

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
 Data File : VN086510.D
 Acq On : 06 May 2025 13:22
 Operator : JC\MD
 Sample : Q1947-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-O

Quant Time: May 07 02:55:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

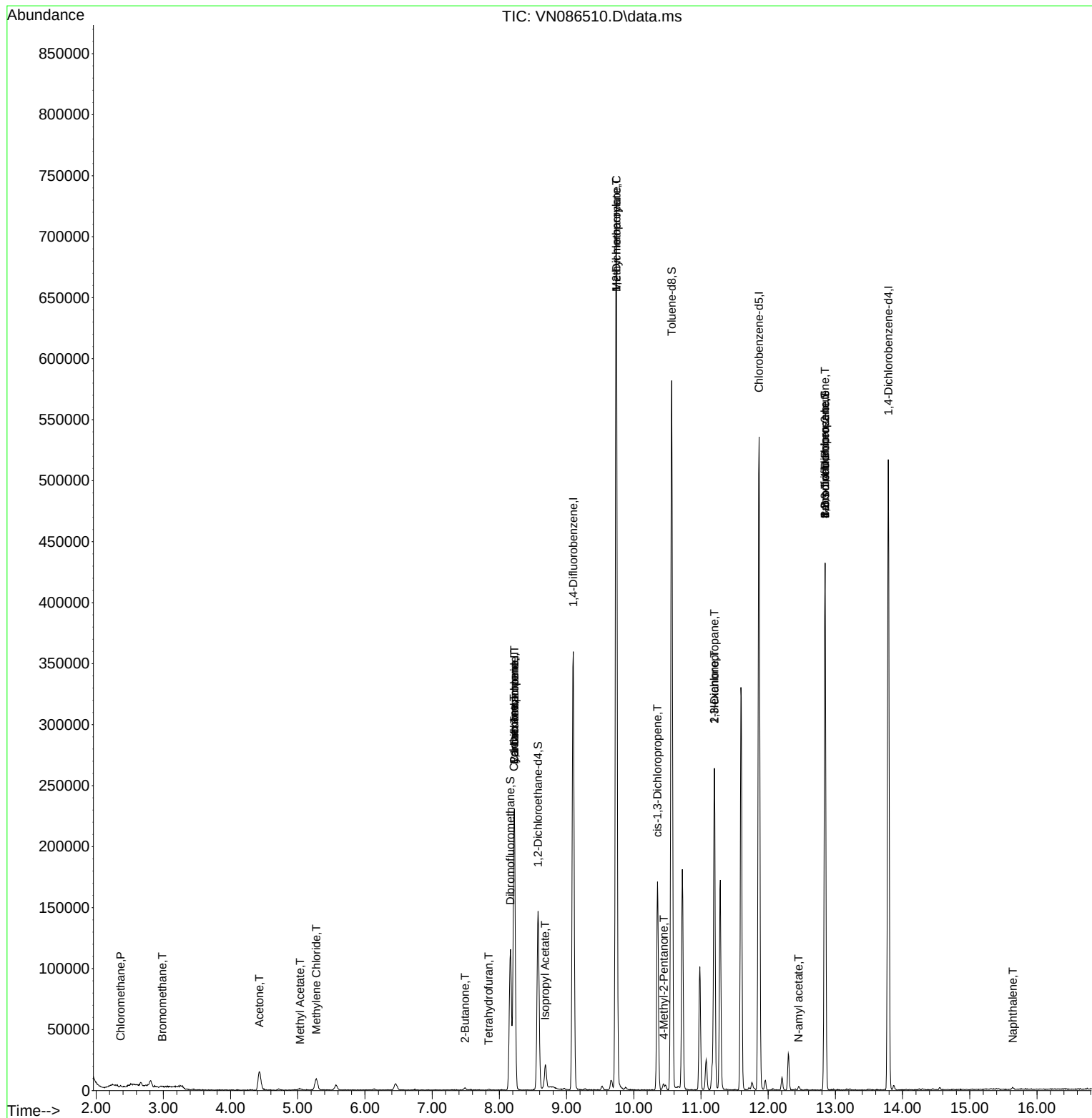
Internal Standards						
1) Pentafluorobenzene	8.224	168	173645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	323480	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	313188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	139925	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	121653	48.313	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.620%
35) Dibromofluoromethane	8.165	113	84532	56.305	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	112.620%
50) Toluene-d8	10.565	98	410428	51.152	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.300%
62) 4-Bromofluorobenzene	12.847	95	151084	51.624	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.240%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	812	0.271	ug/l #	42
5) Bromomethane	2.983	94	504	0.392	ug/l #	79
16) Acetone	4.430	43	30630	30.165	ug/l	100
18) Methyl Acetate	5.036	43	2348	0.777	ug/l #	68
20) Methylene Chloride	5.277	84	7564	3.249	ug/l	95
25) 2-Butanone	7.488	43	2965	1.892	ug/l	92
29) Tetrahydrofuran	7.841	42	656	0.626	ug/l #	41
31) Cyclohexane	8.218	56	3872	0.949	ug/l #	7
36) 1,1-Dichloropropene	8.224	75	13858	4.621	ug/l #	50
38) Carbon Tetrachloride	8.224	117	17098	5.987	ug/l #	15
43) Isopropyl Acetate	8.683	43	25141	2.624	ug/l #	87
45) 1,2-Dichloropropane	9.741	63	732	0.311	ug/l #	43
48) Methyl methacrylate	9.741	41	66928	24.141	ug/l #	43
51) 4-Methyl-2-Pentanone	10.447	43	4090	1.265	ug/l #	83
54) cis-1,3-Dichloropropene	10.353	75	32205	8.116	ug/l #	60
57) 1,3-Dichloropropane	11.200	76	3025	0.790	ug/l #	43
59) 2-Hexanone	11.200	43	50489	21.056	ug/l #	43
71) Bromoform	12.847	173	804	0.463	ug/l #	1
74) N-amyl acetate	12.453	43	2615	0.459	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	78261	23.701	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	78261	56.921	ug/l #	10
95) Naphthalene	15.641	128	2388	0.304	ug/l #	83

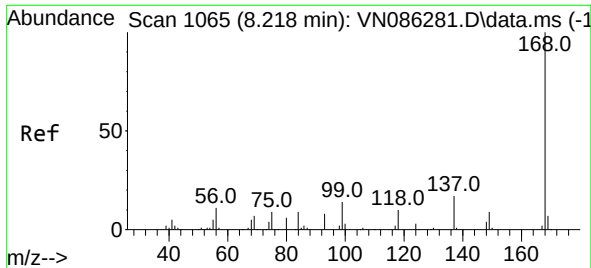
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

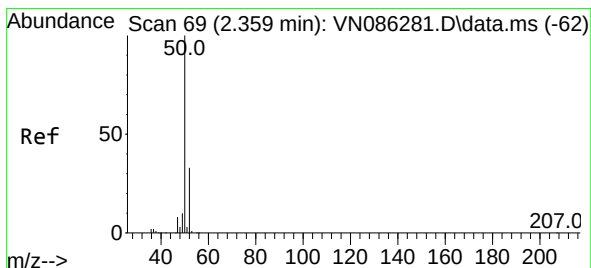
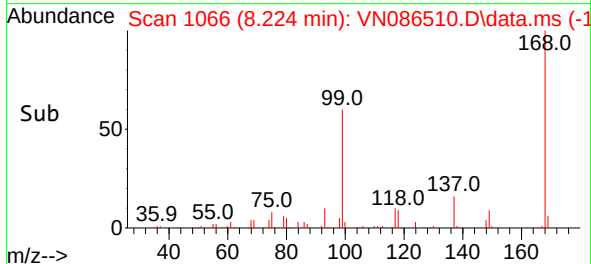
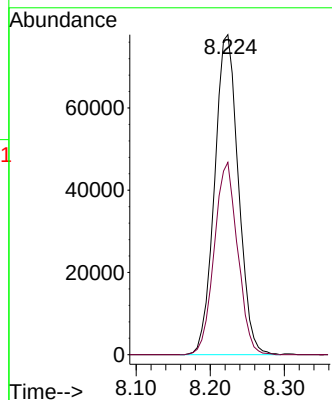
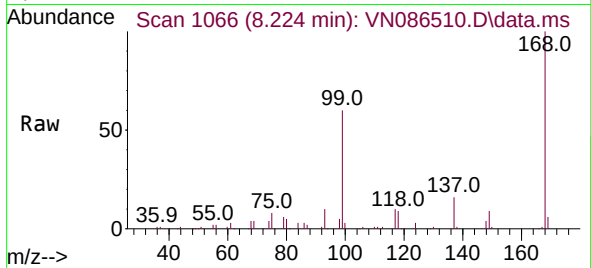




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086510.D
Acq: 06 May 2025 13:22

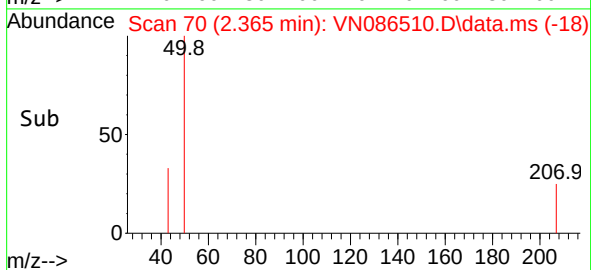
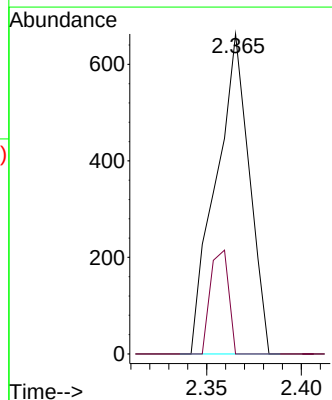
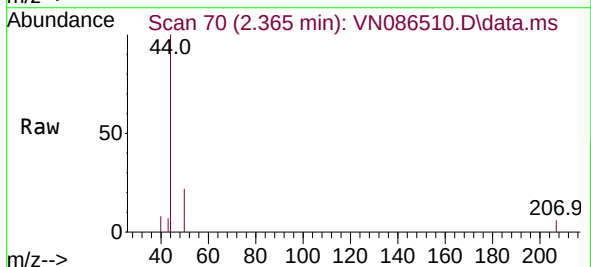
Instrument :
MSVOA_N
ClientSampleId :
MH-O

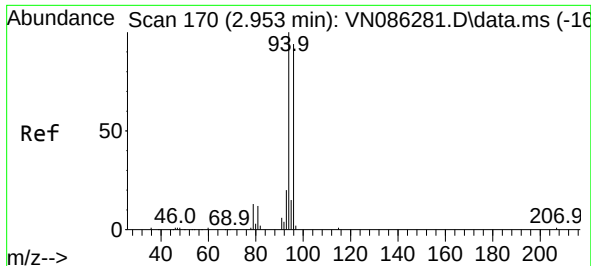
Tgt Ion:168 Resp: 173645
Ion Ratio Lower Upper
168 100
99 60.1 52.5 78.7



#3
Chloromethane
Concen: 0.271 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086510.D
Acq: 06 May 2025 13:22

Tgt Ion: 50 Resp: 812
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

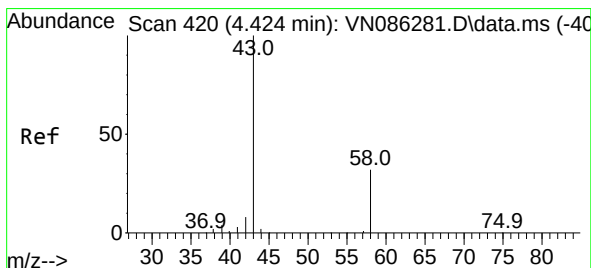
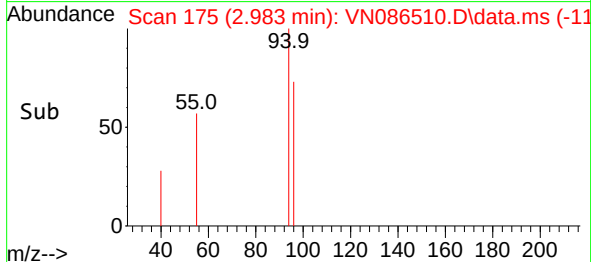
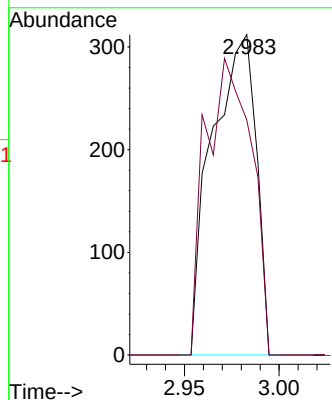
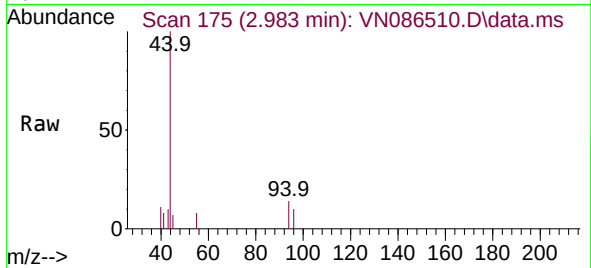




#5
Bromomethane
Concen: 0.392 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN086510.D
Acq: 06 May 2025 13:22

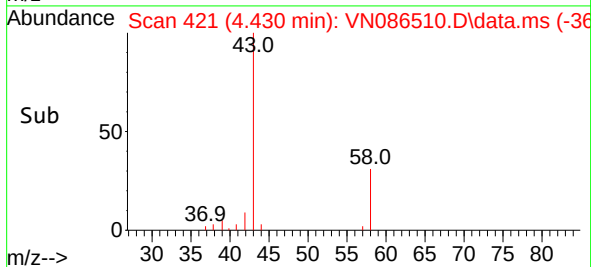
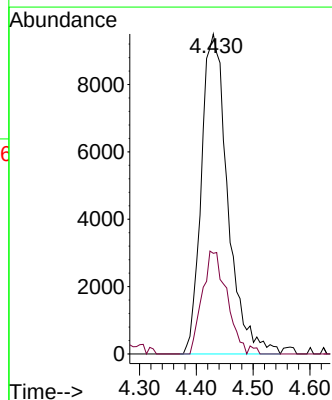
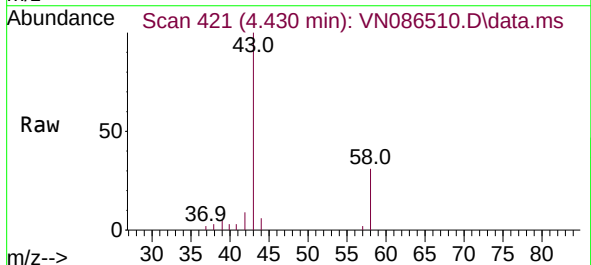
Instrument :
MSVOA_N
ClientSampleId :
MH-O

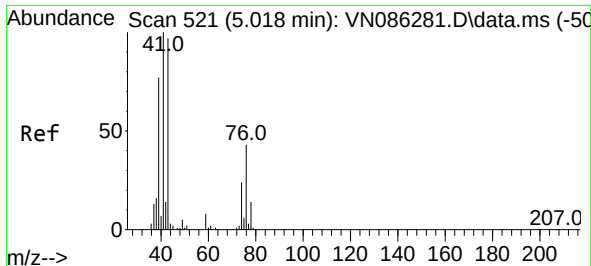
Tgt Ion: 94 Resp: 504
Ion Ratio Lower Upper
94 100
96 73.4 75.2 112.8#



#16
Acetone
Concen: 30.165 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086510.D
Acq: 06 May 2025 13:22

Tgt Ion: 43 Resp: 30630
Ion Ratio Lower Upper
43 100
58 31.5 25.3 37.9

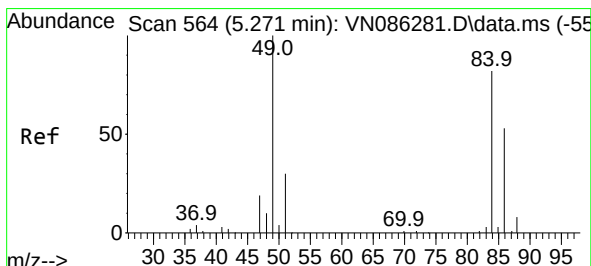
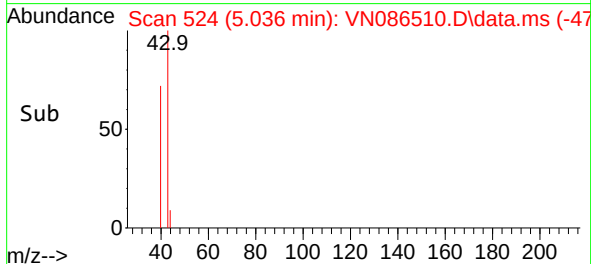
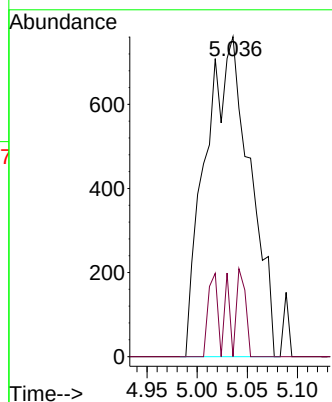
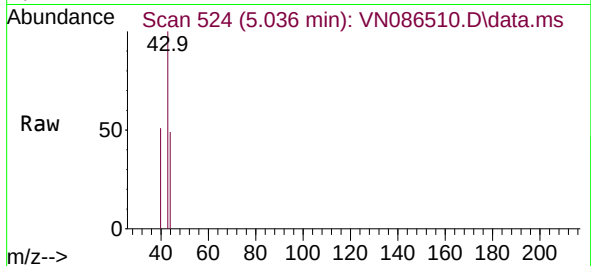




#18
Methyl Acetate
Concen: 0.777 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN086510.D
Acq: 06 May 2025 13:22

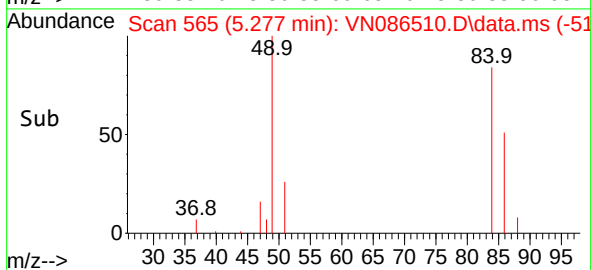
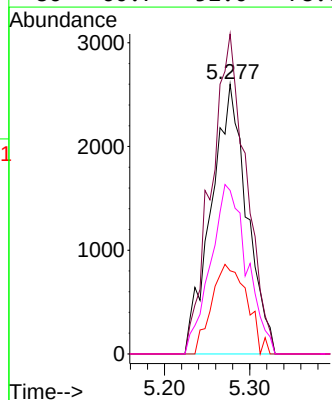
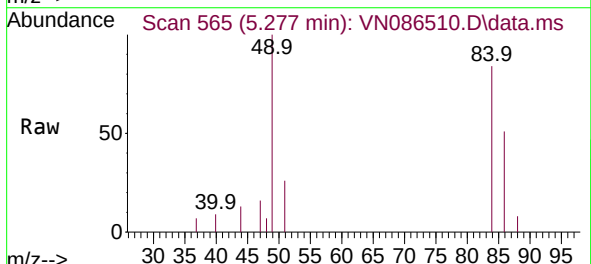
Instrument :
MSVOA_N
ClientSampleId :
MH-O

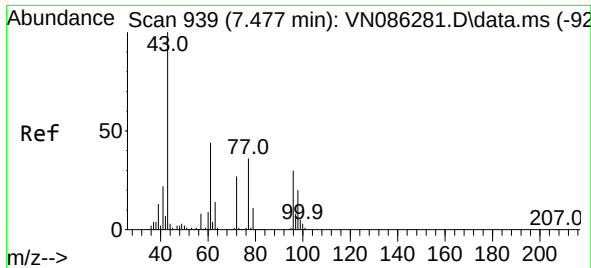
Tgt Ion: 43 Resp: 2348
Ion Ratio Lower Upper
43 100
74 8.5 19.8 29.6#



#20
Methylene Chloride
Concen: 3.249 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086510.D
Acq: 06 May 2025 13:22

Tgt Ion: 84 Resp: 7564
Ion Ratio Lower Upper
84 100
49 118.7 98.2 147.2
51 30.8 29.8 44.6
86 60.7 52.0 78.0

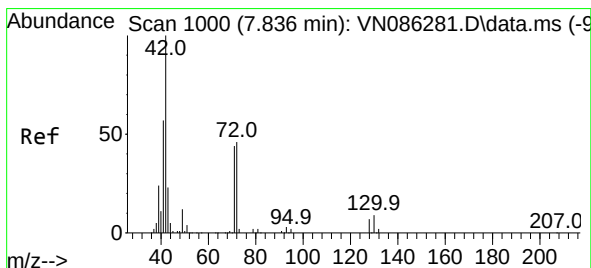
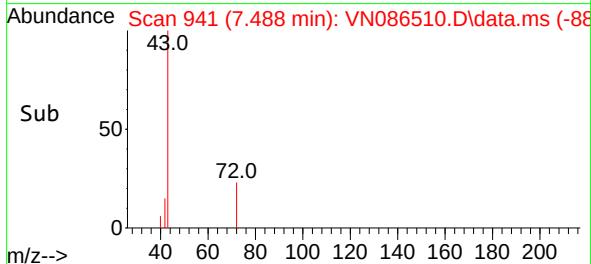
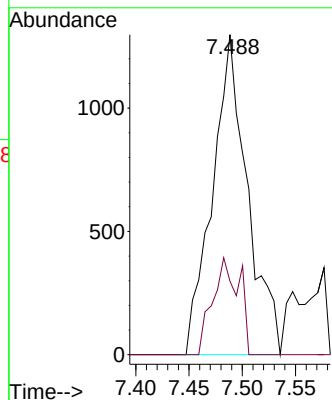
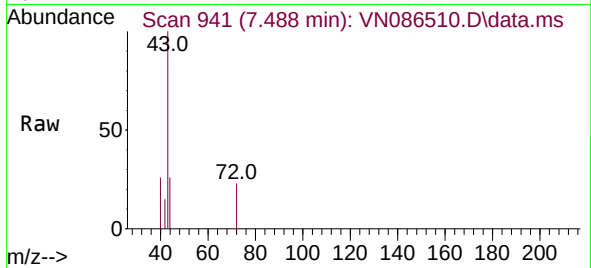




#25
2-Butanone
Concen: 1.892 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086510.D
Acq: 06 May 2025 13:22

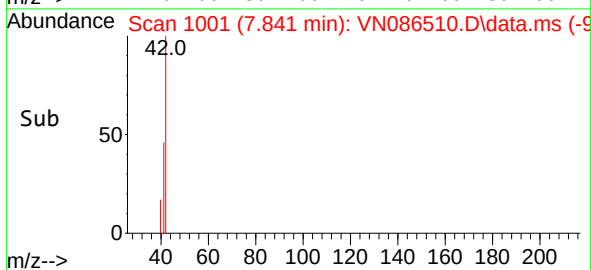
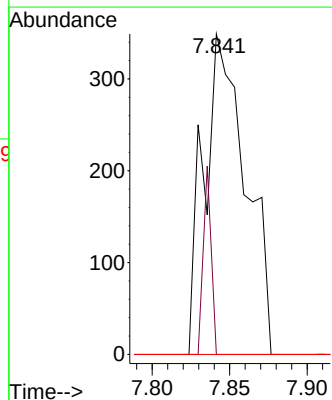
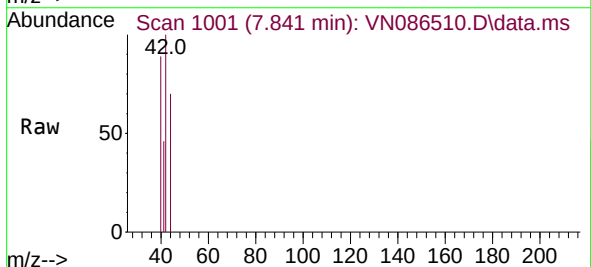
Instrument :
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ClientSampleId :
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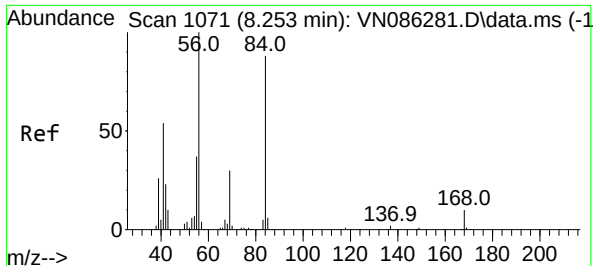
Tgt Ion: 43 Resp: 2965
Ion Ratio Lower Upper
43 100
72 23.0 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.626 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN086510.D
Acq: 06 May 2025 13:22

Tgt Ion: 42 Resp: 656
Ion Ratio Lower Upper
42 100
72 11.0 36.2 54.4#
71 0.0 34.0 51.0#

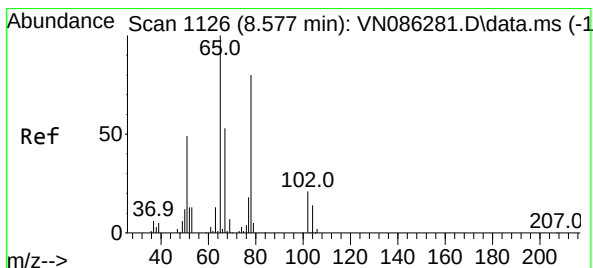
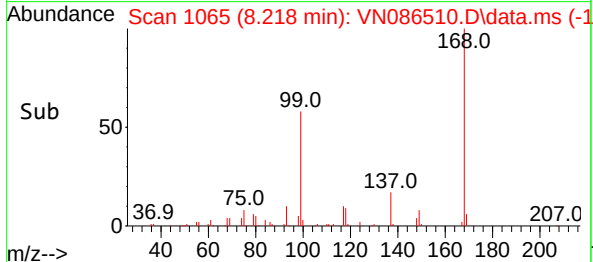
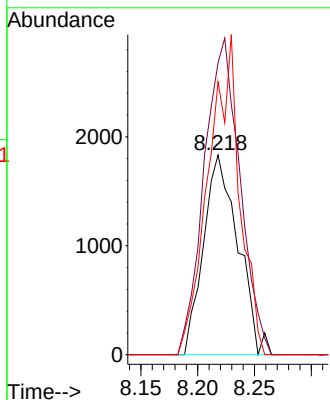
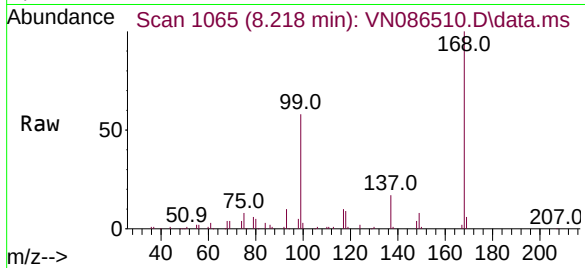




#31
Cyclohexane
Concen: 0.949 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086510.D
Acq: 06 May 2025 13:22

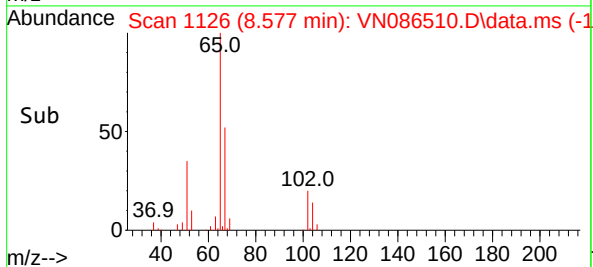
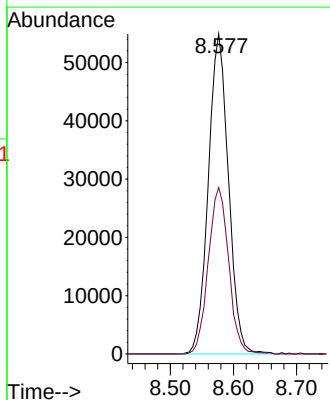
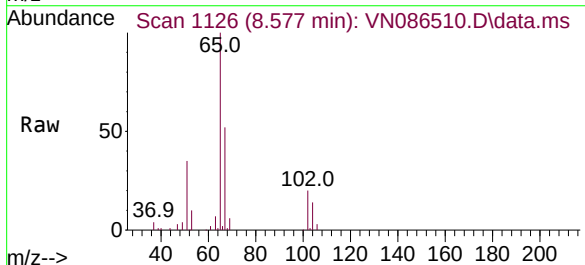
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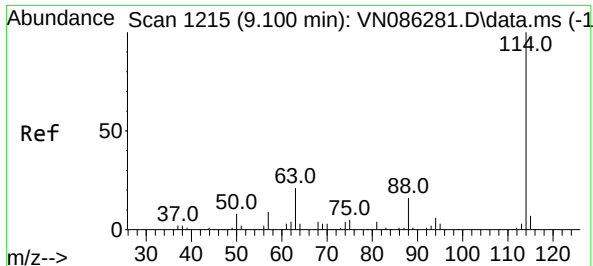
Tgt Ion: 56 Resp: 3872
Ion Ratio Lower Upper
56 100
69 146.1 24.2 36.2#
84 136.5 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 48.313 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086510.D
Acq: 06 May 2025 13:22

Tgt Ion: 65 Resp: 121653
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.0

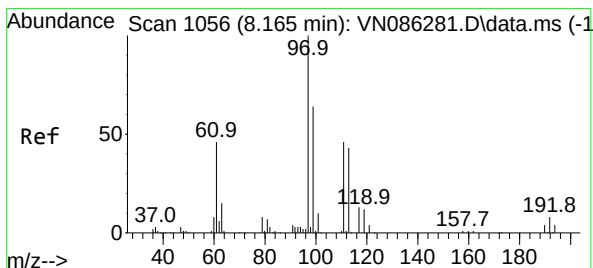
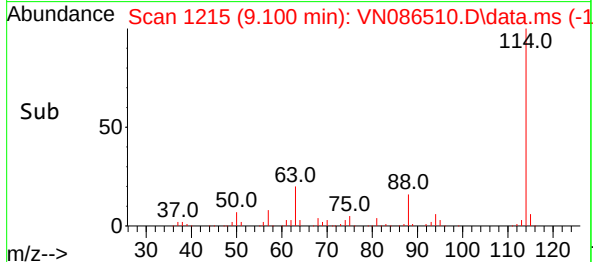
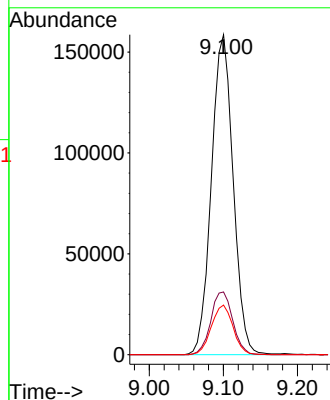
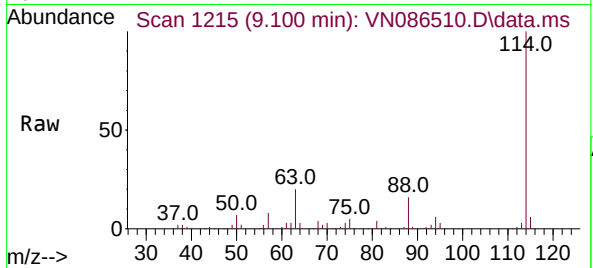




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086510.D
Acq: 06 May 2025 13:22

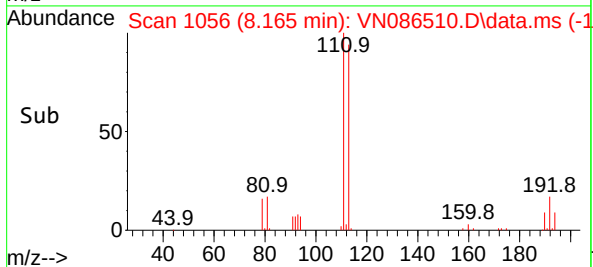
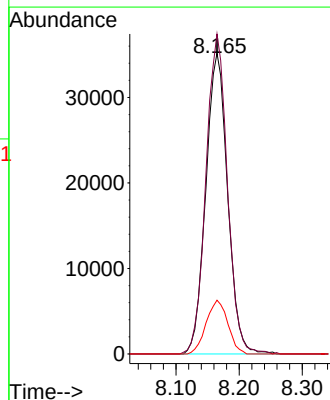
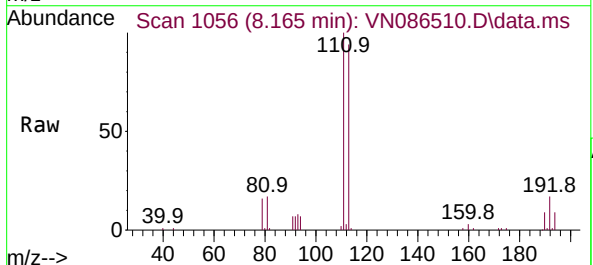
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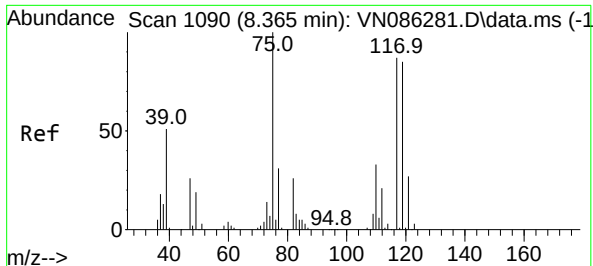
Tgt Ion:114 Resp: 323480
Ion Ratio Lower Upper
114 100
63 19.6 0.0 42.6
88 15.5 0.0 31.8



#35
Dibromofluoromethane
Concen: 56.305 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086510.D
Acq: 06 May 2025 13:22

Tgt Ion:113 Resp: 84532
Ion Ratio Lower Upper
113 100
111 104.7 83.4 125.0
192 17.7 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.621 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086510.D

Acq: 06 May 2025 13:22

Instrument :

MSVOA_N

ClientSampleId :

MH-O

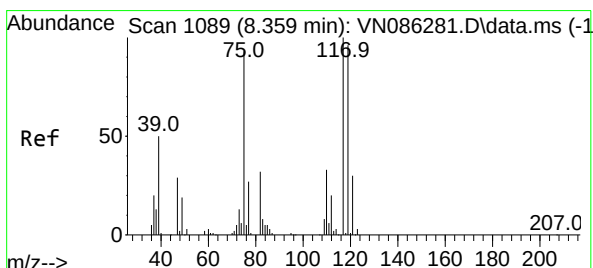
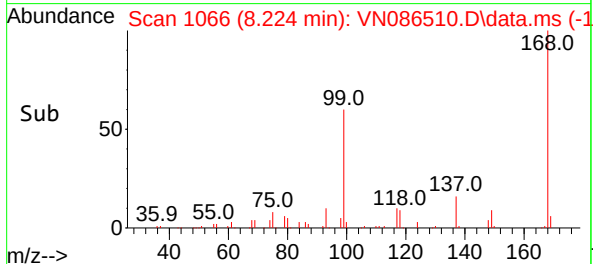
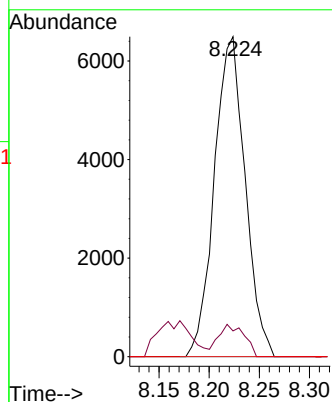
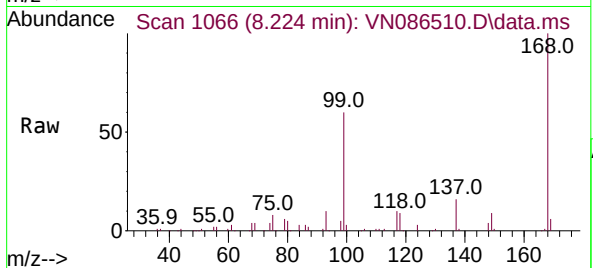
Tgt Ion: 75 Resp: 13858

Ion Ratio Lower Upper

75 100

110 8.4 16.8 50.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.987 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086510.D

Acq: 06 May 2025 13:22

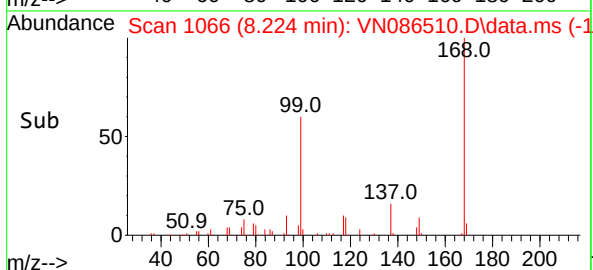
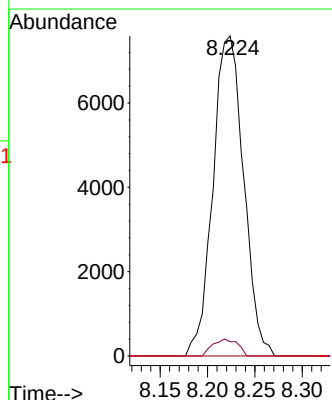
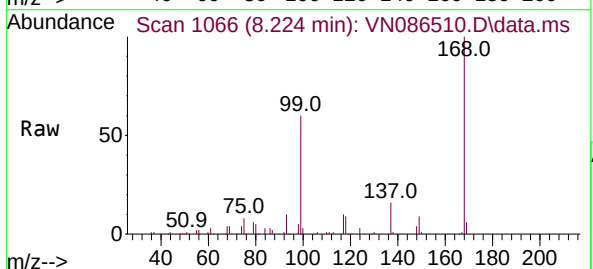
Tgt Ion: 117 Resp: 17098

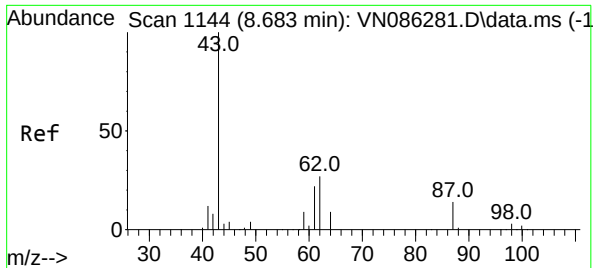
Ion Ratio Lower Upper

117 100

119 4.5 76.8 115.2#

121 0.0 23.8 35.8#

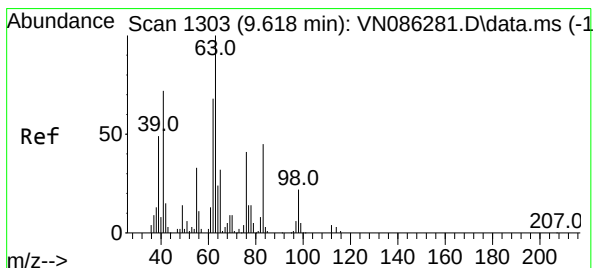
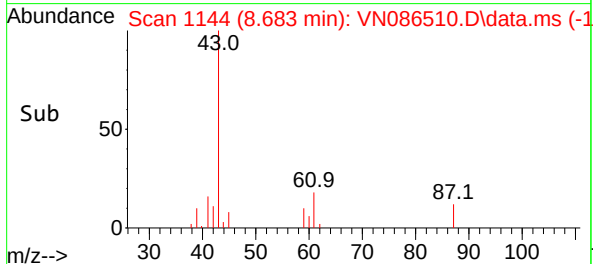
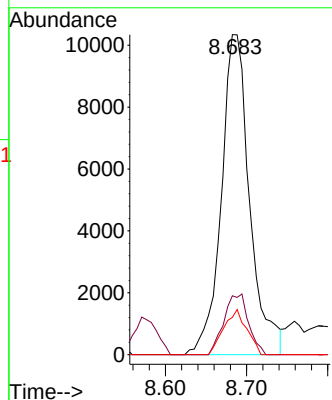
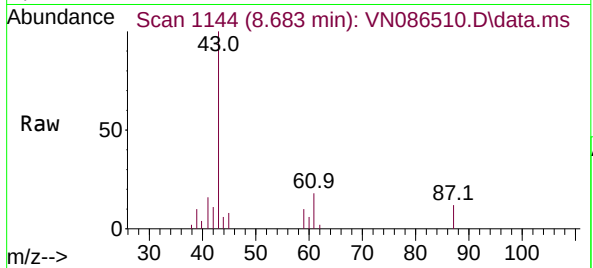




#43
Isopropyl Acetate
Concen: 2.624 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086510.D
Acq: 06 May 2025 13:22

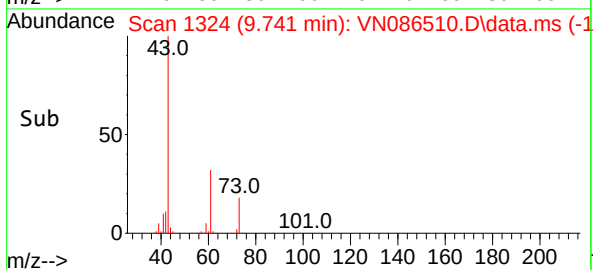
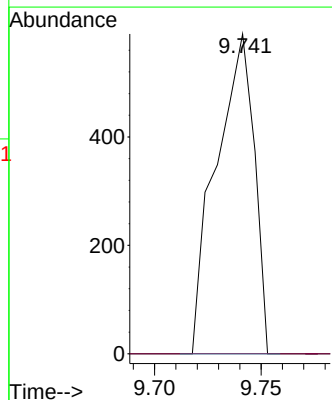
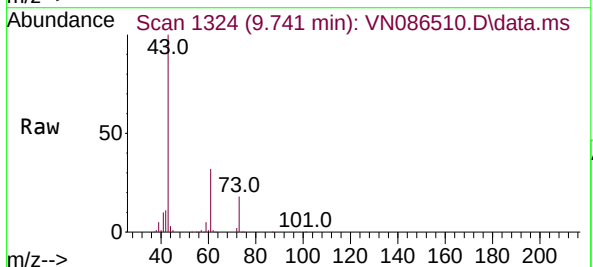
Instrument :
MSVOA_N
ClientSampleId :
MH-O

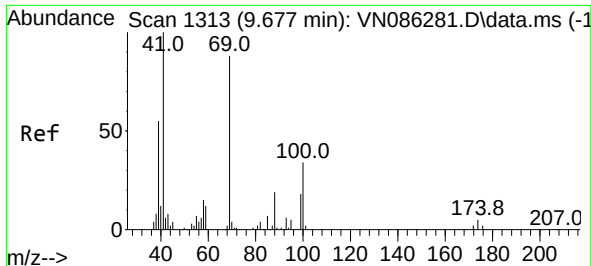
Tgt Ion: 43 Resp: 25141
Ion Ratio Lower Upper
43 100
61 16.4 20.5 30.7#
87 11.4 10.5 15.7



#45
1,2-Dichloropropane
Concen: 0.311 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN086510.D
Acq: 06 May 2025 13:22

Tgt Ion: 63 Resp: 732
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.2#

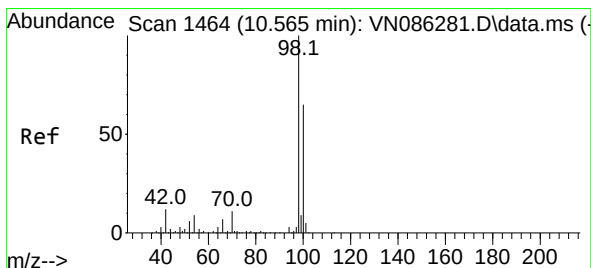
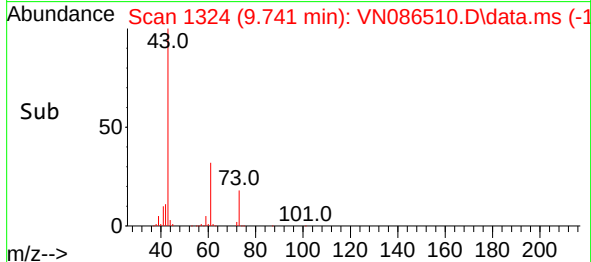
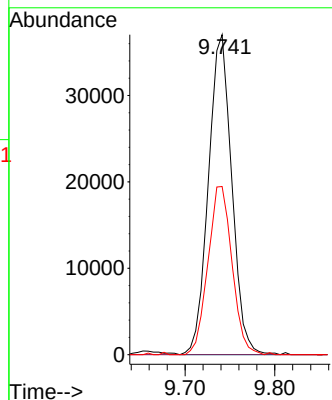
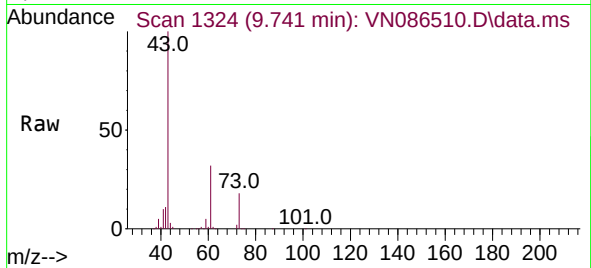




#48
Methyl methacrylate
Concen: 24.141 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN086510.D
Acq: 06 May 2025 13:22

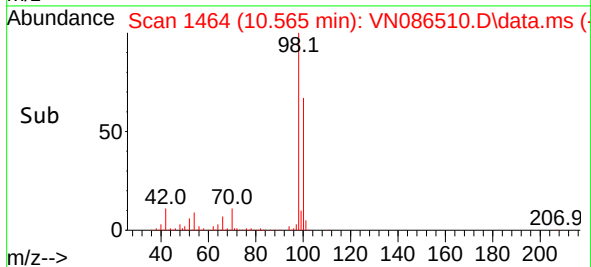
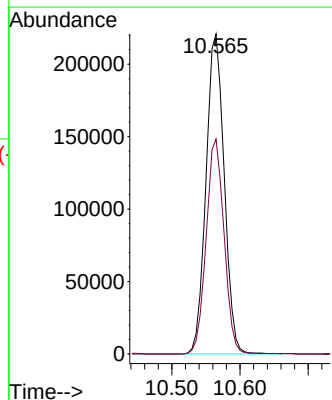
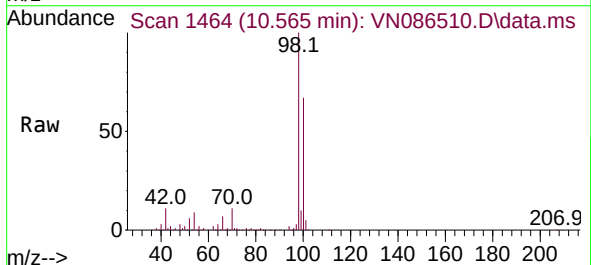
Instrument :
MSVOA_N
ClientSampleId :
MH-O

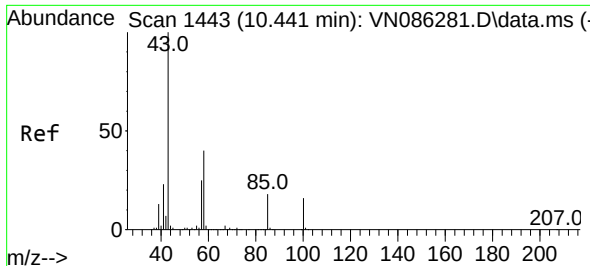
Tgt Ion: 41 Resp: 66928
Ion Ratio Lower Upper
41 100
69 0.0 68.2 102.2#
39 54.4 45.2 67.8



#50
Toluene-d8
Concen: 51.152 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086510.D
Acq: 06 May 2025 13:22

Tgt Ion: 98 Resp: 410428
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7

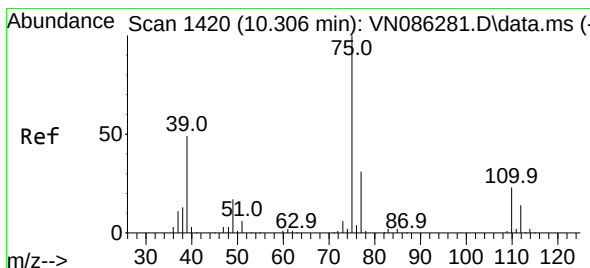
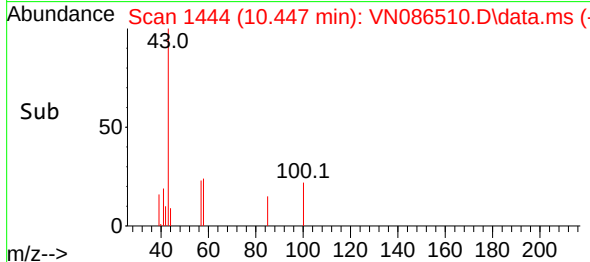
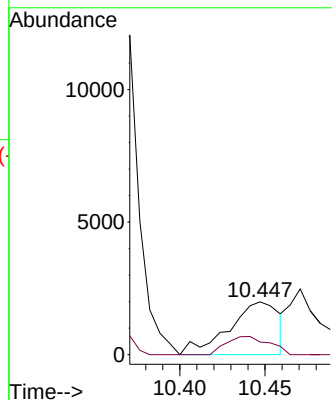
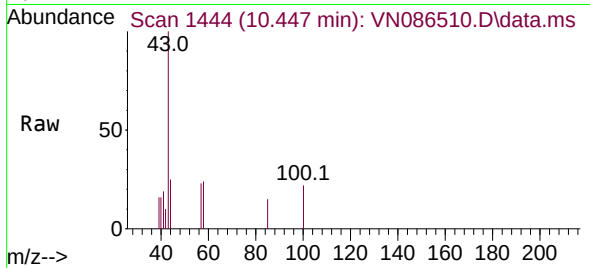




#51
4-Methyl-2-Pentanone
Concen: 1.265 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN086510.D
Acq: 06 May 2025 13:22

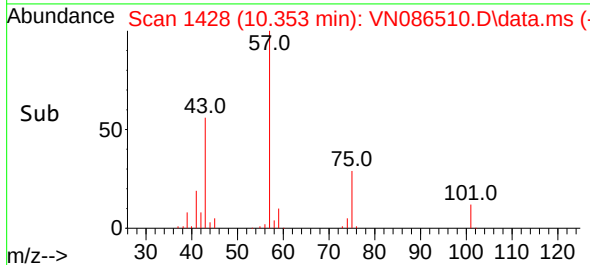
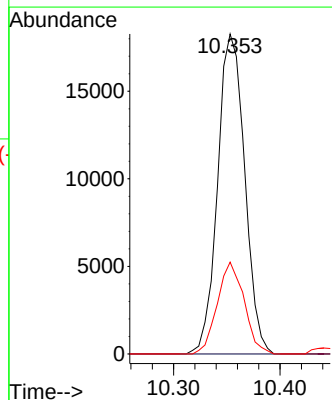
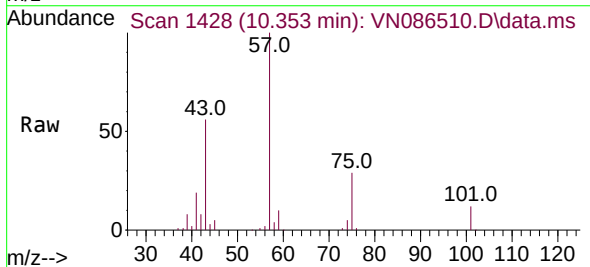
Instrument :
MSVOA_N
ClientSampleId :
MH-O

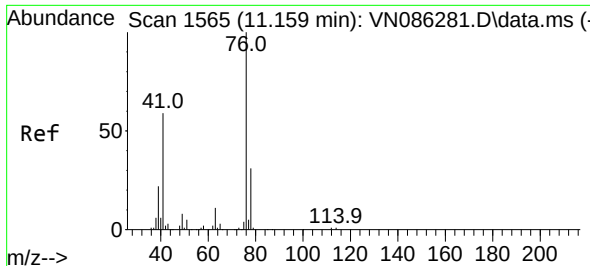
Tgt Ion: 43 Resp: 4090
Ion Ratio Lower Upper
43 100
58 29.7 32.2 48.4#



#54
cis-1,3-Dichloropropene
Concen: 8.116 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN086510.D
Acq: 06 May 2025 13:22

Tgt Ion: 75 Resp: 32205
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 28.7 39.3 58.9#





#57

1,3-Dichloropropane

Concen: 0.790 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN086510.D

Acq: 06 May 2025 13:22

Instrument :

MSVOA_N

ClientSampleId :

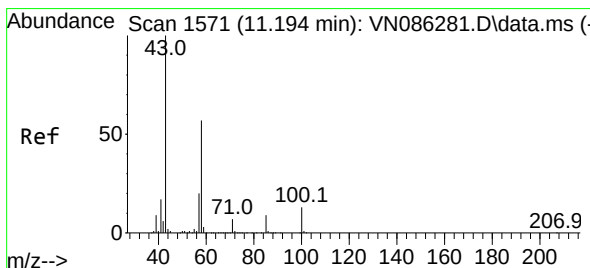
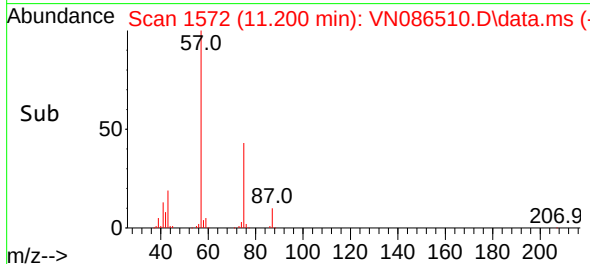
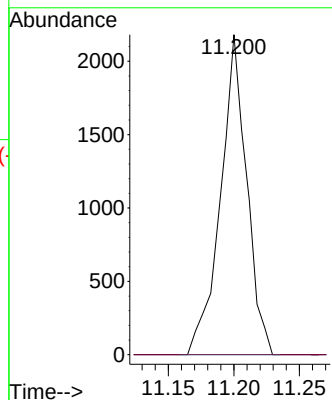
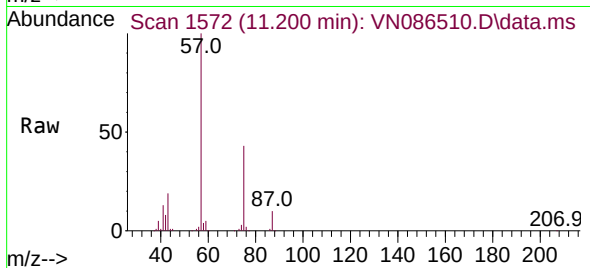
MH-O

Tgt Ion: 76 Resp: 3025

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 21.056 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086510.D

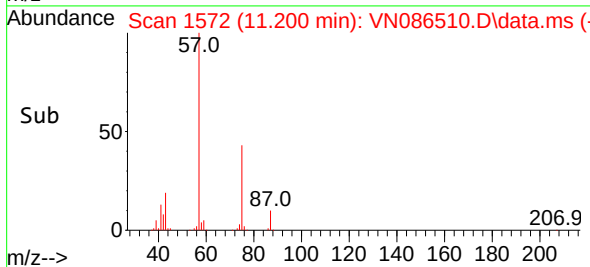
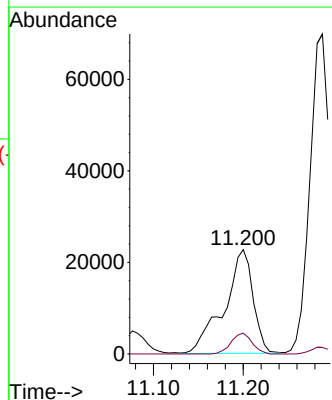
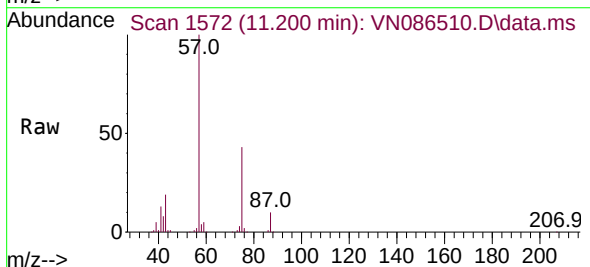
Acq: 06 May 2025 13:22

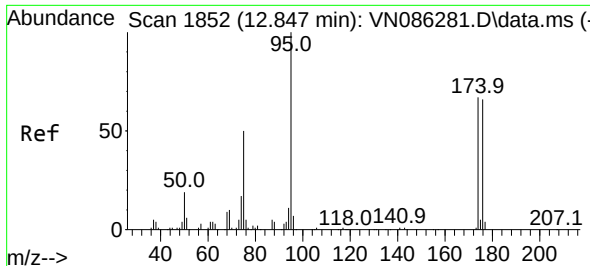
Tgt Ion: 43 Resp: 50489

Ion Ratio Lower Upper

43 100

58 14.6 28.3 85.0#

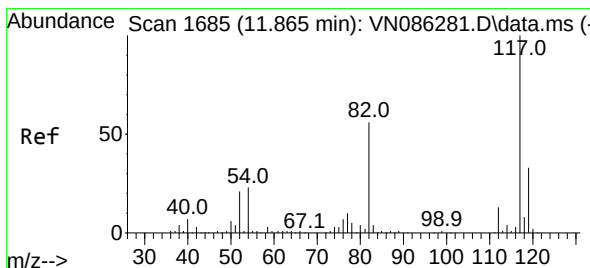
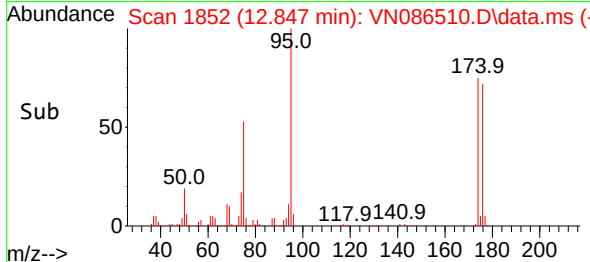
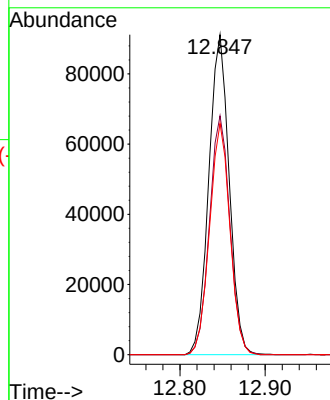
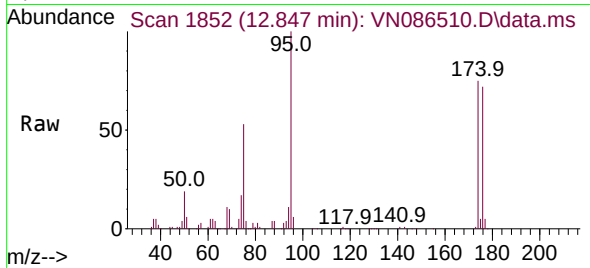




#62
4-Bromofluorobenzene
Concen: 51.624 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086510.D
Acq: 06 May 2025 13:22

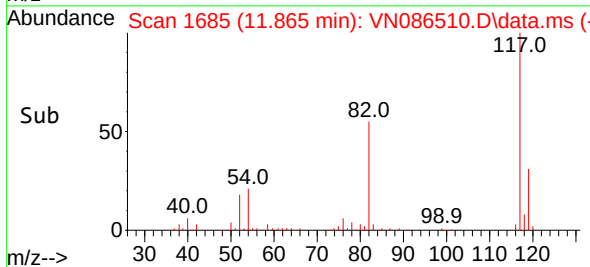
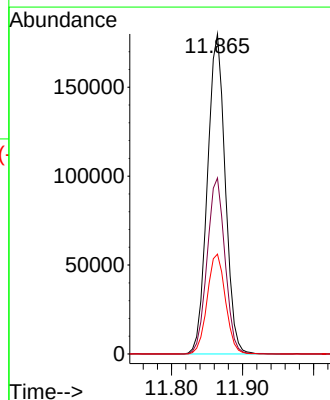
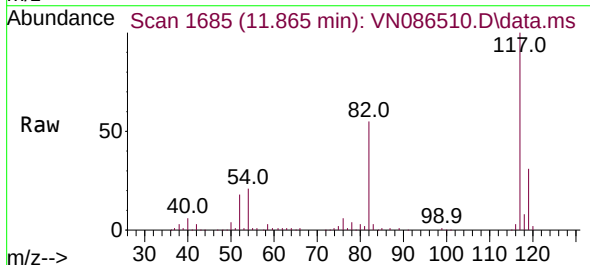
Instrument :
MSVOA_N
ClientSampleId :
MH-O

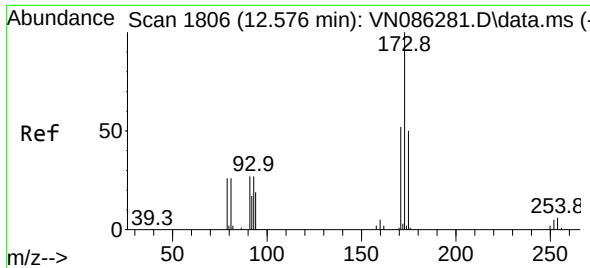
Tgt Ion: 95 Resp: 151084
Ion Ratio Lower Upper
95 100
174 75.0 0.0 133.4
176 72.1 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086510.D
Acq: 06 May 2025 13:22

Tgt Ion: 117 Resp: 313188
Ion Ratio Lower Upper
117 100
82 55.0 44.7 67.1
119 31.2 26.4 39.6

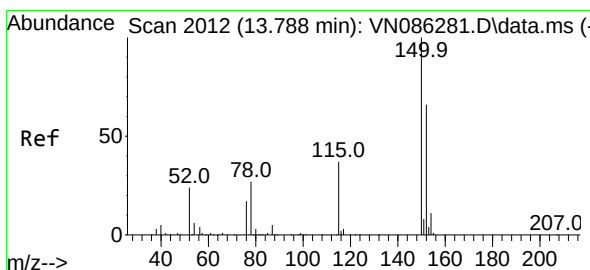
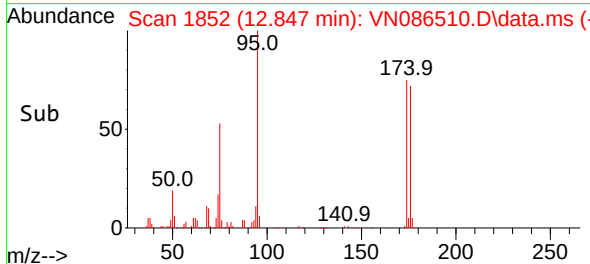
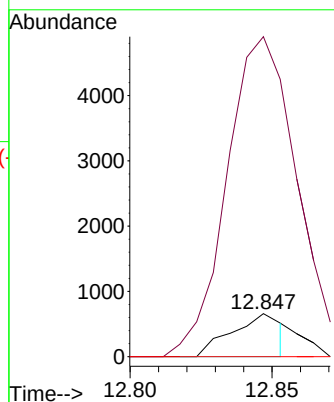
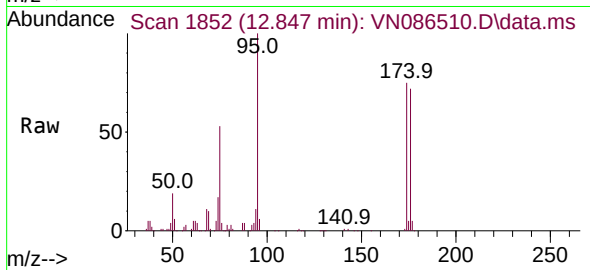




#71
Bromoform
Concen: 0.463 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN086510.D
Acq: 06 May 2025 13:22

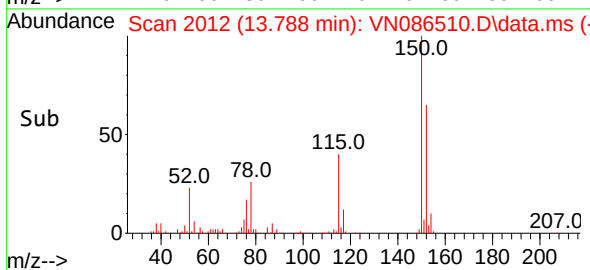
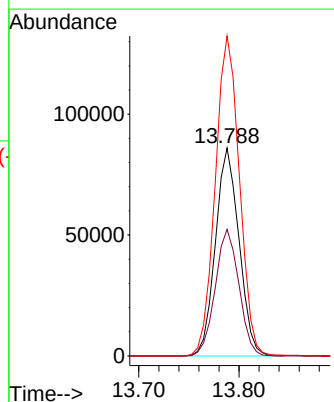
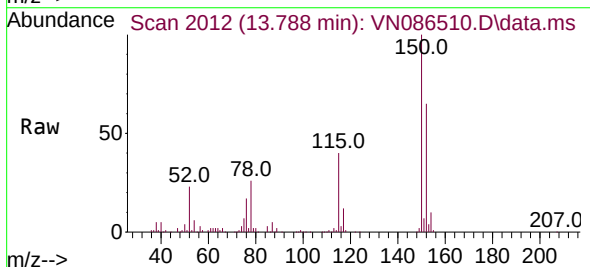
Instrument :
MSVOA_N
ClientSampleId :
MH-O

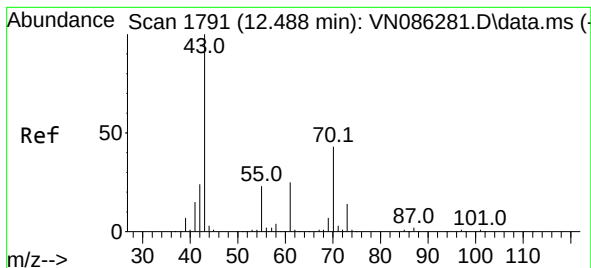
Tgt Ion:173 Resp: 804
Ion Ratio Lower Upper
173 100
175 830.2 24.6 73.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086510.D
Acq: 06 May 2025 13:22

Tgt Ion:152 Resp: 139925
Ion Ratio Lower Upper
152 100
115 61.2 31.9 95.9
150 157.9 0.0 352.0

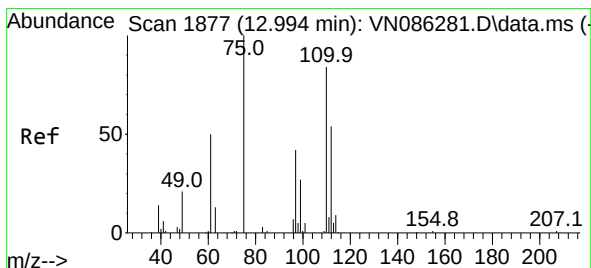
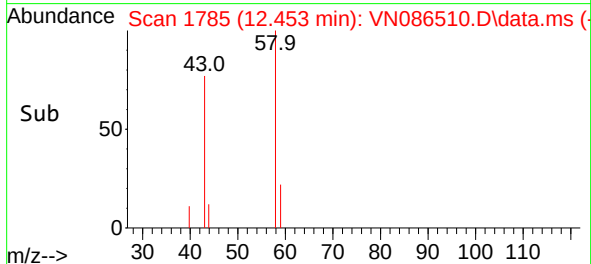
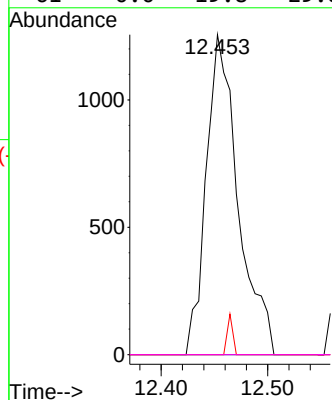
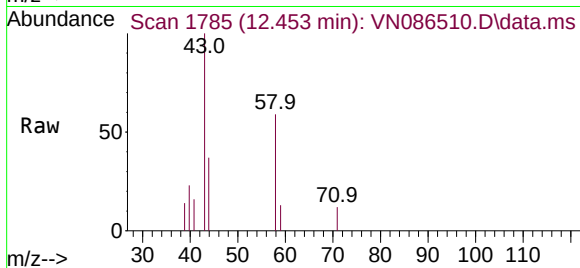




#74
N-amy1 acetate
Concen: 0.459 ug/l
RT: 12.453 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN086510.D
Acq: 06 May 2025 13:22

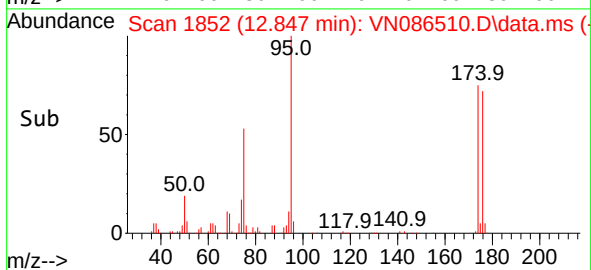
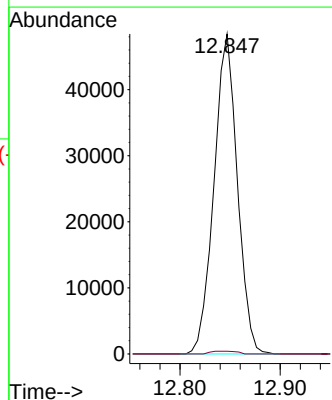
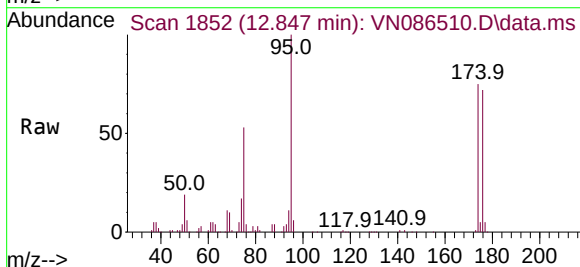
Instrument :
MSVOA_N
ClientSampleId :
MH-O

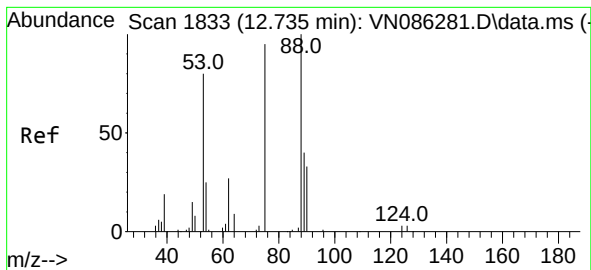
Tgt Ion: 43	Resp: 2615
Ion Ratio	Lower Upper
43 100	
70 0.0	35.0 52.4#
55 2.1	19.0 28.4#
61 0.0	19.8 29.8#



#76
1,2,3-Trichloropropane
Concen: 23.701 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086510.D
Acq: 06 May 2025 13:22

Tgt Ion: 75	Resp: 78261
Ion Ratio	Lower Upper
75 100	
77 1.0	98.8 296.4#

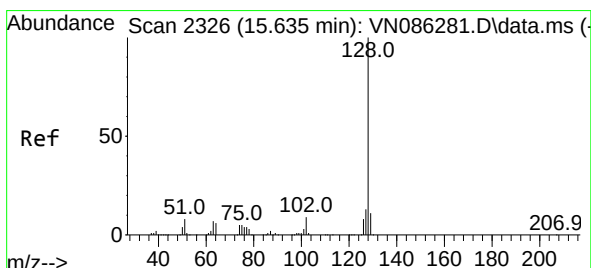
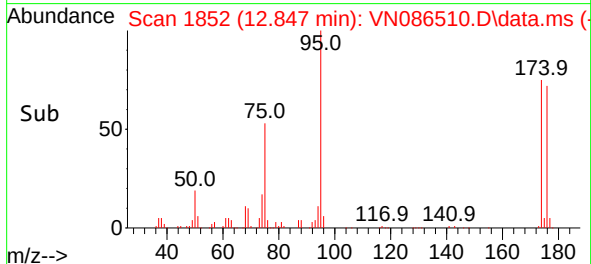
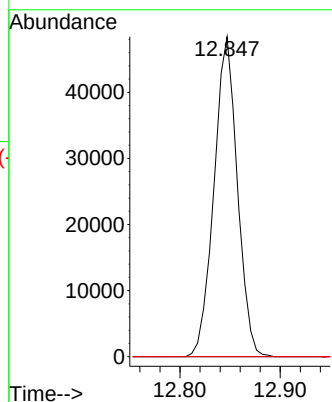
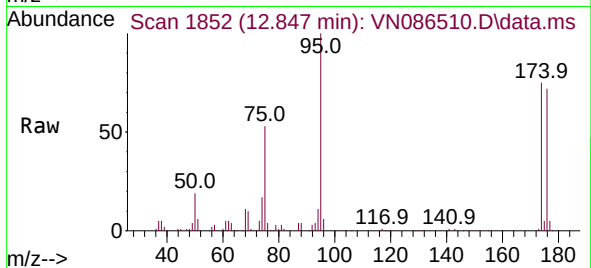




#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.921 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN086510.D
 Acq: 06 May 2025 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-O

Tgt Ion: 75 Resp: 78261
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.2 118.8#
 89 0.0 35.7 53.5#



#95
 Naphthalene
 Concen: 0.304 ug/l
 RT: 15.641 min Scan# 2327
 Delta R.T. 0.006 min
 Lab File: VN086510.D
 Acq: 06 May 2025 13:22

Tgt Ion: 128 Resp: 2388
 Ion Ratio Lower Upper
 128 100
 127 5.4 10.2 15.4#
 129 5.4 8.6 13.0#

