

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050825\
 Data File : VN086548.D
 Acq On : 08 May 2025 16:13
 Operator : JC\MD
 Sample : PB167895ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167895ZHE#06

Quant Time: May 09 01:54:11 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)

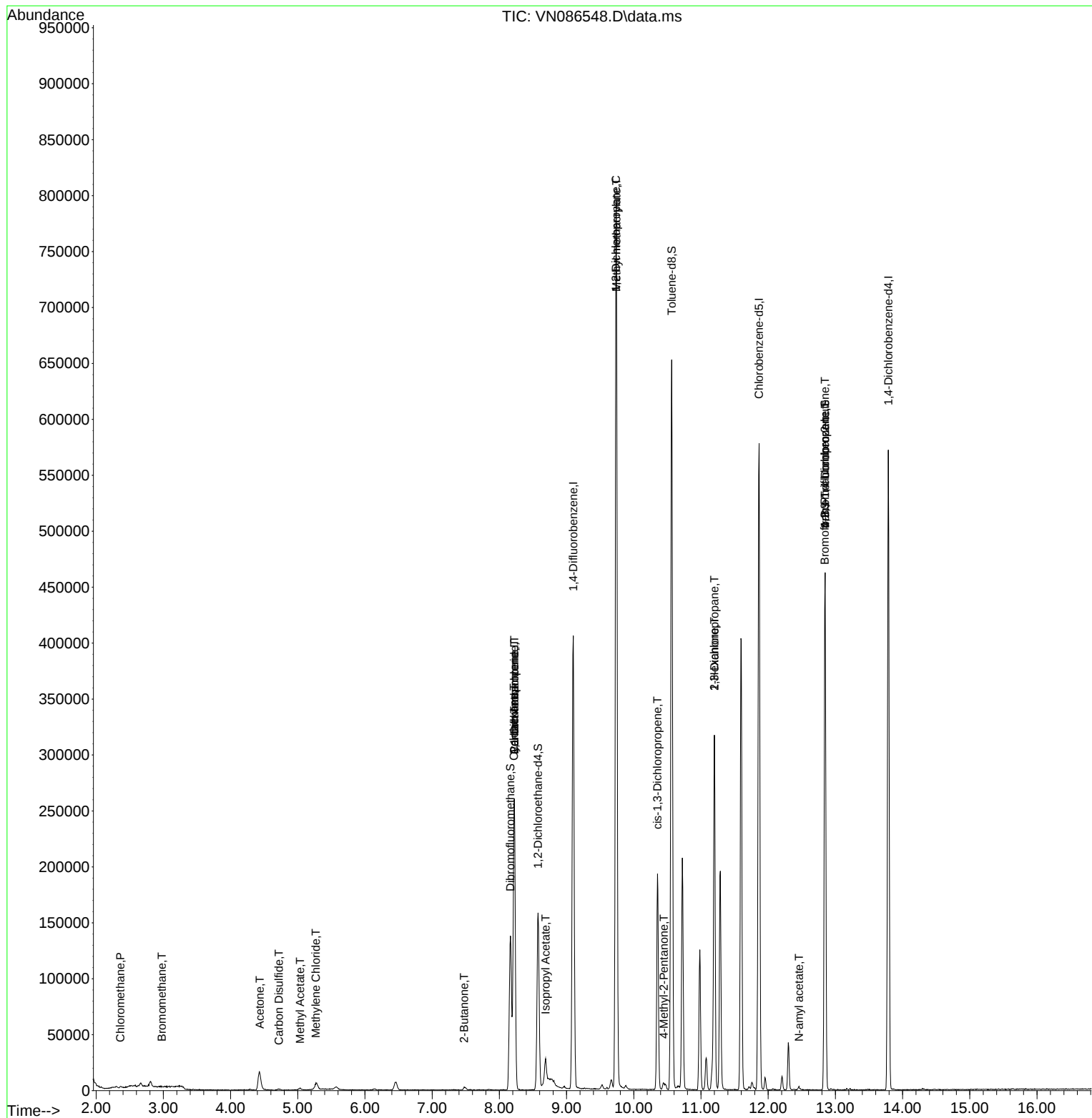
Internal Standards						
1) Pentafluorobenzene	8.224	168	196294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	364861	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	347190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	156309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	132755	46.639	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.280%			
35) Dibromofluoromethane	8.165	113	104011	61.423	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 122.840%			
50) Toluene-d8	10.565	98	462024	51.051	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.100%			
62) 4-Bromofluorobenzene	12.847	95	167620	50.779	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.560%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	1038	0.307	ug/l #	42
5) Bromomethane	2.977	94	393	0.271	ug/l #	65
16) Acetone	4.436	43	31734	27.159	ug/l	100
17) Carbon Disulfide	4.718	76	1731	0.250	ug/l #	74
18) Methyl Acetate	5.036	43	2933	0.858	ug/l #	87
20) Methylene Chloride	5.271	84	4816	1.830	ug/l	91
25) 2-Butanone	7.477	43	4872	2.750	ug/l	98
31) Cyclohexane	8.218	56	4381	0.950	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	15637	4.623	ug/l #	50
38) Carbon Tetrachloride	8.224	117	19898	6.178	ug/l #	16
43) Isopropyl Acetate	8.688	43	42122	4.813	ug/l #	77
45) 1,2-Dichloropropane	9.735	63	992	0.374	ug/l #	43
48) Methyl methacrylate	9.741	41	73363	23.461	ug/l #	42
51) 4-Methyl-2-Pentanone	10.447	43	4224	1.158	ug/l	96
54) cis-1,3-Dichloropropene	10.353	75	35771	7.993	ug/l #	61
57) 1,3-Dichloropropane	11.200	76	3378	0.783	ug/l #	43
59) 2-Hexanone	11.200	43	58895	21.776	ug/l #	43
71) Bromoform	12.841	173	986	0.512	ug/l #	1
74) N-amyl acetate	12.459	43	2947	0.463	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	83363	22.600	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	83363	54.276	ug/l #	10

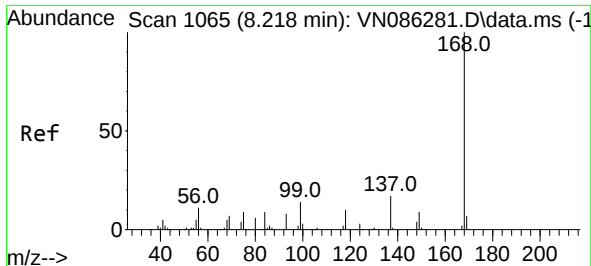
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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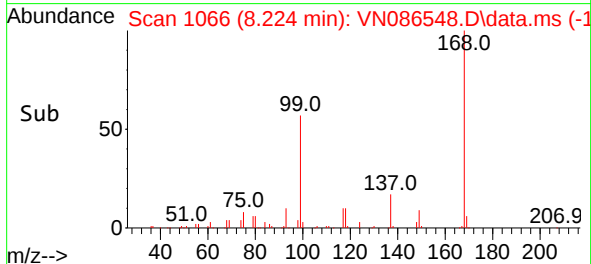
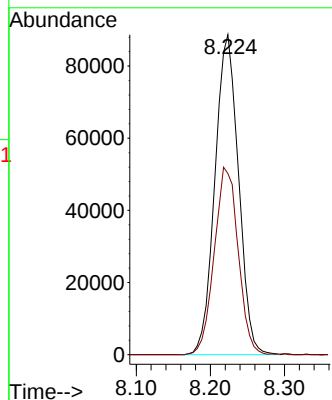
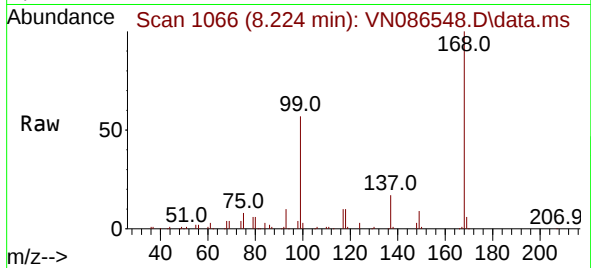




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086548.D
Acq: 08 May 2025 16:13

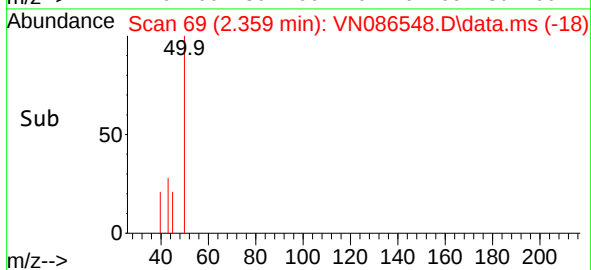
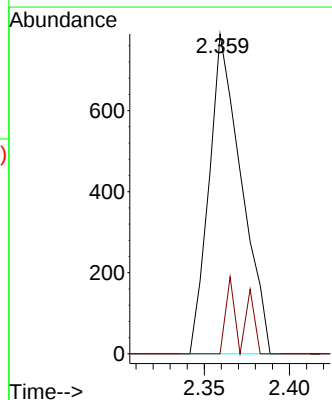
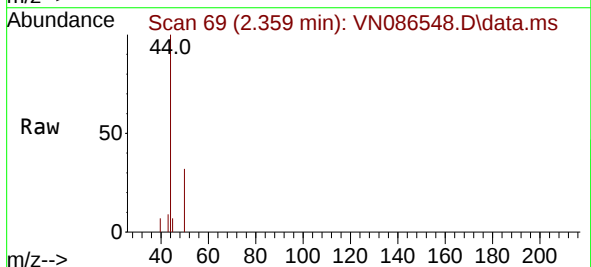
Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#06

Tgt Ion:168 Resp: 196294
Ion Ratio Lower Upper
168 100
99 56.6 52.5 78.7



#3
Chloromethane
Concen: 0.307 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086548.D
Acq: 08 May 2025 16:13

Tgt Ion: 50 Resp: 1038
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

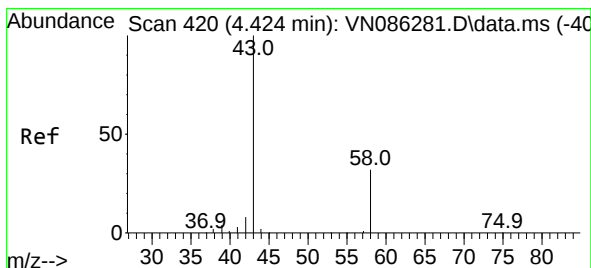
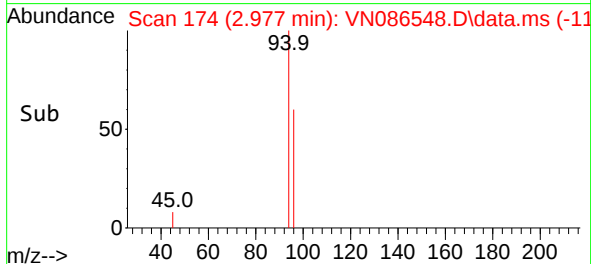
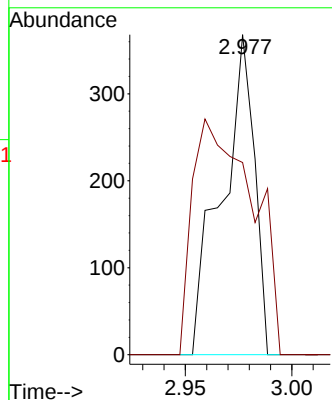
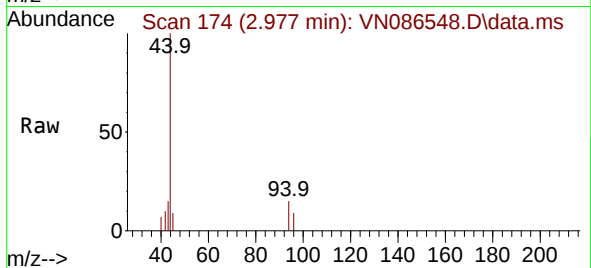




#5
Bromomethane
Concen: 0.271 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN086548.D
Acq: 08 May 2025 16:13

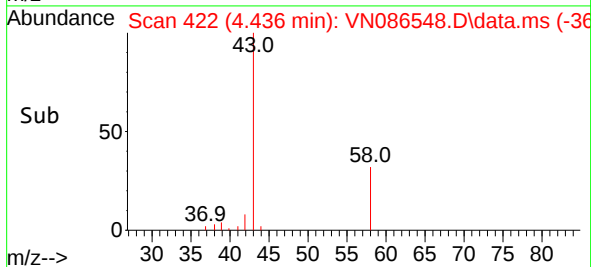
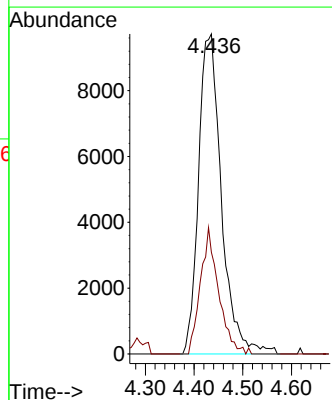
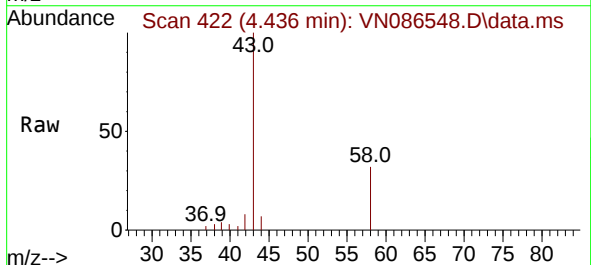
Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#06

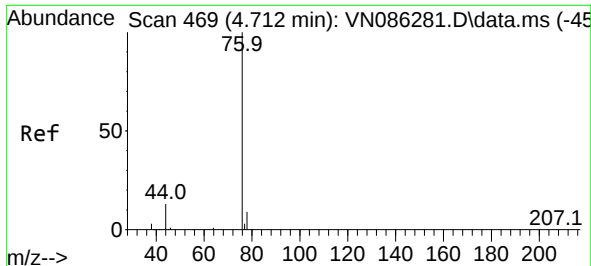
Tgt Ion: 94 Resp: 393
Ion Ratio Lower Upper
94 100
96 60.1 75.2 112.8#



#16
Acetone
Concen: 27.159 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN086548.D
Acq: 08 May 2025 16:13

Tgt Ion: 43 Resp: 31734
Ion Ratio Lower Upper
43 100
58 31.7 25.3 37.9

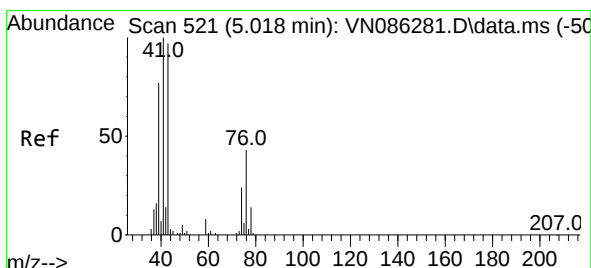
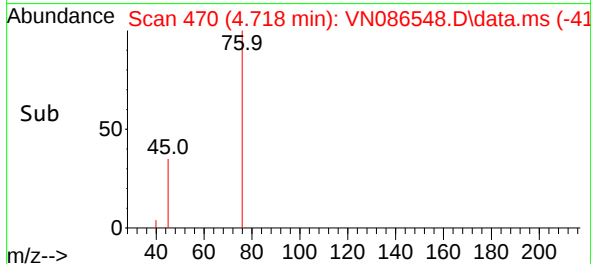
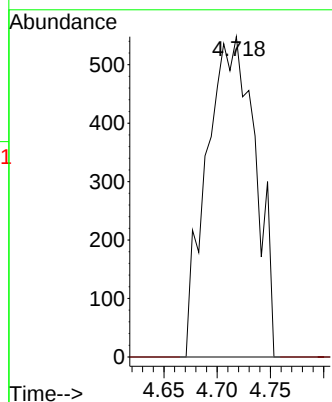
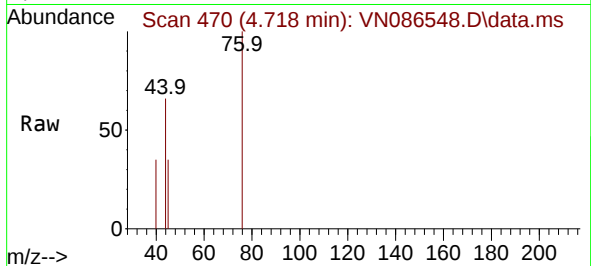




#17
Carbon Disulfide
Concen: 0.250 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086548.D
Acq: 08 May 2025 16:13

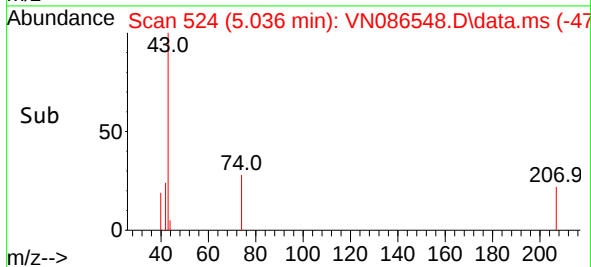
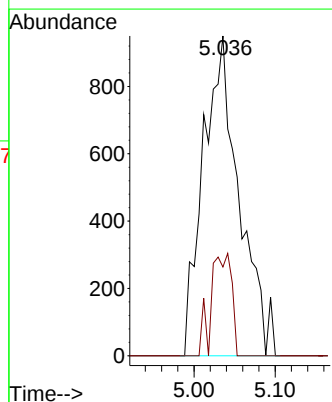
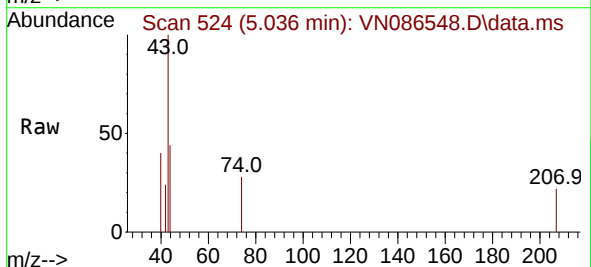
Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#06

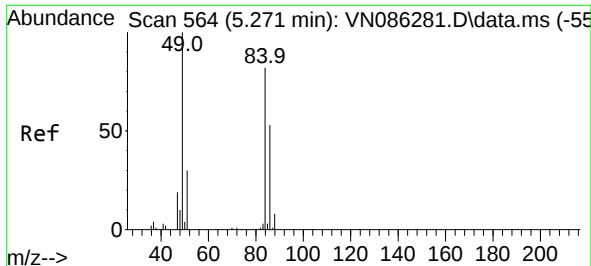
Tgt Ion: 76 Resp: 1731
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#18
Methyl Acetate
Concen: 0.858 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.017 min
Lab File: VN086548.D
Acq: 08 May 2025 16:13

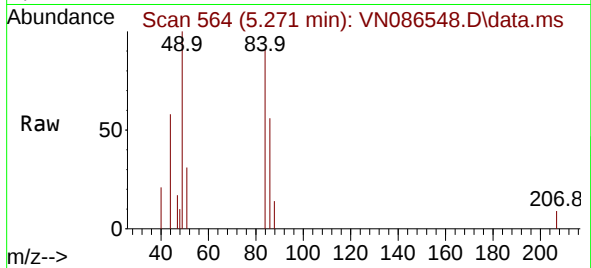
Tgt Ion: 43 Resp: 2933
Ion Ratio Lower Upper
43 100
74 18.3 19.8 29.6#



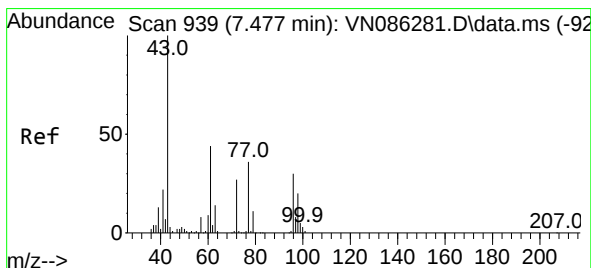
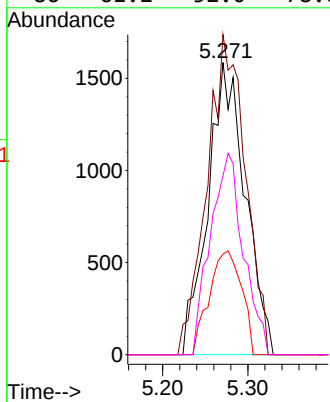
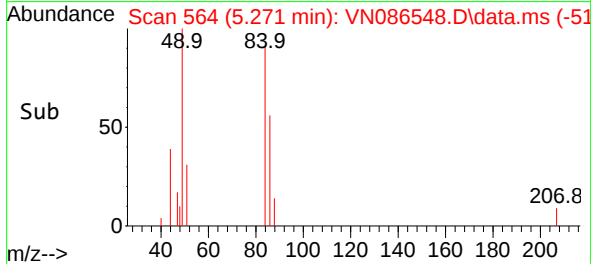


#20
Methylene Chloride
Concen: 1.830 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086548.D
Acq: 08 May 2025 16:13

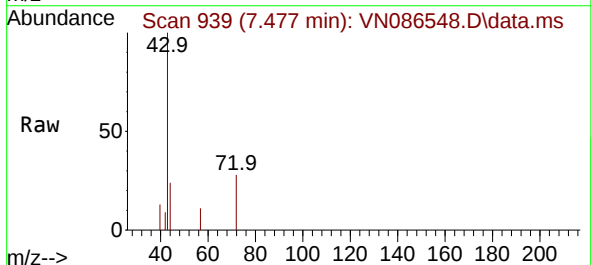
Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#06



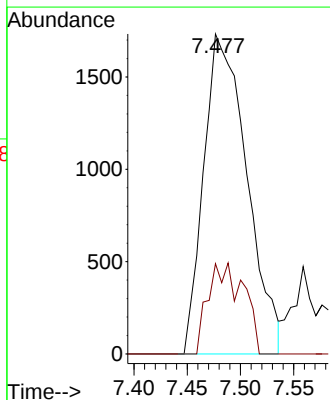
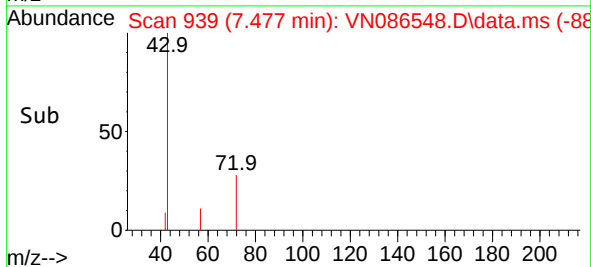
Tgt Ion:	84	Resp:	4816
Ion	Ratio	Lower	Upper
84	100		
49	109.5	98.2	147.2
51	34.4	29.8	44.6
86	61.2	52.0	78.0

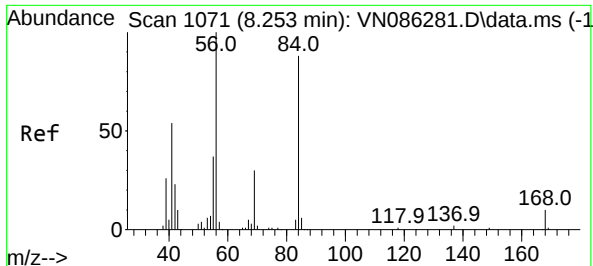


#25
2-Butanone
Concen: 2.750 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.000 min
Lab File: VN086548.D
Acq: 08 May 2025 16:13



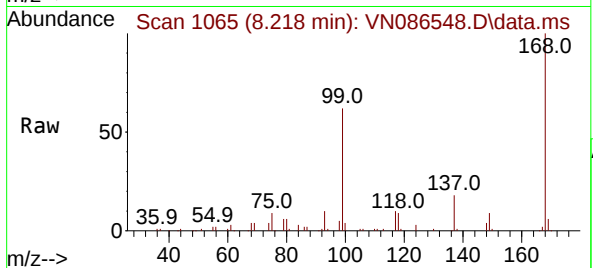
Tgt Ion:	43	Resp:	4872
Ion	Ratio	Lower	Upper
43	100		
72	28.2	21.7	32.5



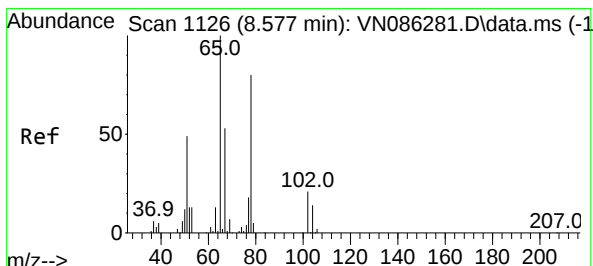
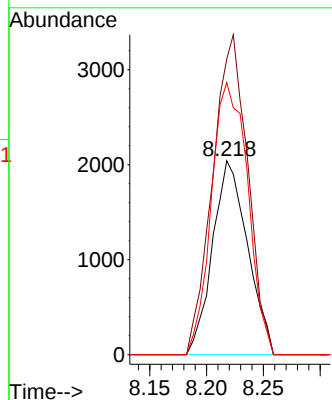
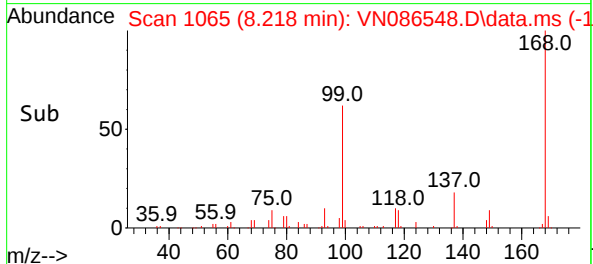


#31
Cyclohexane
Concen: 0.950 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086548.D
Acq: 08 May 2025 16:13

Instrument :
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ClientSampleId :
PB167895ZHE#06

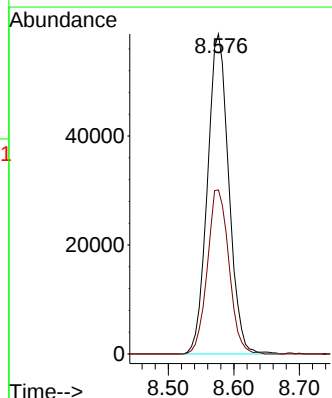
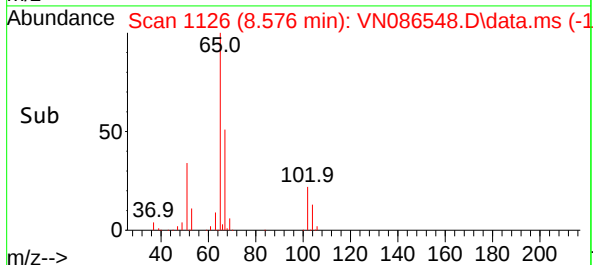
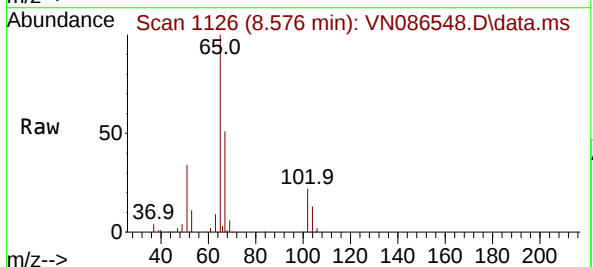


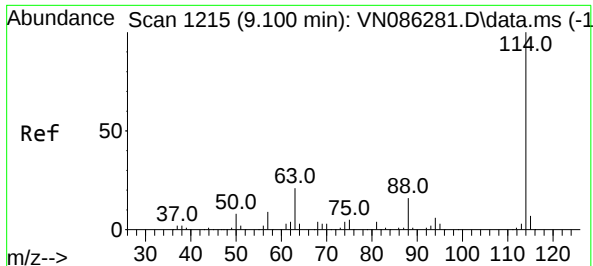
Tgt Ion: 56 Resp: 4381
Ion Ratio Lower Upper
56 100
69 152.4 24.2 36.2#
84 140.4 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 46.639 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086548.D
Acq: 08 May 2025 16:13

Tgt Ion: 65 Resp: 132755
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086548.D

Acq: 08 May 2025 16:13

Instrument :

MSVOA_N

ClientSampleId :

PB167895ZHE#06

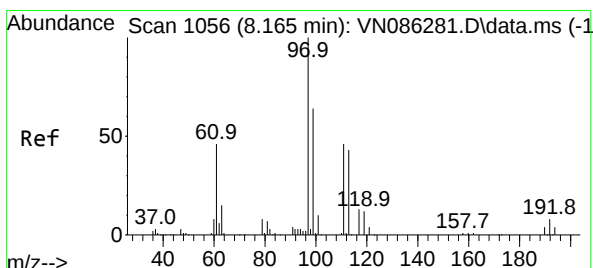
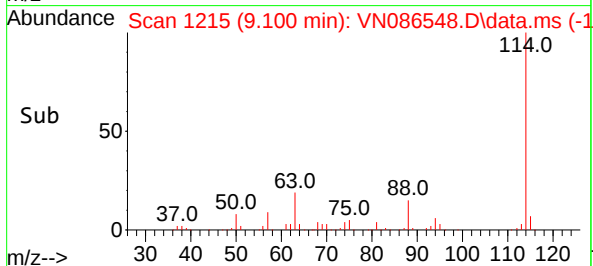
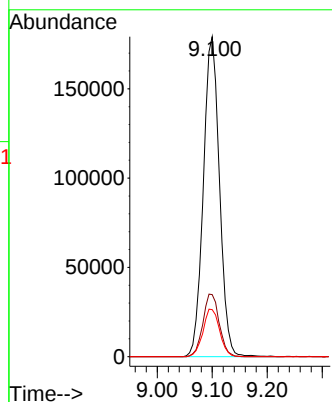
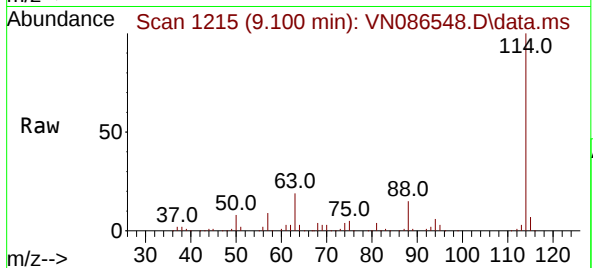
Tgt Ion:114 Resp: 364861

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

88 14.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 61.423 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086548.D

Acq: 08 May 2025 16:13

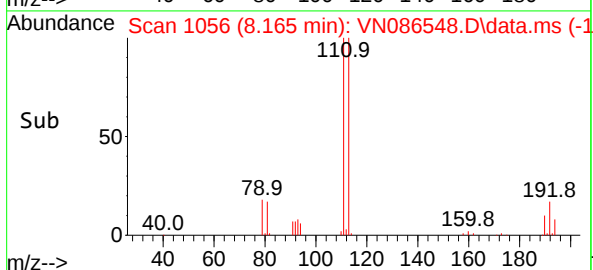
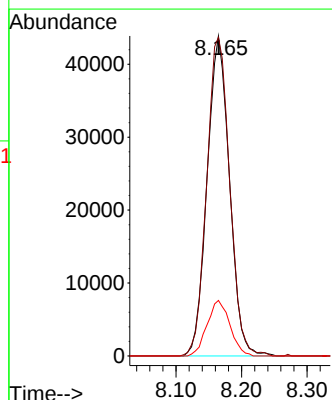
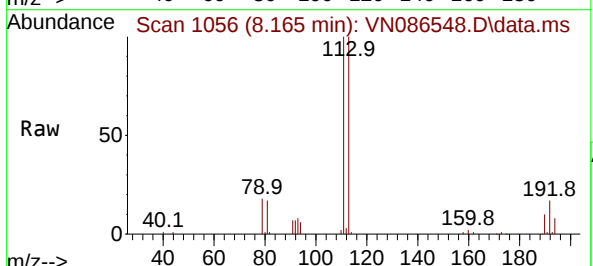
Tgt Ion:113 Resp: 104011

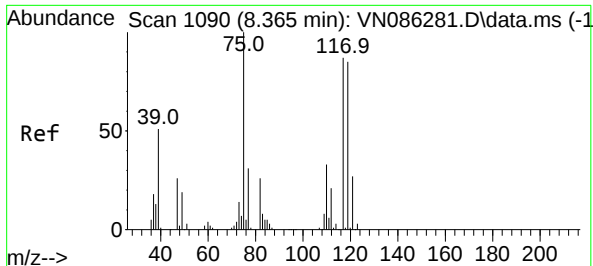
Ion Ratio Lower Upper

113 100

111 102.2 83.4 125.0

192 17.7 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.623 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086548.D

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PB167895ZHE#06

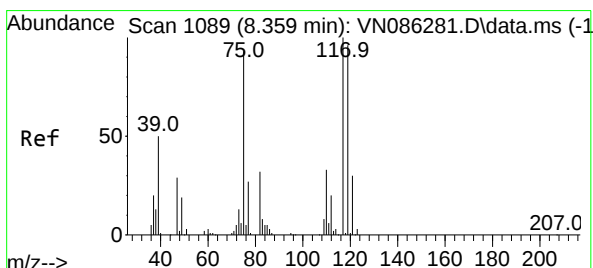
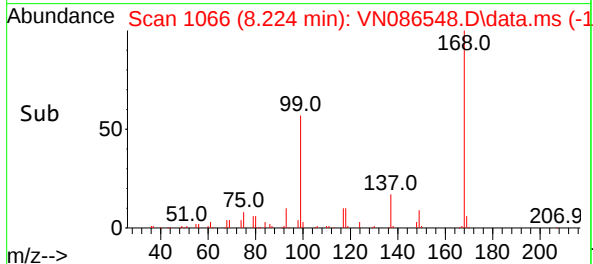
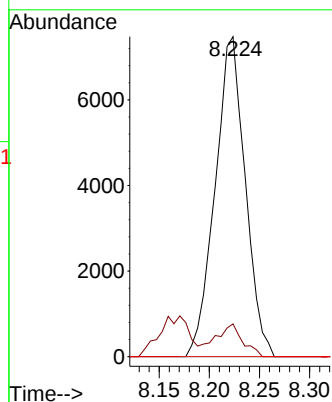
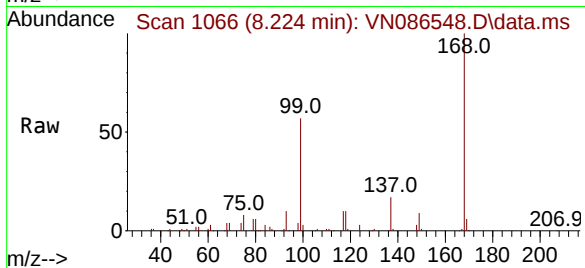
Tgt Ion: 75 Resp: 15637

Ion Ratio Lower Upper

75 100

110 8.8 16.8 50.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.178 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086548.D

Acq: 08 May 2025 16:13

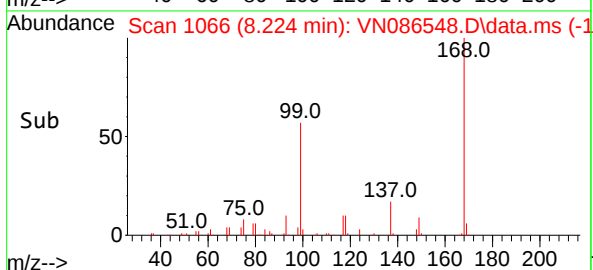
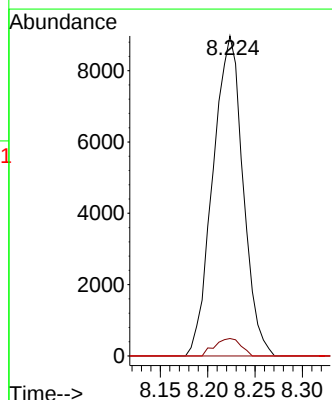
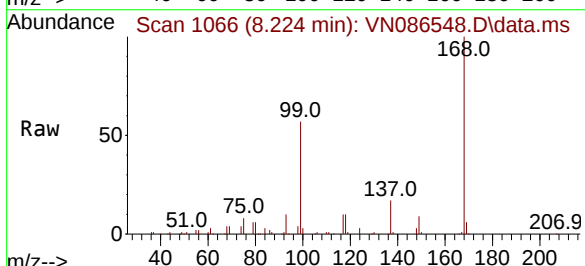
Tgt Ion: 117 Resp: 19898

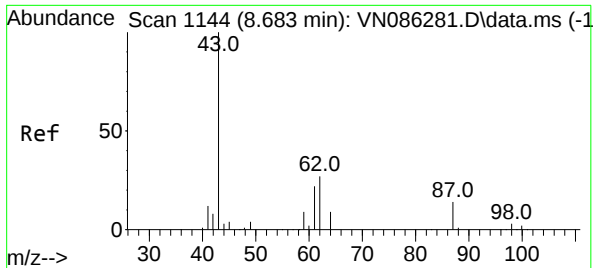
Ion Ratio Lower Upper

117 100

119 5.5 76.8 115.2#

121 0.0 23.8 35.8#

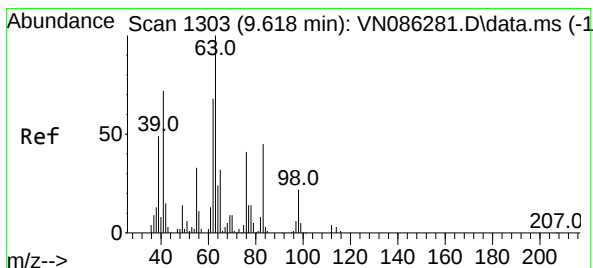
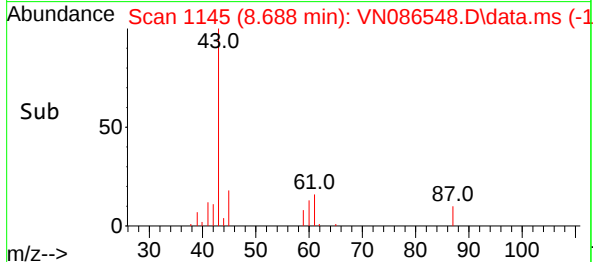
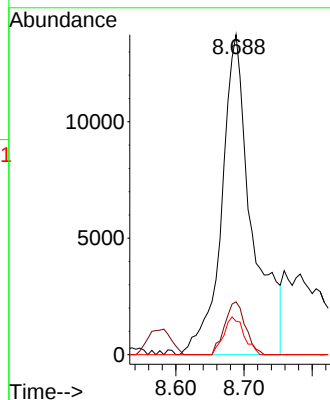
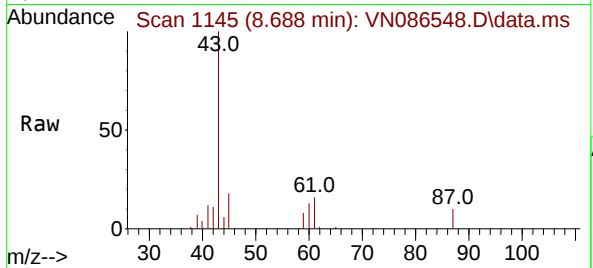




#43
Isopropyl Acetate
Concen: 4.813 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086548.D
Acq: 08 May 2025 16:13

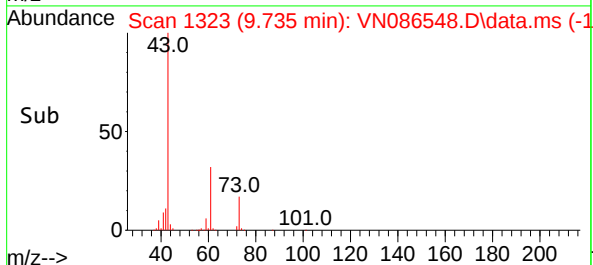
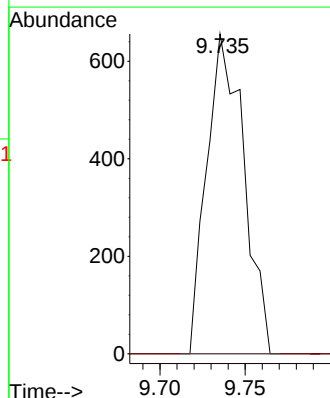
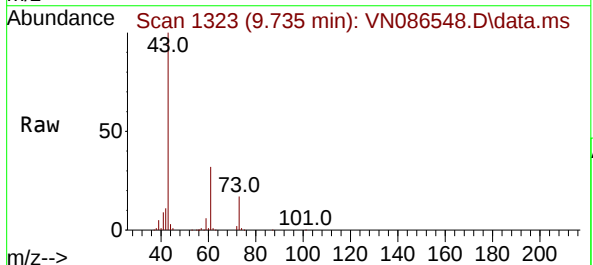
Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#06

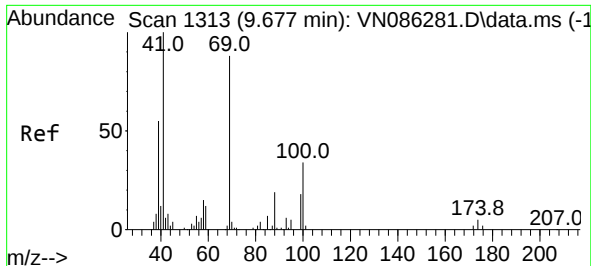
Tgt Ion: 43 Resp: 42122
Ion Ratio Lower Upper
43 100
61 11.4 20.5 30.7#
87 7.9 10.5 15.7#



#45
1,2-Dichloropropane
Concen: 0.374 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.117 min
Lab File: VN086548.D
Acq: 08 May 2025 16:13

Tgt Ion: 63 Resp: 992
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.2#





#48

Methyl methacrylate

Concen: 23.461 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.065 min

Lab File: VN086548.D

Acq: 08 May 2025 16:13

Instrument :

MSVOA_N

ClientSampleId :

PB167895ZHE#06

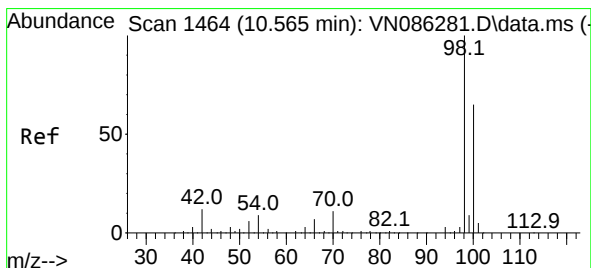
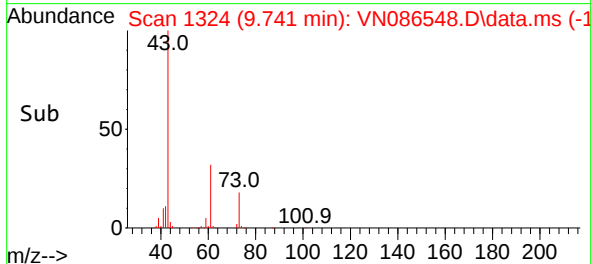
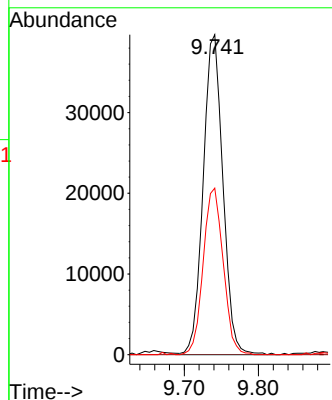
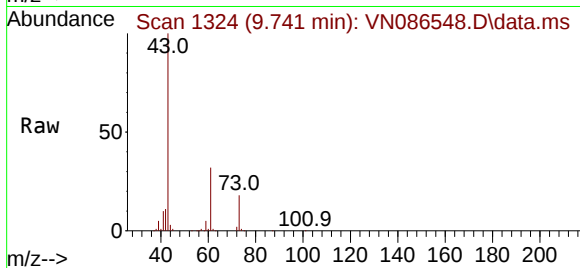
Tgt Ion: 41 Resp: 73363

Ion Ratio Lower Upper

41 100

69 0.0 68.2 102.2#

39 52.7 45.2 67.8



#50

Toluene-d8

Concen: 51.051 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086548.D

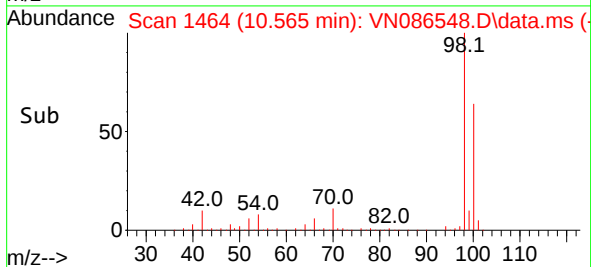
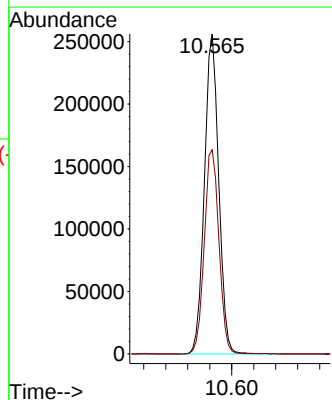
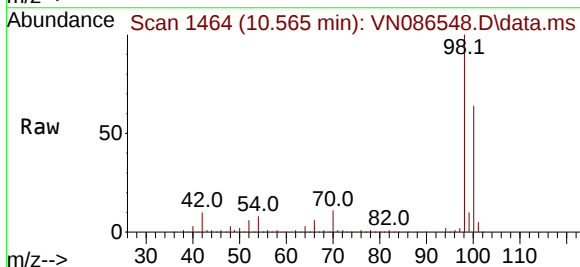
Acq: 08 May 2025 16:13

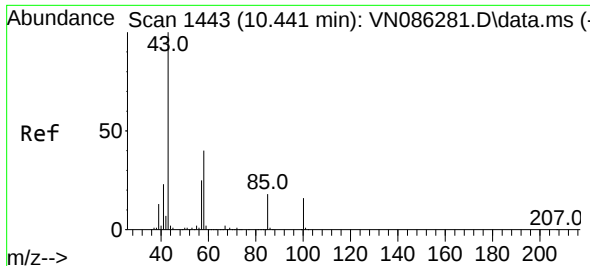
Tgt Ion: 98 Resp: 462024

Ion Ratio Lower Upper

98 100

100 65.5 52.5 78.7

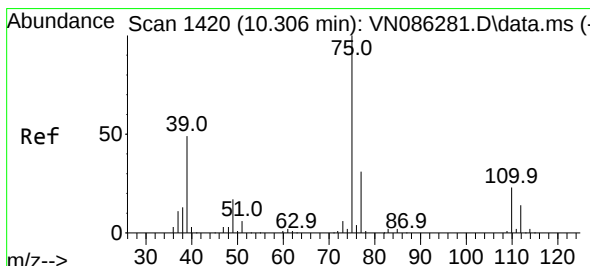
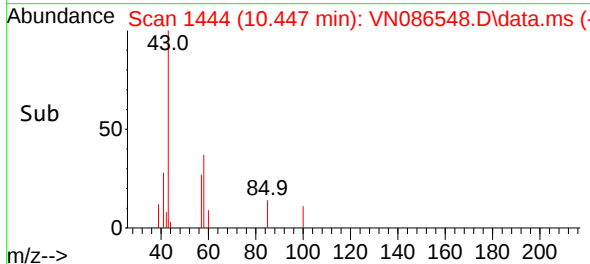
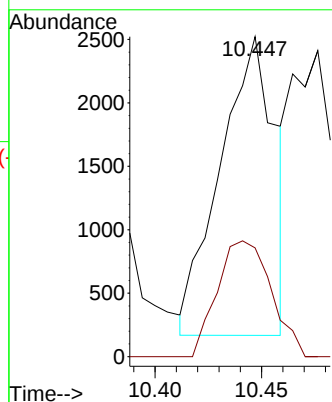
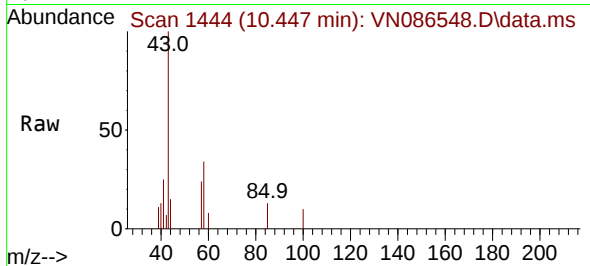




#51
4-Methyl-2-Pentanone
Concen: 1.158 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN086548.D
Acq: 08 May 2025 16:13

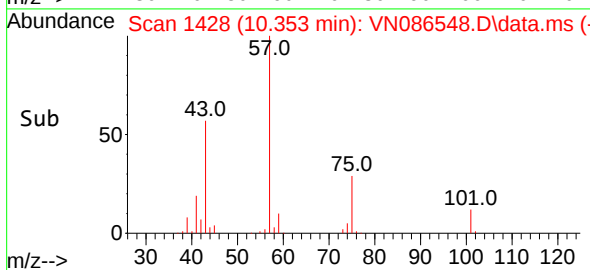
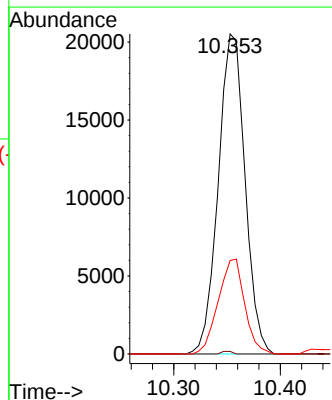
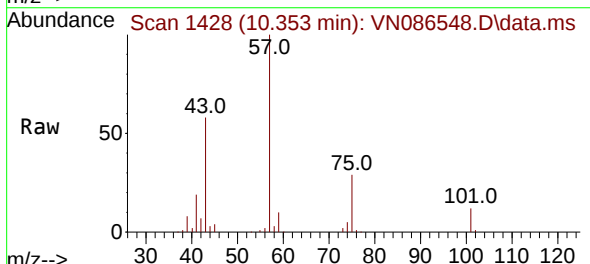
Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#06

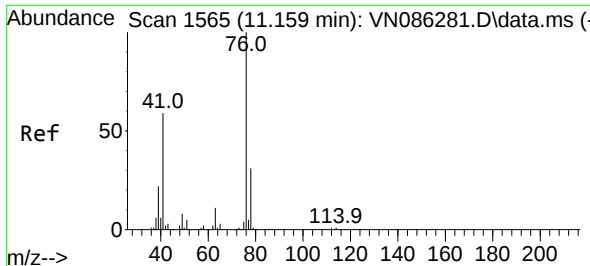
Tgt Ion: 43 Resp: 4224
Ion Ratio Lower Upper
43 100
58 38.1 32.2 48.4



#54
cis-1,3-Dichloropropene
Concen: 7.993 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN086548.D
Acq: 08 May 2025 16:13

Tgt Ion: 75 Resp: 35771
Ion Ratio Lower Upper
75 100
77 0.8 25.2 37.8#
39 29.2 39.3 58.9#





#57

1,3-Dichloropropane

Concen: 0.783 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN086548.D

Acq: 08 May 2025 16:13

Instrument :

MSVOA_N

ClientSampleId :

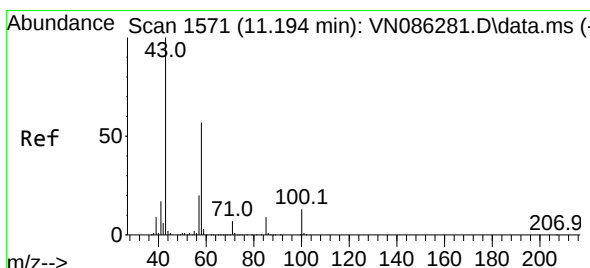
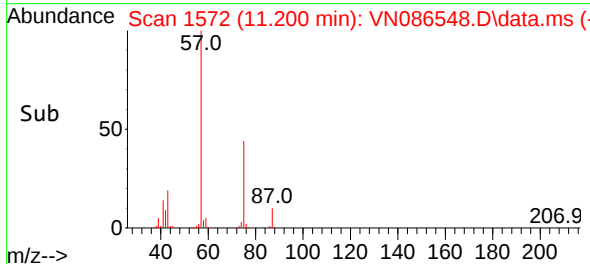
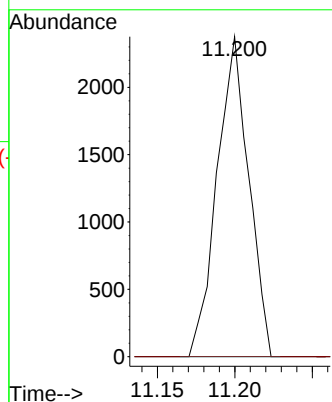
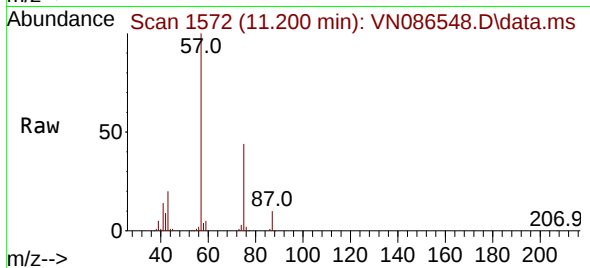
PB167895ZHE#06

Tgt Ion: 76 Resp: 3378

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 21.776 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086548.D

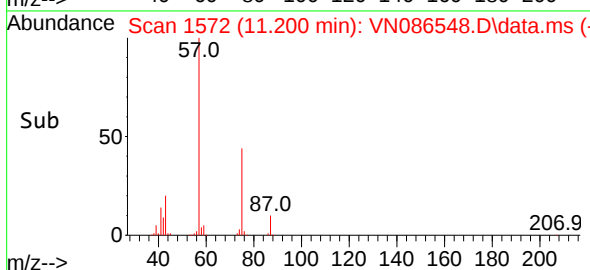
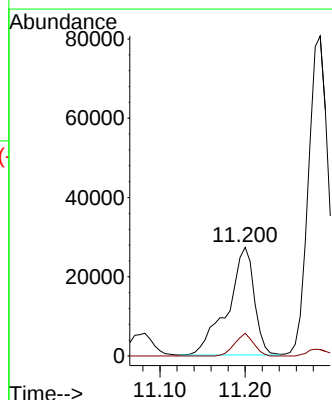
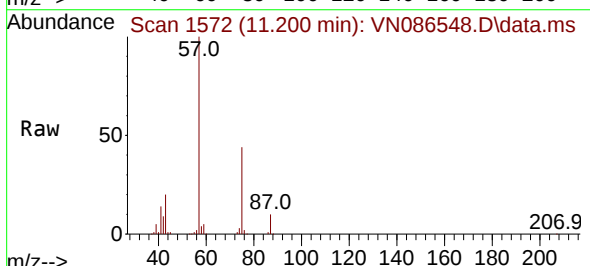
Acq: 08 May 2025 16:13

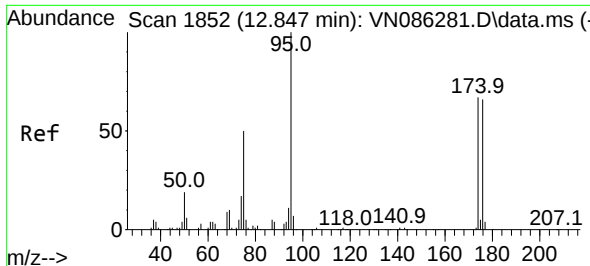
Tgt Ion: 43 Resp: 58895

Ion Ratio Lower Upper

43 100

58 14.8 28.3 85.0#

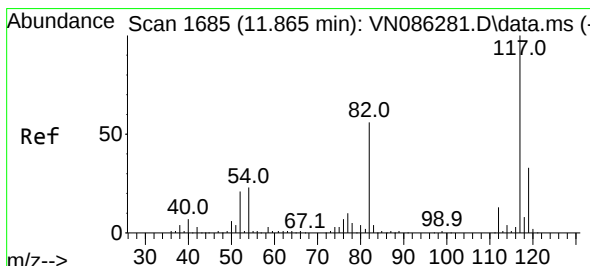
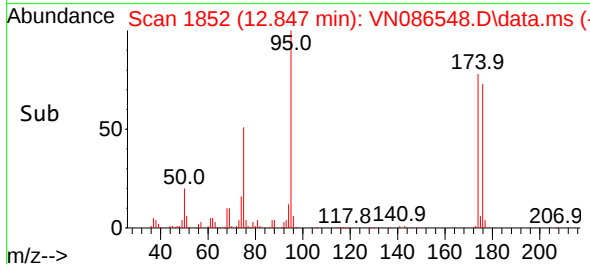
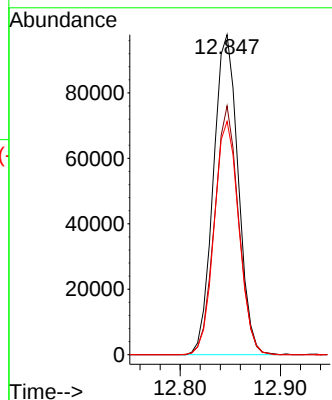
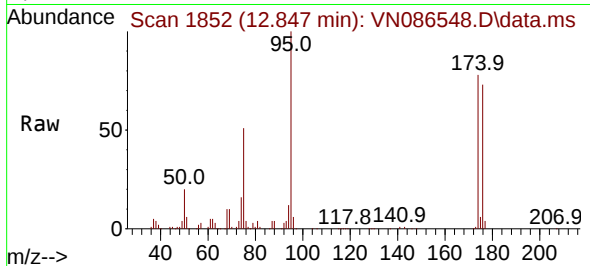




#62
4-Bromofluorobenzene
Concen: 50.779 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086548.D
Acq: 08 May 2025 16:13

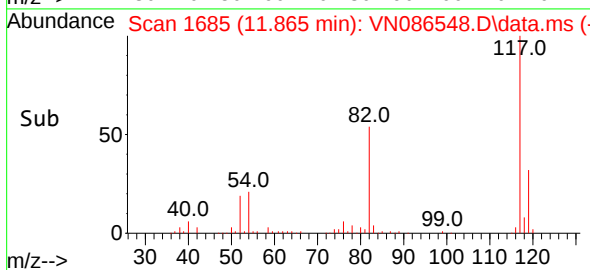
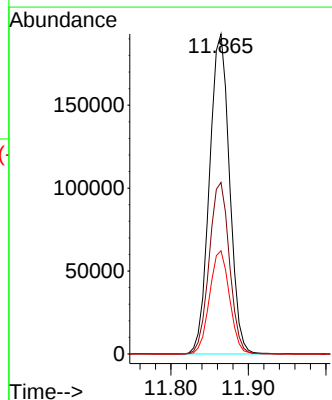
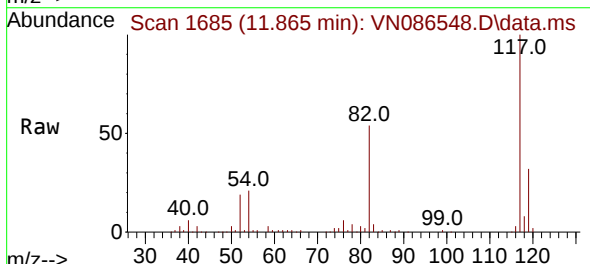
Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#06

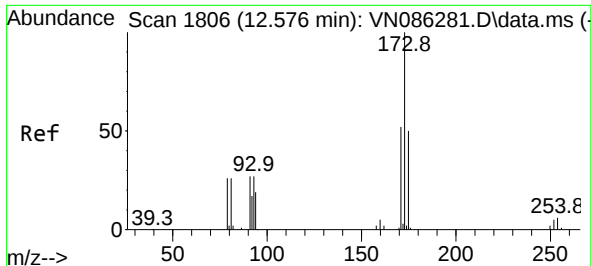
Tgt Ion: 95 Resp: 167620
Ion Ratio Lower Upper
95 100
174 75.3 0.0 133.4
176 72.5 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086548.D
Acq: 08 May 2025 16:13

Tgt Ion: 117 Resp: 347190
Ion Ratio Lower Upper
117 100
82 53.6 44.7 67.1
119 32.2 26.4 39.6

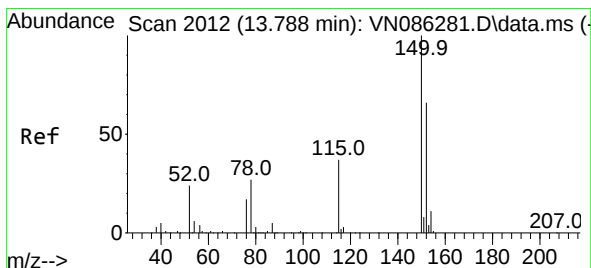
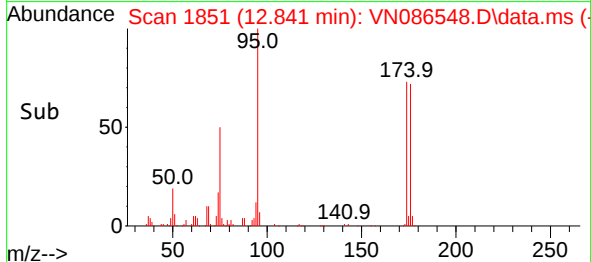
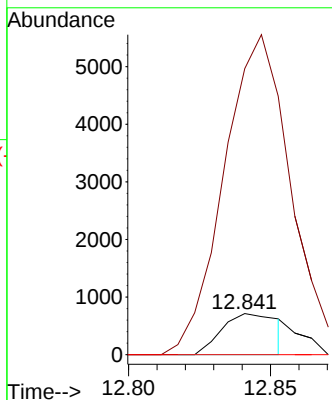
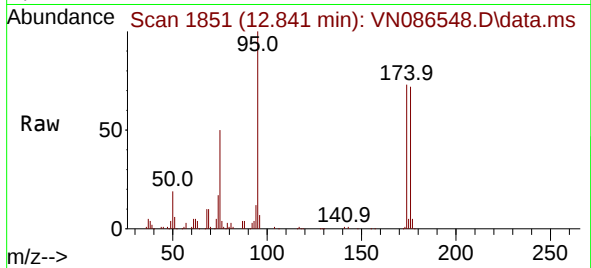




#71
Bromoform
Concen: 0.512 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN086548.D
Acq: 08 May 2025 16:13

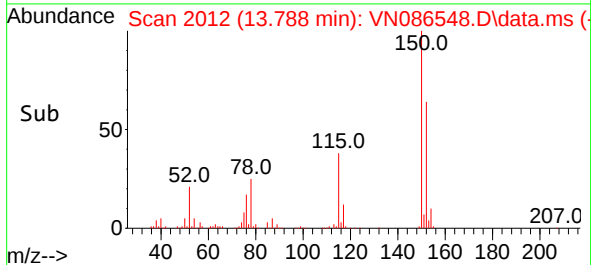
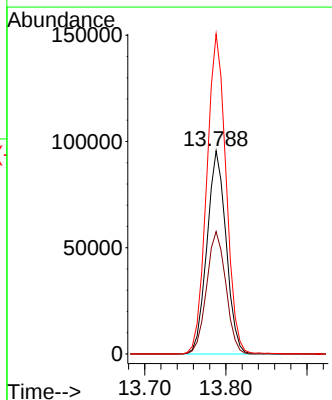
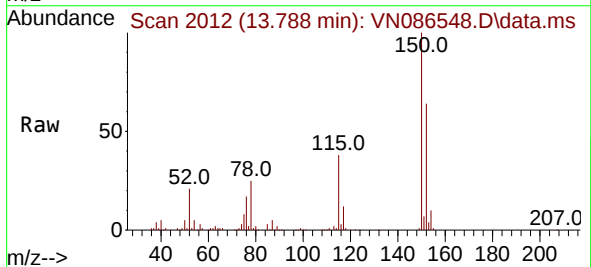
Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#06

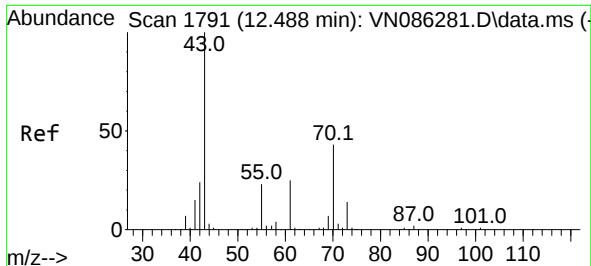
Tgt Ion:173 Resp: 986
Ion Ratio Lower Upper
173 100
175 764.5 24.6 73.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN086548.D
Acq: 08 May 2025 16:13

Tgt Ion:152 Resp: 156309
Ion Ratio Lower Upper
152 100
115 60.7 31.9 95.9
150 159.0 0.0 352.0

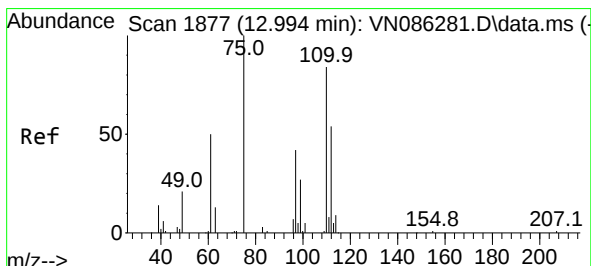
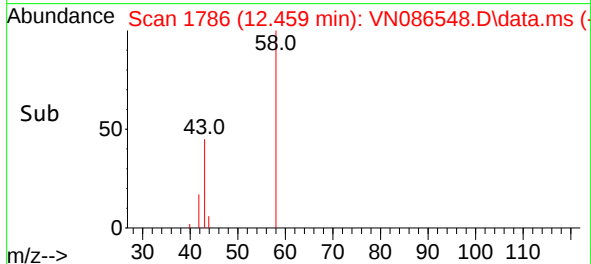
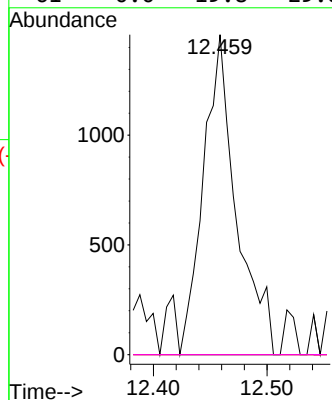
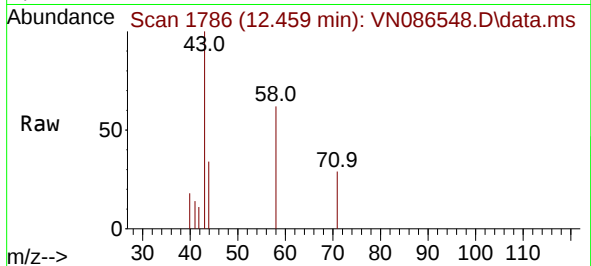




#74
N-amy1 acetate
Concen: 0.463 ug/l
RT: 12.459 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN086548.D
Acq: 08 May 2025 16:13

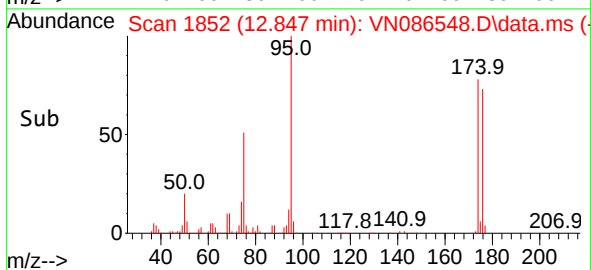
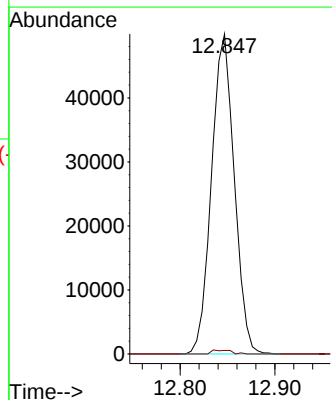
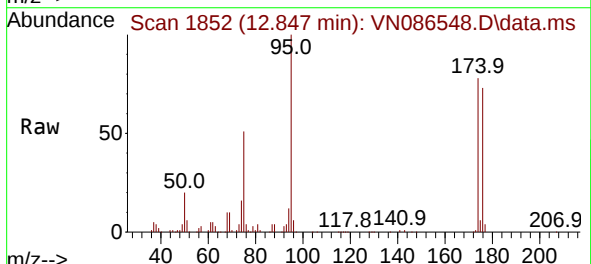
Instrument :
MSVOA_N
ClientSampleId :
PB167895ZHE#06

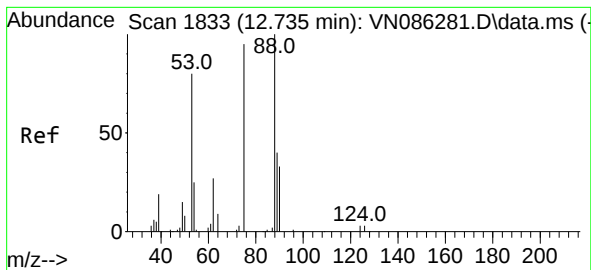
Tgt Ion: 43	Resp:	2947	
Ion	Ratio	Lower	Upper
43	100		
70	0.0	35.0	52.4#
55	0.0	19.0	28.4#
61	0.0	19.8	29.8#



#76
1,2,3-Trichloropropane
Concen: 22.600 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086548.D
Acq: 08 May 2025 16:13

Tgt Ion: 75	Resp:	83363	
Ion	Ratio	Lower	Upper
75	100		
77	1.0	98.8	296.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.276 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086548.D
 Acq: 08 May 2025 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167895ZHE#06

Tgt Ion: 75 Resp: 83363
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.2 118.8#
 89 0.0 35.7 53.5#

