

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051525\
 Data File : VN086650.D
 Acq On : 15 May 2025 17:12
 Operator : JC\MD
 Sample : PB167995ZHE#12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167995ZHE#12

Quant Time: May 16 05:30:50 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

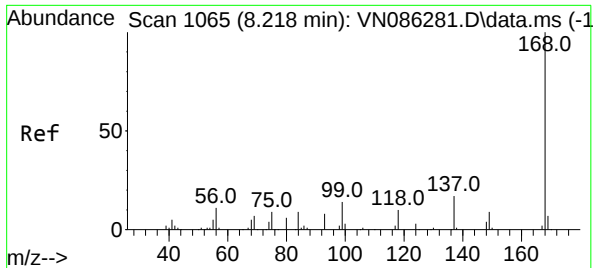
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	220959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	420200	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	410590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	174204	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	152340	47.545	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.100%			
35) Dibromofluoromethane	8.165	113	125476	64.340	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 128.680%#			
50) Toluene-d8	10.565	98	540064	51.816	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.640%			
62) 4-Bromofluorobenzene	12.847	95	193687	50.948	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.900%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.512	59	471	0.806	ug/l #	72
16) Acetone	4.436	43	26630	18.760	ug/l	93
18) Methyl Acetate	5.018	43	4767	1.239	ug/l #	51
20) Methylene Chloride	5.277	84	11116	3.753	ug/l #	81
25) 2-Butanone	7.483	43	9355	4.691	ug/l	91
29) Tetrahydrofuran	7.841	42	543	0.407	ug/l #	40
31) Cyclohexane	8.218	56	4728	0.911	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	17517	4.497	ug/l #	49
37) Ethyl Acetate	7.559	43	908	0.221	ug/l #	68
38) Carbon Tetrachloride	8.224	117	22073	5.950	ug/l #	15
43) Isopropyl Acetate	8.683	43	58045	6.132	ug/l #	76
45) 1,2-Dichloropropane	9.741	63	1365	0.447	ug/l #	43
48) Methyl methacrylate	9.735	41	88081	24.458	ug/l #	40
51) 4-Methyl-2-Pentanone	10.441	43	4826	1.149	ug/l	89
54) cis-1,3-Dichloropropene	10.353	75	46185	8.960	ug/l #	57
57) 1,3-Dichloropropane	11.200	76	4432	0.892	ug/l #	43
59) 2-Hexanone	11.200	43	78395	25.169	ug/l #	45
71) Bromoform	12.841	173	768	0.337	ug/l #	1
74) N-amyl acetate	12.459	43	4995	0.704	ug/l #	44
76) 1,2,3-Trichloropropane	12.847	75	98214	23.891	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	98214	57.377	ug/l #	10

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

Quant Time: May 16 05:30:50 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

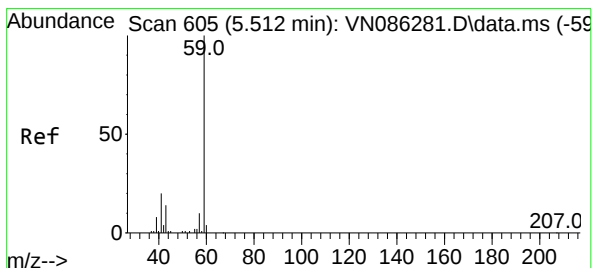
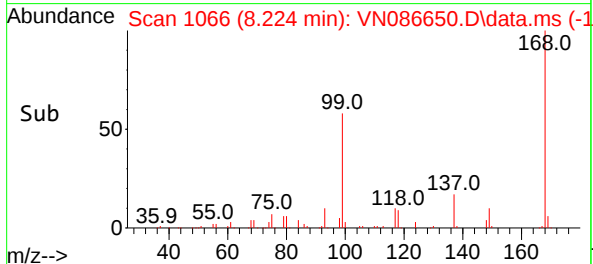
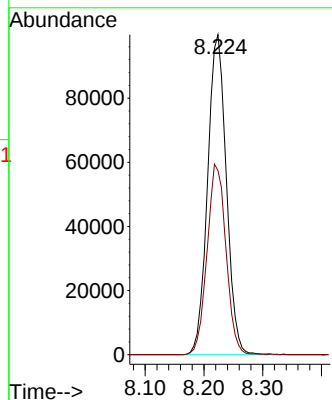
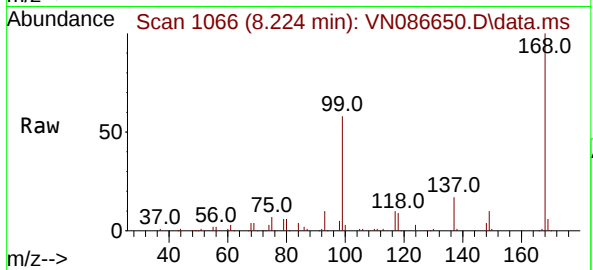




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086650.D
Acq: 15 May 2025 17:12

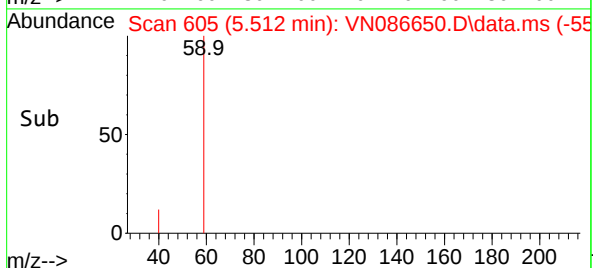
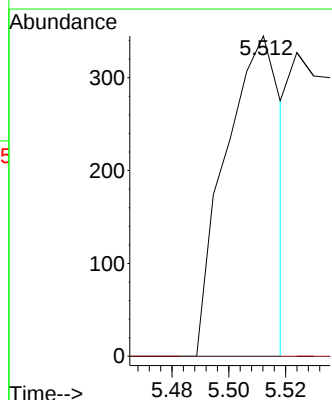
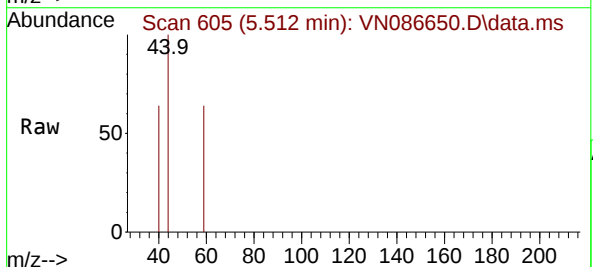
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#12

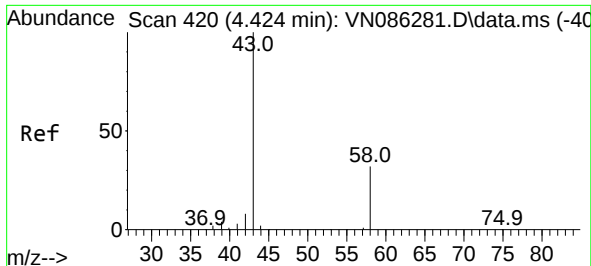
Tgt Ion:168 Resp: 220959
Ion Ratio Lower Upper
168 100
99 57.5 52.5 78.7



#11
Tert butyl alcohol
Concen: 0.806 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN086650.D
Acq: 15 May 2025 17:12

Tgt Ion: 59 Resp: 471
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

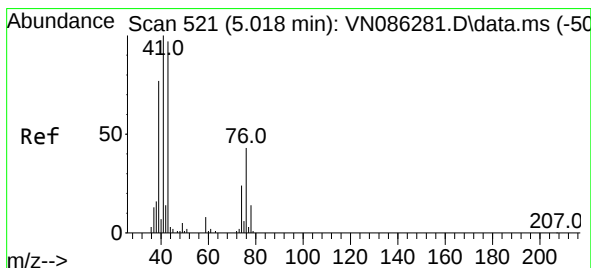
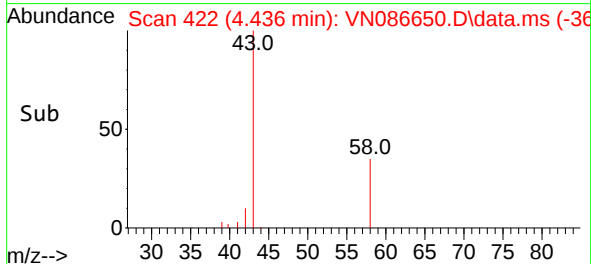
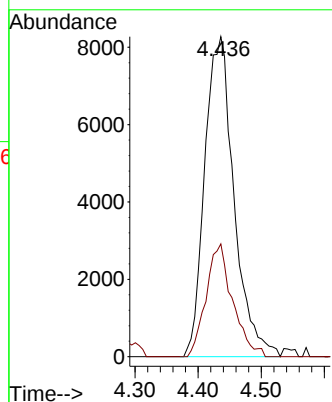
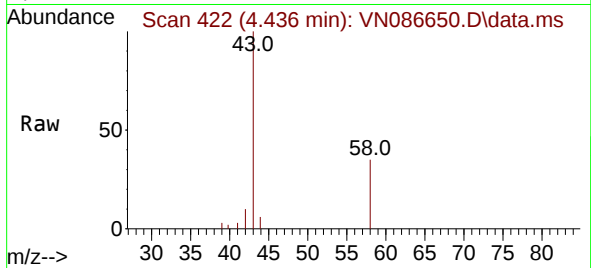




#16
Acetone
Concen: 18.760 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN086650.D
Acq: 15 May 2025 17:12

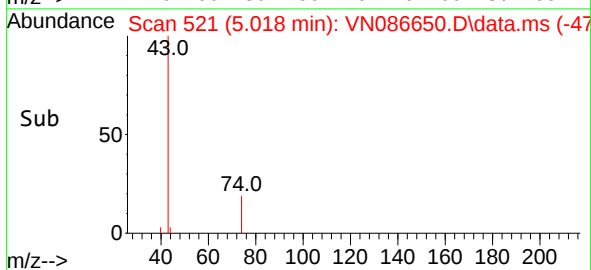
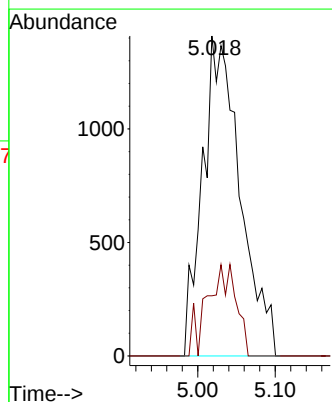
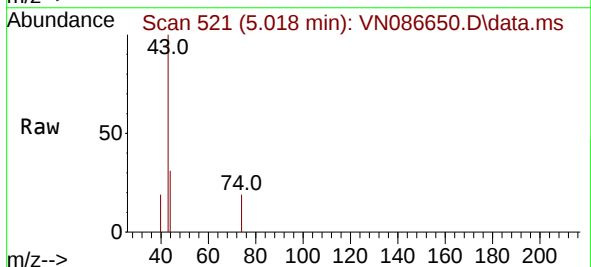
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#12

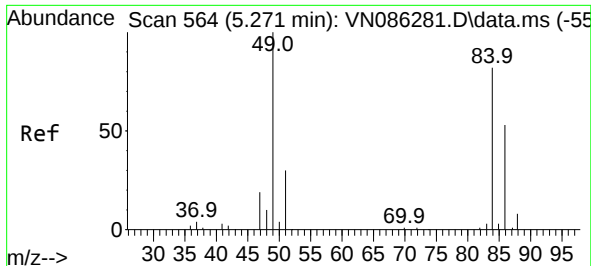
Tgt Ion: 43 Resp: 26630
Ion Ratio Lower Upper
43 100
58 35.3 25.3 37.9



#18
Methyl Acetate
Concen: 1.239 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN086650.D
Acq: 15 May 2025 17:12

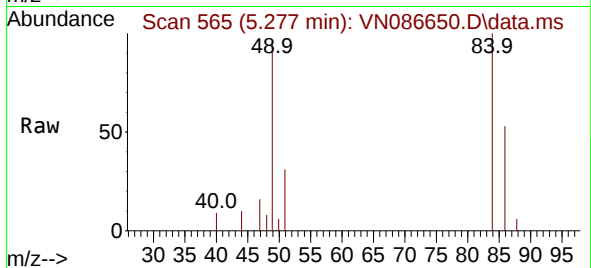
Tgt Ion: 43 Resp: 4767
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#



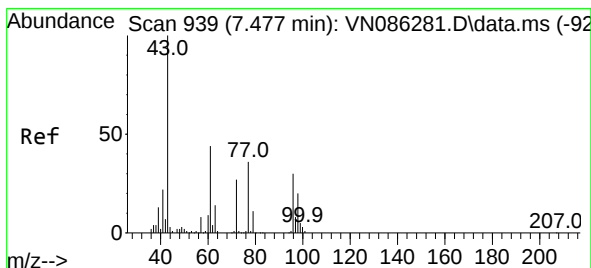
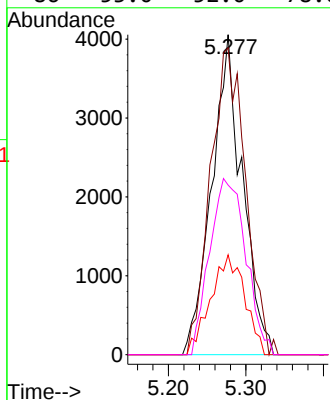
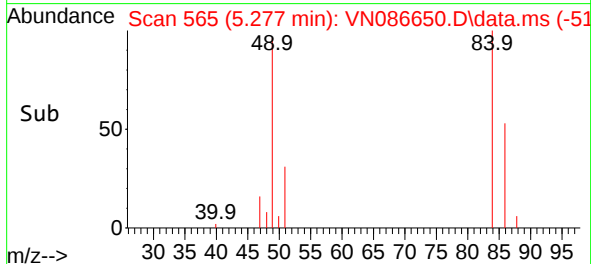


#20
Methylene Chloride
Concen: 3.753 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086650.D
Acq: 15 May 2025 17:12

Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#12

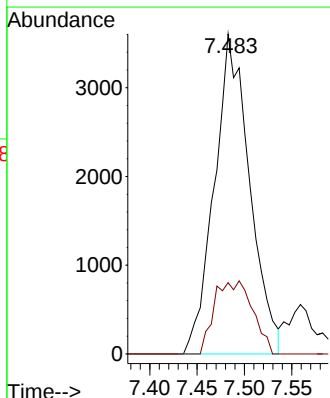
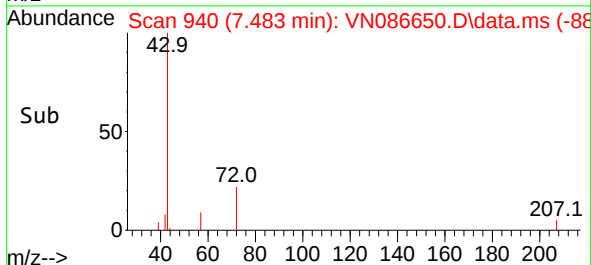
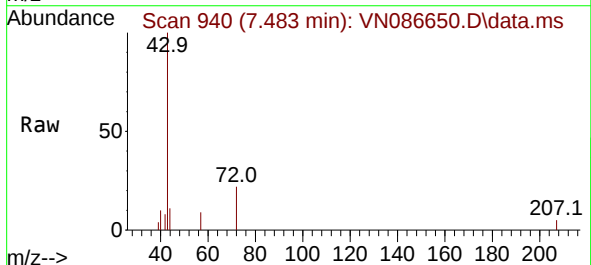


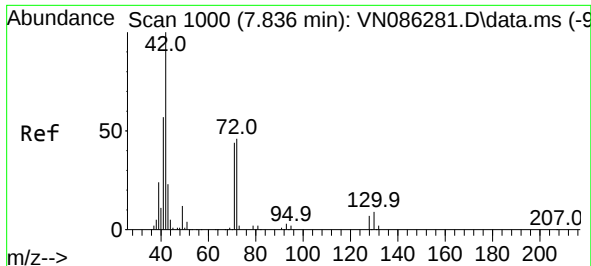
Tgt Ion: 84 Resp: 11116
Ion Ratio Lower Upper
84 100
49 95.9 98.2 147.2#
51 31.2 29.8 44.6
86 53.0 52.0 78.0



#25
2-Butanone
Concen: 4.691 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086650.D
Acq: 15 May 2025 17:12

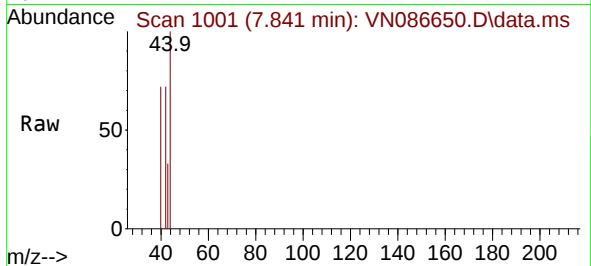
Tgt Ion: 43 Resp: 9355
Ion Ratio Lower Upper
43 100
72 22.3 21.7 32.5



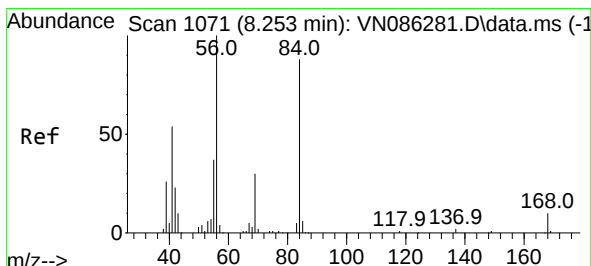
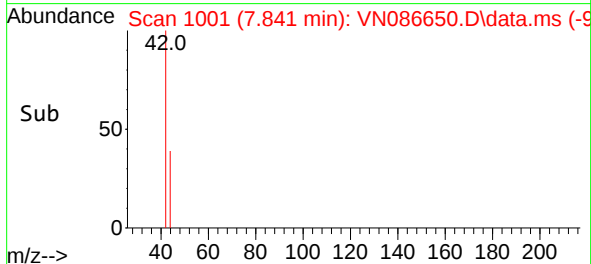
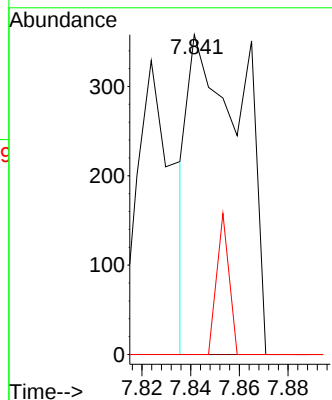


#29
Tetrahydrofuran
Concen: 0.407 ug/l
RT: 7.841 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VN086650.D
Acq: 15 May 2025 17:12

Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#12

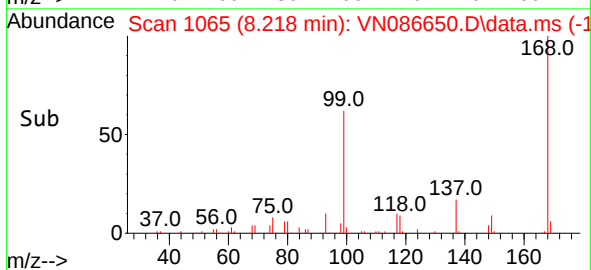
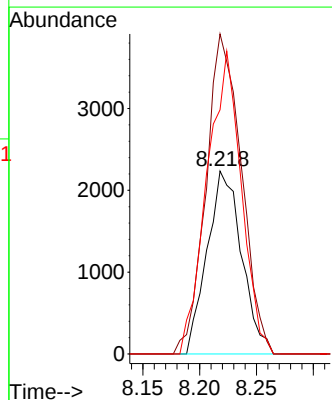
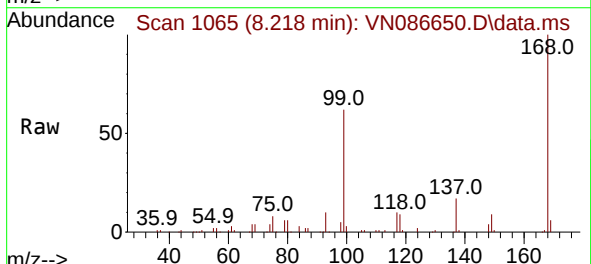


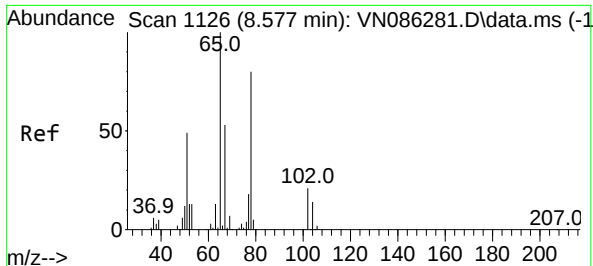
Tgt Ion: 42 Resp: 543
Ion Ratio Lower Upper
42 100
72 0.0 36.2 54.4#
71 10.3 34.0 51.0#



#31
Cyclohexane
Concen: 0.911 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086650.D
Acq: 15 May 2025 17:12

Tgt Ion: 56 Resp: 4728
Ion Ratio Lower Upper
56 100
69 174.9 24.2 36.2#
84 133.5 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 47.545 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086650.D

Acq: 15 May 2025 17:12

Instrument :

MSVOA_N

ClientSampleId :

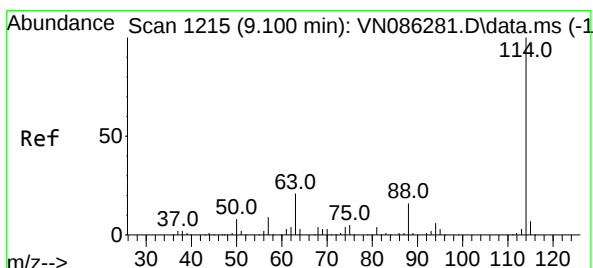
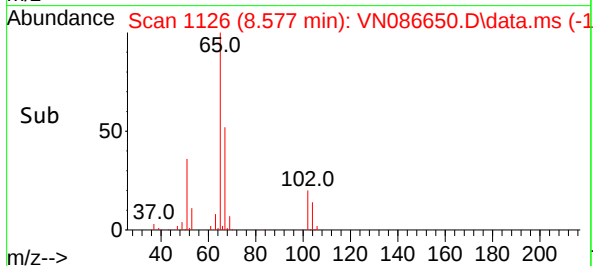
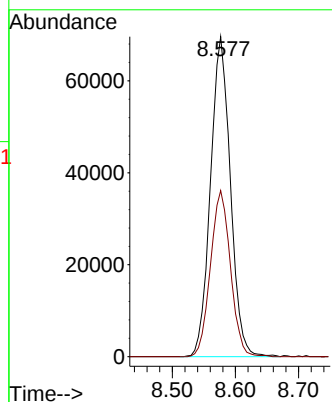
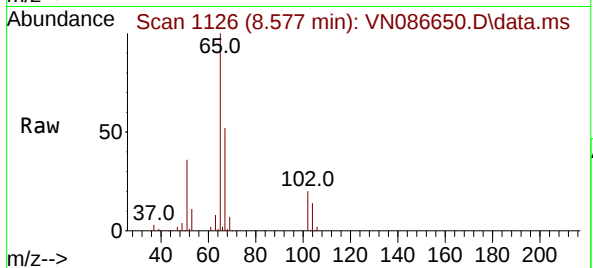
PB167995ZHE#12

Tgt Ion: 65 Resp: 152340

Ion Ratio Lower Upper

65 100

67 52.1 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN086650.D

Acq: 15 May 2025 17:12

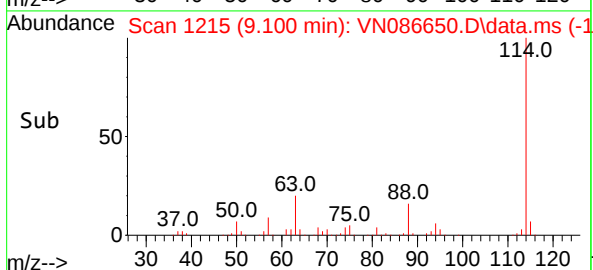
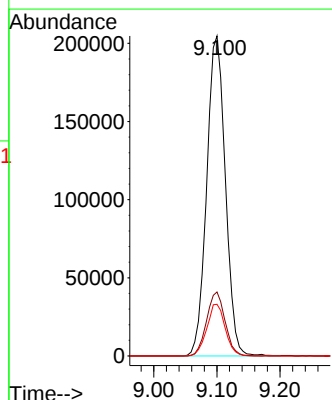
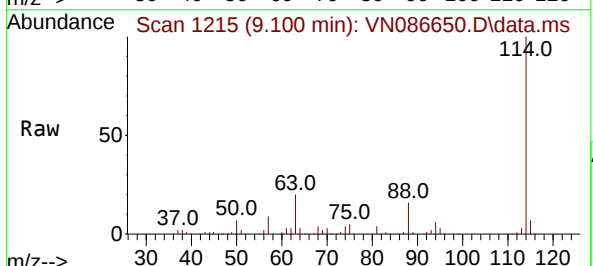
Tgt Ion: 114 Resp: 420200

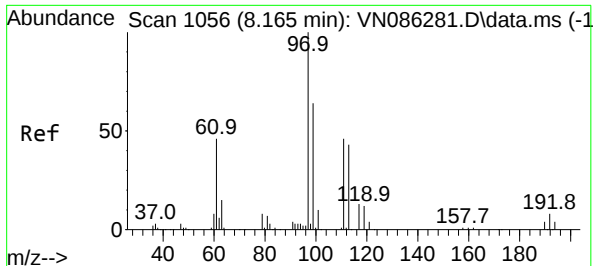
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.6

88 16.2 0.0 31.8





#35

Dibromofluoromethane

Concen: 64.340 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086650.D

Acq: 15 May 2025 17:12

Instrument :

MSVOA_N

ClientSampleId :

PB167995ZHE#12

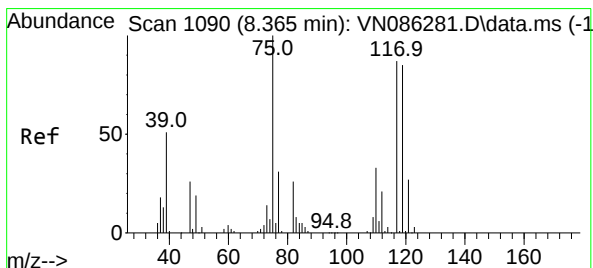
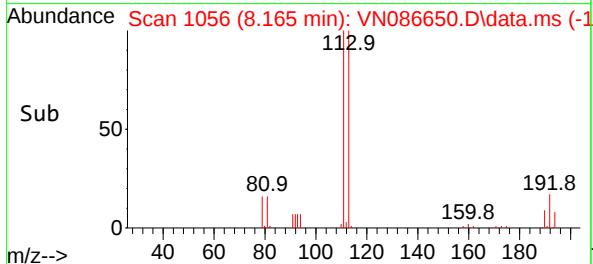
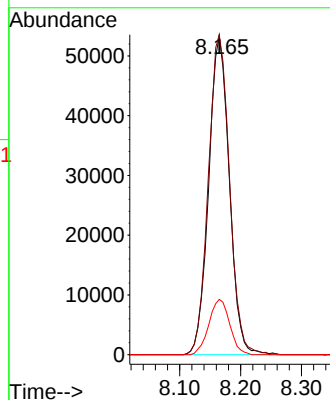
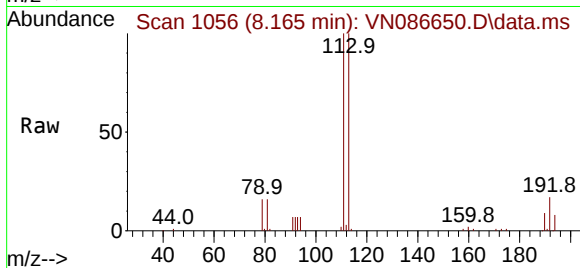
Tgt Ion:113 Resp: 125476

Ion Ratio Lower Upper

113 100

111 103.0 83.4 125.0

192 17.5 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.497 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086650.D

Acq: 15 May 2025 17:12

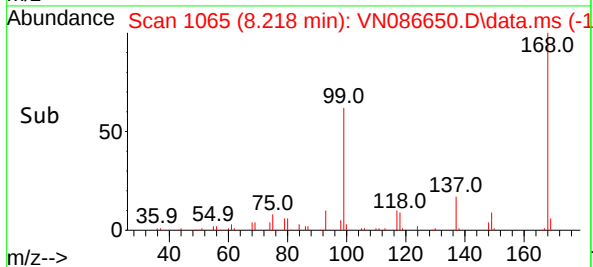
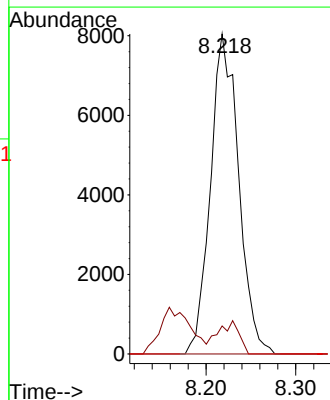
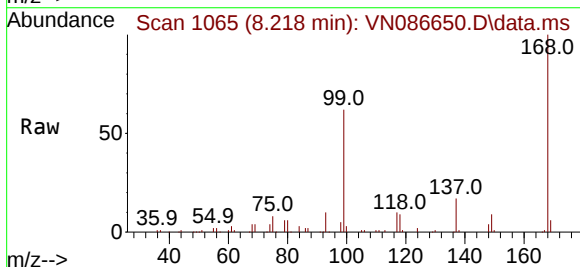
Tgt Ion: 75 Resp: 17517

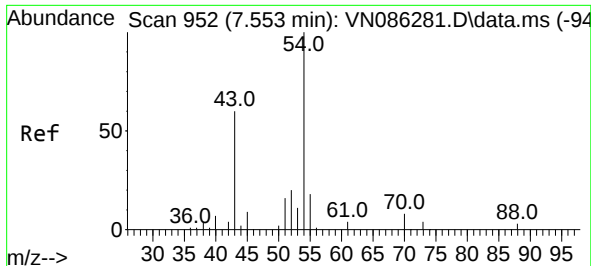
Ion Ratio Lower Upper

75 100

110 7.9 16.8 50.4#

77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.221 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN086650.D

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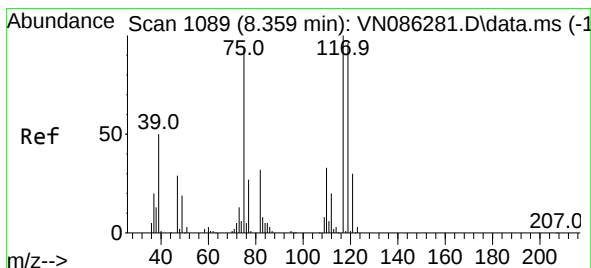
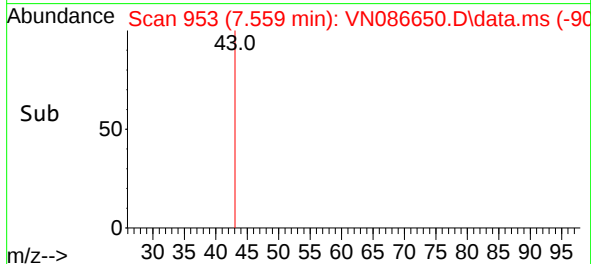
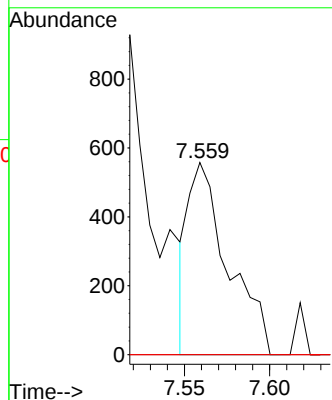
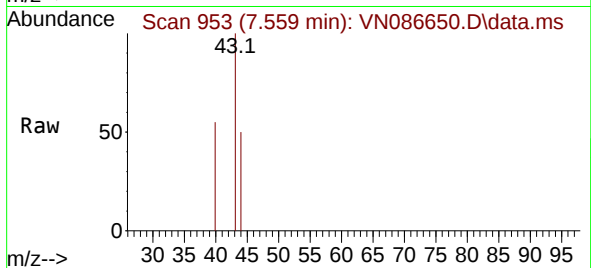
Tgt Ion: 43 Resp: 908

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 9.2 13.8#



#38

Carbon Tetrachloride

Concen: 5.950 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086650.D

Acq: 15 May 2025 17:12

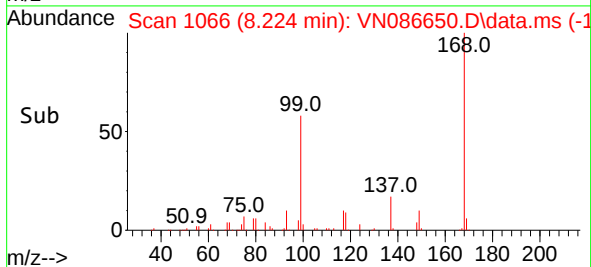
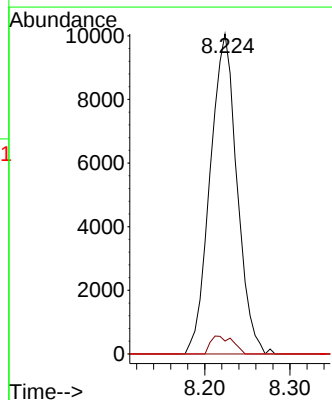
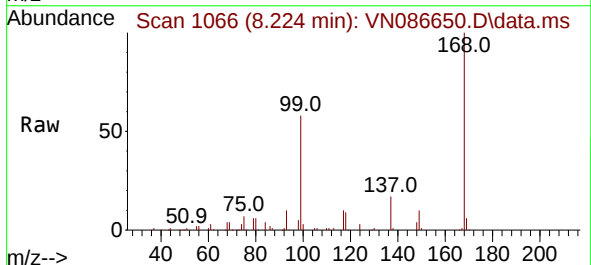
Tgt Ion: 117 Resp: 22073

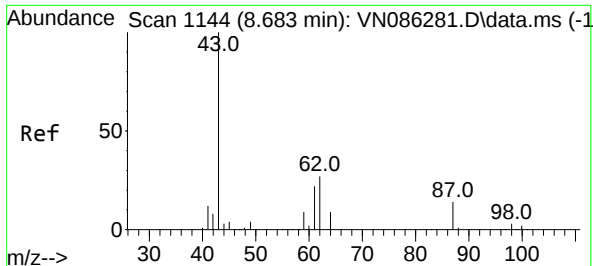
Ion Ratio Lower Upper

117 100

119 4.1 76.8 115.2#

121 0.0 23.8 35.8#

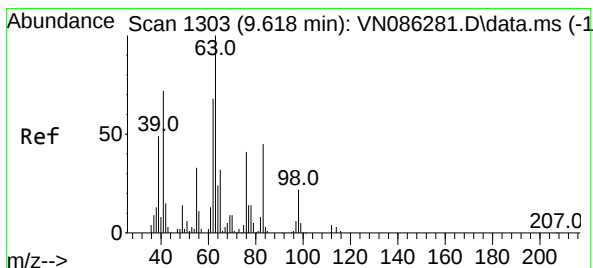
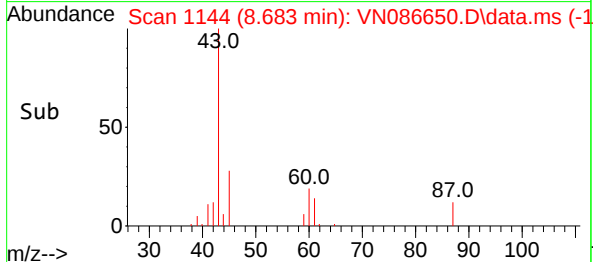
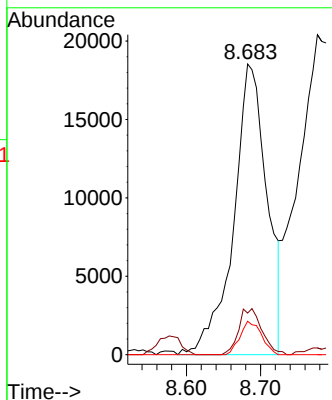
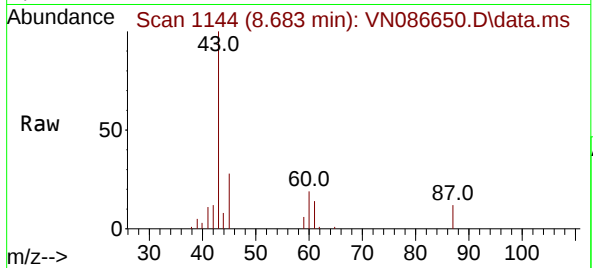




#43
Isopropyl Acetate
Concen: 6.132 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086650.D
Acq: 15 May 2025 17:12

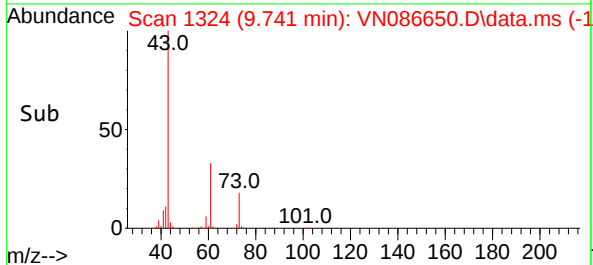
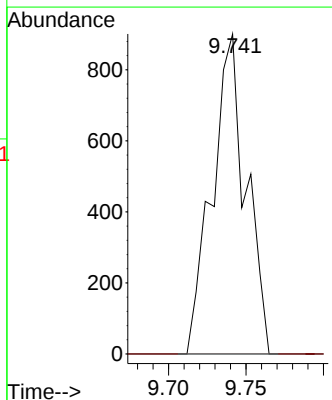
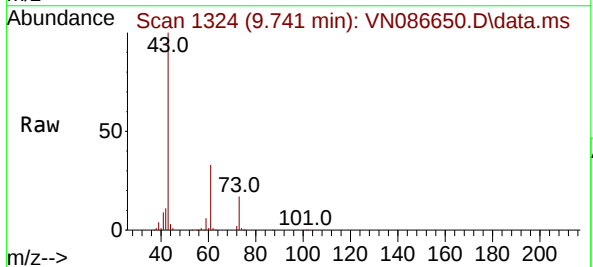
Instrument : MSVOA_N
ClientSampleId : PB167995ZHE#12

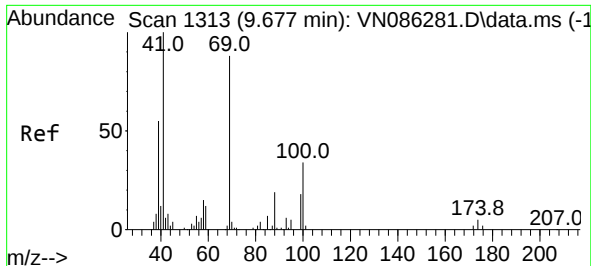
Tgt Ion: 43 Resp: 58045
Ion Ratio Lower Upper
43 100
61 11.0 20.5 30.7#
87 7.4 10.5 15.7#



#45
1,2-Dichloropropane
Concen: 0.447 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN086650.D
Acq: 15 May 2025 17:12

Tgt Ion: 63 Resp: 1365
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.2#





#48

Methyl methacrylate

Concen: 24.458 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.059 min

Lab File: VN086650.D

Acq: 15 May 2025 17:12

Instrument :

MSVOA_N

ClientSampleId :

PB167995ZHE#12

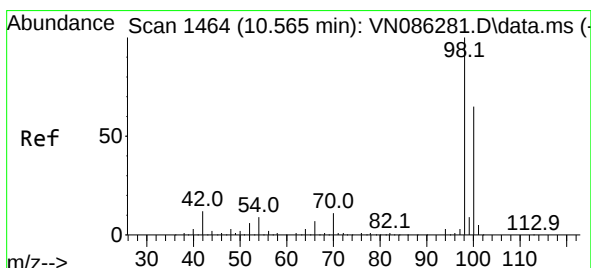
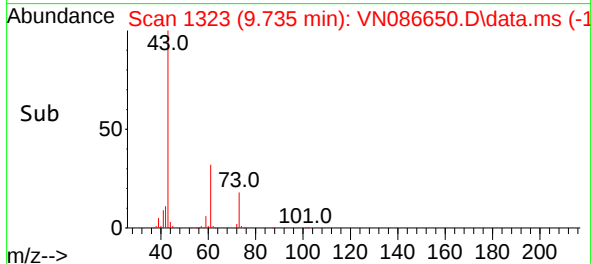
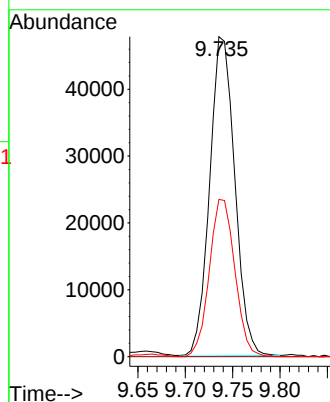
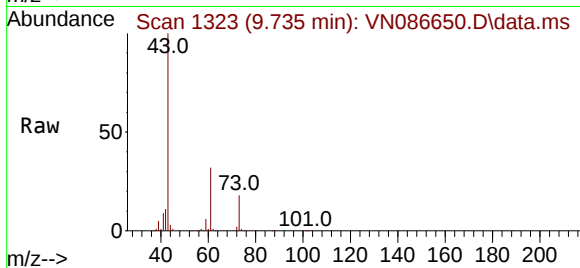
Tgt Ion: 41 Resp: 88081

Ion Ratio Lower Upper

41 100

69 0.0 68.2 102.2#

39 50.1 45.2 67.8



#50

Toluene-d8

Concen: 51.816 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN086650.D

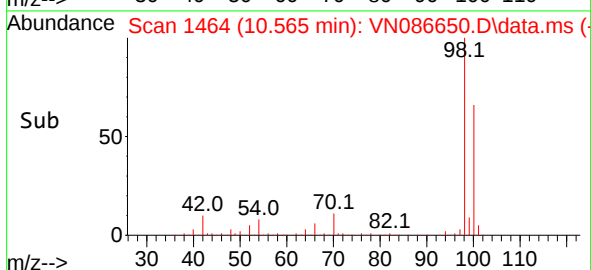
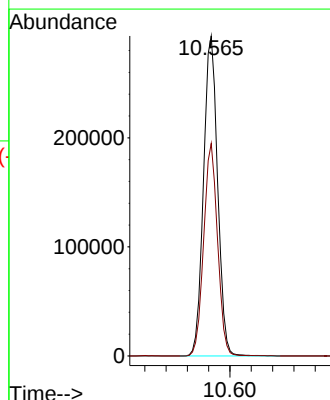
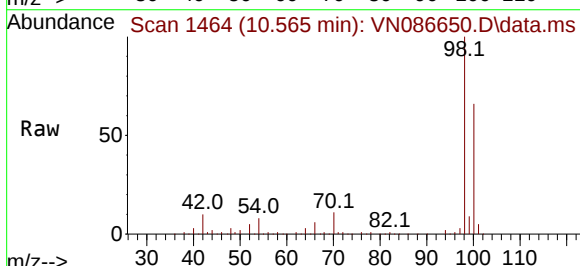
Acq: 15 May 2025 17:12

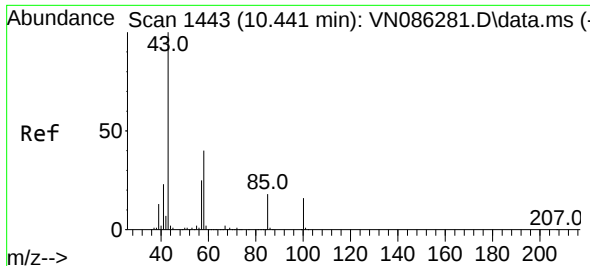
Tgt Ion: 98 Resp: 540064

Ion Ratio Lower Upper

98 100

100 65.2 52.5 78.7

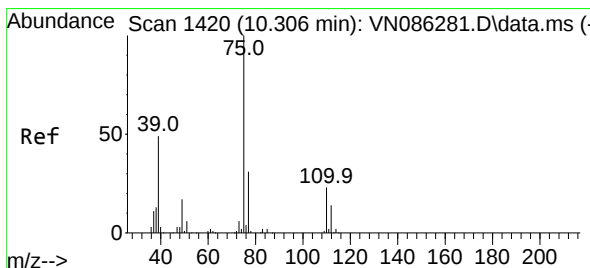
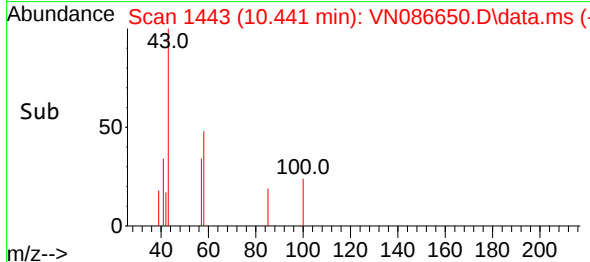
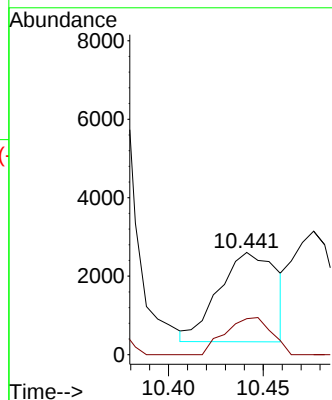
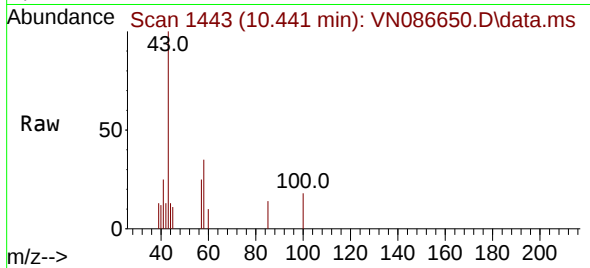




#51
4-Methyl-2-Pentanone
Concen: 1.149 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086650.D
Acq: 15 May 2025 17:12

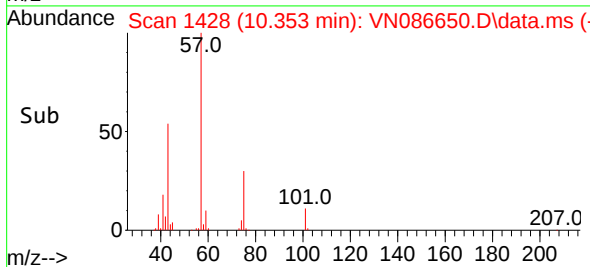
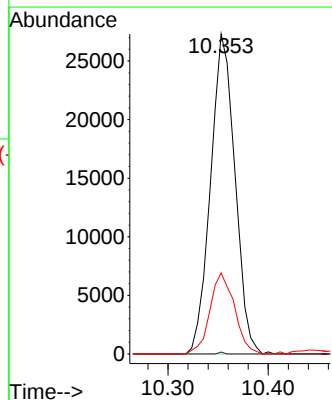
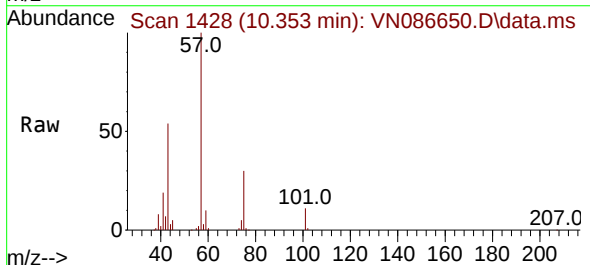
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#12

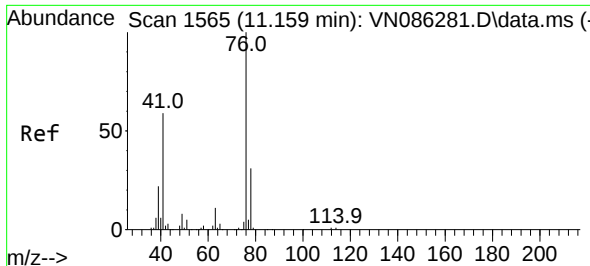
Tgt Ion: 43 Resp: 4826
Ion Ratio Lower Upper
43 100
58 33.3 32.2 48.4



#54
cis-1,3-Dichloropropene
Concen: 8.960 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN086650.D
Acq: 15 May 2025 17:12

Tgt Ion: 75 Resp: 46185
Ion Ratio Lower Upper
75 100
77 0.6 25.2 37.8#
39 25.3 39.3 58.9#





#57

1,3-Dichloropropane

Concen: 0.892 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN086650.D

Acq: 15 May 2025 17:12

Instrument :

MSVOA_N

ClientSampleId :

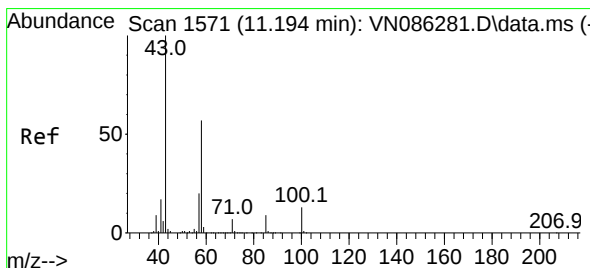
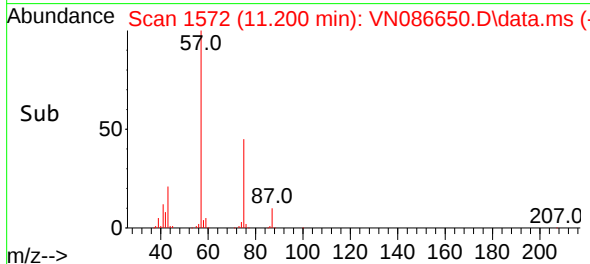
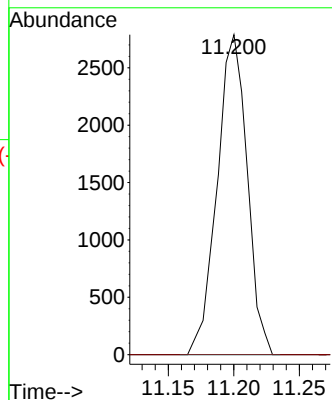
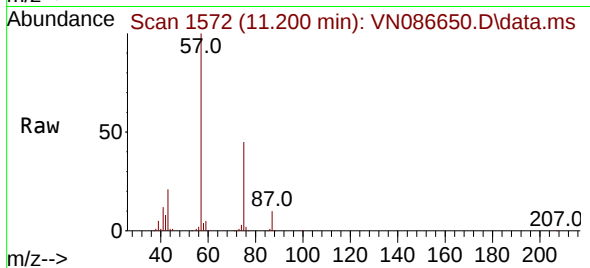
PB167995ZHE#12

Tgt Ion: 76 Resp: 4432

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 25.169 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086650.D

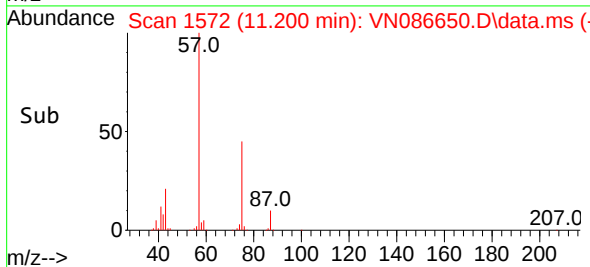
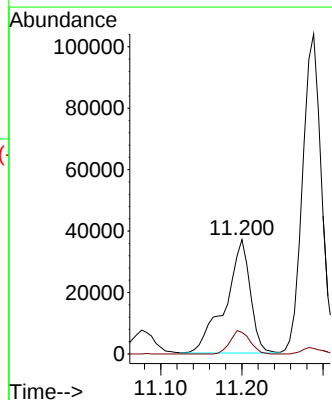
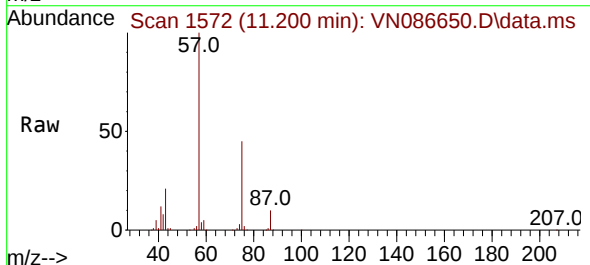
Acq: 15 May 2025 17:12

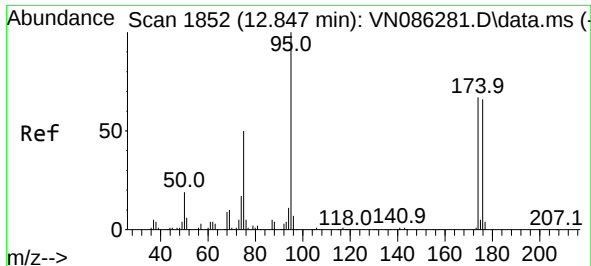
Tgt Ion: 43 Resp: 78395

Ion Ratio Lower Upper

43 100

58 16.3 28.3 85.0#

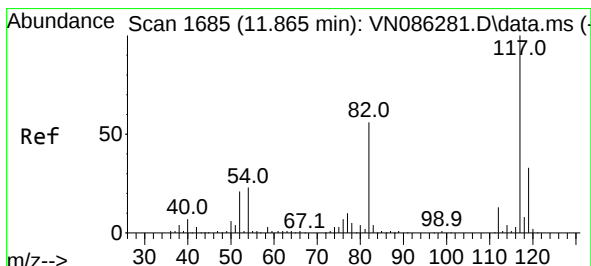
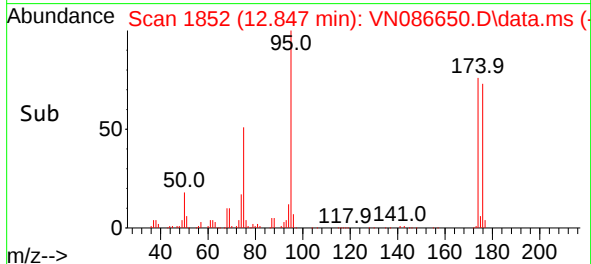
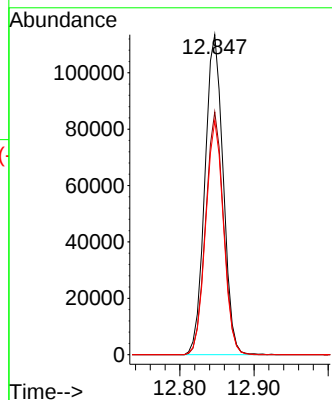
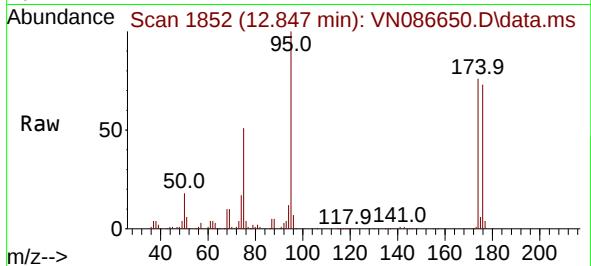




#62
4-Bromofluorobenzene
Concen: 50.948 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086650.D
Acq: 15 May 2025 17:12

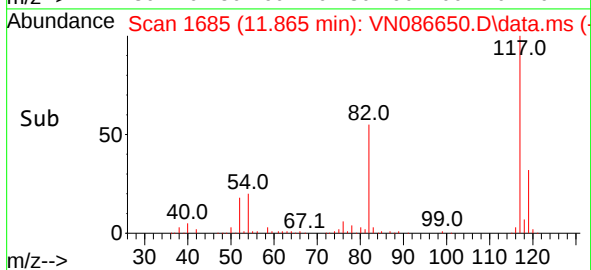
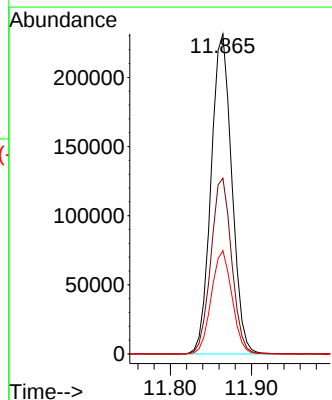
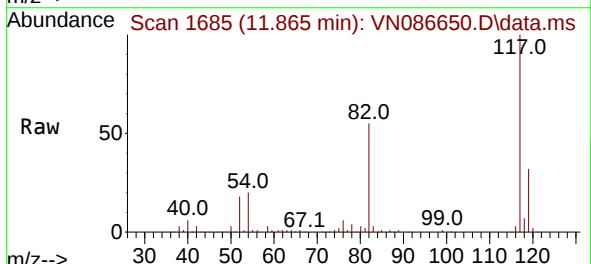
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#12

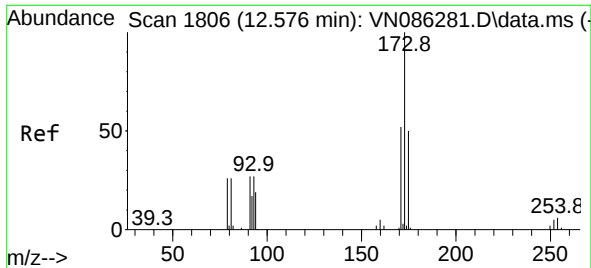
Tgt Ion: 95 Resp: 193687
Ion Ratio Lower Upper
95 100
174 74.5 0.0 133.4
176 71.4 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086650.D
Acq: 15 May 2025 17:12

Tgt Ion: 117 Resp: 410590
Ion Ratio Lower Upper
117 100
82 54.9 44.7 67.1
119 32.3 26.4 39.6

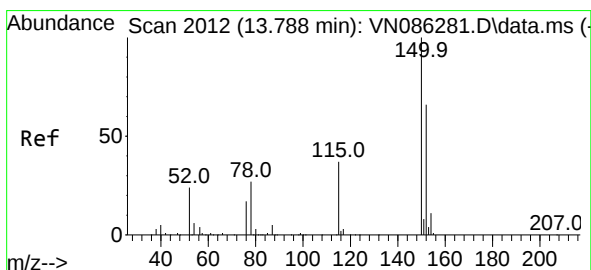
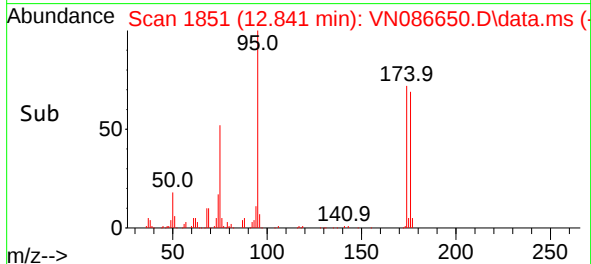
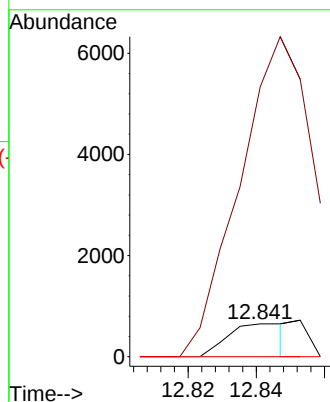
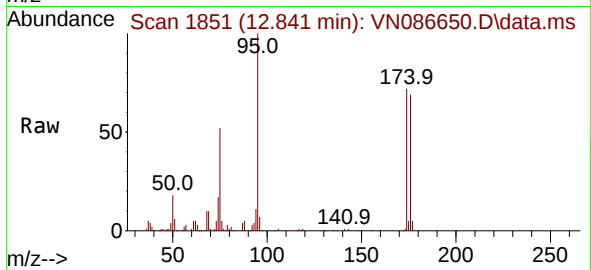




#71
Bromoform
Concen: 0.337 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN086650.D
Acq: 15 May 2025 17:12

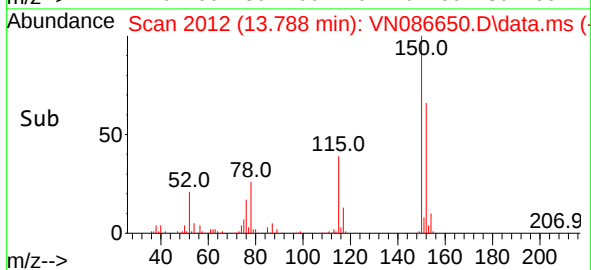
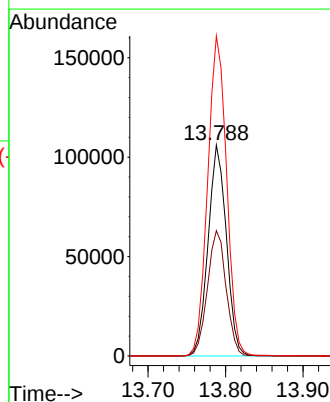
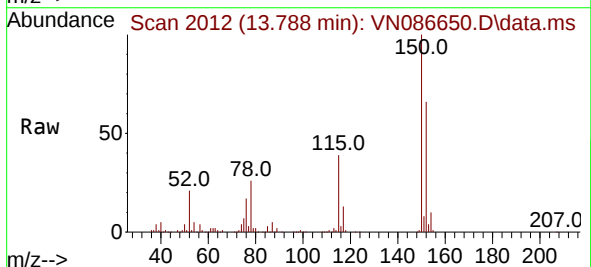
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#12

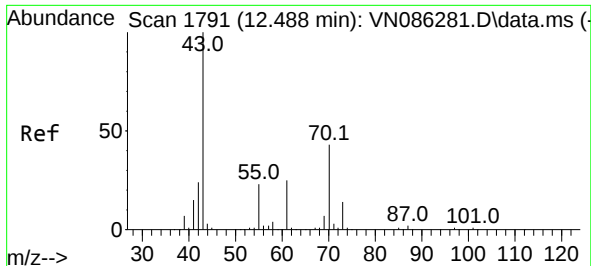
Tgt Ion:173 Resp: 768
Ion Ratio Lower Upper
173 100
175 1066.8 24.6 73.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN086650.D
Acq: 15 May 2025 17:12

Tgt Ion:152 Resp: 174204
Ion Ratio Lower Upper
152 100
115 60.7 31.9 95.9
150 156.9 0.0 352.0

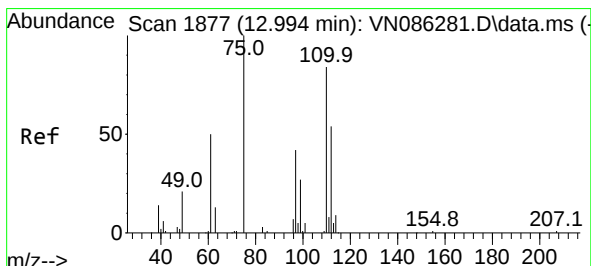
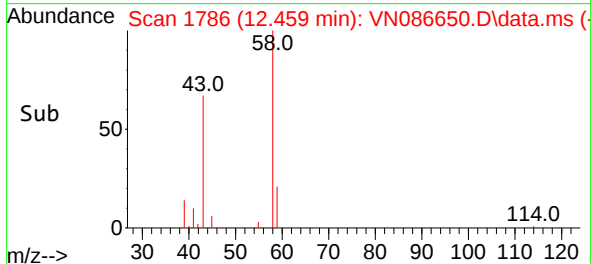
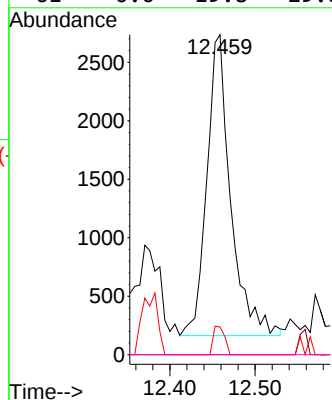
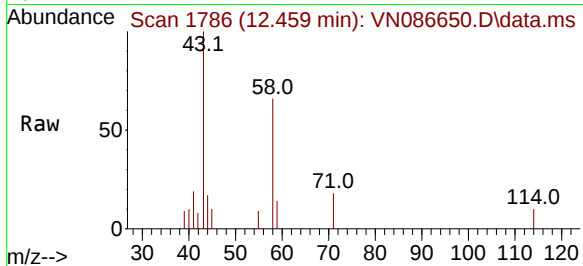




#74
N-amy1 acetate
Concen: 0.704 ug/l
RT: 12.459 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN086650.D
Acq: 15 May 2025 17:12

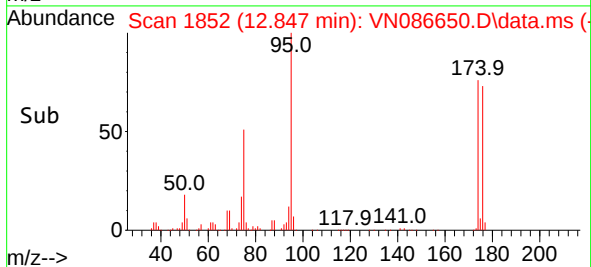
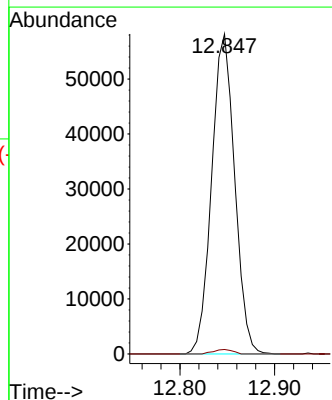
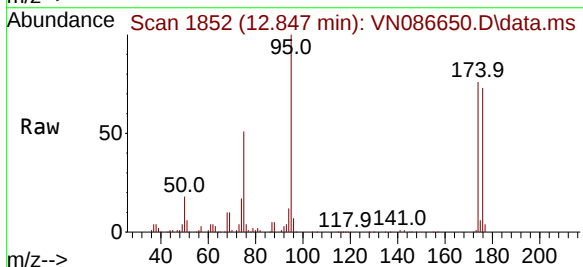
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#12

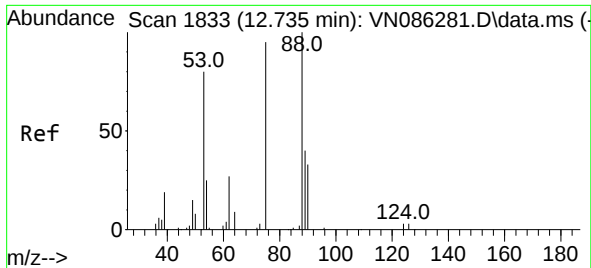
Tgt Ion: 43	Resp: 4995
Ion Ratio	Lower Upper
43	100
70	0.0 35.0 52.4#
55	4.5 19.0 28.4#
61	0.0 19.8 29.8#



#76
1,2,3-Trichloropropane
Concen: 23.891 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086650.D
Acq: 15 May 2025 17:12

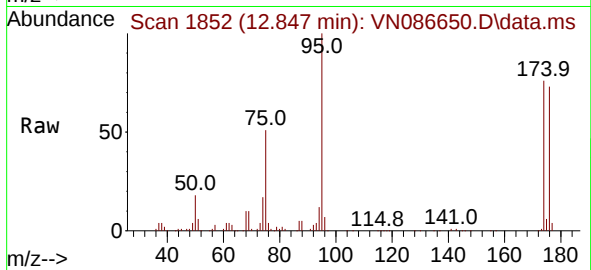
Tgt Ion: 75	Resp: 98214
Ion Ratio	Lower Upper
75	100
77	1.2 98.8 296.4#





#81
trans-1,4-Dichloro-2-butene
Concen: 57.377 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN086650.D
Acq: 15 May 2025 17:12

Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#12



Tgt Ion: 75 Resp: 98214
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

