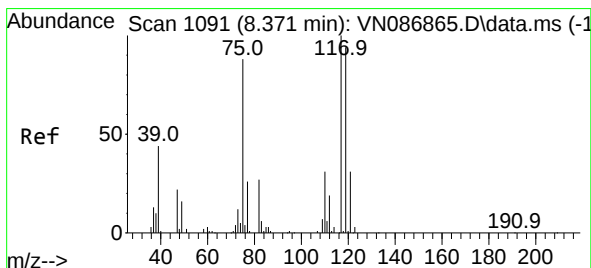
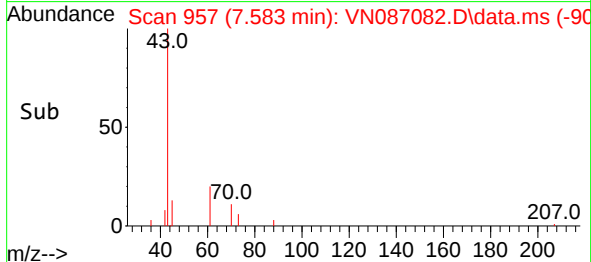
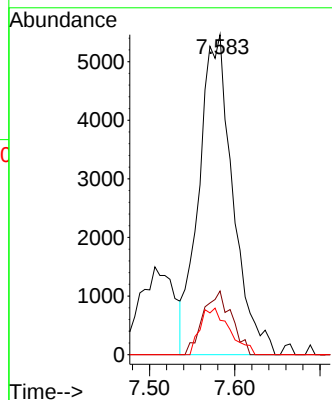
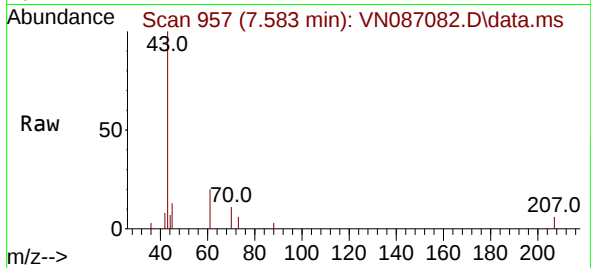




#37
Ethyl Acetate
Concen: 3.921 ug/l
RT: 7.583 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087082.D
Acq: 18 Jun 2025 13:56

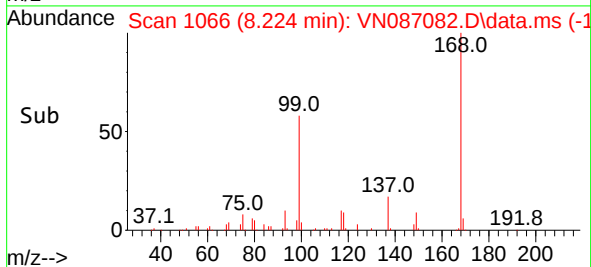
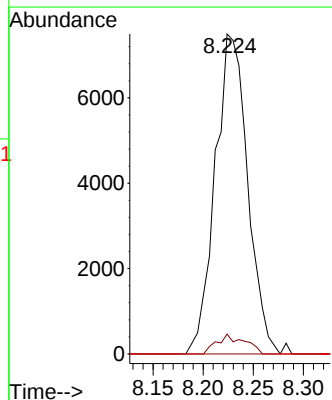
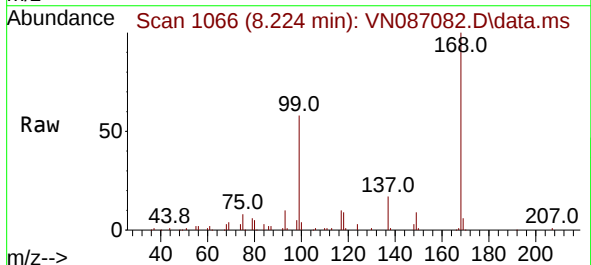
Instrument :
MSVOA_N
ClientSampleId :
TP05-MH17A-WC

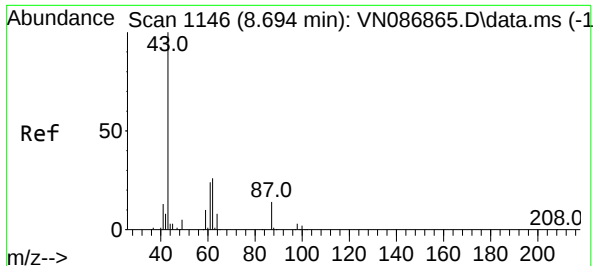
Tgt Ion: 43 Resp: 15016
Ion Ratio Lower Upper
43 100
61 16.8 12.1 18.1
70 12.6 9.8 14.6



#38
Carbon Tetrachloride
Concen: 5.718 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN087082.D
Acq: 18 Jun 2025 13:56

Tgt Ion: 117 Resp: 16886
Ion Ratio Lower Upper
117 100
119 6.2 75.0 112.6#
121 0.0 24.9 37.3#

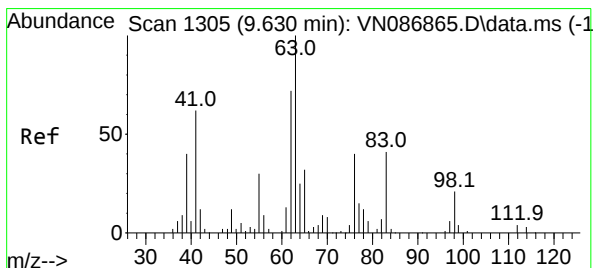
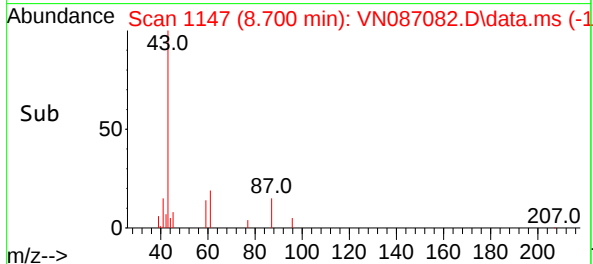
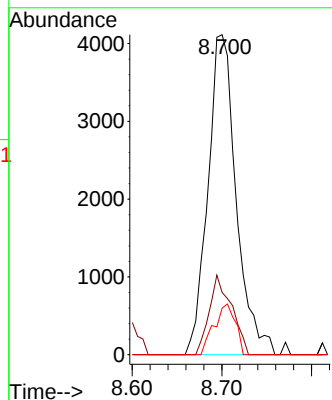
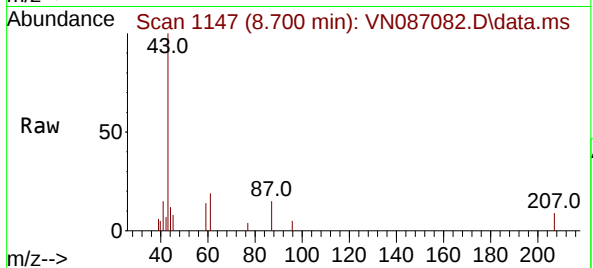




#43
Isopropyl Acetate
Concen: 1.468 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN087082.D
Acq: 18 Jun 2025 13:56

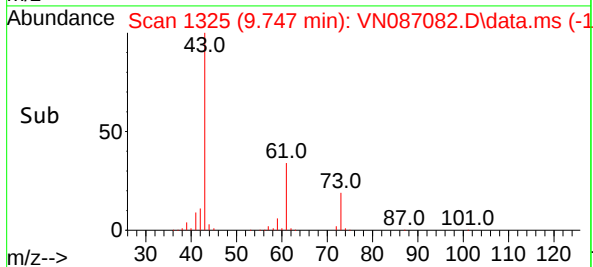
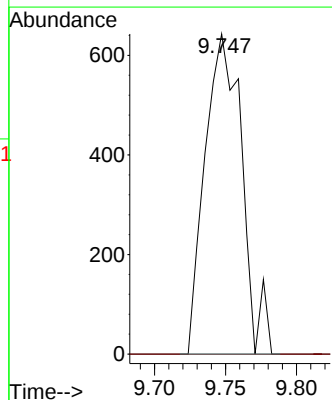
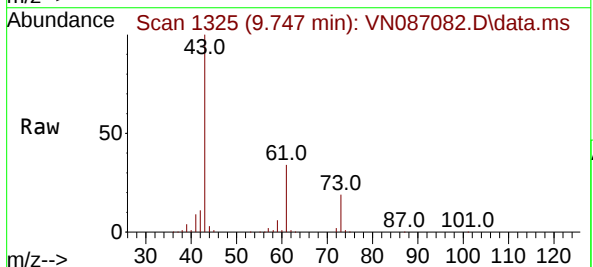
Instrument :
MSVOA_N
ClientSampleId :
TP05-MH17A-WC

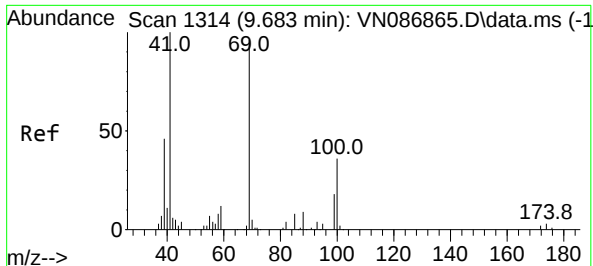
Tgt Ion: 43 Resp: 9023
Ion Ratio Lower Upper
43 100
61 19.7 22.1 33.1#
87 11.9 11.8 17.6



#45
1,2-Dichloropropane
Concen: 0.484 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.118 min
Lab File: VN087082.D
Acq: 18 Jun 2025 13:56

Tgt Ion: 63 Resp: 1158
Ion Ratio Lower Upper
63 100
65 0.0 25.5 38.3#





#48

Methyl methacrylate

Concen: 24.184 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.065 min

Lab File: VN087082.D

Acq: 18 Jun 2025 13:56

Instrument :

MSVOA_N

ClientSampleId :

TP05-MH17A-WC

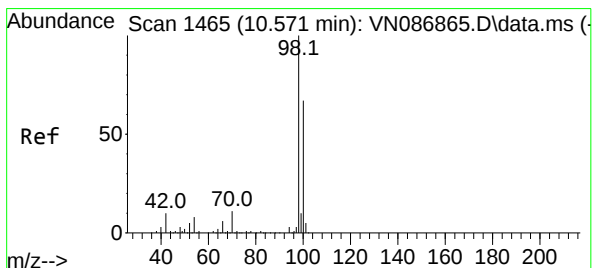
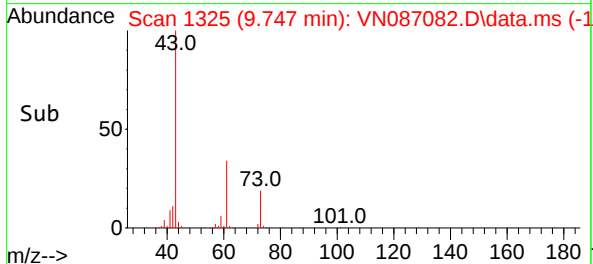
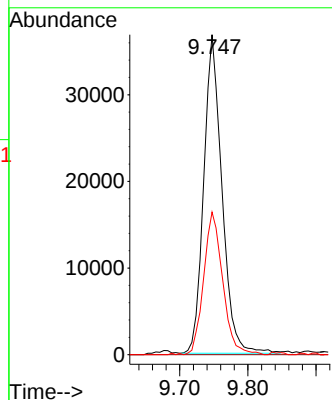
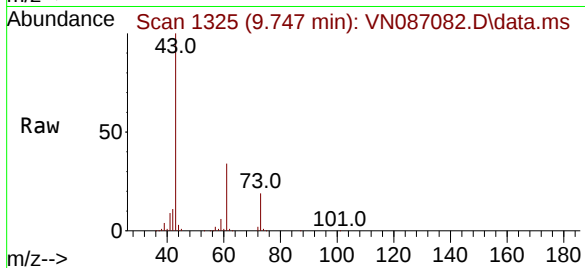
Tgt Ion: 41 Resp: 68411

Ion Ratio Lower Upper

41 100

69 0.0 74.6 112.0#

39 46.9 40.2 60.4



#50

Toluene-d8

Concen: 52.637 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN087082.D

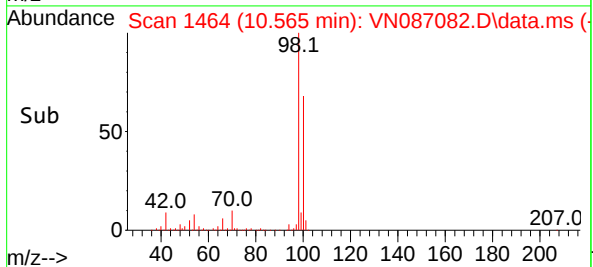
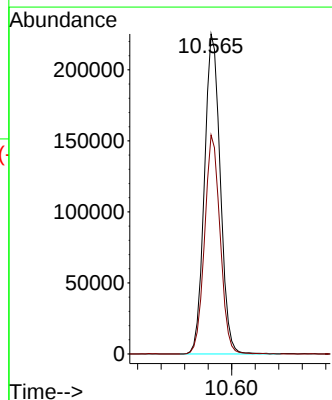
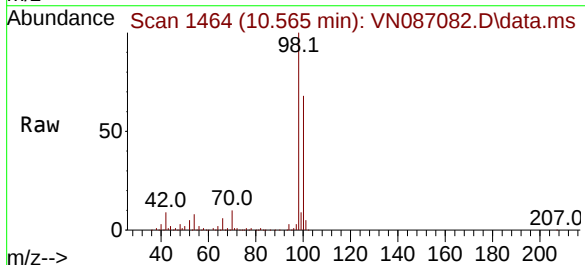
Acq: 18 Jun 2025 13:56

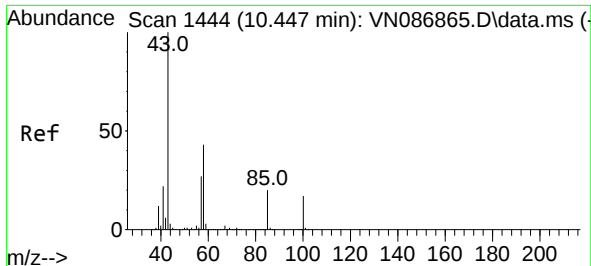
Tgt Ion: 98 Resp: 420645

Ion Ratio Lower Upper

98 100

100 67.0 53.4 80.0

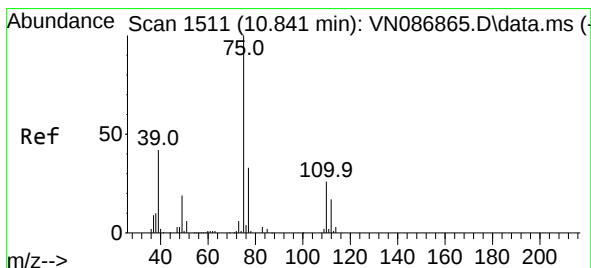
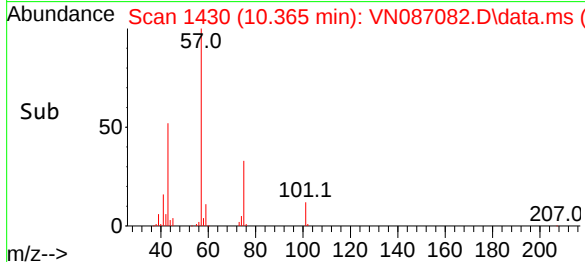
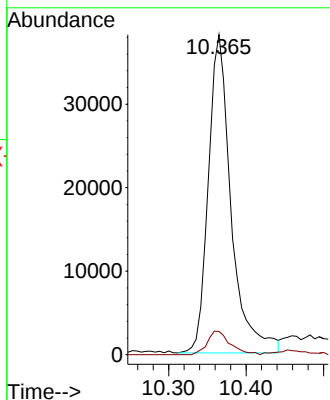
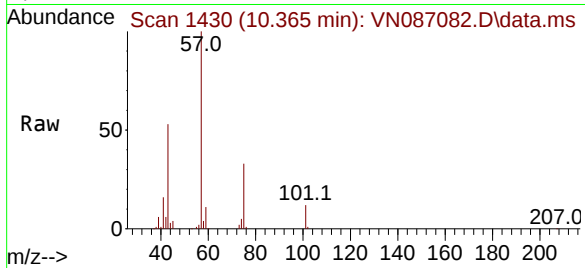




#51
4-Methyl-2-Pentanone
Concen: 21.087 ug/l
RT: 10.365 min Scan# 1444
Delta R.T. -0.082 min
Lab File: VN087082.D
Acq: 18 Jun 2025 13:56

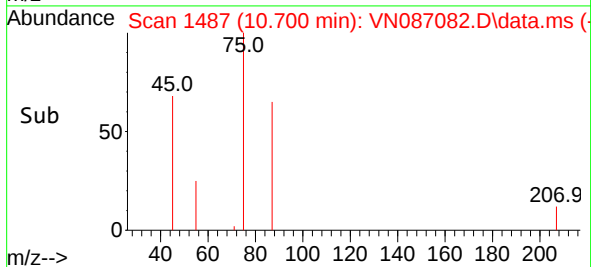
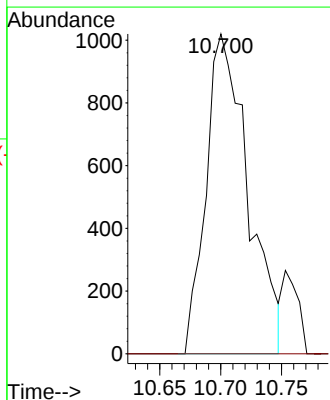
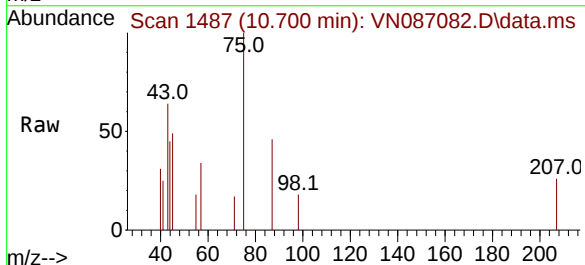
Instrument :
MSVOA_N
ClientSampleId :
TP05-MH17A-WC

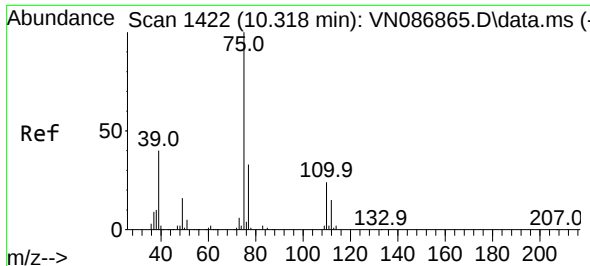
Tgt Ion: 43 Resp: 78021
Ion Ratio Lower Upper
43 100
58 7.4 34.2 51.4#



#53
t-1,3-Dichloropropene
Concen: 0.669 ug/l
RT: 10.700 min Scan# 1487
Delta R.T. -0.141 min
Lab File: VN087082.D
Acq: 18 Jun 2025 13:56

Tgt Ion: 75 Resp: 2448
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#

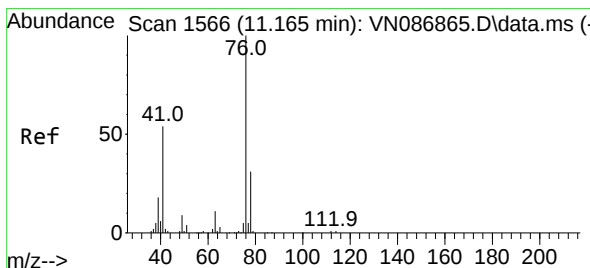
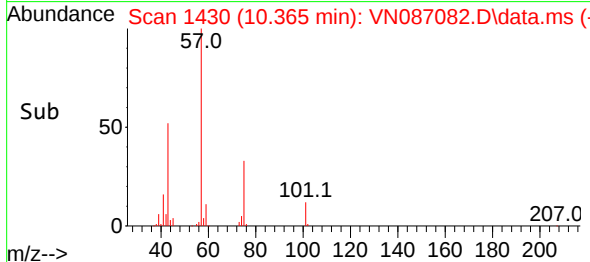
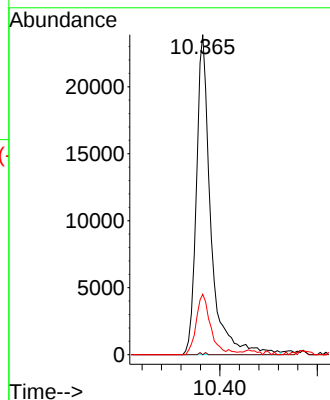
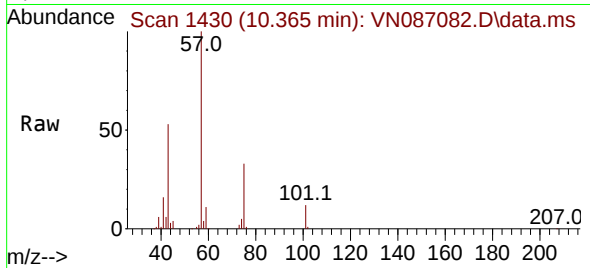




#54
 cis-1,3-Dichloropropene
 Concen: 12.572 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN087082.D
 Acq: 18 Jun 2025 13:56

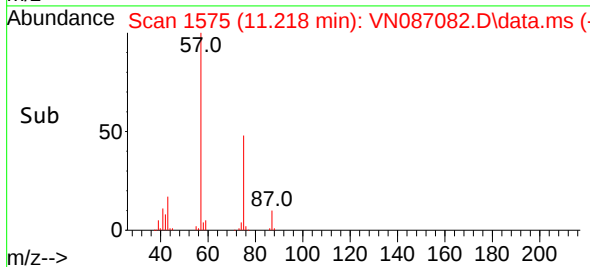
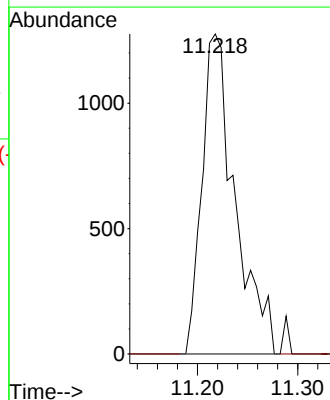
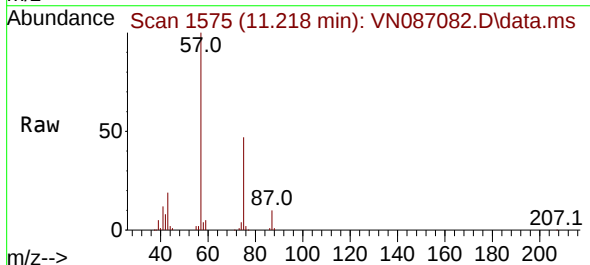
Instrument :
 MSVOA_N
 ClientSampleId :
 TP05-MH17A-WC

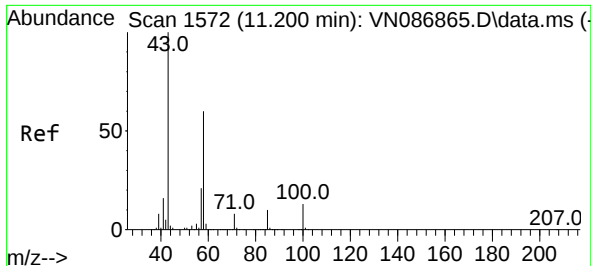
Tgt Ion: 75 Resp: 49190
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.2 39.4#
 39 18.9 32.3 48.5#



#57
 1,3-Dichloropropane
 Concen: 0.728 ug/l
 RT: 11.218 min Scan# 1575
 Delta R.T. 0.053 min
 Lab File: VN087082.D
 Acq: 18 Jun 2025 13:56

Tgt Ion: 76 Resp: 2922
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.3 37.9#

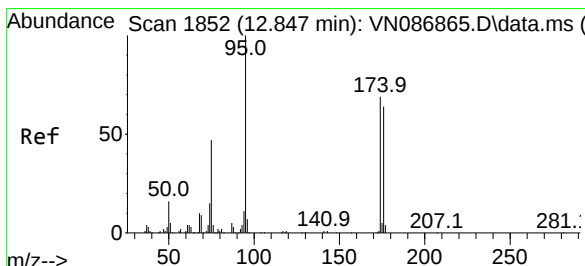
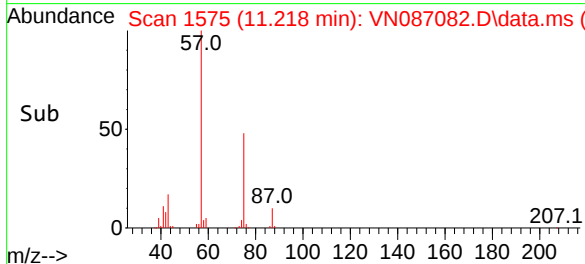
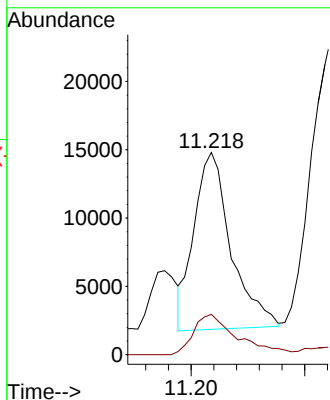
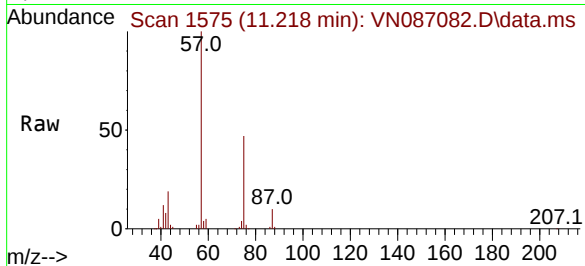




#59
2-Hexanone
Concen: 12.287 ug/l
RT: 11.218 min Scan# 1575
Delta R.T. 0.018 min
Lab File: VN087082.D
Acq: 18 Jun 2025 13:56

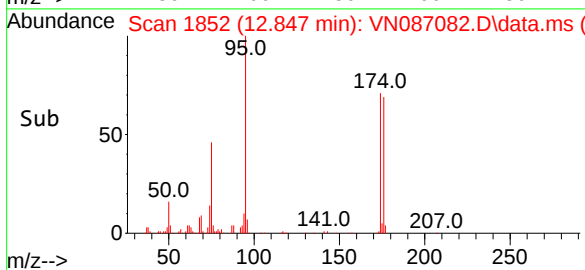
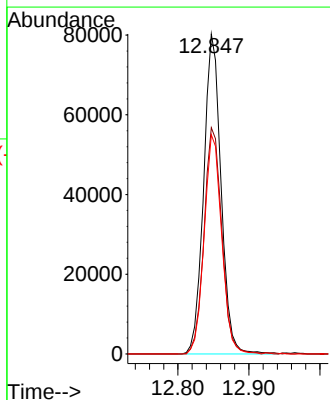
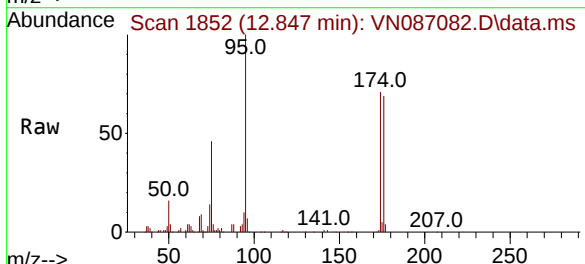
Instrument :
MSVOA_N
ClientSampleId :
TP05-MH17A-WC

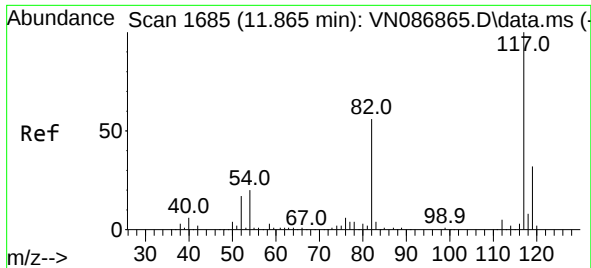
Tgt Ion: 43 Resp: 29284
Ion Ratio Lower Upper
43 100
58 26.8 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 45.996 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087082.D
Acq: 18 Jun 2025 13:56

Tgt Ion: 95 Resp: 136566
Ion Ratio Lower Upper
95 100
174 72.5 0.0 141.8
176 69.1 0.0 132.6

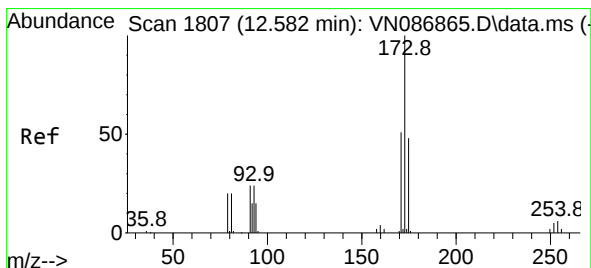
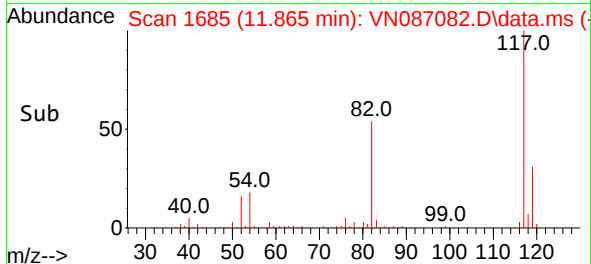
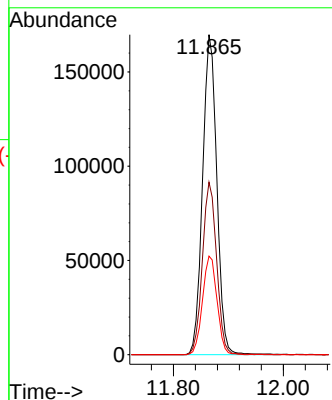
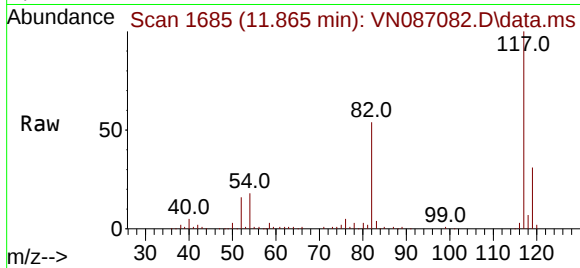




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087082.D
Acq: 18 Jun 2025 13:56

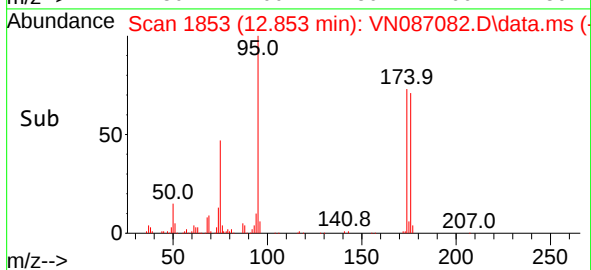
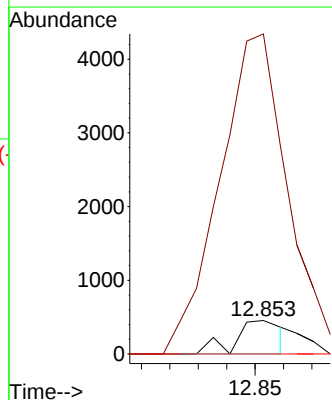
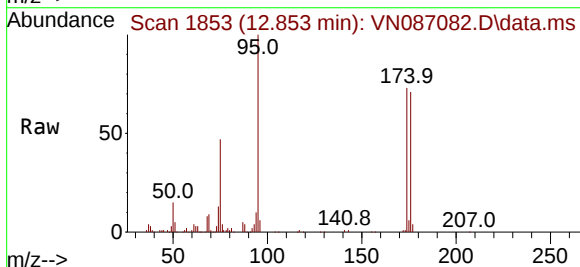
Instrument :
MSVOA_N
ClientSampleId :
TP05-MH17A-WC

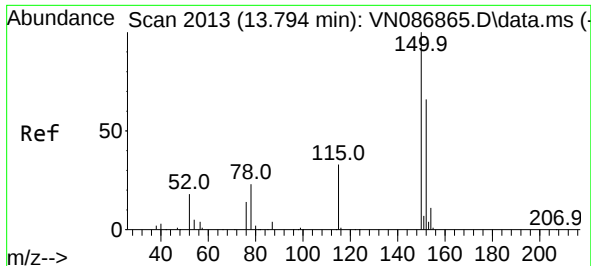
Tgt Ion:117 Resp: 304906
Ion Ratio Lower Upper
117 100
82 53.9 44.6 67.0
119 30.8 25.5 38.3



#71
Bromoform
Concen: 0.325 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN087082.D
Acq: 18 Jun 2025 13:56

Tgt Ion:173 Resp: 521
Ion Ratio Lower Upper
173 100
175 1200.8 24.1 72.4#
254 0.0 0.0 0.0

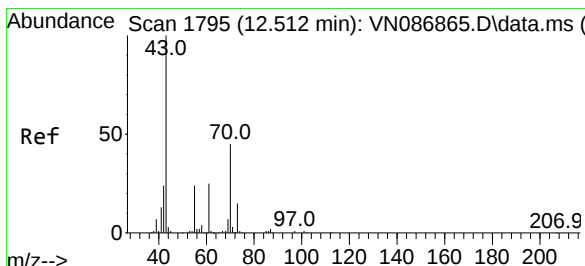
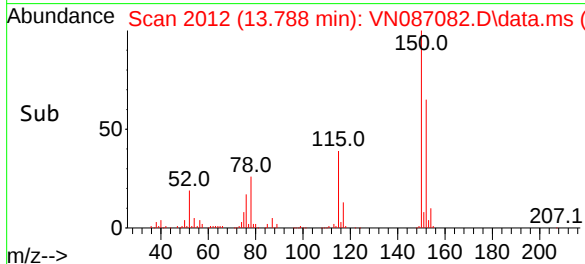
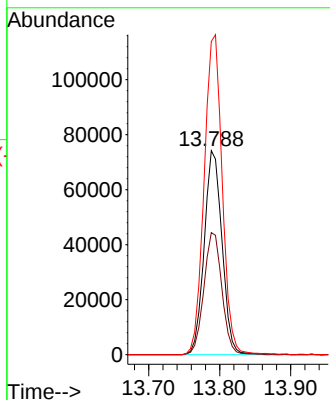
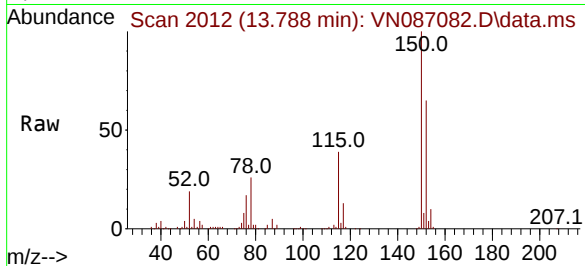




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN087082.D
Acq: 18 Jun 2025 13:56

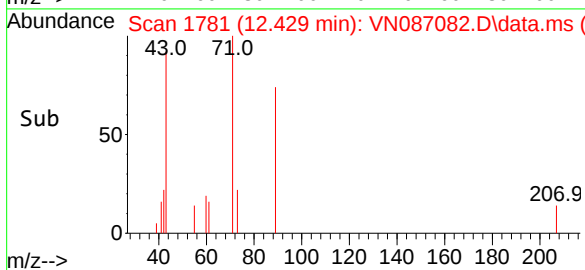
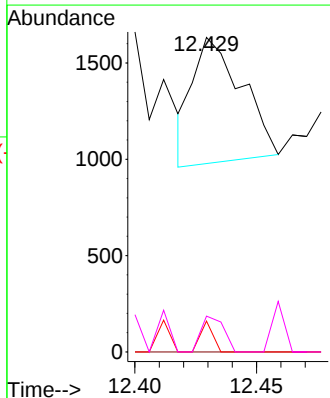
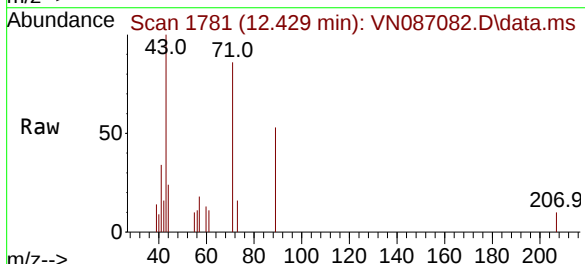
Instrument :
MSVOA_N
ClientSampleId :
TP05-MH17A-WC

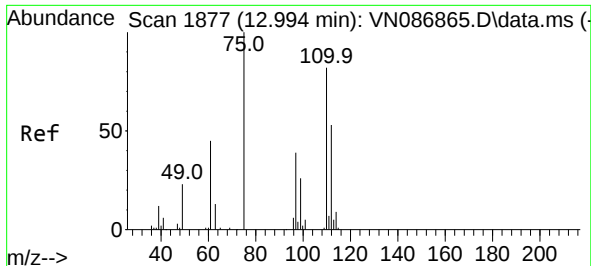
Tgt Ion:152 Resp: 129697
Ion Ratio Lower Upper
152 100
115 60.5 30.1 90.5
150 159.2 0.0 345.0



#74
N-ethyl acetate
Concen: 0.277 ug/l
RT: 12.429 min Scan# 1781
Delta R.T. -0.082 min
Lab File: VN087082.D
Acq: 18 Jun 2025 13:56

Tgt Ion: 43 Resp: 916
Ion Ratio Lower Upper
43 100
70 0.0 37.6 56.4#
55 6.1 19.0 28.6#
61 13.1 20.8 31.2#

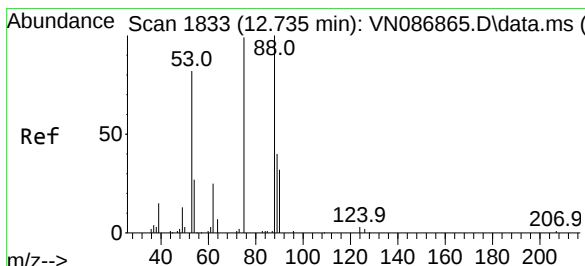
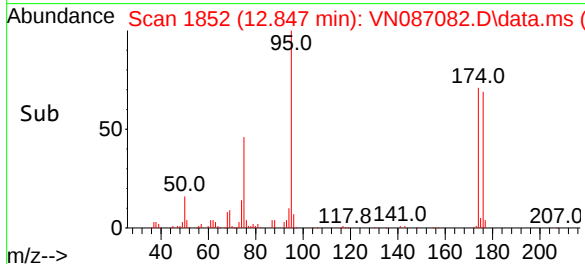
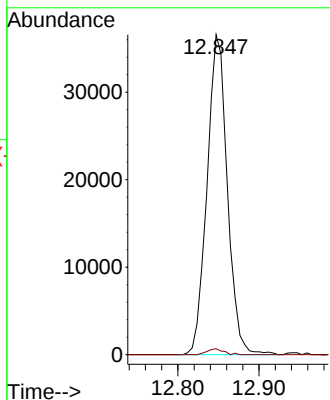
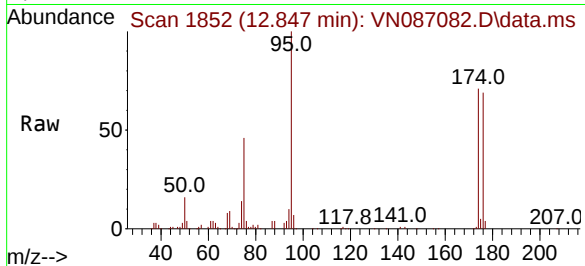




#76
1,2,3-Trichloropropane
Concen: 20.590 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087082.D
Acq: 18 Jun 2025 13:56

Instrument :
MSVOA_N
ClientSampleId :
TP05-MH17A-WC

Tgt Ion: 75 Resp: 63479
Ion Ratio Lower Upper
75 100
77 1.5 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 47.398 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087082.D
Acq: 18 Jun 2025 13:56

Tgt Ion: 75 Resp: 63479
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.2 36.7 55.1#

