

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
 Data File : VN087189.D
 Acq On : 26 Jun 2025 13:05
 Operator : JC\MD
 Sample : Q2389-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-J-I

Quant Time: Jun 27 01:24:40 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

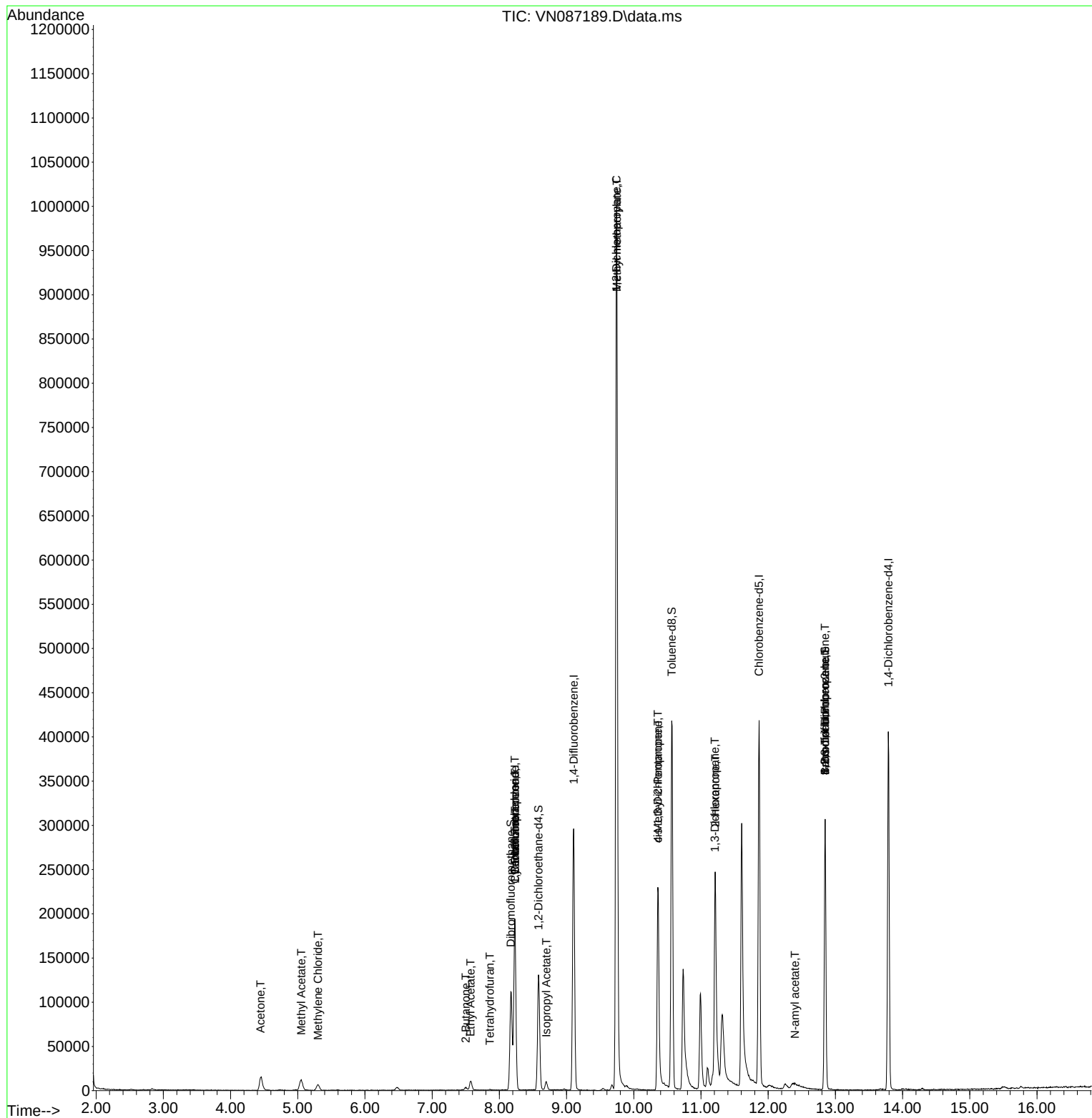
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	147451	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	264397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	246322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	106912	54.154	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.300%	
35) Dibromofluoromethane	8.171	113	86053	54.920	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.840%	
50) Toluene-d8	10.565	98	298690	48.154	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.300%	
62) 4-Bromofluorobenzene	12.847	95	114464	49.669	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 99.340%	
Target Compounds						Qvalue
16) Acetone	4.447	43	31694	30.273	ug/l	89
18) Methyl Acetate	5.053	43	26427	8.662	ug/l	95
20) Methylene Chloride	5.300	84	5550	2.832	ug/l	89
25) 2-Butanone	7.500	43	5474	3.217	ug/l	96
29) Tetrahydrofuran	7.859	42	737	0.665	ug/l #	49
31) Cyclohexane	8.235	56	2941	0.918	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	12066	5.168	ug/l #	48
37) Ethyl Acetate	7.571	43	17046	5.735	ug/l	96
38) Carbon Tetrachloride	8.229	117	14238	6.211	ug/l #	17
43) Isopropyl Acetate	8.700	43	11293	2.367	ug/l #	88
45) 1,2-Dichloropropane	9.741	63	1333	0.718	ug/l #	43
48) Methyl methacrylate	9.747	41	94432	43.009	ug/l #	36
51) 4-Methyl-2-Pentanone	10.359	43	101348	35.290	ug/l #	44
54) cis-1,3-Dichloropropene	10.359	75	51152	16.843	ug/l #	62
57) 1,3-Dichloropropane	11.206	76	3446	1.106	ug/l #	43
59) 2-Hexanone	11.212	43	52815	28.551	ug/l #	46
71) Bromoform	12.847	173	688	0.532	ug/l #	1
74) N-amyl acetate	12.400	43	1035	0.354	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	56014	20.504	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	56014	47.200	ug/l #	16

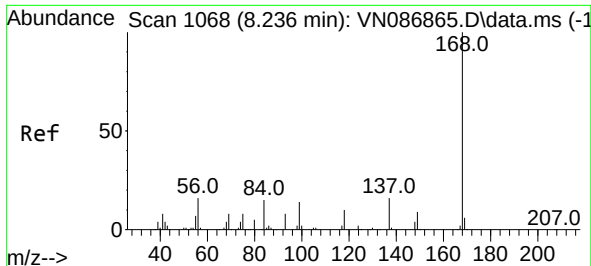
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
Data File : VN087189.D
Acq On : 26 Jun 2025 13:05
Operator : JC\MD
Sample : Q2389-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MH-J-I

Quant Time: Jun 27 01:24:40 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

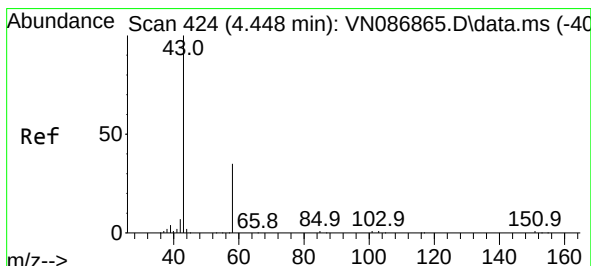
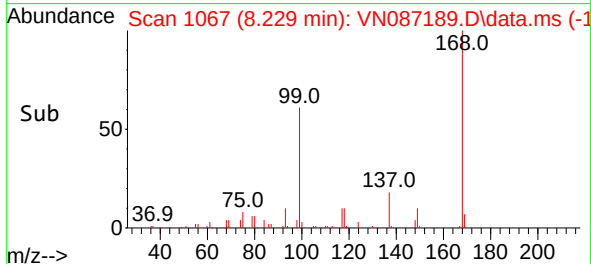
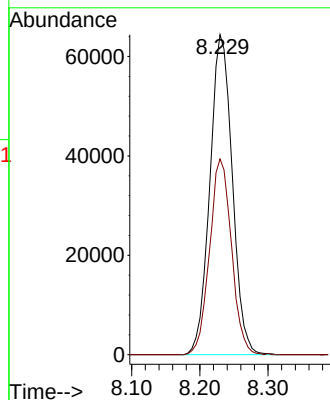
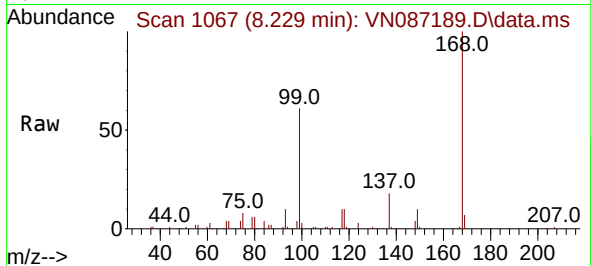




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.007 min
Lab File: VN087189.D
Acq: 26 Jun 2025 13:05

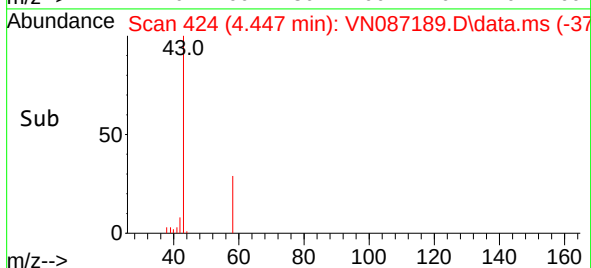
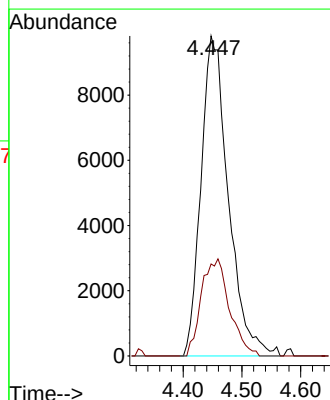
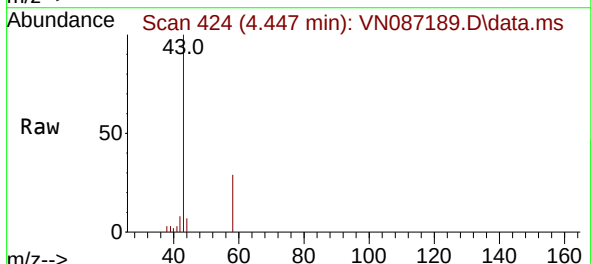
Instrument :
MSVOA_N
ClientSampleId :
MH-J-I

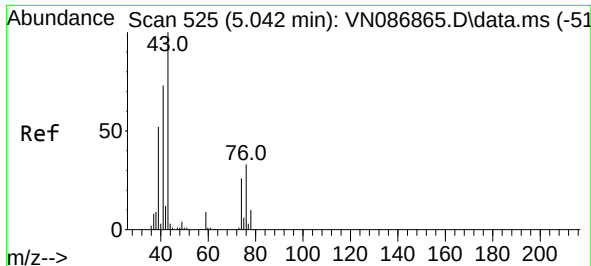
Tgt Ion:168 Resp: 147451
Ion Ratio Lower Upper
168 100
99 61.2 49.1 73.7



#16
Acetone
Concen: 30.273 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN087189.D
Acq: 26 Jun 2025 13:05

Tgt Ion: 43 Resp: 31694
Ion Ratio Lower Upper
43 100
58 28.7 28.0 42.0

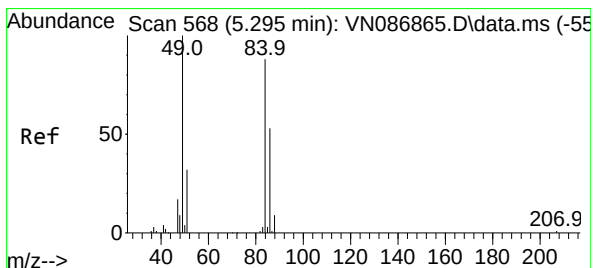
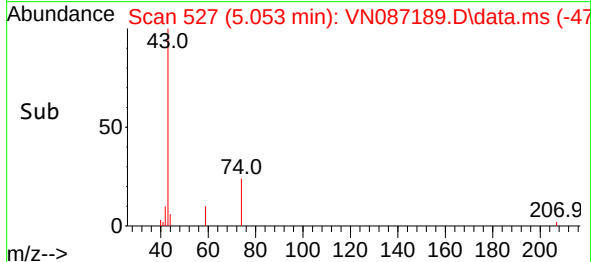
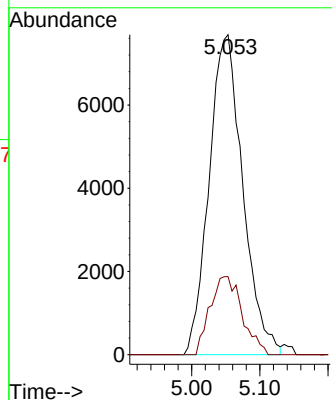
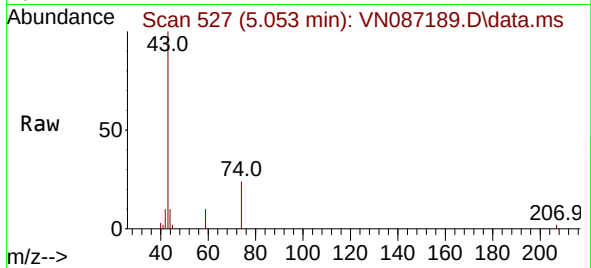




#18
Methyl Acetate
Concen: 8.662 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN087189.D
Acq: 26 Jun 2025 13:05

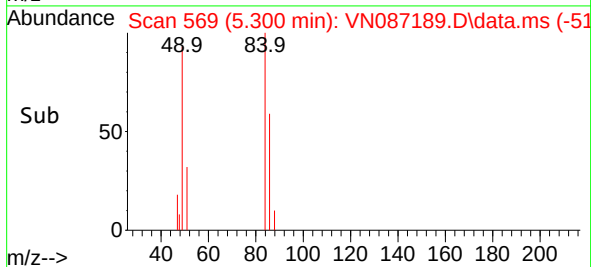
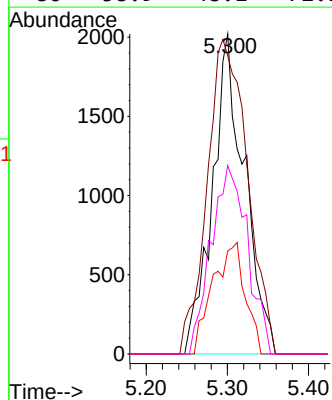
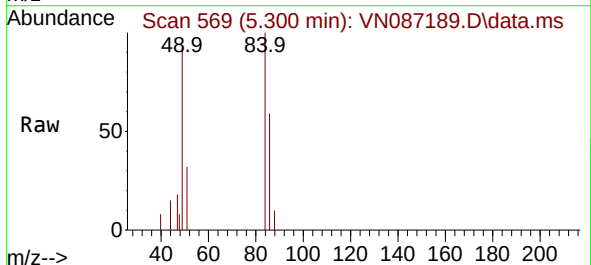
Instrument :
MSVOA_N
ClientSampleId :
MH-J-I

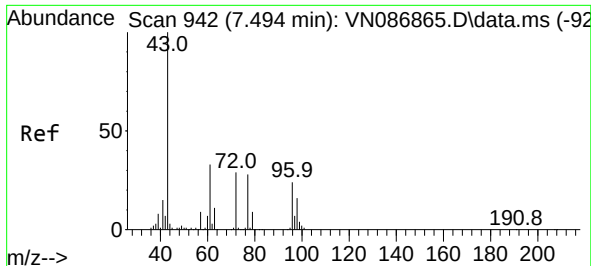
Tgt Ion: 43 Resp: 26427
Ion Ratio Lower Upper
43 100
74 23.3 20.7 31.1



#20
Methylene Chloride
Concen: 2.832 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN087189.D
Acq: 26 Jun 2025 13:05

Tgt Ion: 84 Resp: 5550
Ion Ratio Lower Upper
84 100
49 93.3 90.5 135.7
51 32.2 28.5 42.7
86 58.9 48.1 72.1

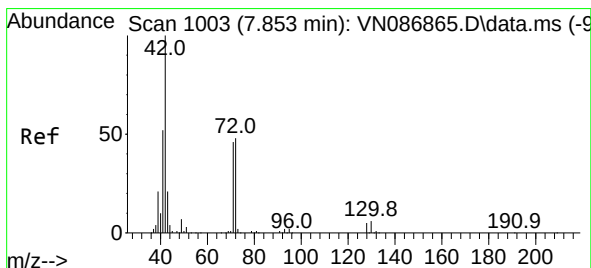
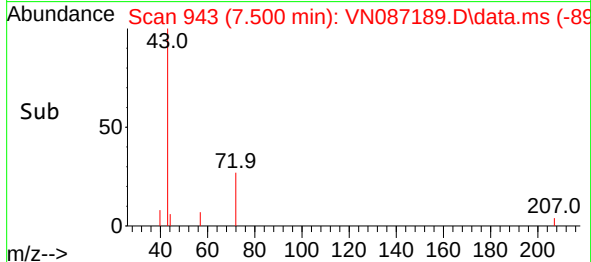
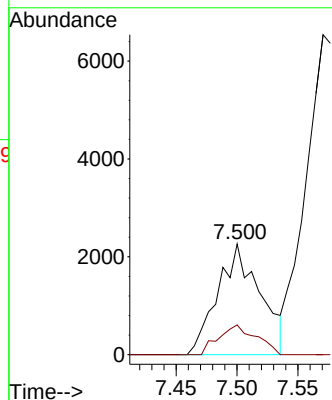
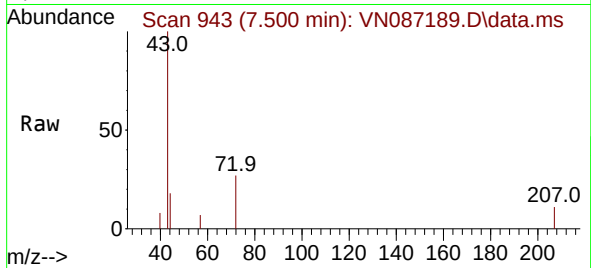




#25
2-Butanone
Concen: 3.217 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN087189.D
Acq: 26 Jun 2025 13:05

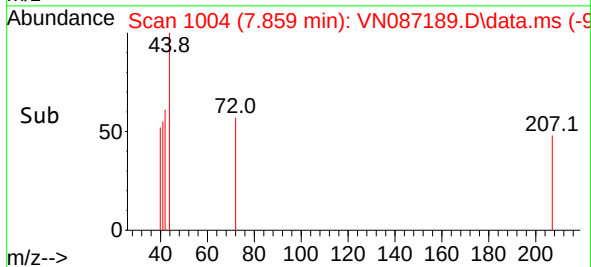
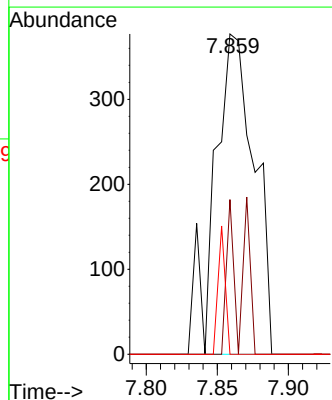
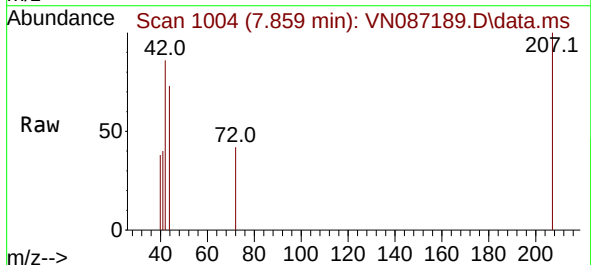
Instrument :
MSVOA_N
ClientSampleId :
MH-J-I

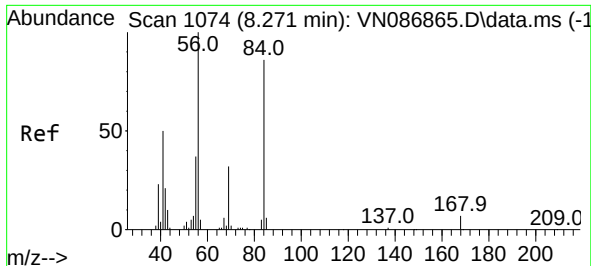
Tgt Ion: 43 Resp: 5474
Ion Ratio Lower Upper
43 100
72 26.9 23.0 34.6



#29
Tetrahydrofuran
Concen: 0.665 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.006 min
Lab File: VN087189.D
Acq: 26 Jun 2025 13:05

Tgt Ion: 42 Resp: 737
Ion Ratio Lower Upper
42 100
72 17.5 37.8 56.6#
71 7.2 35.6 53.4#

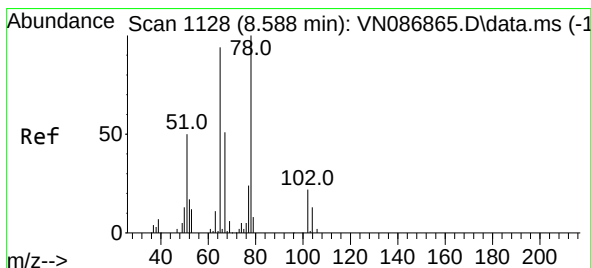
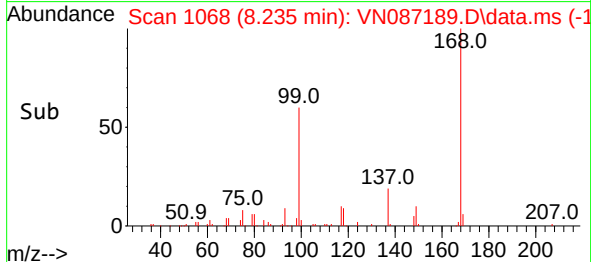
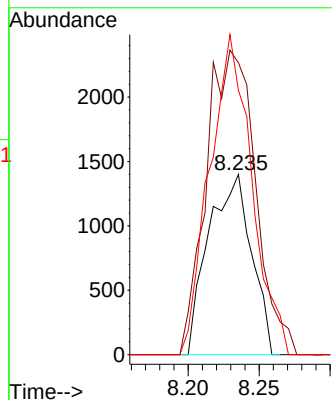
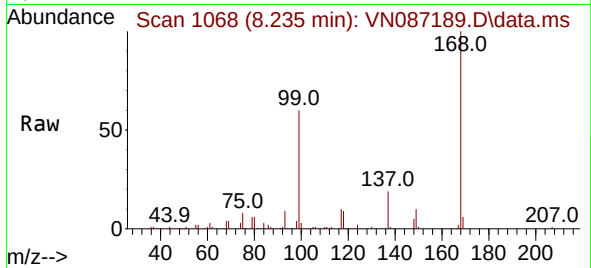




#31
Cyclohexane
Concen: 0.918 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.036 min
Lab File: VN087189.D
Acq: 26 Jun 2025 13:05

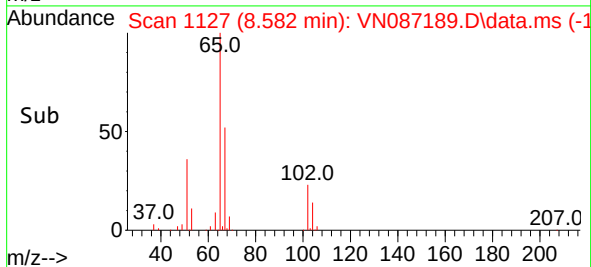
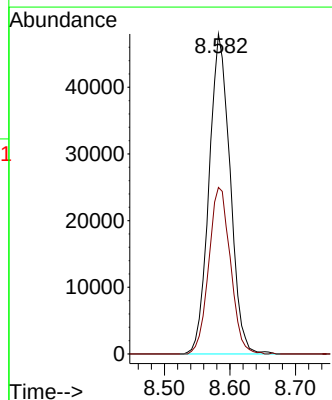
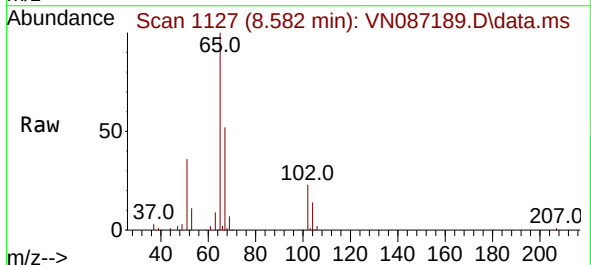
Instrument :
MSVOA_N
ClientSampleId :
MH-J-I

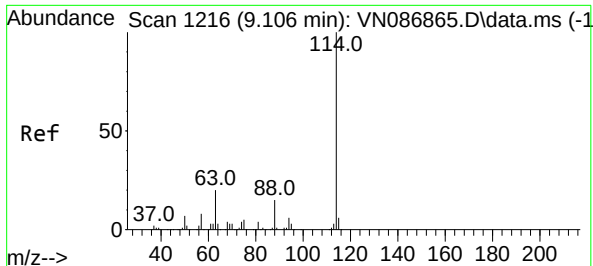
Tgt Ion: 56 Resp: 2941
Ion Ratio Lower Upper
56 100
69 162.0 25.4 38.0#
84 146.6 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 54.154 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087189.D
Acq: 26 Jun 2025 13:05

Tgt Ion: 65 Resp: 106912
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.6

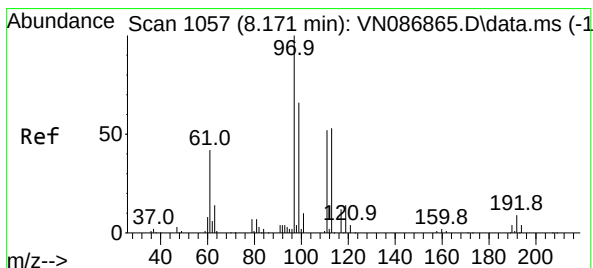
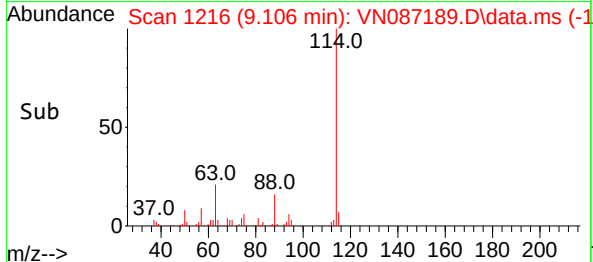
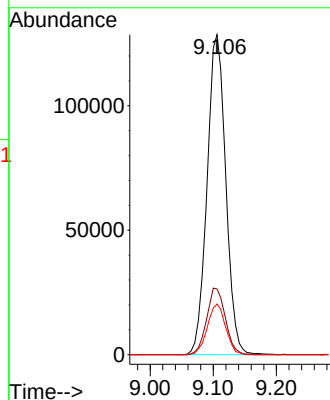
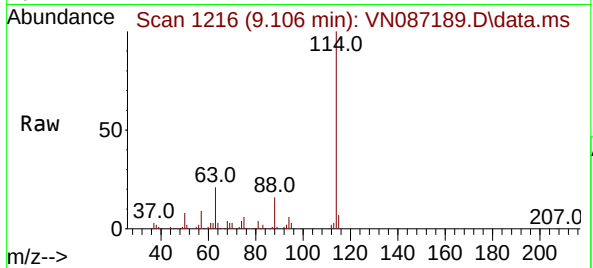




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087189.D
Acq: 26 Jun 2025 13:05

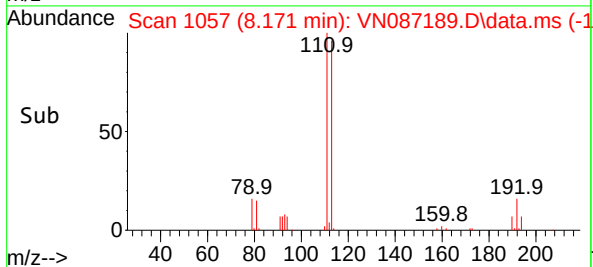
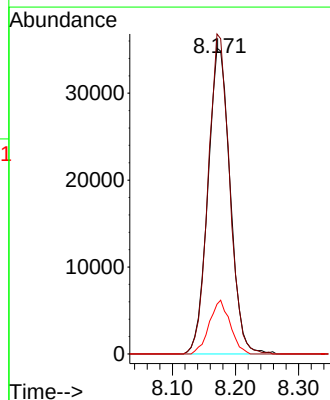
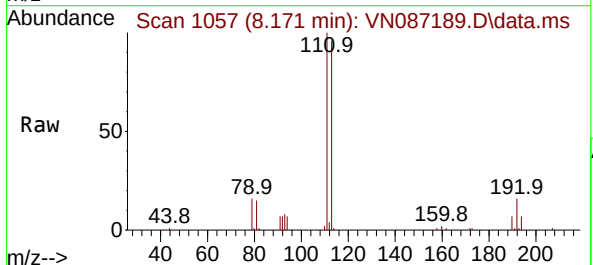
Instrument :
MSVOA_N
ClientSampleId :
MH-J-I

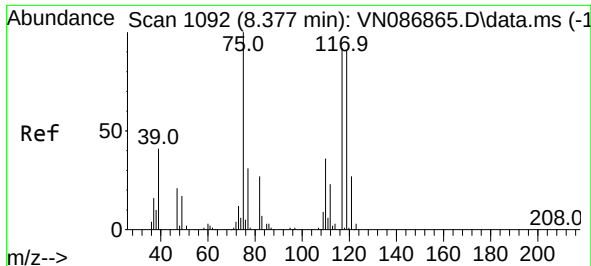
Tgt Ion:114 Resp: 264397
Ion Ratio Lower Upper
114 100
63 20.6 0.0 39.6
88 15.9 0.0 30.2



#35
Dibromofluoromethane
Concen: 54.920 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN087189.D
Acq: 26 Jun 2025 13:05

Tgt Ion:113 Resp: 86053
Ion Ratio Lower Upper
113 100
111 100.6 84.2 126.2
192 16.5 14.2 21.4

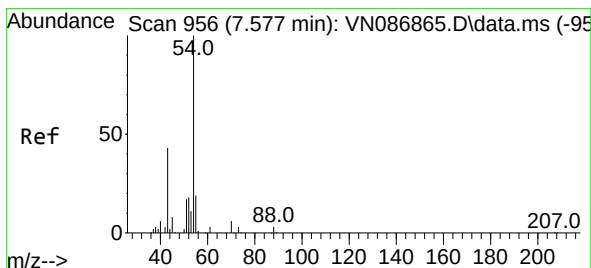
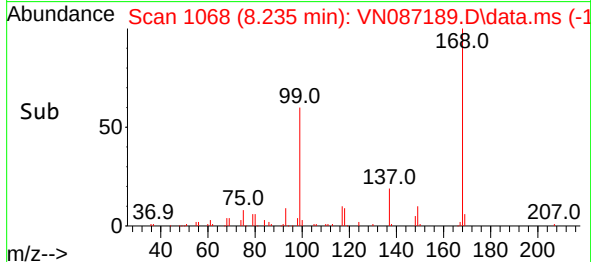
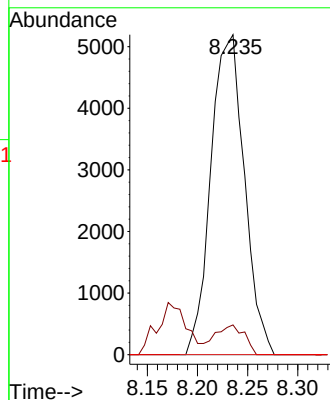
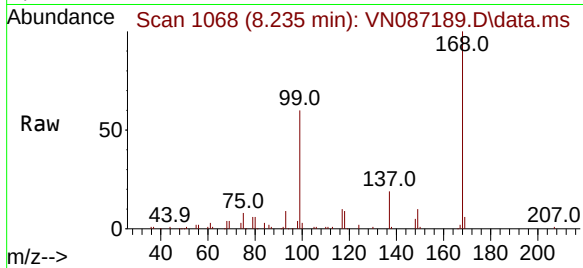




#36
1,1-Dichloropropene
Concen: 5.168 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN087189.D
Acq: 26 Jun 2025 13:05

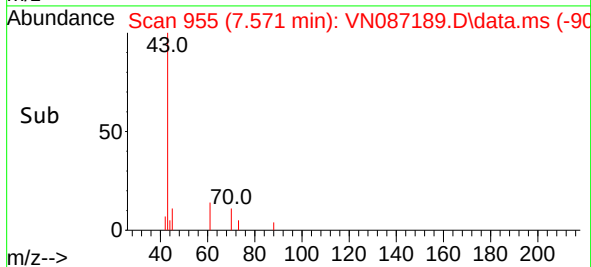
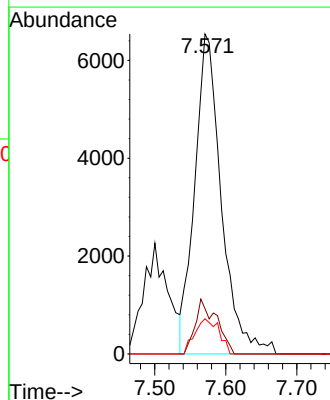
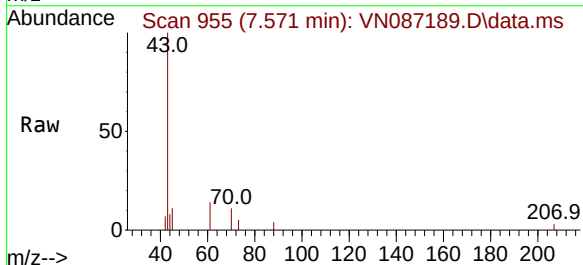
Instrument :
MSVOA_N
ClientSampleId :
MH-J-I

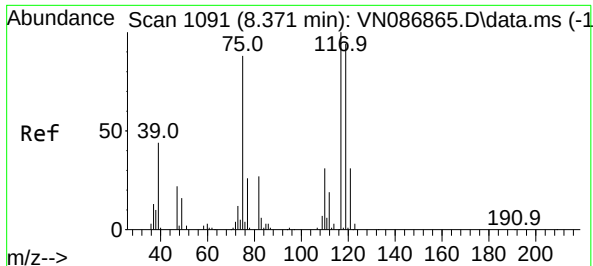
Tgt Ion: 75 Resp: 12066
Ion Ratio Lower Upper
75 100
110 8.1 17.6 52.9#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 5.735 ug/l
RT: 7.571 min Scan# 955
Delta R.T. -0.006 min
Lab File: VN087189.D
Acq: 26 Jun 2025 13:05

Tgt Ion: 43 Resp: 17046
Ion Ratio Lower Upper
43 100
61 13.8 12.1 18.1
70 10.0 9.8 14.6

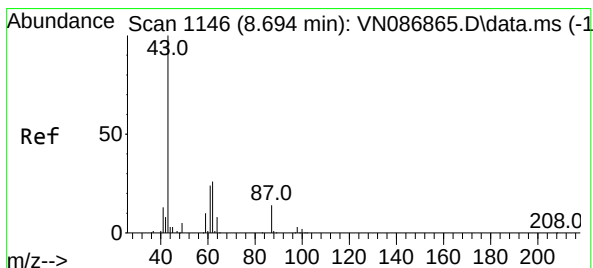
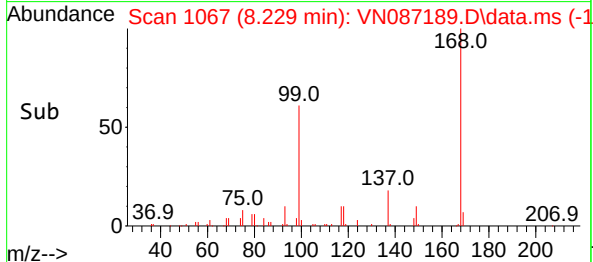
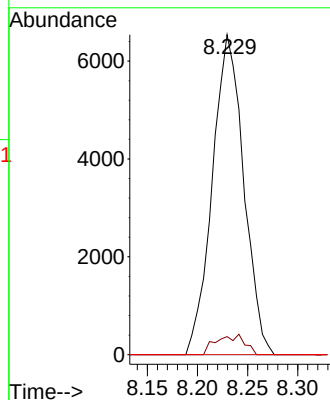
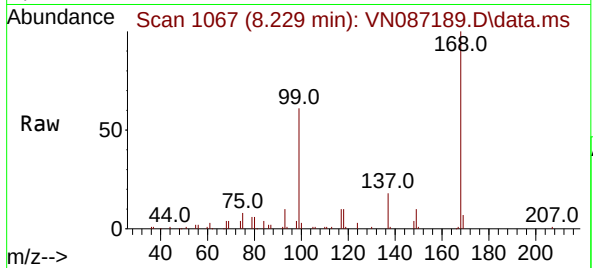




#38
Carbon Tetrachloride
Concen: 6.211 ug/l
RT: 8.229 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN087189.D
Acq: 26 Jun 2025 13:05

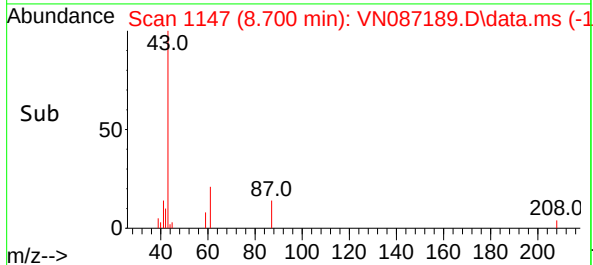
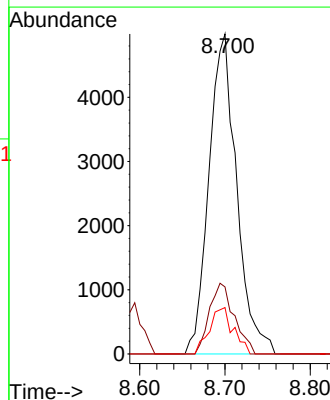
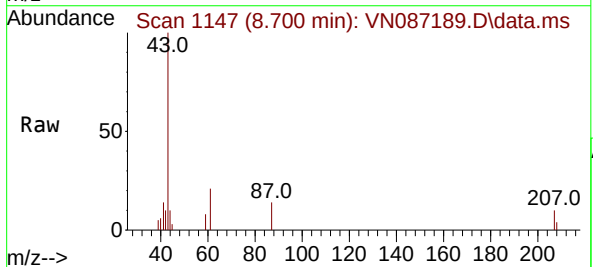
Instrument :
MSVOA_N
ClientSampleId :
MH-J-I

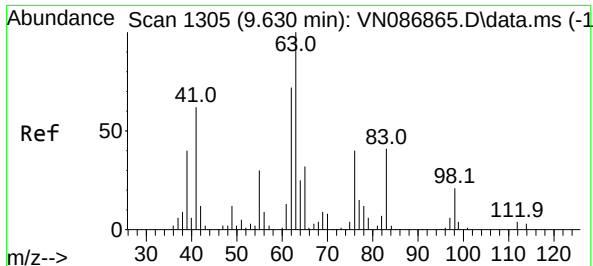
Tgt Ion:117 Resp: 14238
Ion Ratio Lower Upper
117 100
119 5.7 75.0 112.6#
121 0.0 24.9 37.3#



#43
Isopropyl Acetate
Concen: 2.367 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN087189.D
Acq: 26 Jun 2025 13:05

Tgt Ion: 43 Resp: 11293
Ion Ratio Lower Upper
43 100
61 19.8 22.1 33.1#
87 12.5 11.8 17.6





#45

1,2-Dichloropropane

Concen: 0.718 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.112 min

Lab File: VN087189.D

Acq: 26 Jun 2025 13:05

Instrument :

MSVOA_N

ClientSampleId :

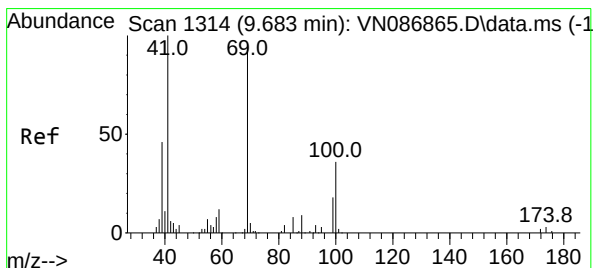
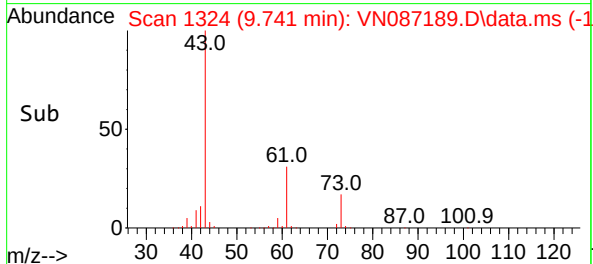
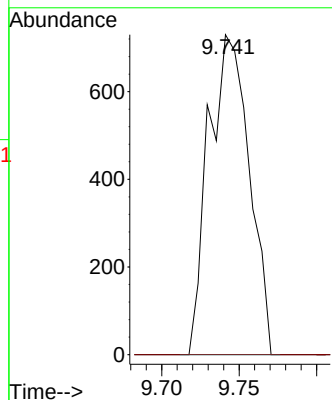
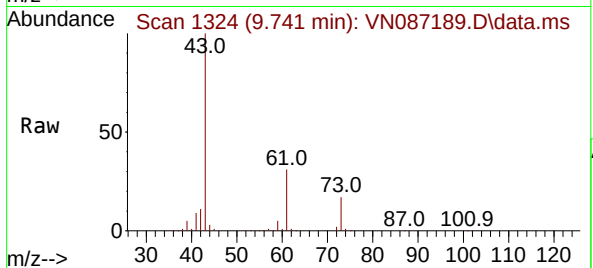
MH-J-I

Tgt Ion: 63 Resp: 1333

Ion Ratio Lower Upper

63 100

65 0.0 25.5 38.3#



#48

Methyl methacrylate

Concen: 43.009 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.064 min

Lab File: VN087189.D

Acq: 26 Jun 2025 13:05

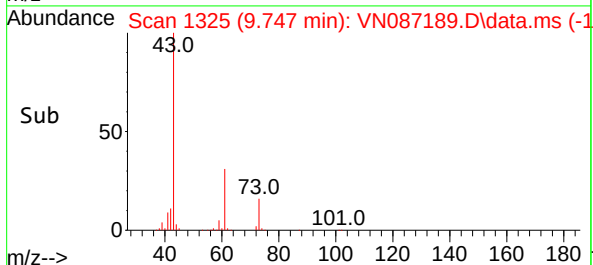
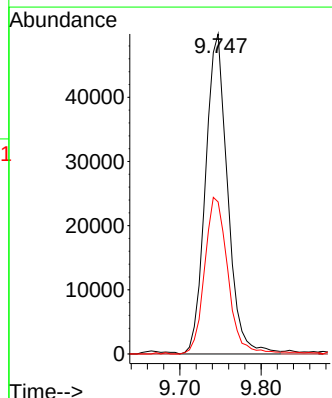
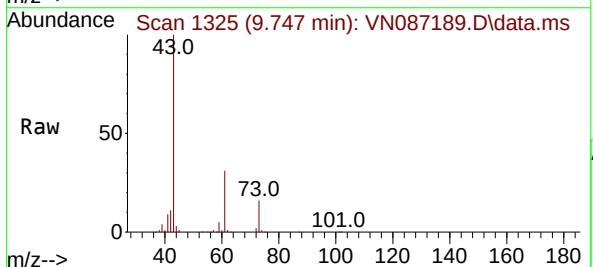
Tgt Ion: 41 Resp: 94432

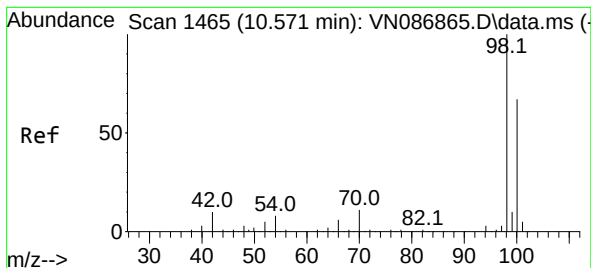
Ion Ratio Lower Upper

41 100

69 0.0 74.6 112.0#

39 52.0 40.2 60.4

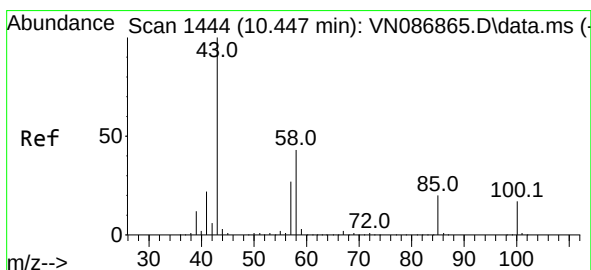
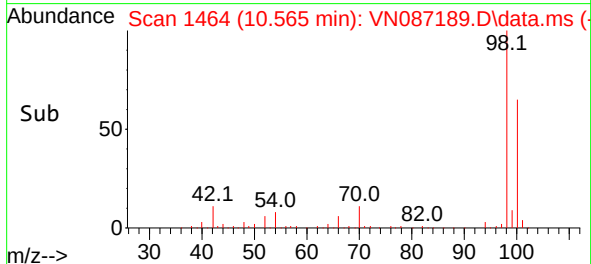
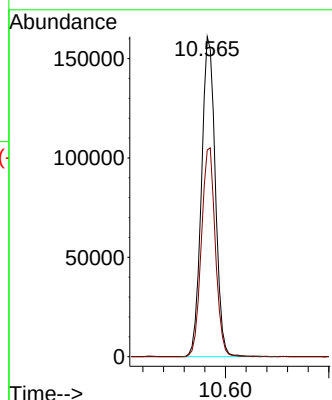
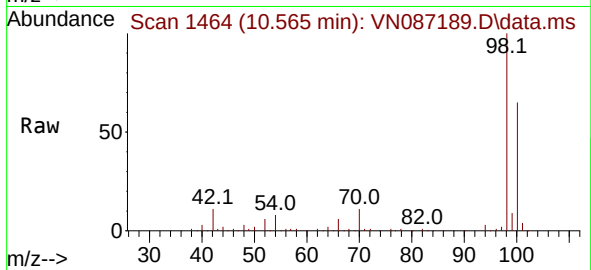




#50
Toluene-d8
Concen: 48.154 ug/l
RT: 10.565 min Scan# 1465
Delta R.T. -0.006 min
Lab File: VN087189.D
Acq: 26 Jun 2025 13:05

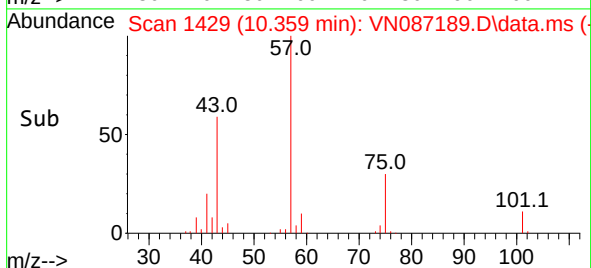
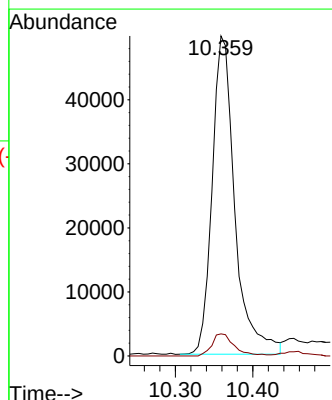
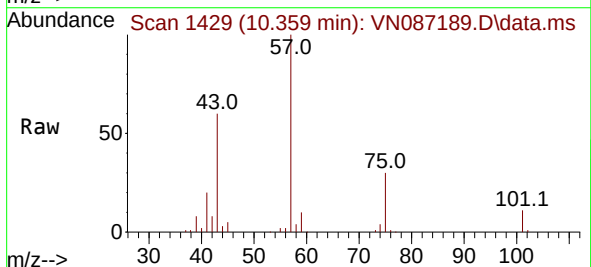
Instrument :
MSVOA_N
ClientSampleId :
MH-J-I

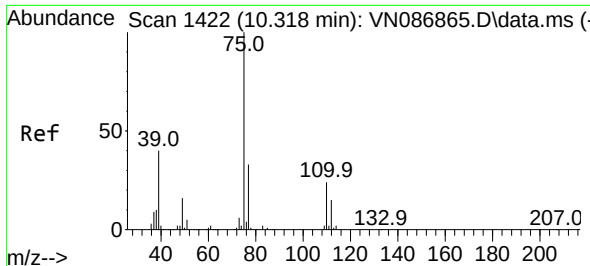
Tgt Ion: 98 Resp: 298690
Ion Ratio Lower Upper
98 100
100 65.9 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 35.290 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN087189.D
Acq: 26 Jun 2025 13:05

Tgt Ion: 43 Resp: 101348
Ion Ratio Lower Upper
43 100
58 6.8 34.2 51.4#

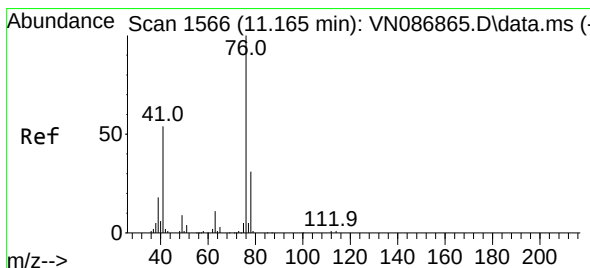
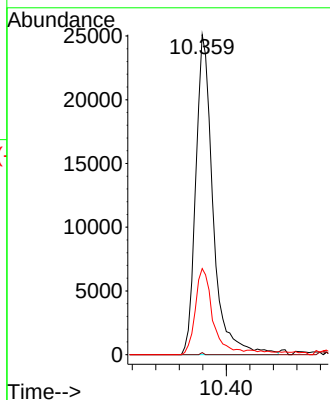
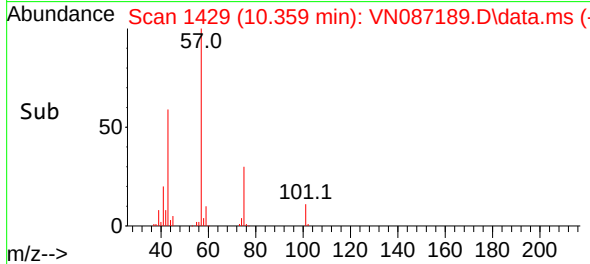
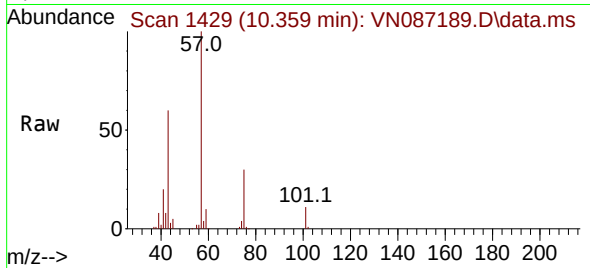




#54
 cis-1,3-Dichloropropene
 Concen: 16.843 ug/l
 RT: 10.359 min Scan# 1422
 Delta R.T. 0.041 min
 Lab File: VN087189.D
 Acq: 26 Jun 2025 13:05

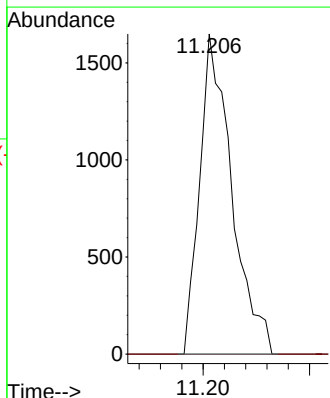
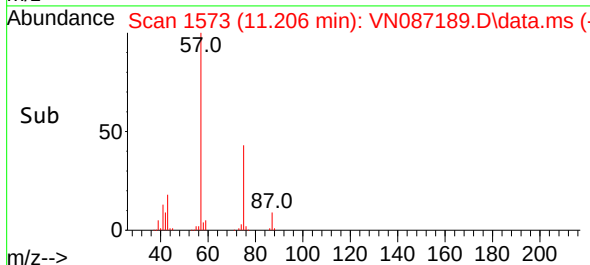
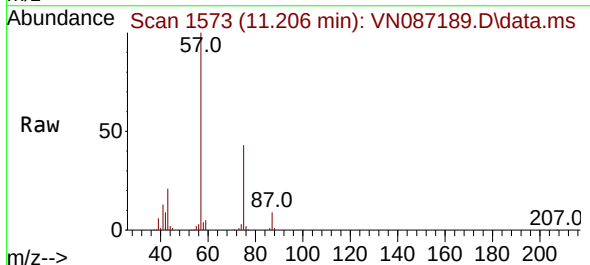
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-J-I

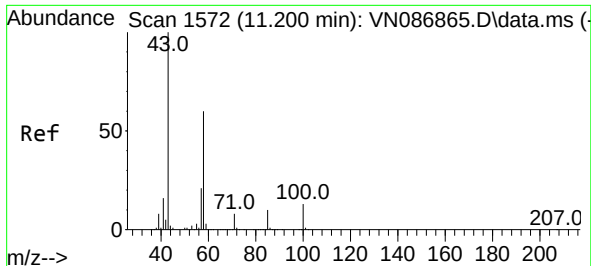
Tgt Ion: 75 Resp: 51152
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.2 39.4#
 39 26.9 32.3 48.5#



#57
 1,3-Dichloropropane
 Concen: 1.106 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.041 min
 Lab File: VN087189.D
 Acq: 26 Jun 2025 13:05

Tgt Ion: 76 Resp: 3446
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.3 37.9#

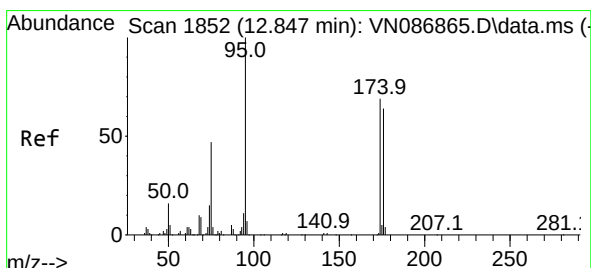
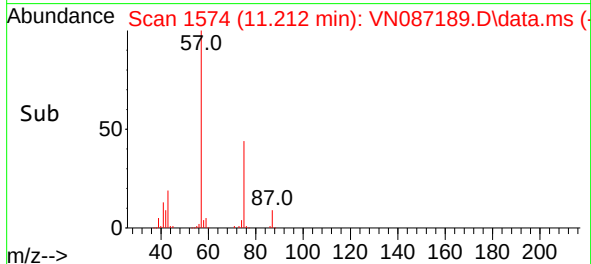
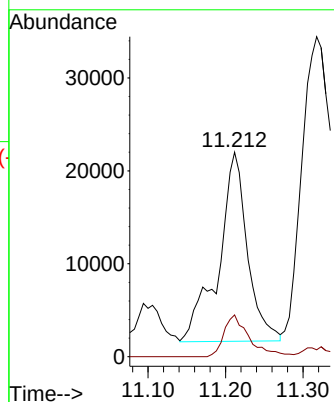
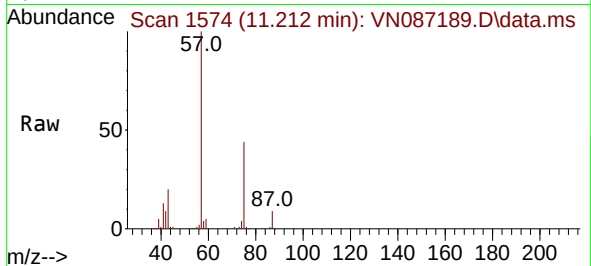




#59
2-Hexanone
Concen: 28.551 ug/l
RT: 11.212 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN087189.D
Acq: 26 Jun 2025 13:05

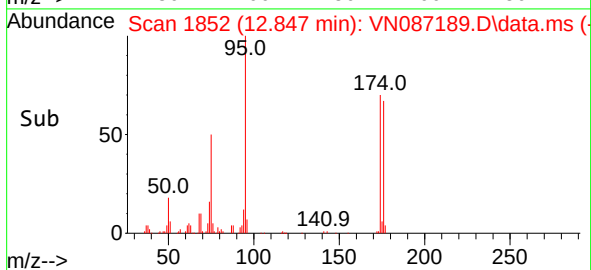
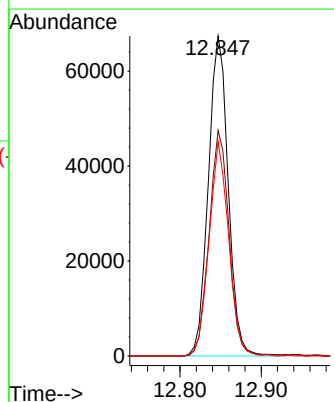
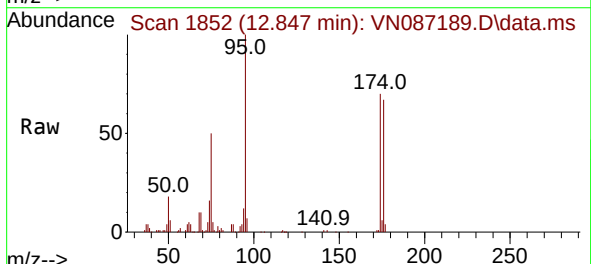
Instrument :
MSVOA_N
ClientSampleId :
MH-J-I

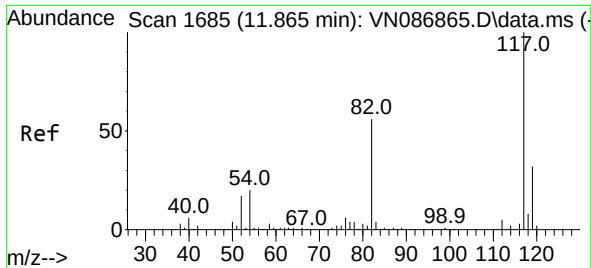
Tgt Ion: 43 Resp: 52815
Ion Ratio Lower Upper
43 100
58 19.5 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 49.669 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087189.D
Acq: 26 Jun 2025 13:05

Tgt Ion: 95 Resp: 114464
Ion Ratio Lower Upper
95 100
174 71.2 0.0 141.8
176 65.8 0.0 132.6

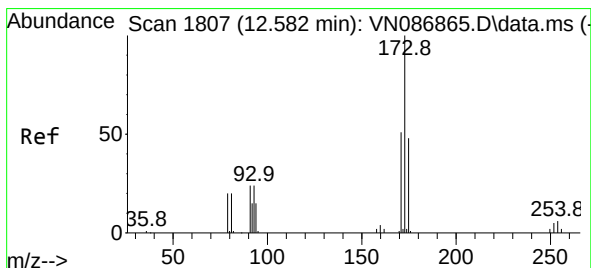
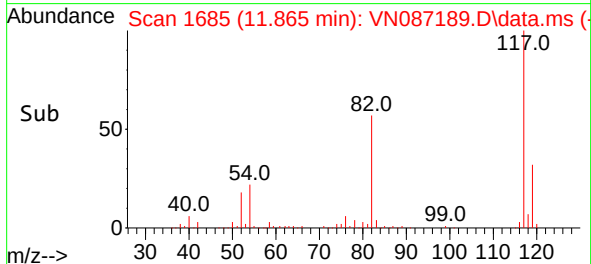
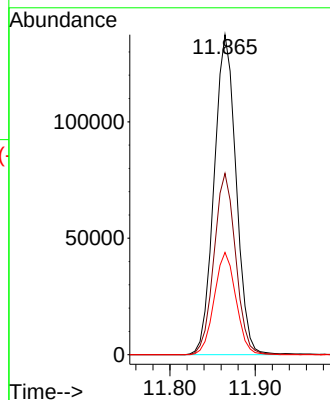
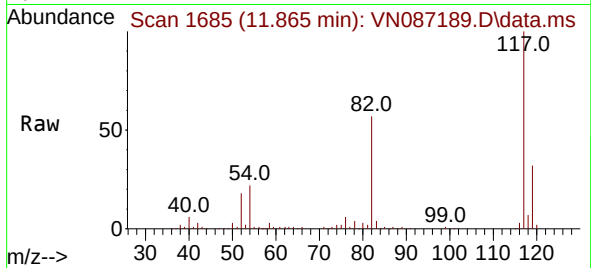




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087189.D
Acq: 26 Jun 2025 13:05

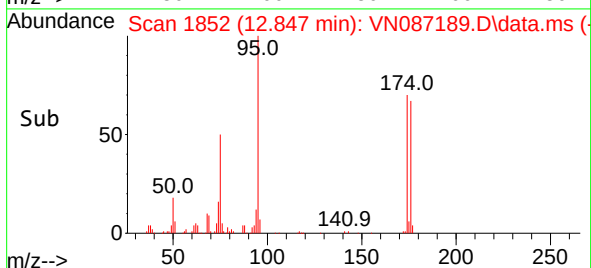
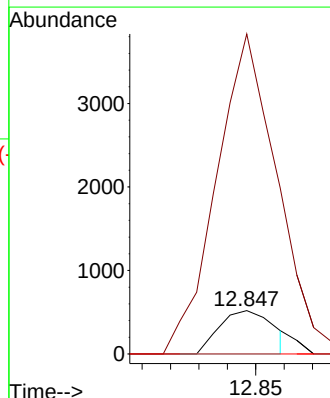
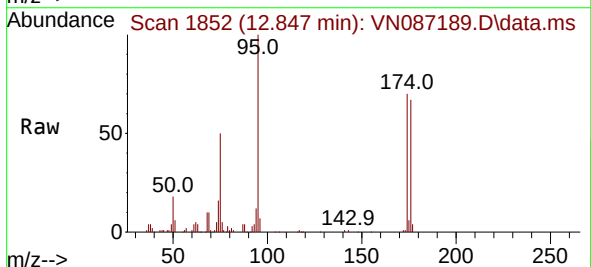
Instrument :
MSVOA_N
ClientSampleId :
MH-J-I

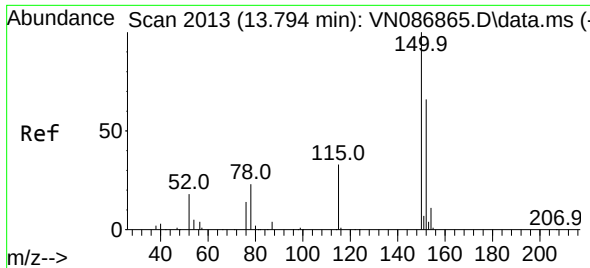
Tgt Ion:117 Resp: 246322
Ion Ratio Lower Upper
117 100
82 56.7 44.6 67.0
119 32.0 25.5 38.3



#71
Bromoform
Concen: 0.532 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.264 min
Lab File: VN087189.D
Acq: 26 Jun 2025 13:05

Tgt Ion:173 Resp: 688
Ion Ratio Lower Upper
173 100
175 757.8 24.1 72.4#
254 0.0 0.0 0.0

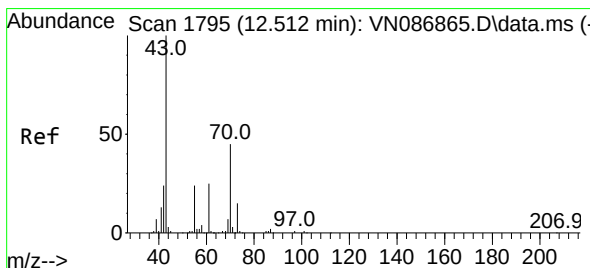
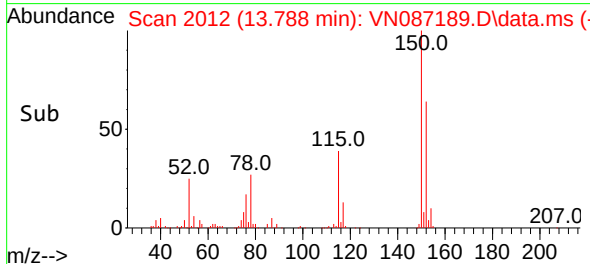
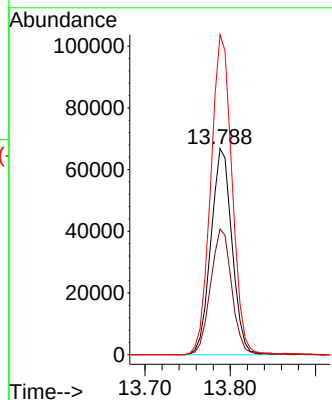
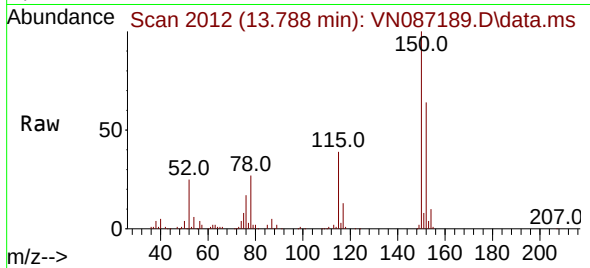




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN087189.D
Acq: 26 Jun 2025 13:05

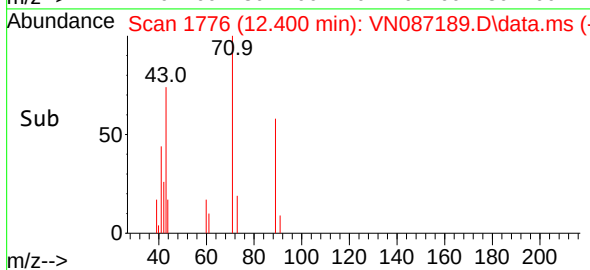
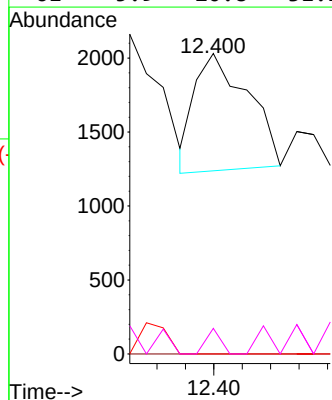
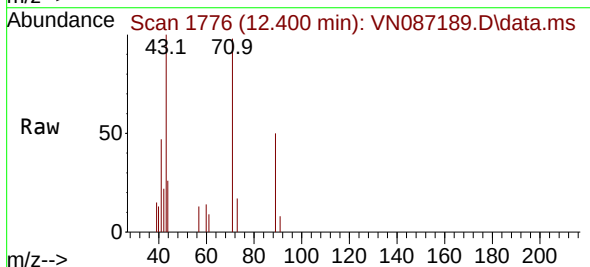
Instrument :
MSVOA_N
ClientSampleId :
MH-J-I

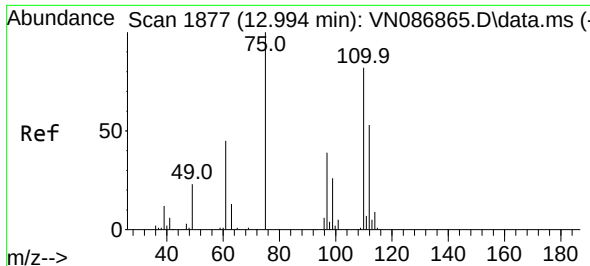
Tgt Ion:152 Resp: 114926
Ion Ratio Lower Upper
152 100
115 61.1 30.1 90.5
150 156.4 0.0 345.0



#74
N-ethyl acetate
Concen: 0.354 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.112 min
Lab File: VN087189.D
Acq: 26 Jun 2025 13:05

Tgt Ion: 43 Resp: 1035
Ion Ratio Lower Upper
43 100
70 0.0 37.6 56.4#
55 0.0 19.0 28.6#
61 5.9 20.8 31.2#

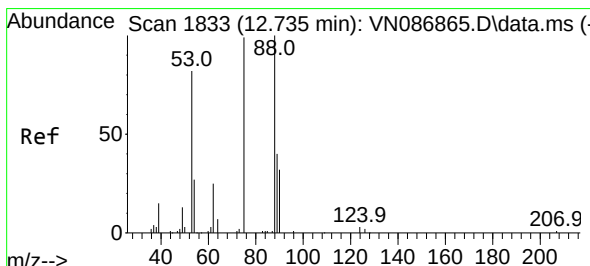
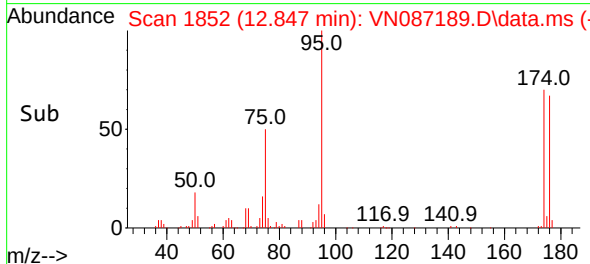
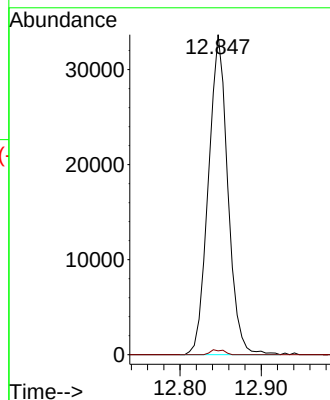
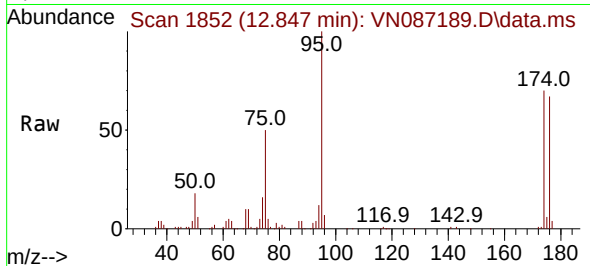




#76
1,2,3-Trichloropropane
Concen: 20.504 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087189.D
Acq: 26 Jun 2025 13:05

Instrument :
MSVOA_N
ClientSampleId :
MH-J-I

Tgt Ion: 75 Resp: 56014
Ion Ratio Lower Upper
75 100
77 1.1 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 47.200 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087189.D
Acq: 26 Jun 2025 13:05

Tgt Ion: 75 Resp: 56014
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.1 36.7 55.1#

