

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051225\
 Data File : VN086583.D
 Acq On : 12 May 2025 16:05
 Operator : JC\MD
 Sample : PB167932ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167932ZHE#08

Quant Time: May 13 01:54:23 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)

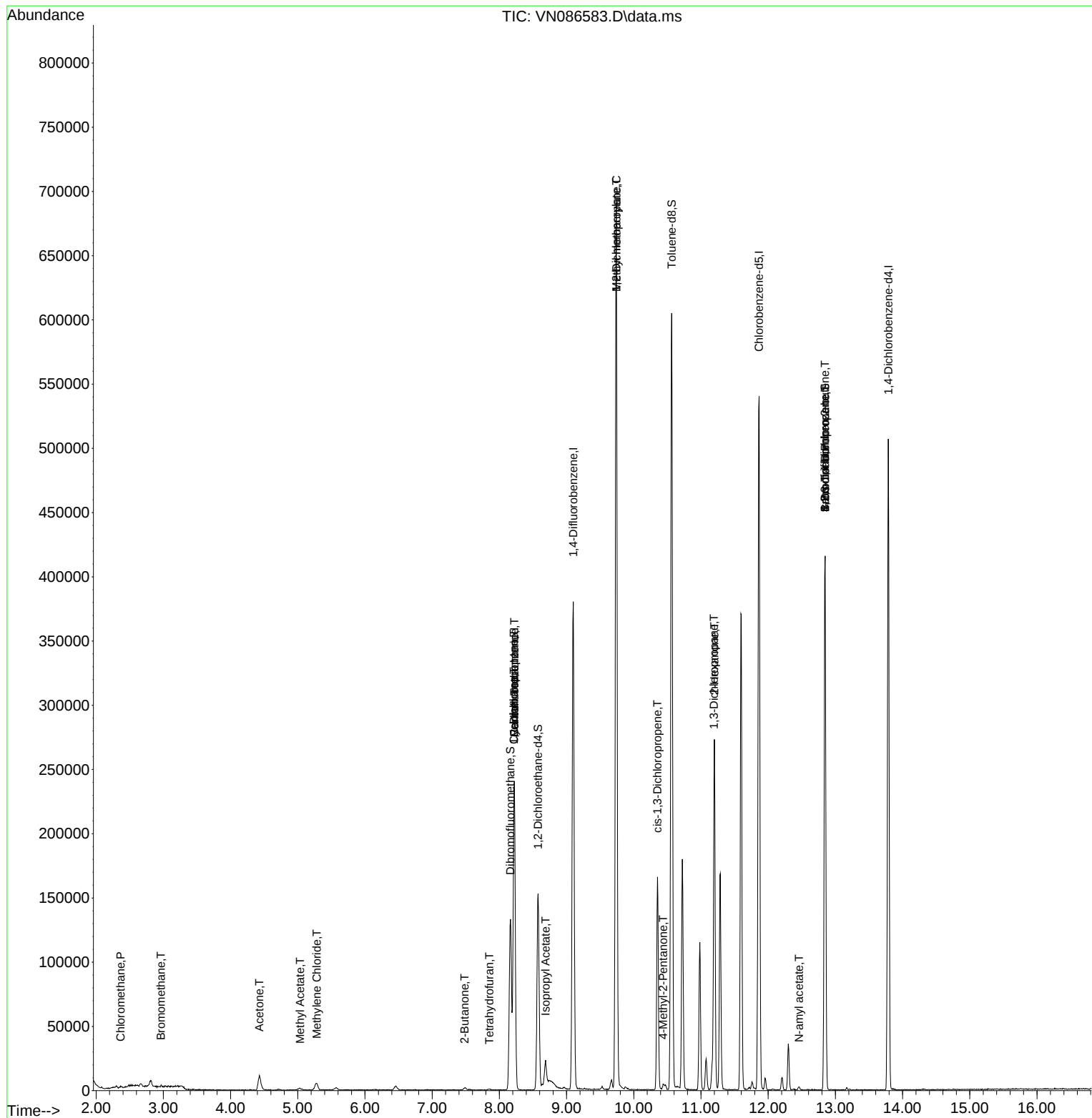
Internal Standards						
1) Pentafluorobenzene	8.224	168	180857	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	340176	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	325658	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	136621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	126519	48.242	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.480%
35) Dibromofluoromethane	8.165	113	101367	64.205	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	128.420%#
50) Toluene-d8	10.565	98	432991	51.315	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.640%
62) 4-Bromofluorobenzene	12.847	95	153326	49.819	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.640%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	624	0.200	ug/l #	79
5) Bromomethane	2.965	94	382	0.286	ug/l	85
16) Acetone	4.430	43	22171	19.182	ug/l	99
18) Methyl Acetate	5.036	43	3159	1.003	ug/l #	73
20) Methylene Chloride	5.283	84	4405	1.817	ug/l #	82
25) 2-Butanone	7.483	43	3440	2.107	ug/l	96
29) Tetrahydrofuran	7.853	42	662	0.606	ug/l #	48
31) Cyclohexane	8.218	56	3956	0.931	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14817	4.699	ug/l #	49
38) Carbon Tetrachloride	8.224	117	17888	5.957	ug/l #	16
43) Isopropyl Acetate	8.688	43	30406	3.300	ug/l #	81
45) 1,2-Dichloropropane	9.741	63	929	0.376	ug/l #	43
48) Methyl methacrylate	9.741	41	61114	20.962	ug/l #	43
51) 4-Methyl-2-Pentanone	10.435	43	3842	1.130	ug/l #	81
54) cis-1,3-Dichloropropene	10.353	75	31390	7.523	ug/l #	56
57) 1,3-Dichloropropane	11.194	76	2780	0.691	ug/l #	43
59) 2-Hexanone	11.200	43	51695	20.501	ug/l #	43
71) Bromoform	12.847	173	870	0.482	ug/l #	1
74) N-amyl acetate	12.459	43	2314	0.416	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	76758	23.808	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76758	57.178	ug/l #	10

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

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Quant Title : SW846 8260
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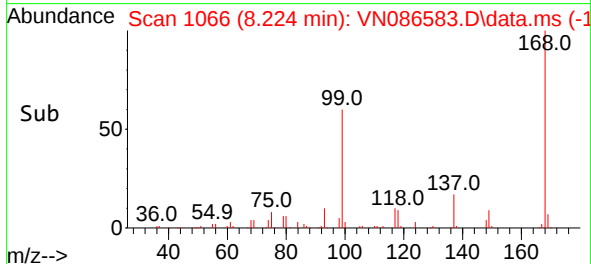
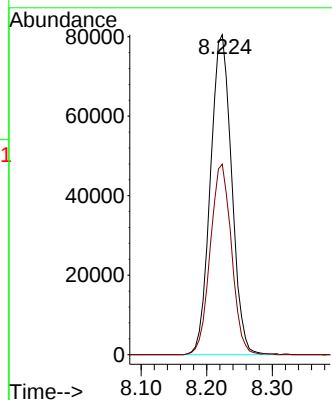
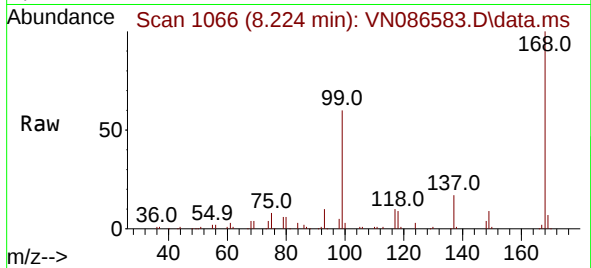




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086583.D
Acq: 12 May 2025 16:05

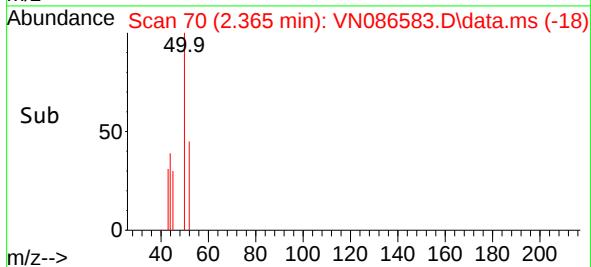
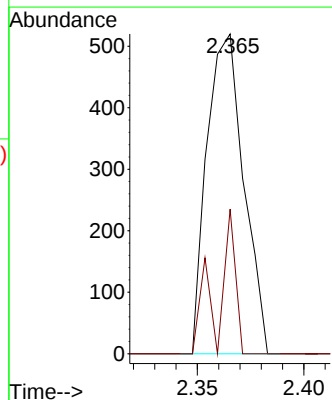
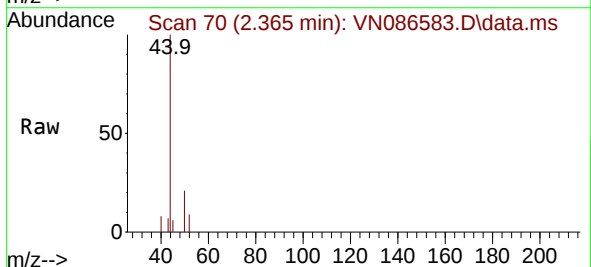
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#08

Tgt Ion:168 Resp: 180857
Ion Ratio Lower Upper
168 100
99 59.6 52.5 78.7



#3
Chloromethane
Concen: 0.200 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086583.D
Acq: 12 May 2025 16:05

Tgt Ion: 50 Resp: 624
Ion Ratio Lower Upper
50 100
52 45.2 26.5 39.7#

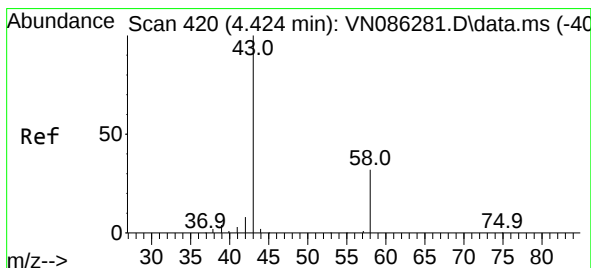
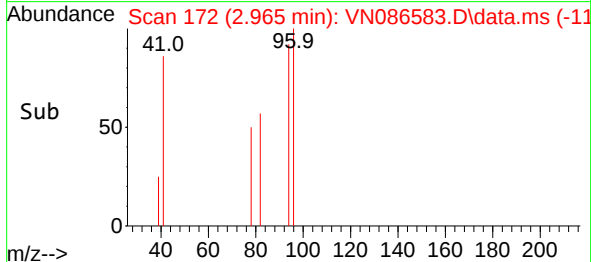
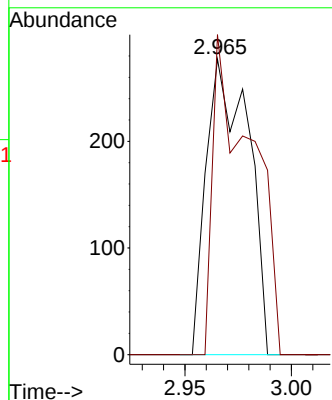
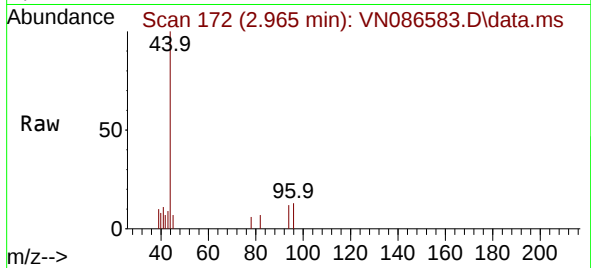




#5
Bromomethane
Concen: 0.286 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN086583.D
Acq: 12 May 2025 16:05

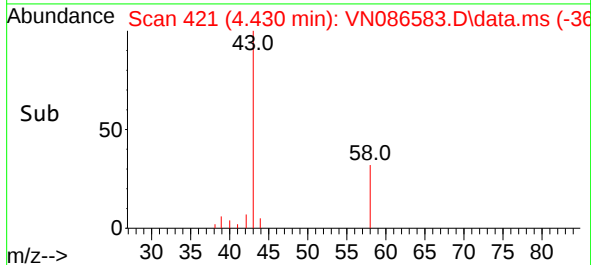
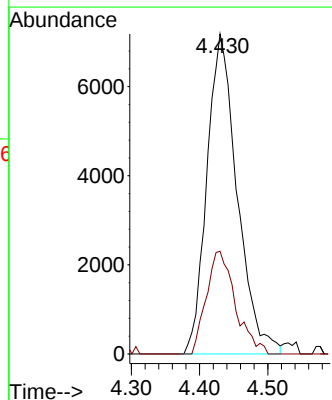
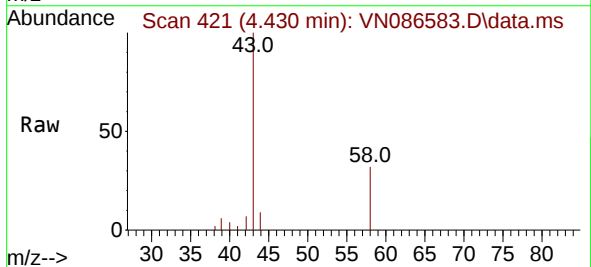
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#08

Tgt Ion: 94 Resp: 382
Ion Ratio Lower Upper
94 100
96 108.3 75.2 112.8



#16
Acetone
Concen: 19.182 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086583.D
Acq: 12 May 2025 16:05

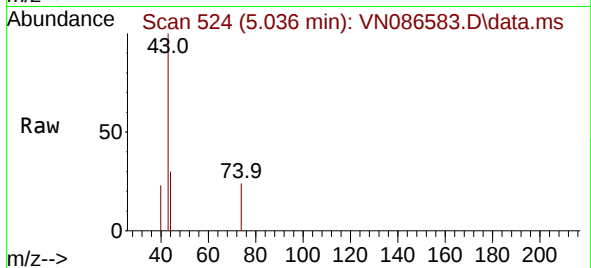
Tgt Ion: 43 Resp: 22171
Ion Ratio Lower Upper
43 100
58 32.1 25.3 37.9



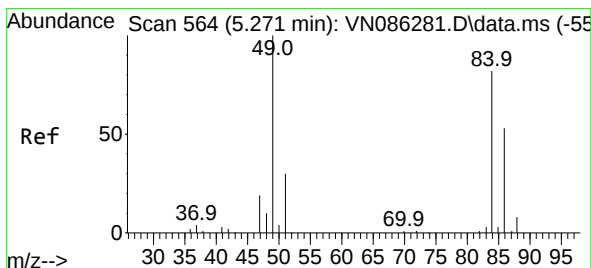
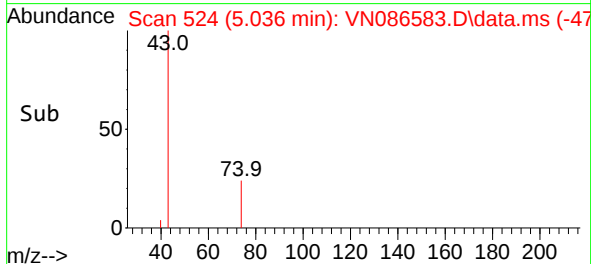
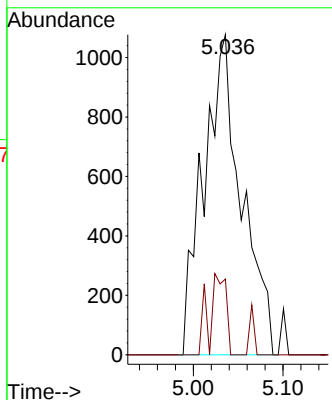


#18
Methyl Acetate
Concen: 1.003 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN086583.D
Acq: 12 May 2025 16:05

Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#08

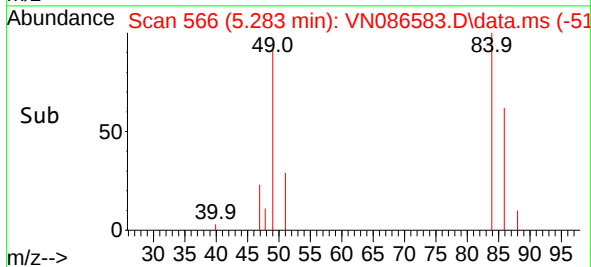
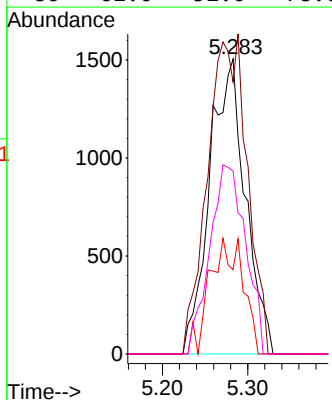
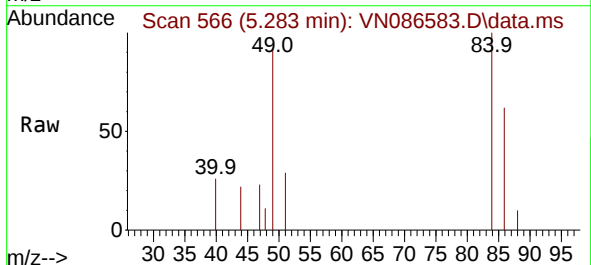


Tgt Ion: 43 Resp: 3159
Ion Ratio Lower Upper
43 100
74 11.2 19.8 29.6#



#20
Methylene Chloride
Concen: 1.817 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN086583.D
Acq: 12 May 2025 16:05

Tgt Ion: 84 Resp: 4405
Ion Ratio Lower Upper
84 100
49 92.2 98.2 147.2#
51 28.6 29.8 44.6#
86 62.0 52.0 78.0

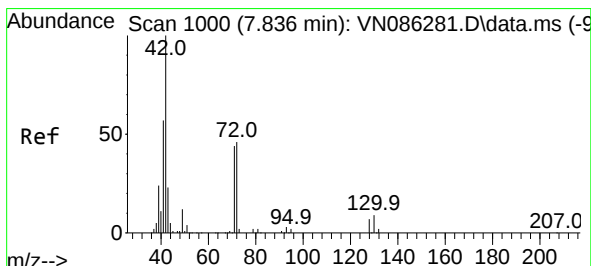
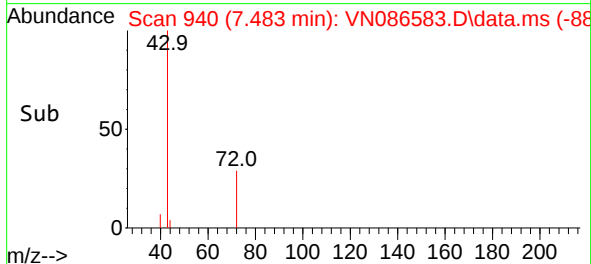
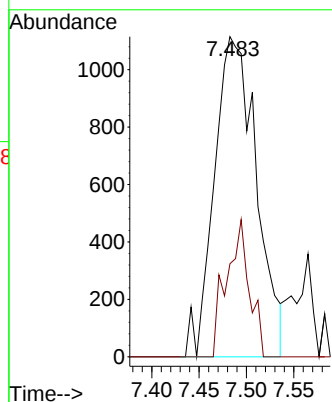
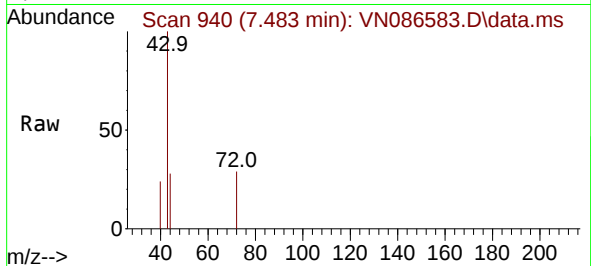




#25
2-Butanone
Concen: 2.107 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN086583.D
Acq: 12 May 2025 16:05

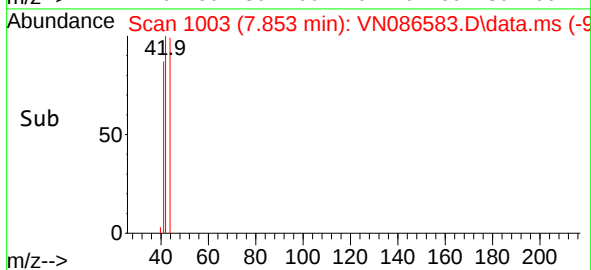
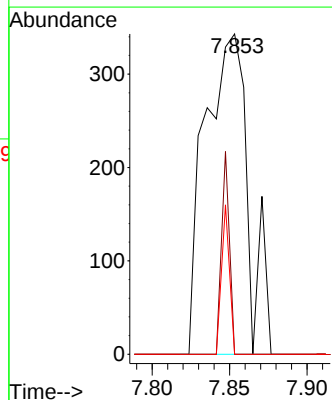
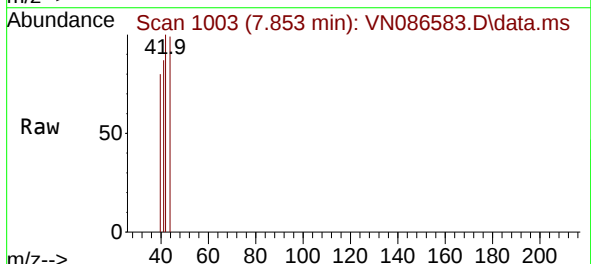
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#08

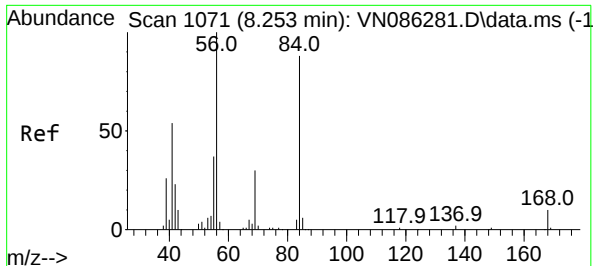
Tgt Ion: 43 Resp: 3440
Ion Ratio Lower Upper
43 100
72 29.1 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.606 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN086583.D
Acq: 12 May 2025 16:05

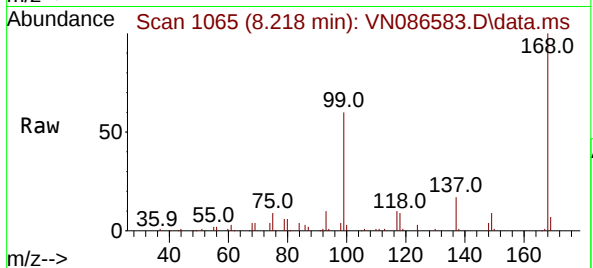
Tgt Ion: 42 Resp: 662
Ion Ratio Lower Upper
42 100
72 11.6 36.2 54.4#
71 8.5 34.0 51.0#



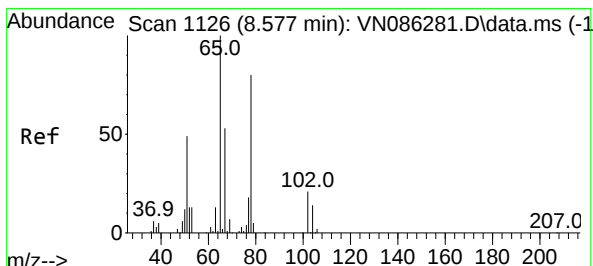
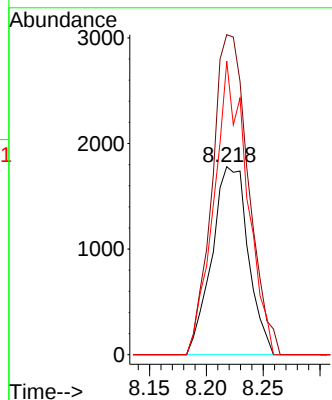
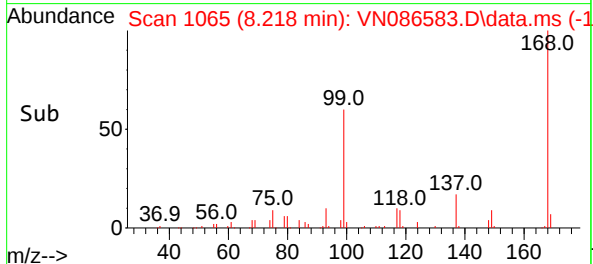


#31
Cyclohexane
Concen: 0.931 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086583.D
Acq: 12 May 2025 16:05

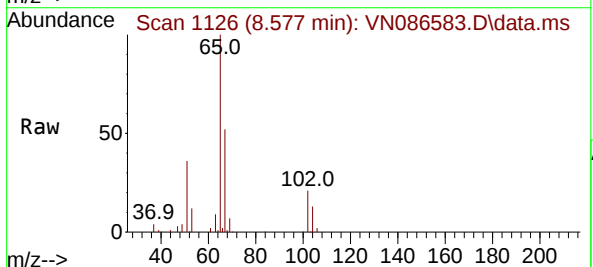
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#08



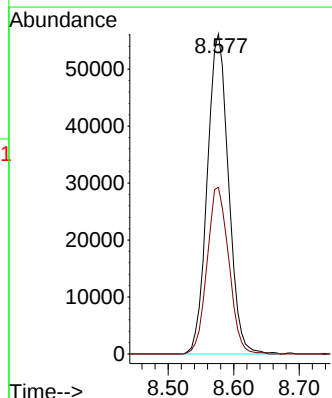
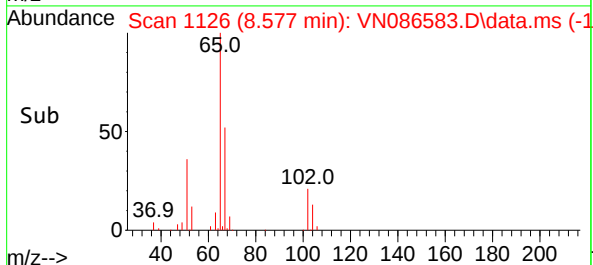
Tgt Ion: 56 Resp: 3956
Ion Ratio Lower Upper
56 100
69 170.2 24.2 36.2#
84 156.1 70.3 105.5#

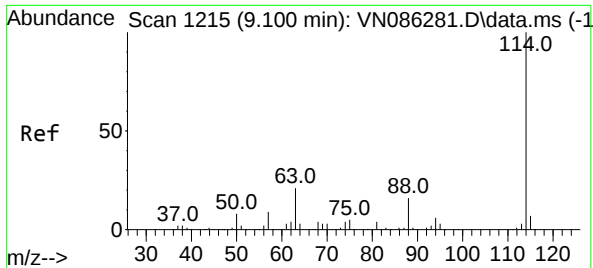


#33
1,2-Dichloroethane-d4
Concen: 48.242 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086583.D
Acq: 12 May 2025 16:05



Tgt Ion: 65 Resp: 126519
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.0

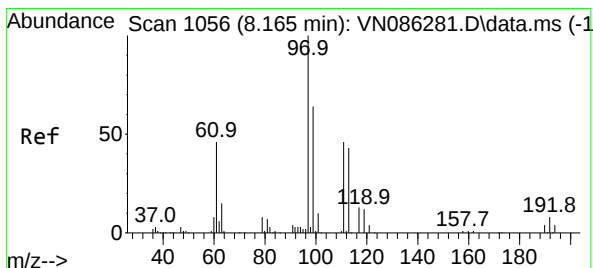
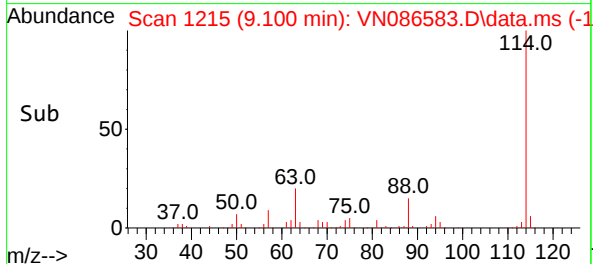
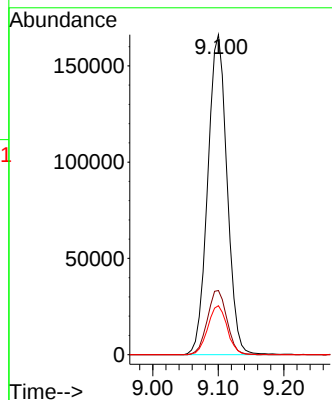
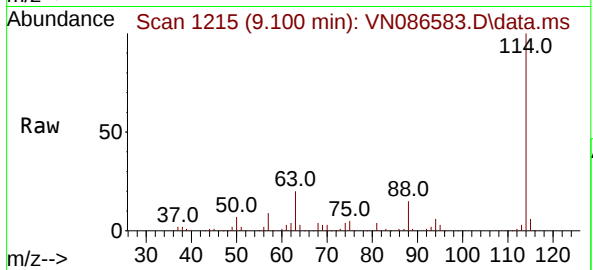




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086583.D
Acq: 12 May 2025 16:05

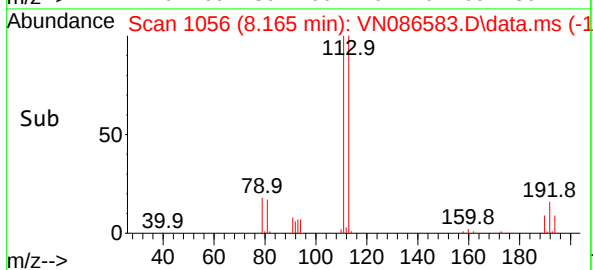
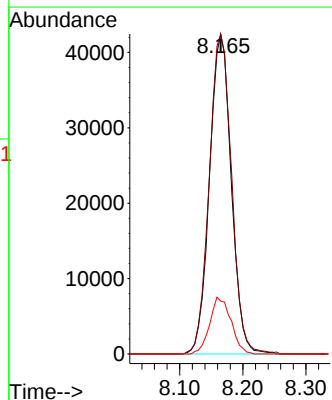
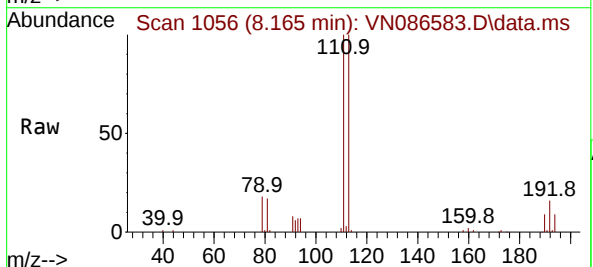
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#08

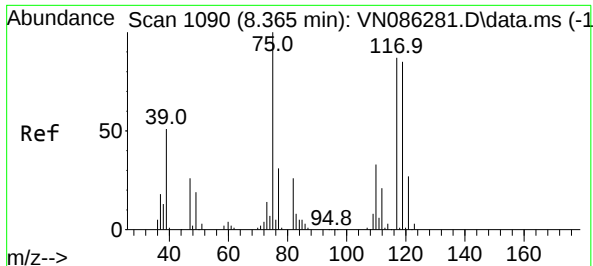
Tgt Ion:114 Resp: 340176
Ion Ratio Lower Upper
114 100
63 20.0 0.0 42.6
88 15.3 0.0 31.8



#35
Dibromofluoromethane
Concen: 64.205 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086583.D
Acq: 12 May 2025 16:05

Tgt Ion:113 Resp: 101367
Ion Ratio Lower Upper
113 100
111 102.8 83.4 125.0
192 17.4 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.699 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086583.D

Acq: 12 May 2025 16:05

Instrument :

MSVOA_N

ClientSampleId :

PB167932ZHE#08

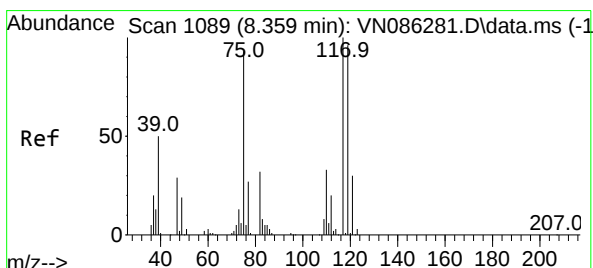
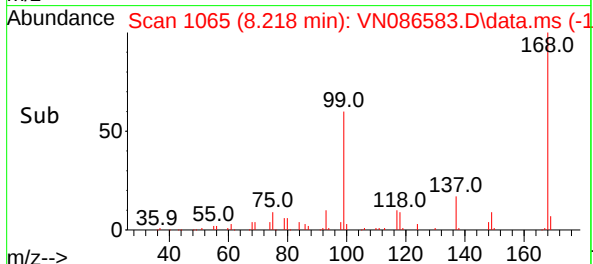
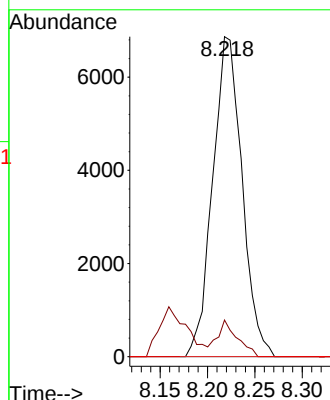
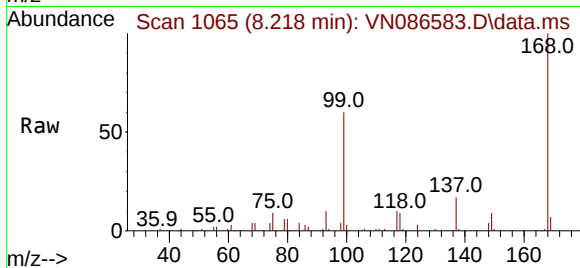
Tgt Ion: 75 Resp: 14817

Ion Ratio Lower Upper

75 100

110 7.8 16.8 50.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.957 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086583.D

Acq: 12 May 2025 16:05

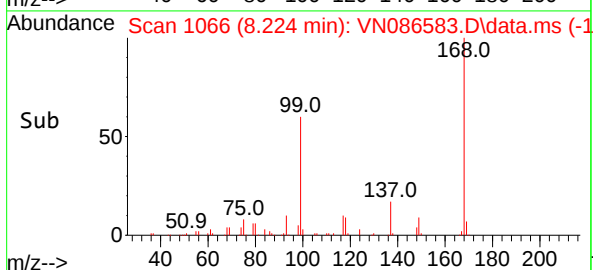
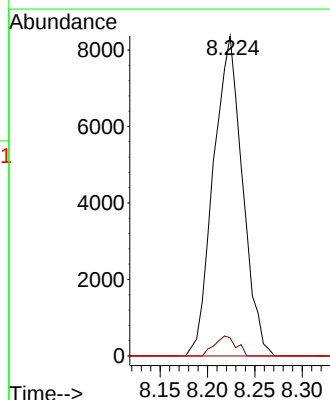
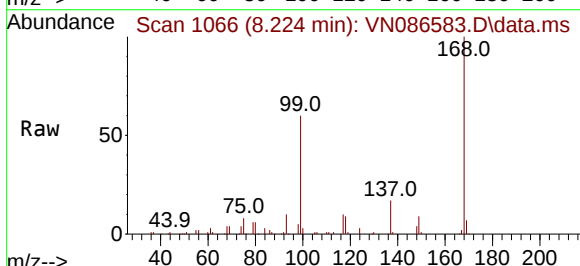
Tgt Ion: 117 Resp: 17888

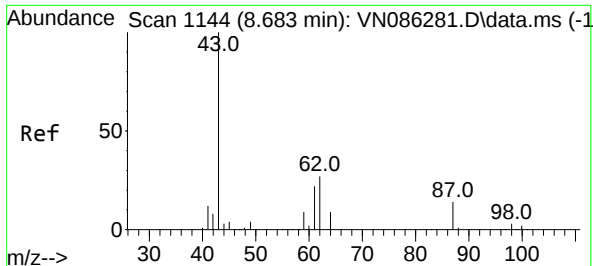
Ion Ratio Lower Upper

117 100

119 5.7 76.8 115.2#

121 0.0 23.8 35.8#

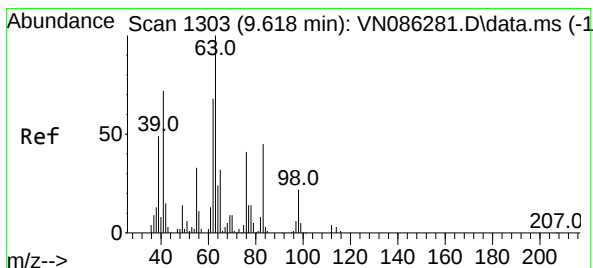
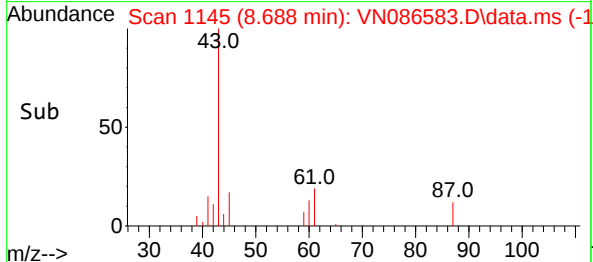
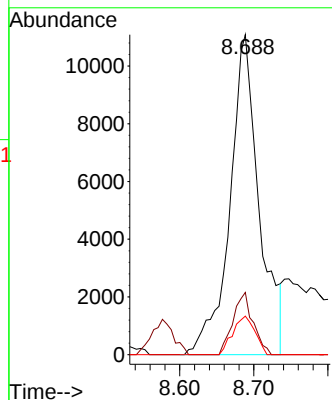
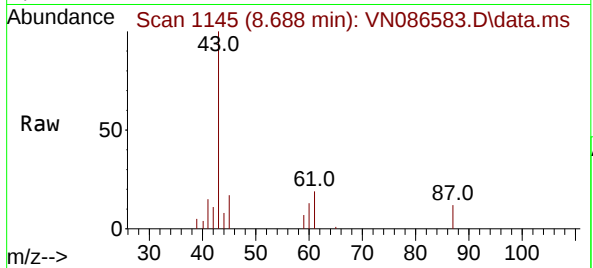




#43
Isopropyl Acetate
Concen: 3.300 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086583.D
Acq: 12 May 2025 16:05

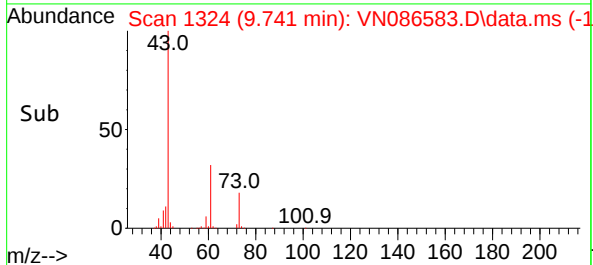
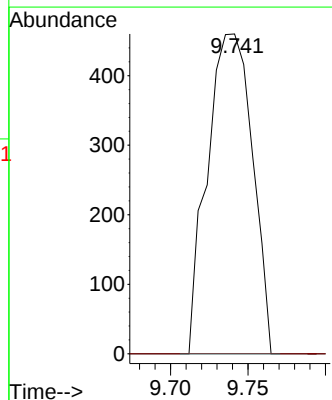
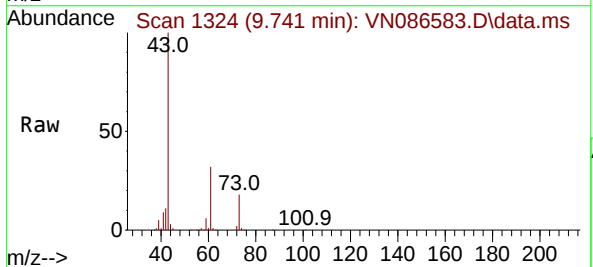
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#08

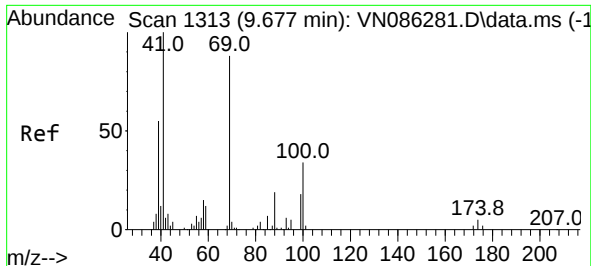
Tgt Ion: 43 Resp: 30406
Ion Ratio Lower Upper
43 100
61 13.4 20.5 30.7#
87 9.1 10.5 15.7#



#45
1,2-Dichloropropane
Concen: 0.376 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN086583.D
Acq: 12 May 2025 16:05

Tgt Ion: 63 Resp: 929
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.2#

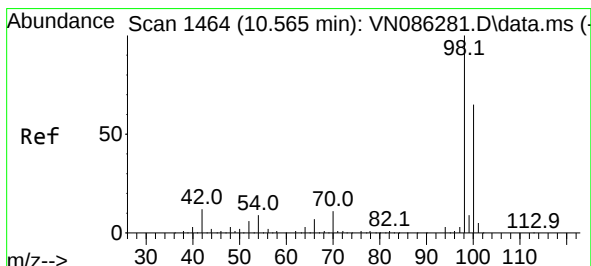
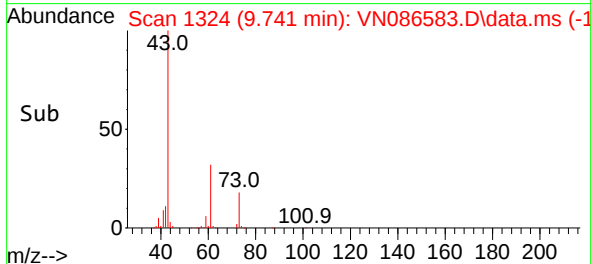
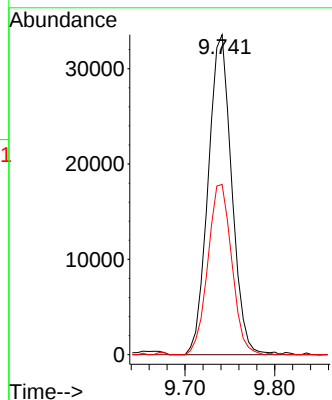
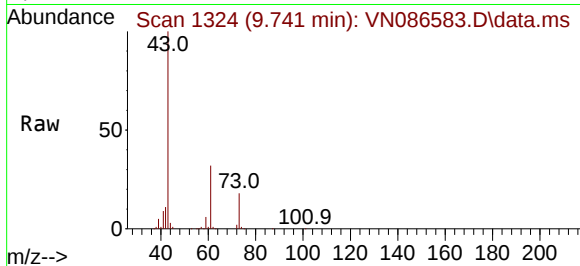




#48
Methyl methacrylate
Concen: 20.962 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN086583.D
Acq: 12 May 2025 16:05

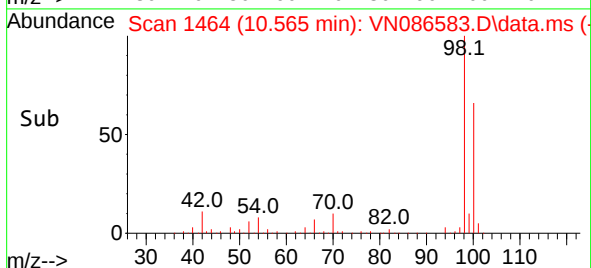
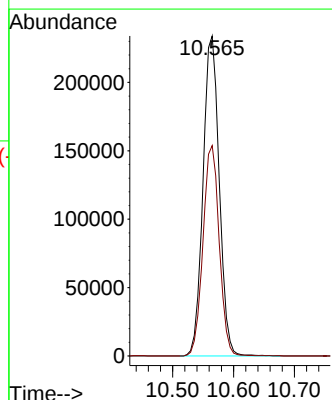
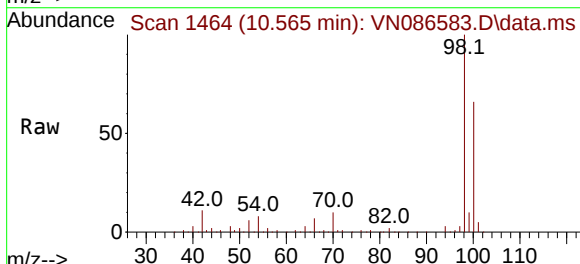
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#08

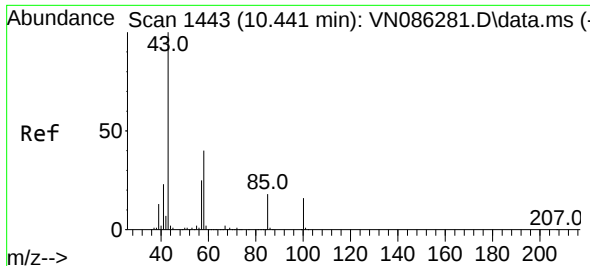
Tgt Ion: 41 Resp: 61114
Ion Ratio Lower Upper
41 100
69 0.0 68.2 102.2#
39 54.1 45.2 67.8



#50
Toluene-d8
Concen: 51.315 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086583.D
Acq: 12 May 2025 16:05

Tgt Ion: 98 Resp: 432991
Ion Ratio Lower Upper
98 100
100 65.9 52.5 78.7

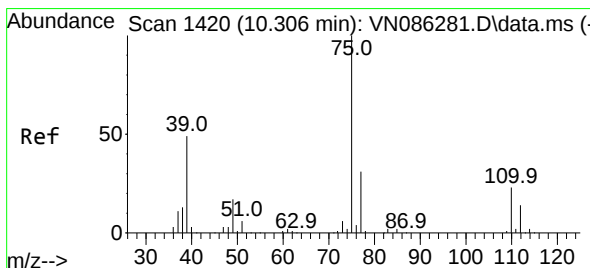
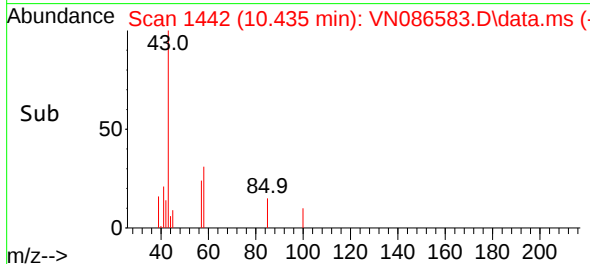
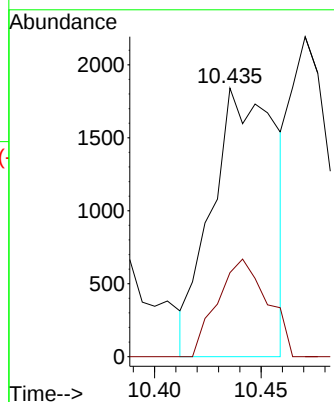
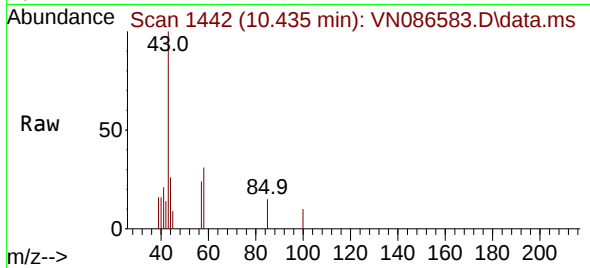




#51
4-Methyl-2-Pentanone
Concen: 1.130 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VN086583.D
Acq: 12 May 2025 16:05

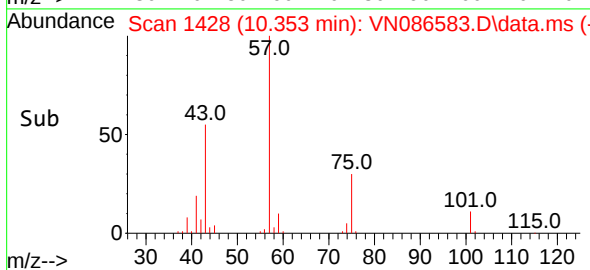
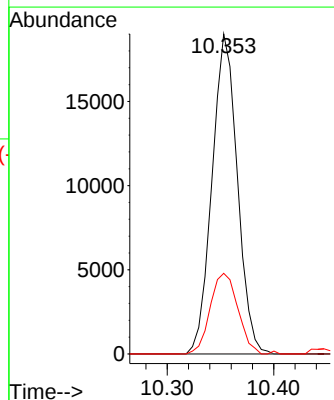
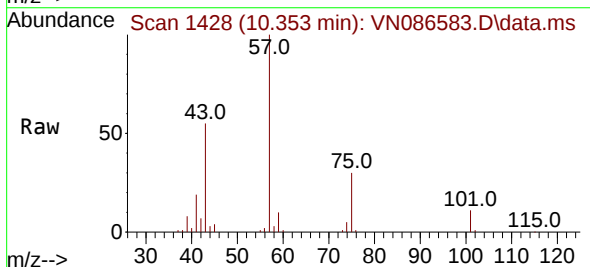
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#08

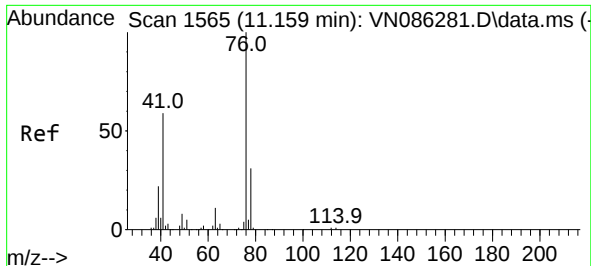
Tgt Ion: 43 Resp: 3842
Ion Ratio Lower Upper
43 100
58 28.4 32.2 48.4#



#54
cis-1,3-Dichloropropene
Concen: 7.523 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN086583.D
Acq: 12 May 2025 16:05

Tgt Ion: 75 Resp: 31390
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 25.2 39.3 58.9#





#57

1,3-Dichloropropane

Concen: 0.691 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.035 min

Lab File: VN086583.D

Acq: 12 May 2025 16:05

Instrument :

MSVOA_N

ClientSampleId :

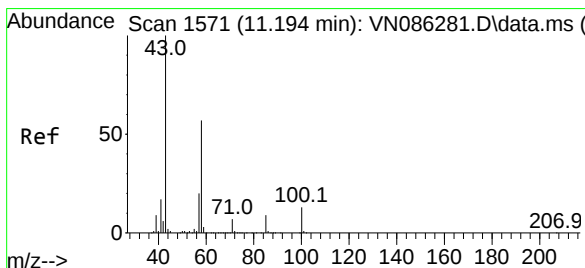
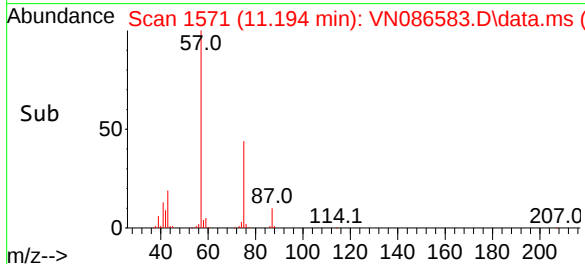
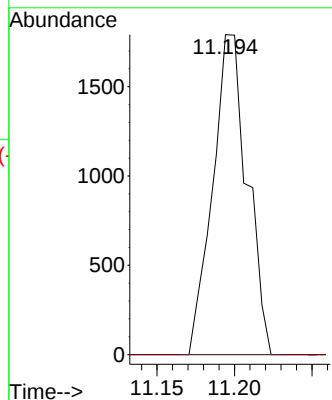
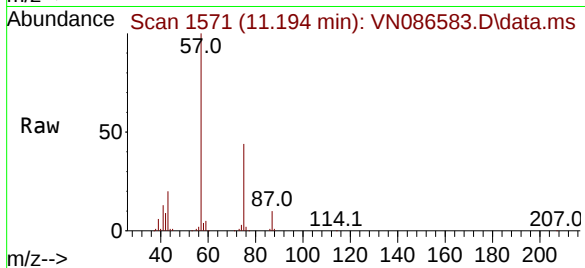
PB167932ZHE#08

Tgt Ion: 76 Resp: 2780

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 20.501 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086583.D

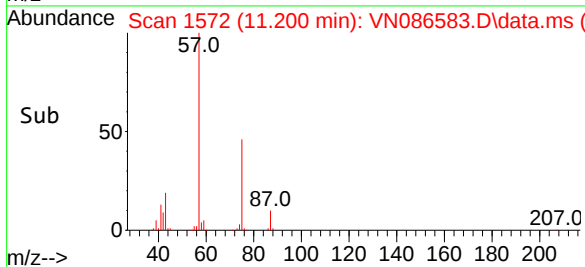
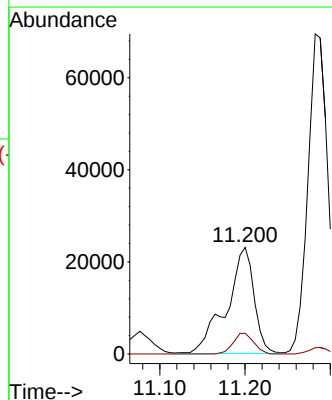
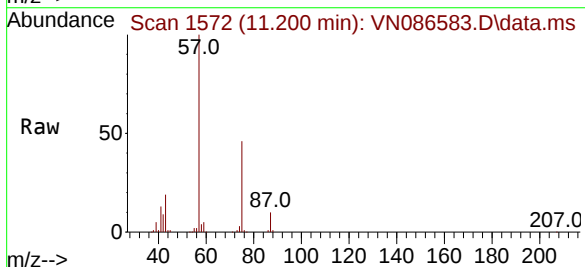
Acq: 12 May 2025 16:05

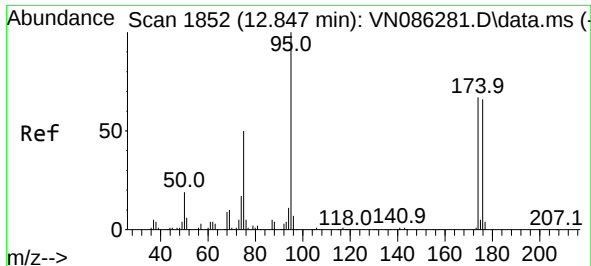
Tgt Ion: 43 Resp: 51695

Ion Ratio Lower Upper

43 100

58 14.6 28.3 85.0#

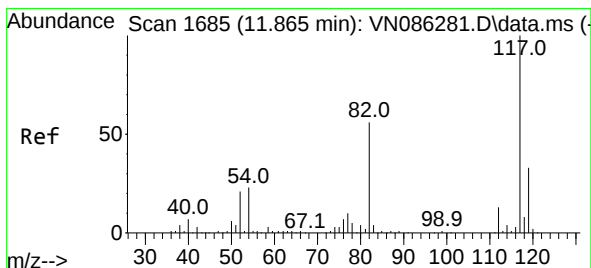
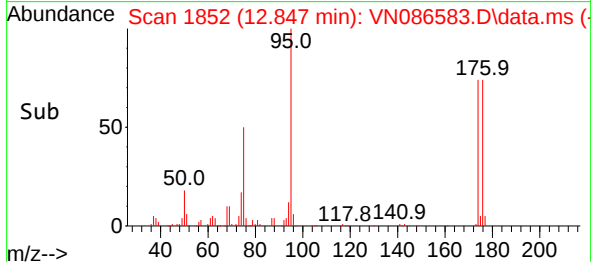
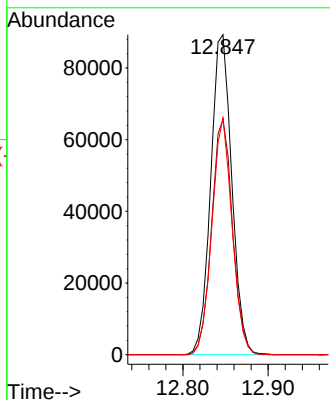
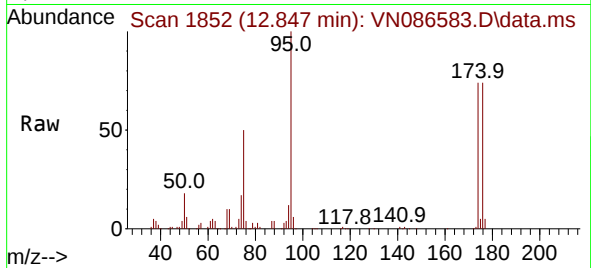




#62
4-Bromofluorobenzene
Concen: 49.819 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086583.D
Acq: 12 May 2025 16:05

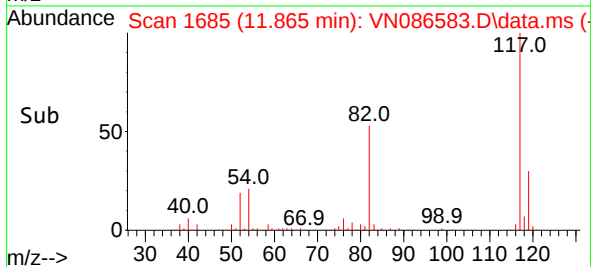
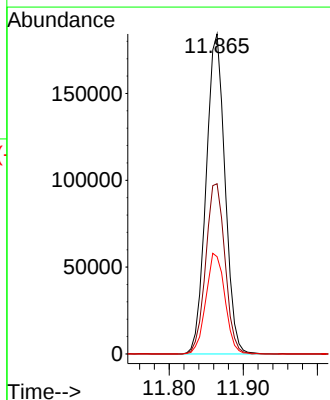
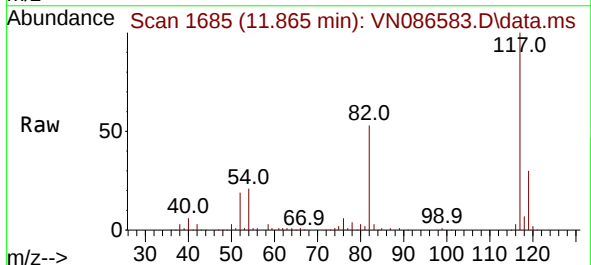
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#08

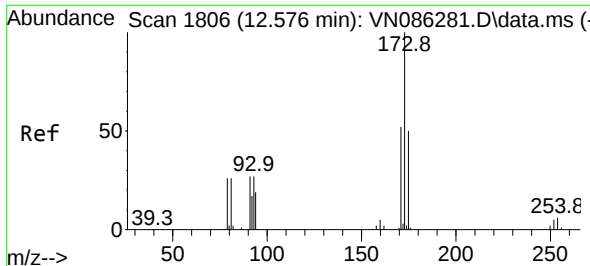
Tgt Ion: 95 Resp: 153326
Ion Ratio Lower Upper
95 100
174 73.0 0.0 133.4
176 70.7 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086583.D
Acq: 12 May 2025 16:05

Tgt Ion: 117 Resp: 325658
Ion Ratio Lower Upper
117 100
82 53.2 44.7 67.1
119 30.4 26.4 39.6

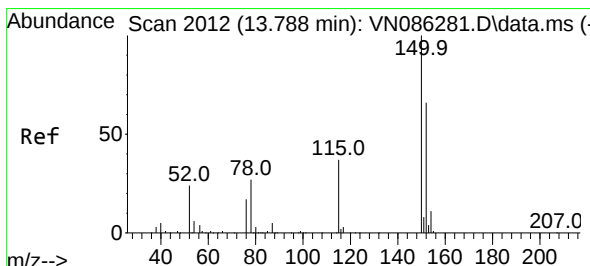
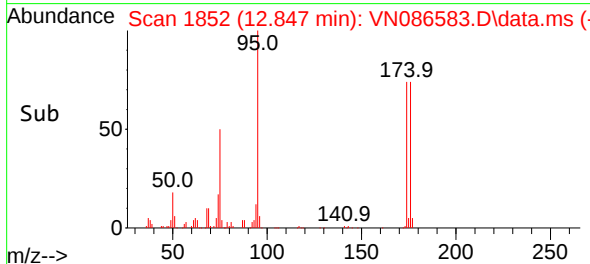
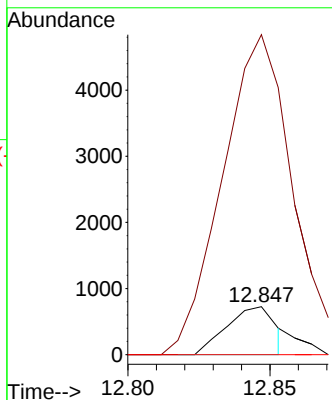
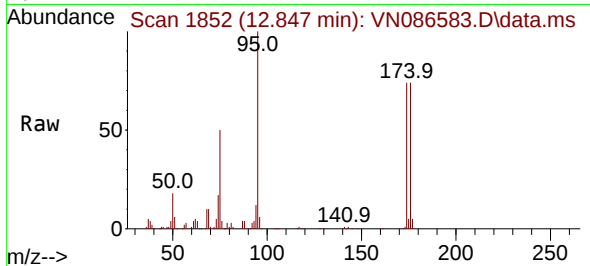




#71
Bromoform
Concen: 0.482 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN086583.D
Acq: 12 May 2025 16:05

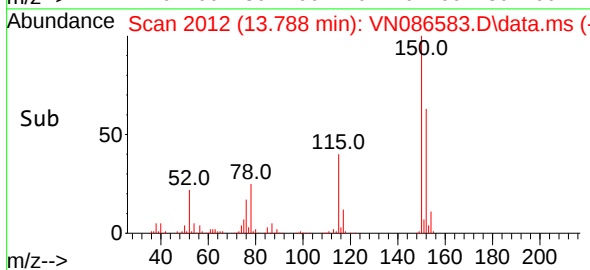
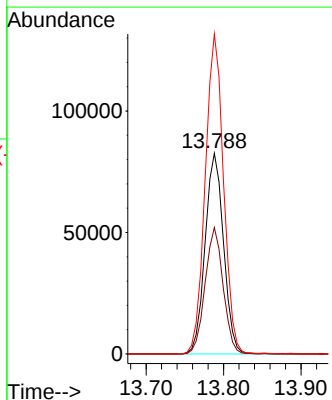
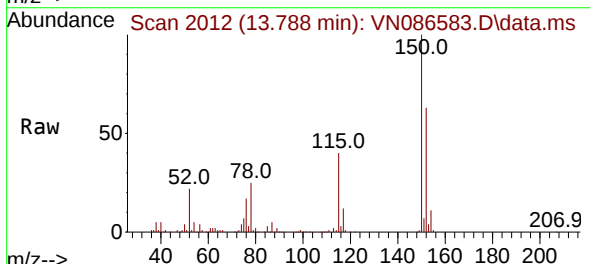
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#08

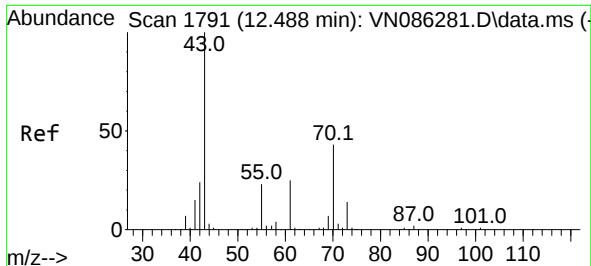
Tgt Ion:173 Resp: 870
Ion Ratio Lower Upper
173 100
175 781.6 24.6 73.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086583.D
Acq: 12 May 2025 16:05

Tgt Ion:152 Resp: 136621
Ion Ratio Lower Upper
152 100
115 61.5 31.9 95.9
150 158.0 0.0 352.0

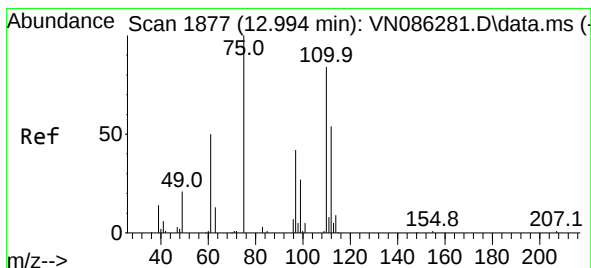
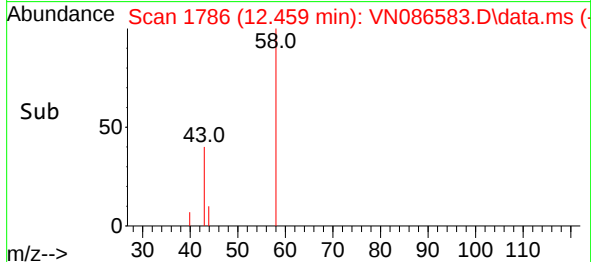
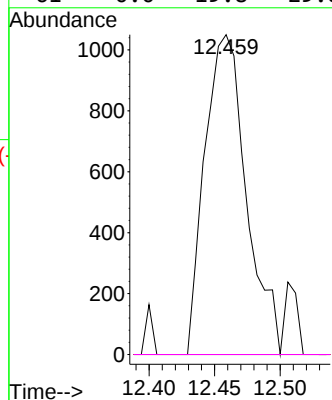
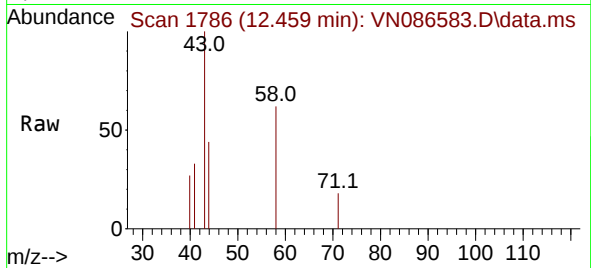




#74
N-amy1 acetate
Concen: 0.416 ug/l
RT: 12.459 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN086583.D
Acq: 12 May 2025 16:05

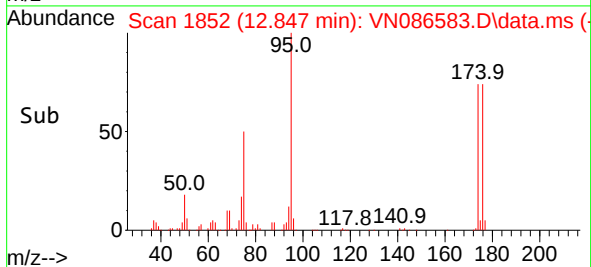
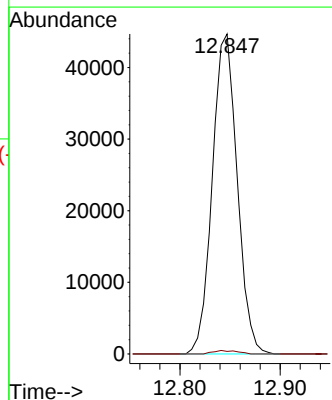
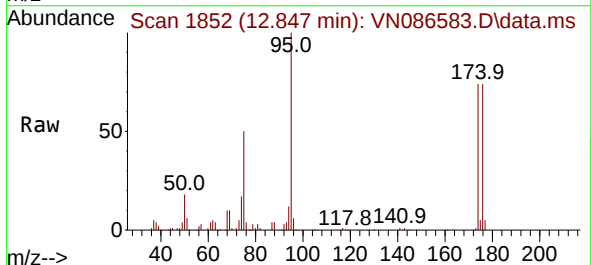
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#08

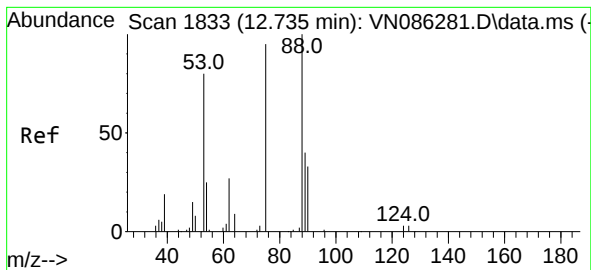
Tgt Ion: 43	Resp: 2314
Ion Ratio	Lower Upper
43 100	
70 0.0	35.0 52.4#
55 0.0	19.0 28.4#
61 0.0	19.8 29.8#



#76
1,2,3-Trichloropropane
Concen: 23.808 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086583.D
Acq: 12 May 2025 16:05

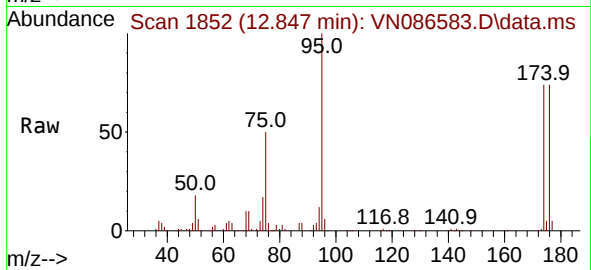
Tgt Ion: 75	Resp: 76758
Ion Ratio	Lower Upper
75 100	
77 1.0	98.8 296.4#





#81
trans-1,4-Dichloro-2-butene
Concen: 57.178 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN086583.D
Acq: 12 May 2025 16:05

Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#08



Tgt Ion: 75 Resp: 76758
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

