

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051525\
 Data File : VN086655.D
 Acq On : 15 May 2025 19:13
 Operator : JC\MD
 Sample : PB167995ZHE#17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167995ZHE#17

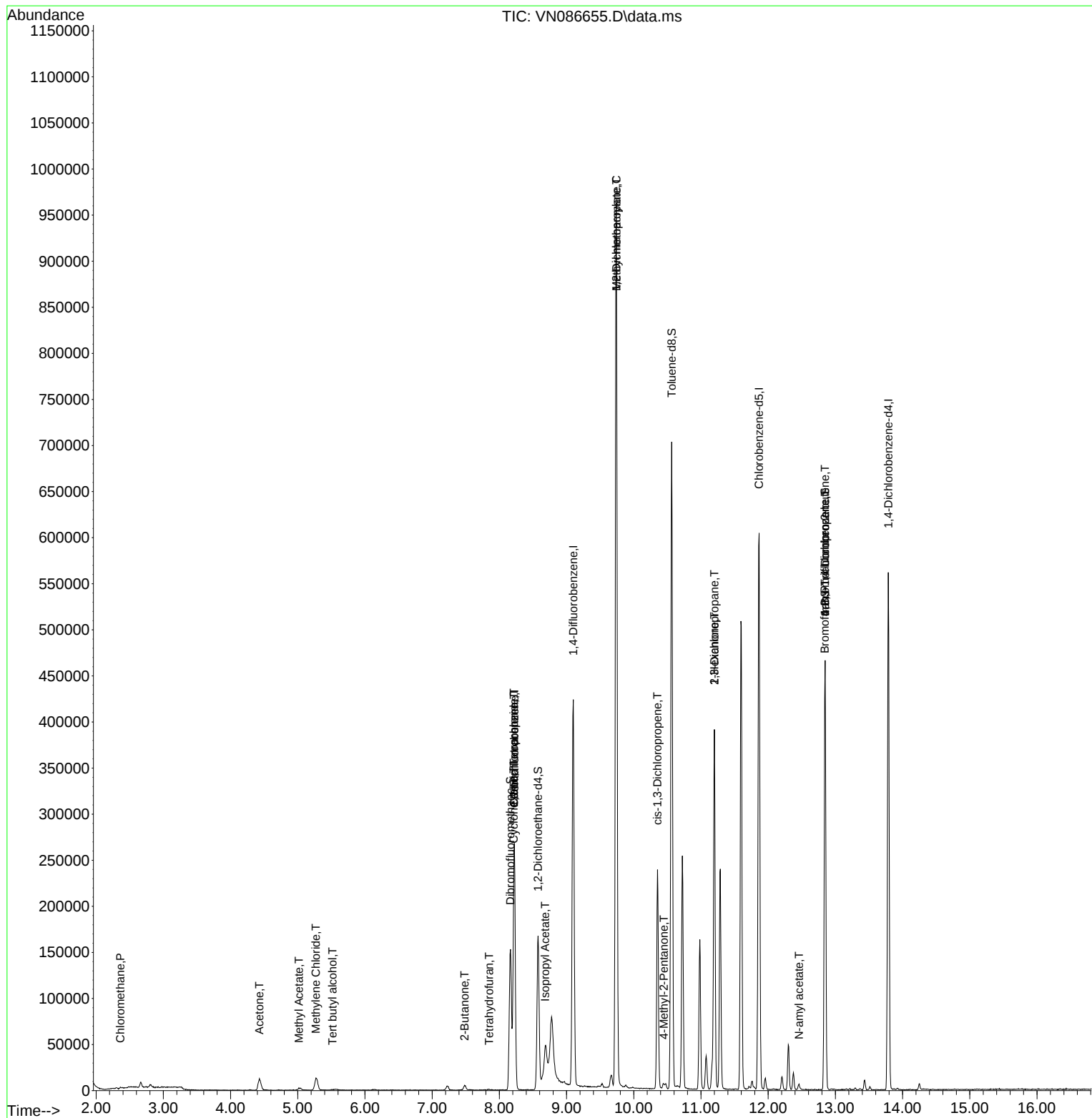
Quant Time: May 16 05:33:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

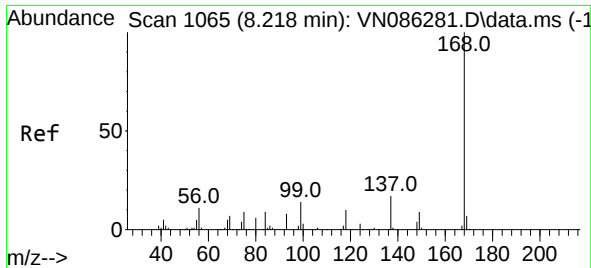
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	201087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	380727	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	364909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	155348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	138583	47.526	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.060%
35) Dibromofluoromethane	8.165	113	115941	65.614	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	131.220%#
50) Toluene-d8	10.565	98	489243	51.806	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.620%
62) 4-Bromofluorobenzene	12.847	95	171082	49.668	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.340%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	801	0.231	ug/l	95
11) Tert butyl alcohol	5.518	59	1056	1.985	ug/l #	72
16) Acetone	4.430	43	25278	19.819	ug/l	97
18) Methyl Acetate	5.018	43	2700	0.771	ug/l #	66
20) Methylene Chloride	5.271	84	11877	4.406	ug/l #	77
25) 2-Butanone	7.482	43	9368	5.161	ug/l	100
29) Tetrahydrofuran	7.847	42	877	0.723	ug/l #	37
31) Cyclohexane	8.212	56	3973	0.841	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	16066	4.552	ug/l #	49
38) Carbon Tetrachloride	8.218	117	20147	5.994	ug/l #	16
43) Isopropyl Acetate	8.682	43	73340	9.309	ug/l #	73
45) 1,2-Dichloropropane	9.741	63	1362	0.492	ug/l #	43
48) Methyl methacrylate	9.741	41	85361	26.161	ug/l #	41
51) 4-Methyl-2-Pentanone	10.447	43	4553	1.197	ug/l	88
54) cis-1,3-Dichloropropene	10.353	75	45742	9.795	ug/l #	58
57) 1,3-Dichloropropane	11.200	76	4044	0.898	ug/l #	43
59) 2-Hexanone	11.200	43	75918	26.901	ug/l #	44
71) Bromoform	12.841	173	1003	0.496	ug/l #	1
74) N-amyl acetate	12.459	43	4754	0.751	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	86062	23.476	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	86062	56.380	ug/l #	10

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

Quant Time: May 16 05:33:17 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

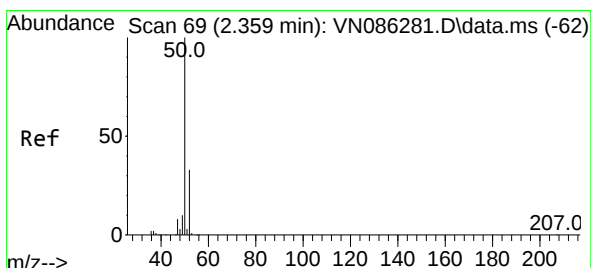
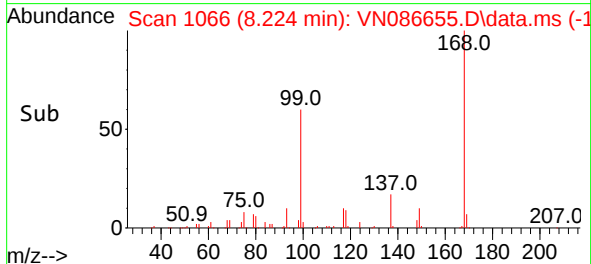
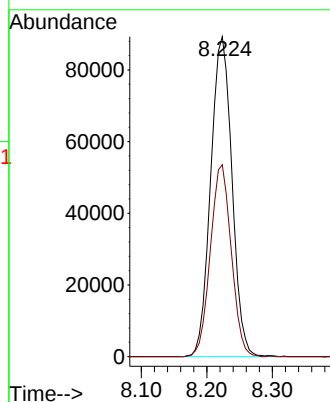
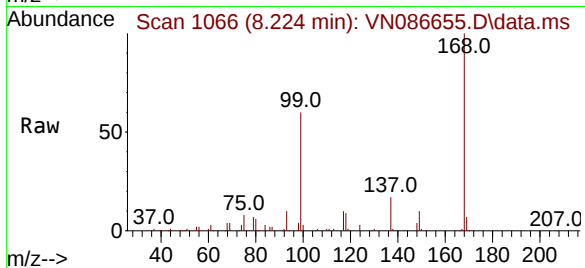




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086655.D
Acq: 15 May 2025 19:13

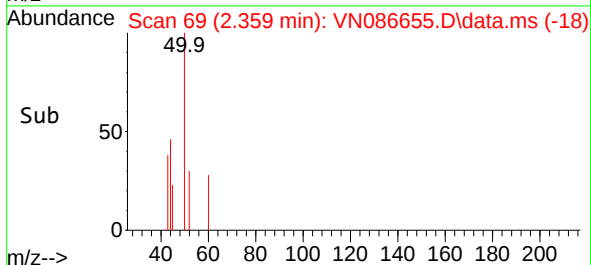
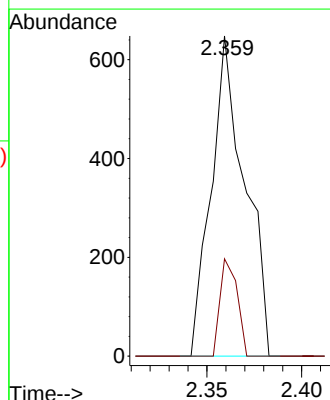
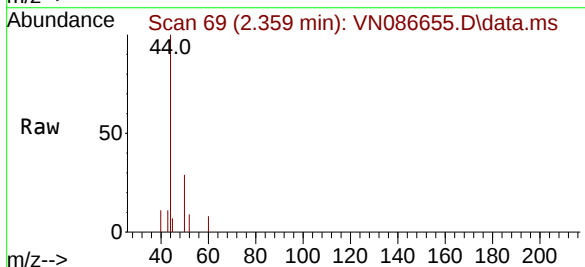
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#17

Tgt Ion:168 Resp: 201087
Ion Ratio Lower Upper
168 100
99 60.0 52.5 78.7



#3
Chloromethane
Concen: 0.231 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086655.D
Acq: 15 May 2025 19:13

Tgt Ion: 50 Resp: 801
Ion Ratio Lower Upper
50 100
52 30.4 26.5 39.7

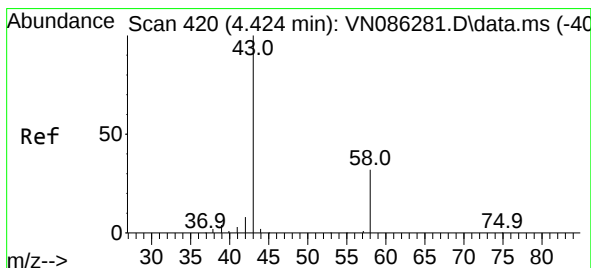
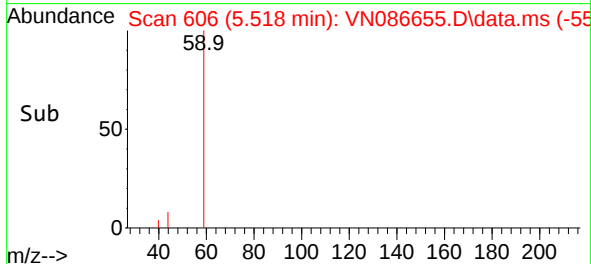
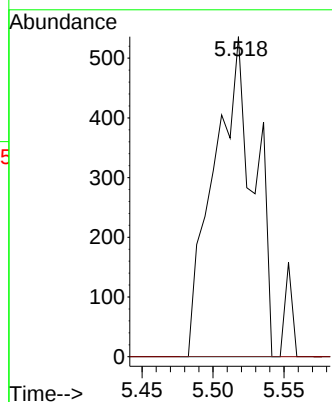
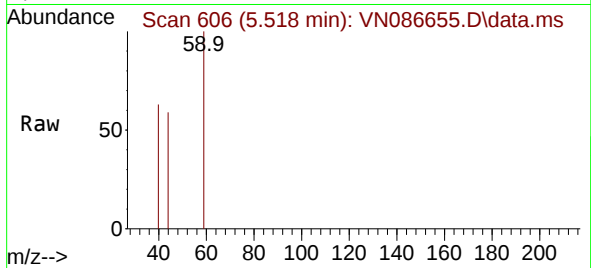




#11
Tert butyl alcohol
Concen: 1.985 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN086655.D
Acq: 15 May 2025 19:13

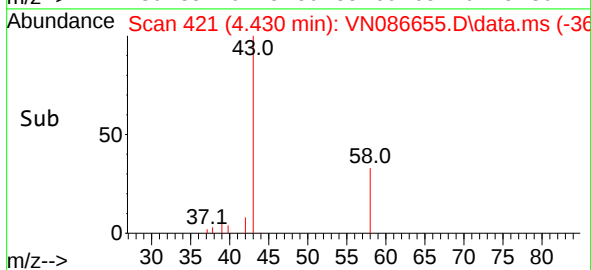
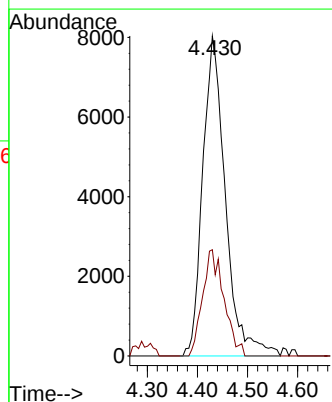
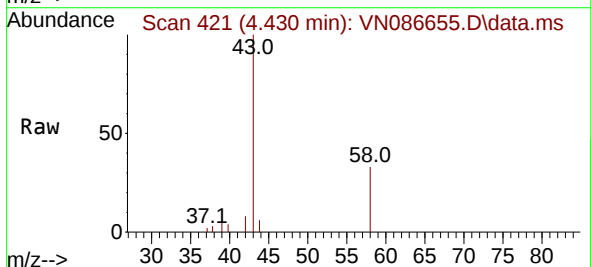
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#17

Tgt Ion: 59 Resp: 1056
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 19.819 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086655.D
Acq: 15 May 2025 19:13

Tgt Ion: 43 Resp: 25278
Ion Ratio Lower Upper
43 100
58 33.2 25.3 37.9

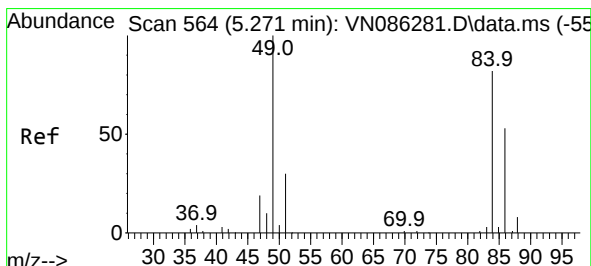
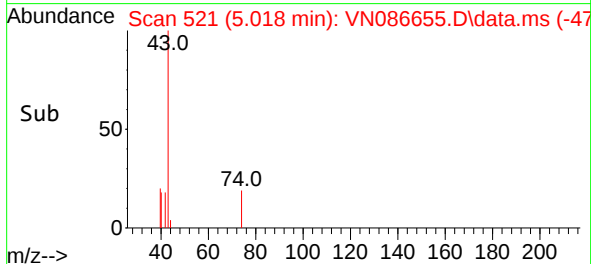
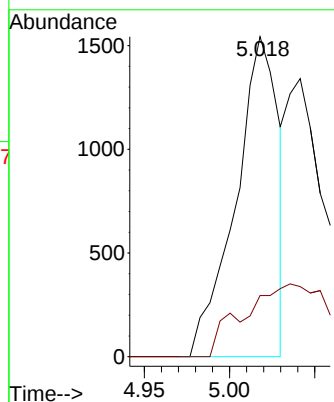
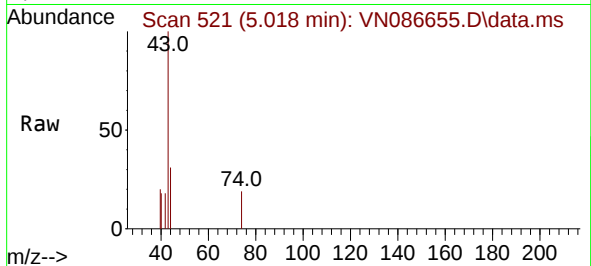




#18
Methyl Acetate
Concen: 0.771 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086655.D
Acq: 15 May 2025 19:13

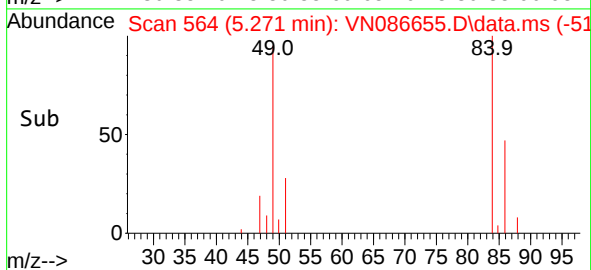
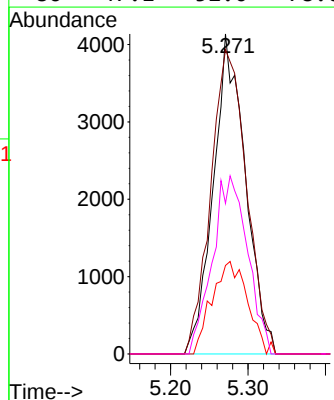
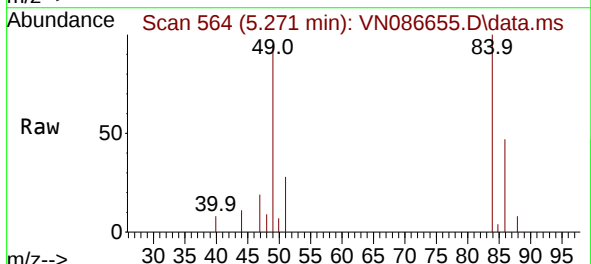
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#17

Tgt Ion: 43 Resp: 2700
Ion Ratio Lower Upper
43 100
74 41.6 19.8 29.6#



#20
Methylene Chloride
Concen: 4.406 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN086655.D
Acq: 15 May 2025 19:13

Tgt Ion: 84 Resp: 11877
Ion Ratio Lower Upper
84 100
49 95.2 98.2 147.2#
51 27.7 29.8 44.6#
86 47.1 52.0 78.0#

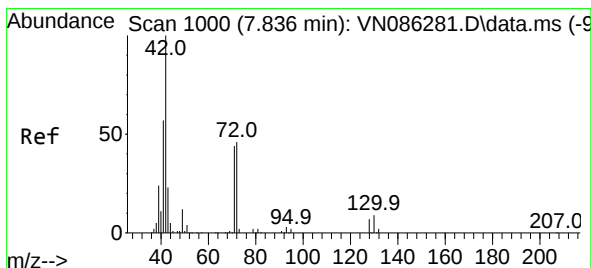
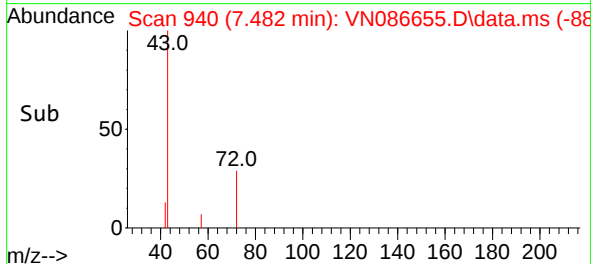
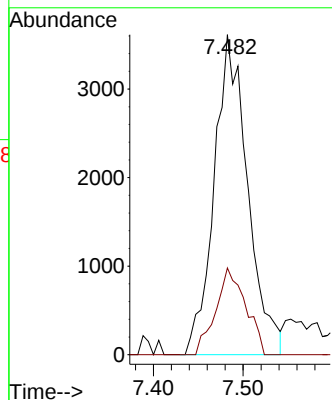
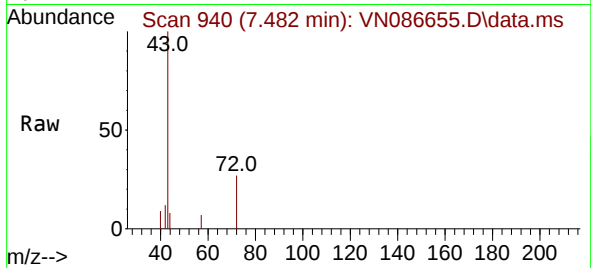




#25
2-Butanone
Concen: 5.161 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN086655.D
Acq: 15 May 2025 19:13

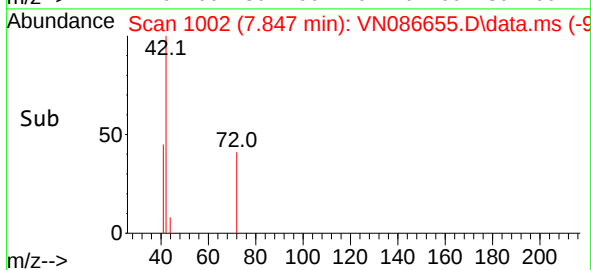
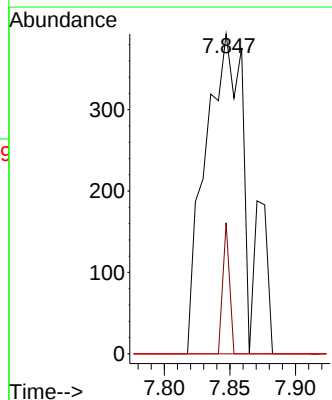
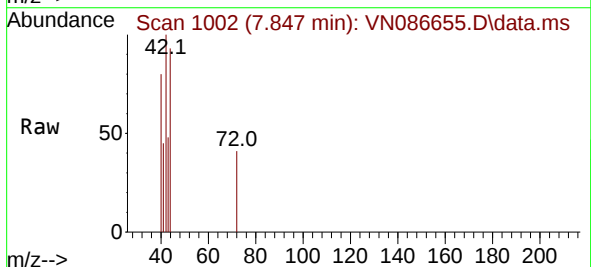
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#17

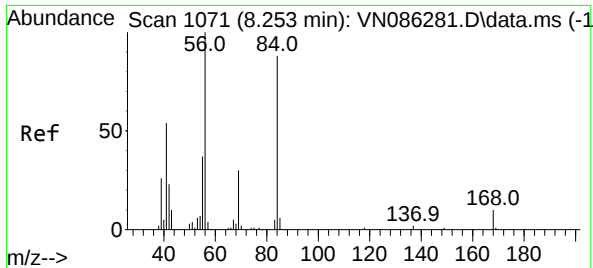
Tgt Ion: 43 Resp: 9368
Ion Ratio Lower Upper
43 100
72 27.1 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.723 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN086655.D
Acq: 15 May 2025 19:13

Tgt Ion: 42 Resp: 877
Ion Ratio Lower Upper
42 100
72 6.5 36.2 54.4#
71 0.0 34.0 51.0#

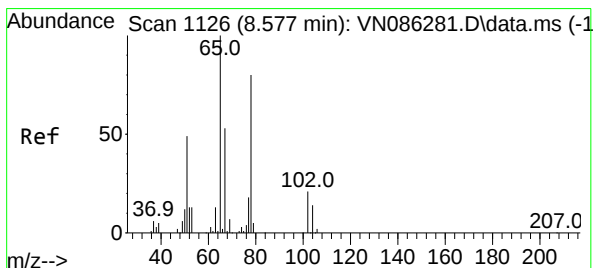
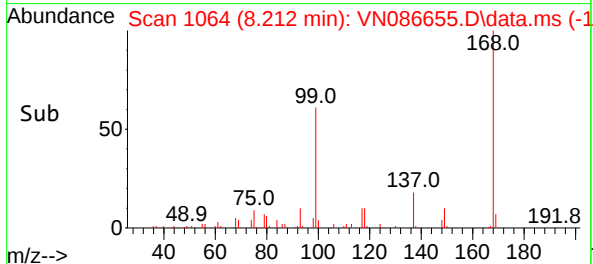
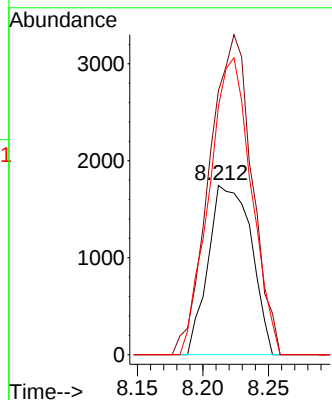
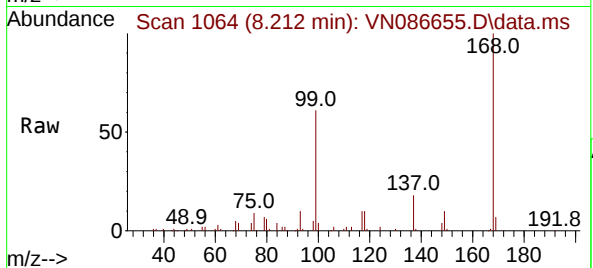




#31
Cyclohexane
Concen: 0.841 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.041 min
Lab File: VN086655.D
Acq: 15 May 2025 19:13

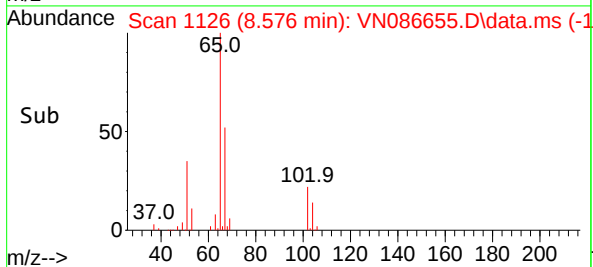
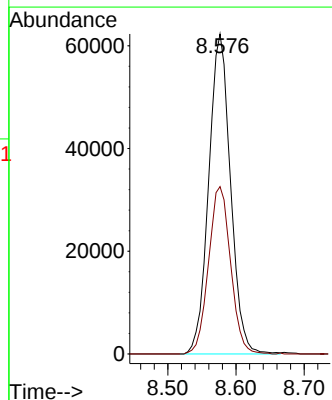
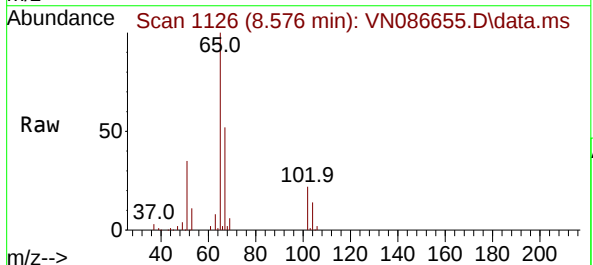
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#17

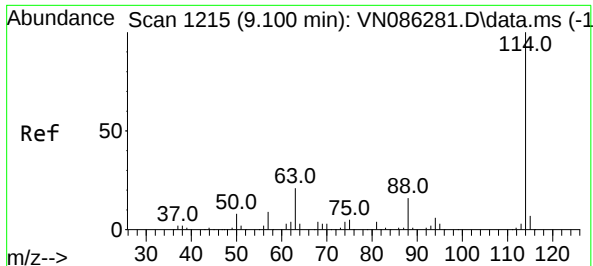
Tgt Ion: 56 Resp: 3973
Ion Ratio Lower Upper
56 100
69 155.9 24.2 36.2#
84 146.7 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 47.526 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086655.D
Acq: 15 May 2025 19:13

Tgt Ion: 65 Resp: 138583
Ion Ratio Lower Upper
65 100
67 52.9 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: VN086655.D

Acq: 15 May 2025 19:13

Instrument :

MSVOA_N

ClientSampleId :

PB167995ZHE#17

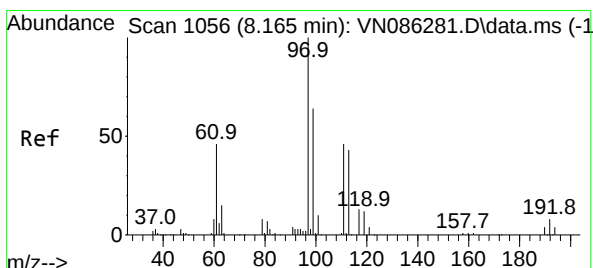
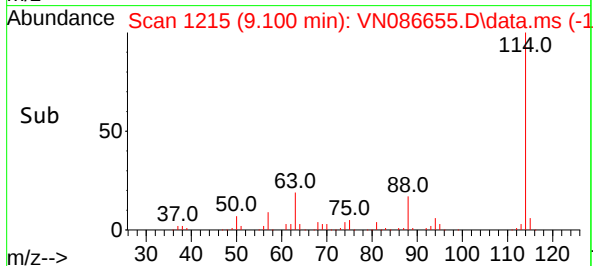
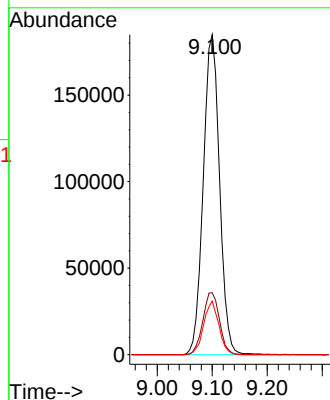
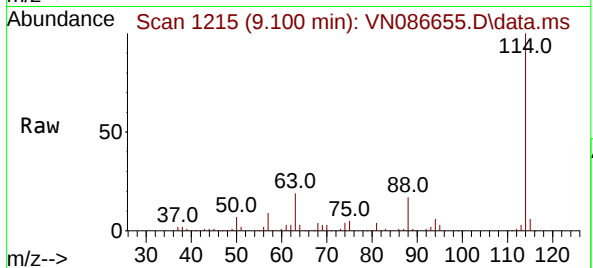
Tgt Ion:114 Resp: 380727

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.6

88 16.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 65.614 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086655.D

Acq: 15 May 2025 19:13

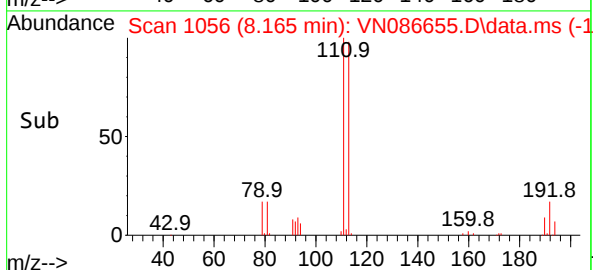
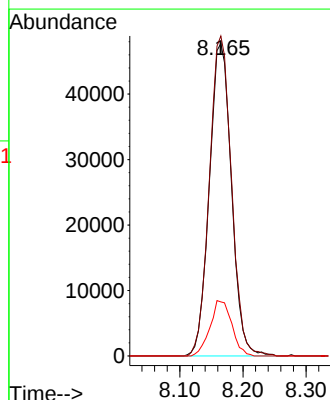
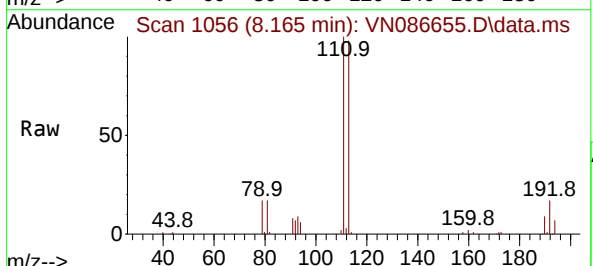
Tgt Ion:113 Resp: 115941

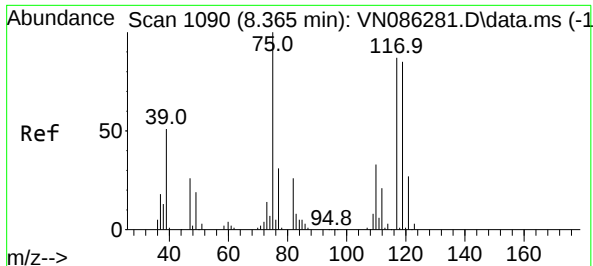
Ion Ratio Lower Upper

113 100

111 102.2 83.4 125.0

192 17.5 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.552 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086655.D

Acq: 15 May 2025 19:13

Instrument :

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PB167995ZHE#17

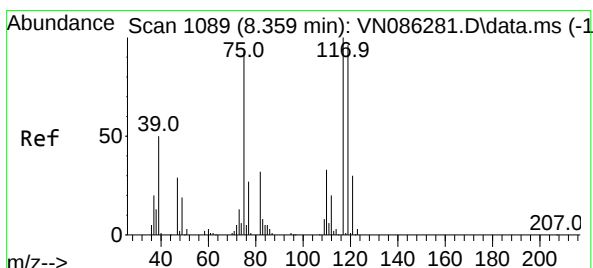
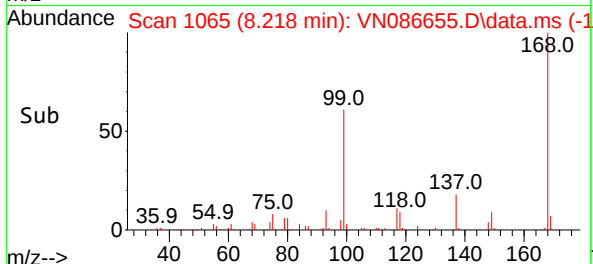
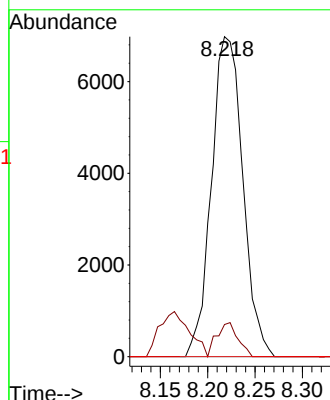
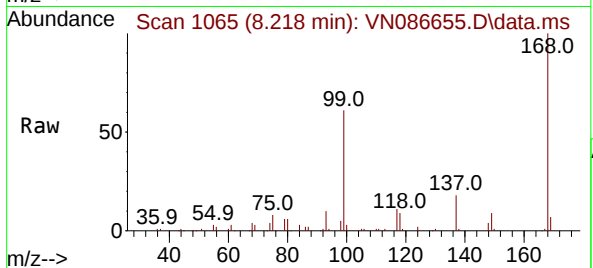
Tgt Ion: 75 Resp: 16066

Ion Ratio Lower Upper

75 100

110 7.2 16.8 50.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.994 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN086655.D

Acq: 15 May 2025 19:13

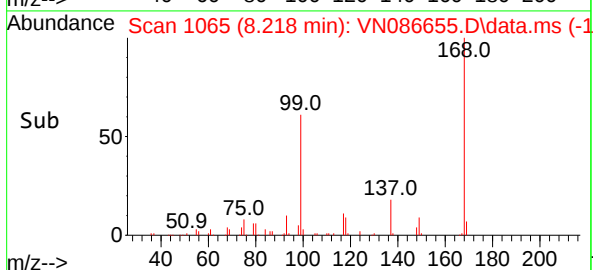
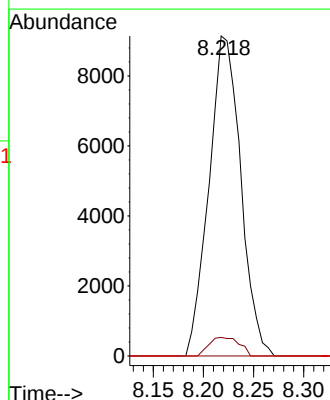
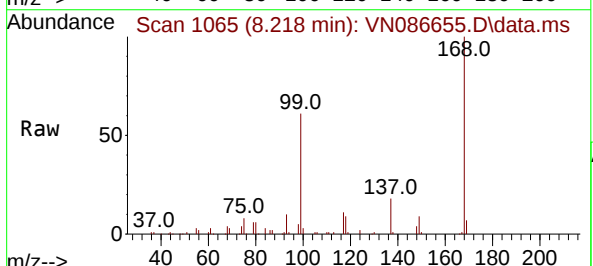
Tgt Ion: 117 Resp: 20147

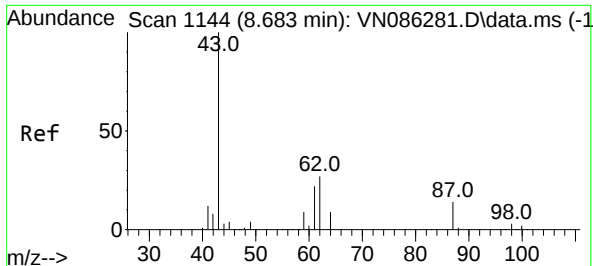
Ion Ratio Lower Upper

117 100

119 5.8 76.8 115.2#

121 0.0 23.8 35.8#





#43

Isopropyl Acetate

Concen: 9.309 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.001 min

Lab File: VN086655.D

Acq: 15 May 2025 19:13

Instrument :

MSVOA_N

ClientSampleId :

PB167995ZHE#17

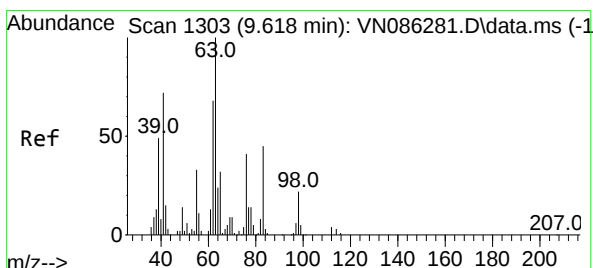
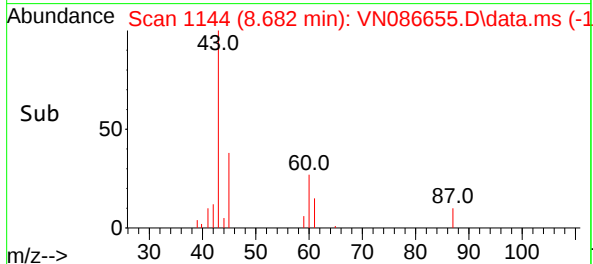
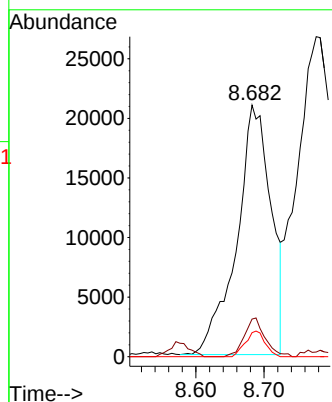
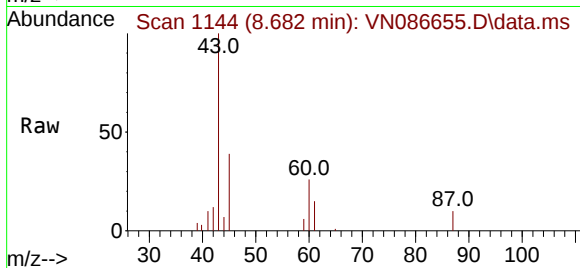
Tgt Ion: 43 Resp: 73340

Ion Ratio Lower Upper

43 100

61 9.4 20.5 30.7#

87 5.8 10.5 15.7#



#45

1,2-Dichloropropane

Concen: 0.492 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.123 min

Lab File: VN086655.D

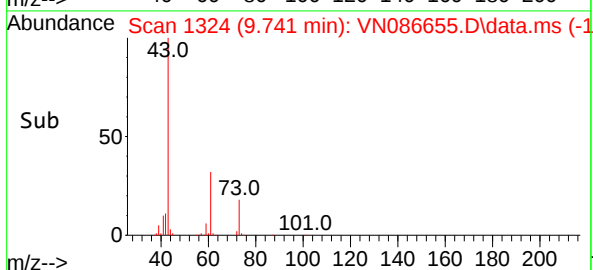
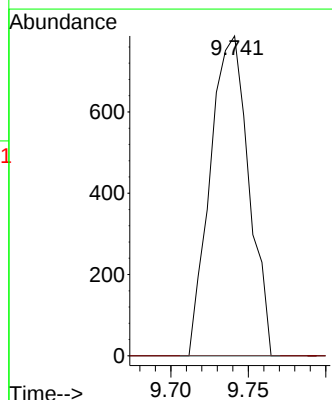
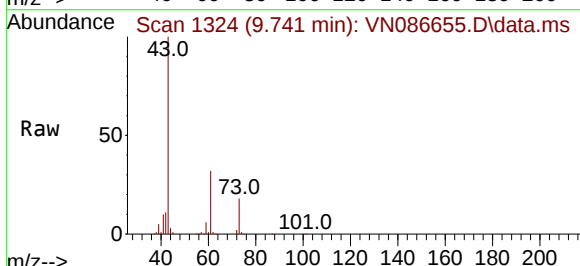
Acq: 15 May 2025 19:13

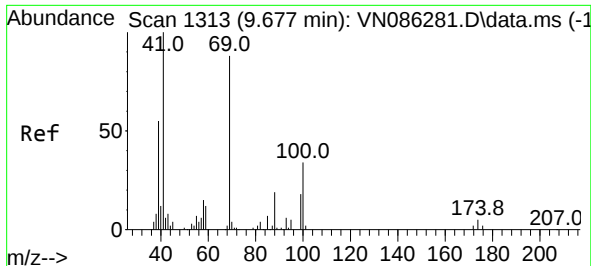
Tgt Ion: 63 Resp: 1362

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.2#

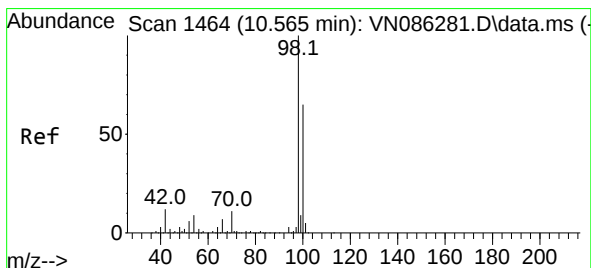
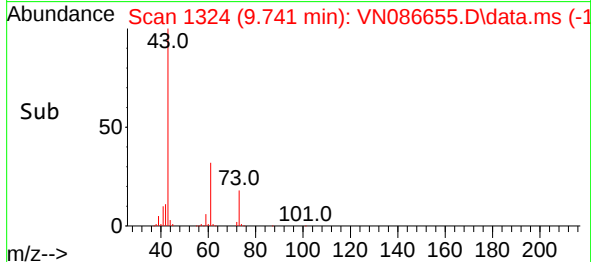
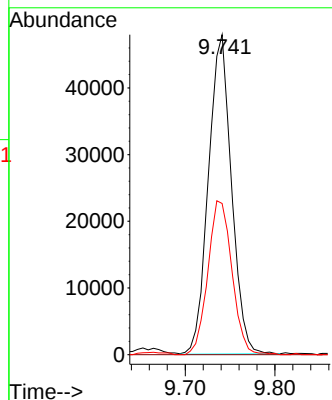
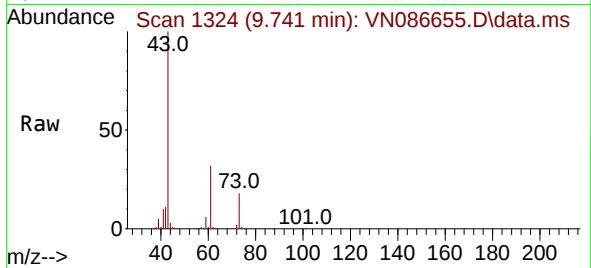




#48
Methyl methacrylate
Concen: 26.161 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN086655.D
Acq: 15 May 2025 19:13

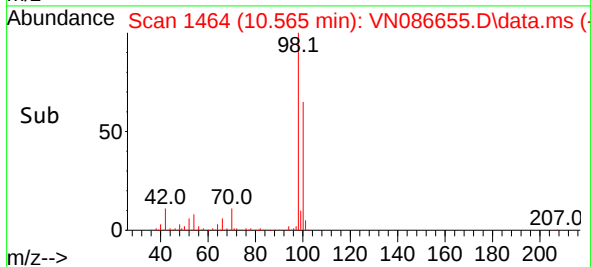
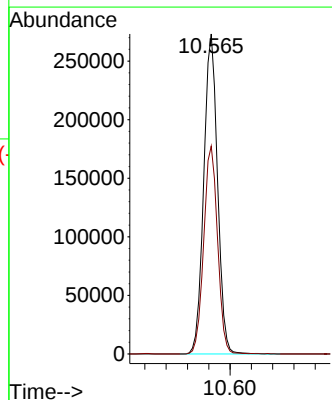
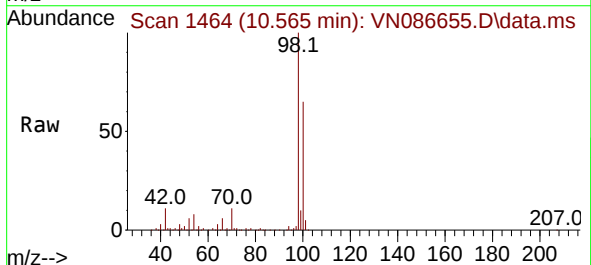
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#17

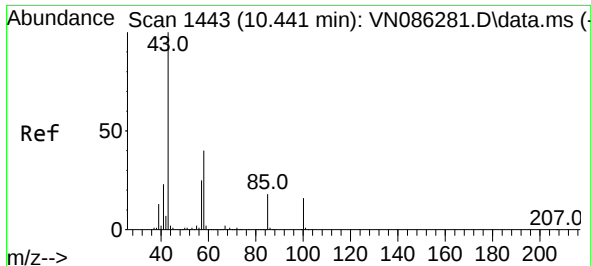
Tgt Ion: 41 Resp: 85361
Ion Ratio Lower Upper
41 100
69 0.0 68.2 102.2#
39 50.4 45.2 67.8



#50
Toluene-d8
Concen: 51.806 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086655.D
Acq: 15 May 2025 19:13

Tgt Ion: 98 Resp: 489243
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 1.197 ug/l

RT: 10.447 min Scan# 1443

Delta R.T. 0.006 min

Lab File: VN086655.D

Acq: 15 May 2025 19:13

Instrument :

MSVOA_N

ClientSampleId :

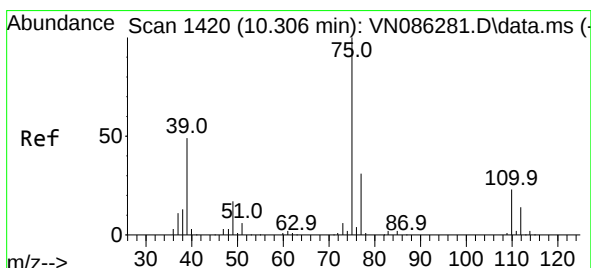
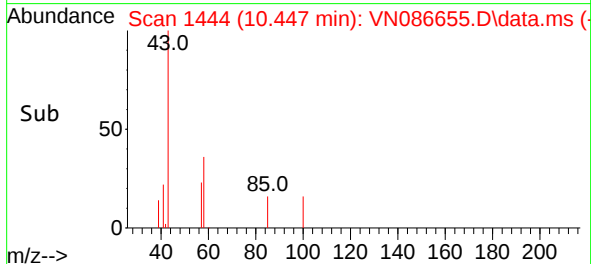
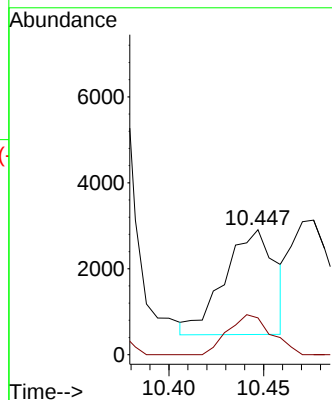
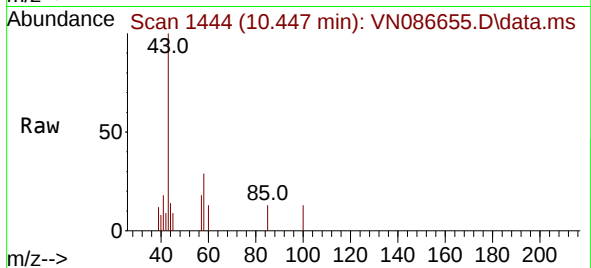
PB167995ZHE#17

Tgt Ion: 43 Resp: 4553

Ion Ratio Lower Upper

43 100

58 32.7 32.2 48.4



#54

cis-1,3-Dichloropropene

Concen: 9.795 ug/l

RT: 10.353 min Scan# 1428

Delta R.T. 0.047 min

Lab File: VN086655.D

Acq: 15 May 2025 19:13

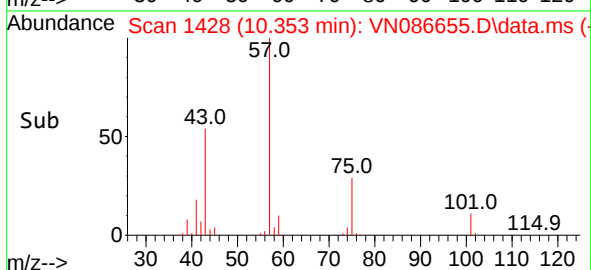
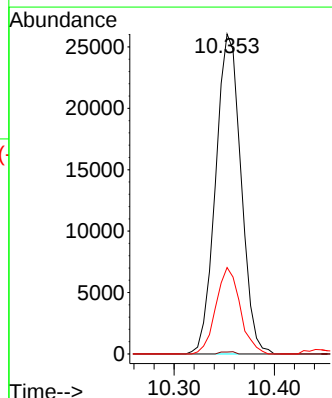
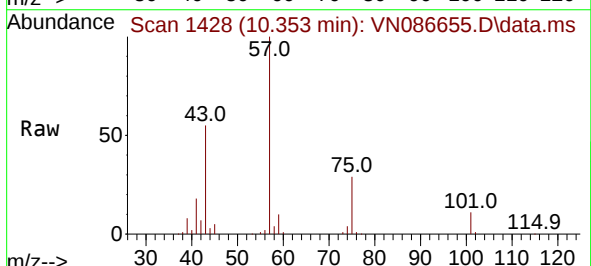
Tgt Ion: 75 Resp: 45742

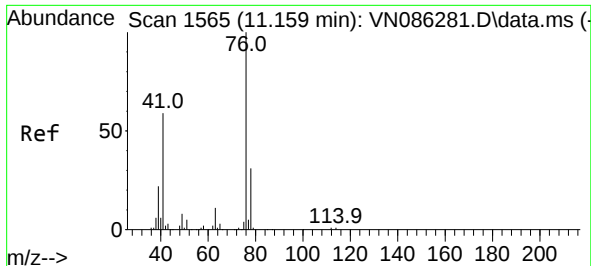
Ion Ratio Lower Upper

75 100

77 0.6 25.2 37.8#

39 27.0 39.3 58.9#





#57

1,3-Dichloropropane

Concen: 0.898 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN086655.D

Acq: 15 May 2025 19:13

Instrument :

MSVOA_N

ClientSampleId :

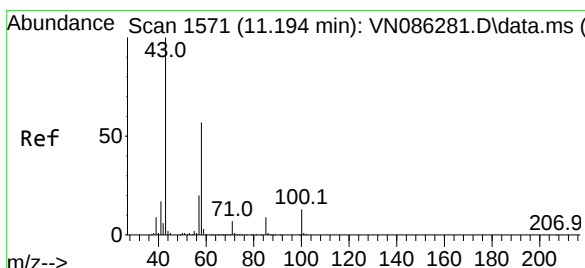
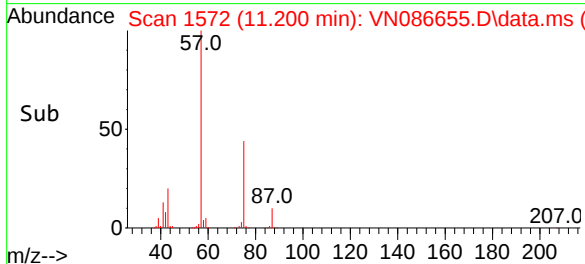
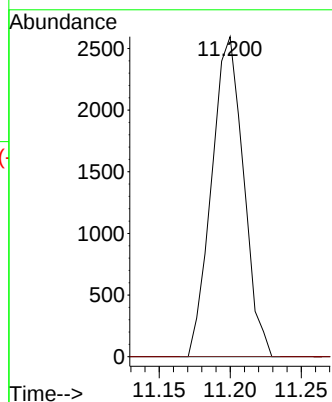
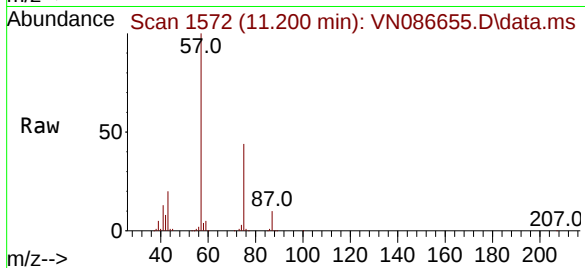
PB167995ZHE#17

Tgt Ion: 76 Resp: 4044

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 26.901 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086655.D

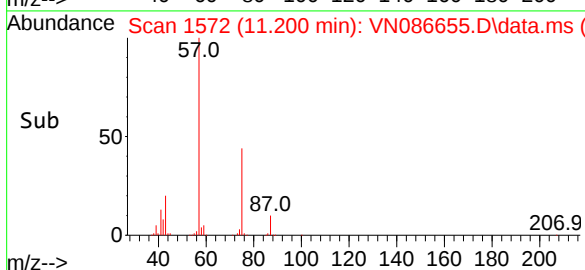
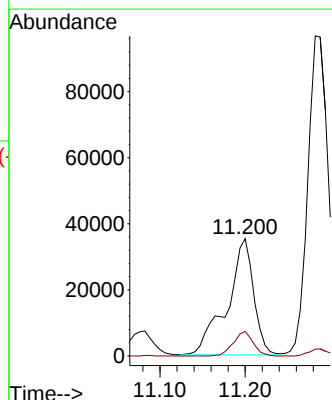
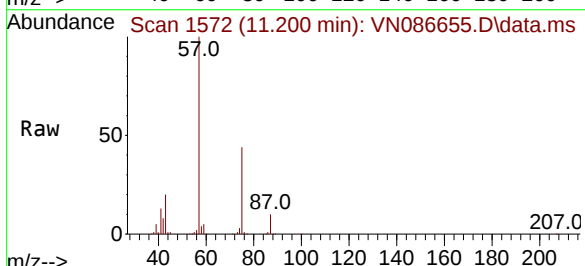
Acq: 15 May 2025 19:13

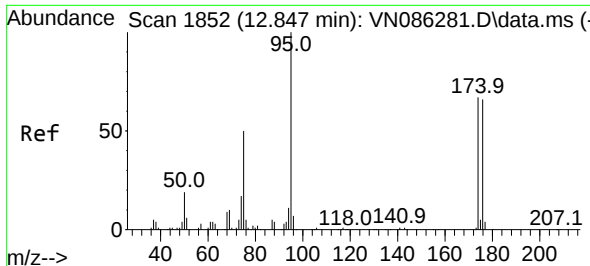
Tgt Ion: 43 Resp: 75918

Ion Ratio Lower Upper

43 100

58 15.8 28.3 85.0#

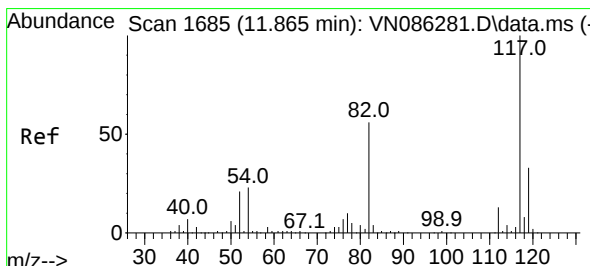
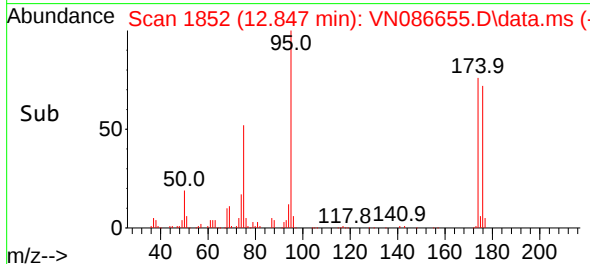
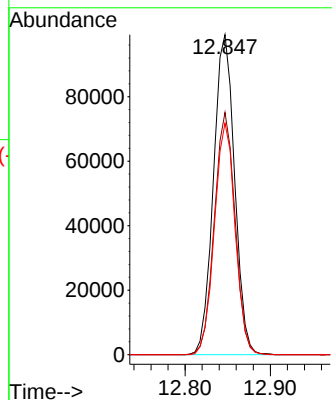
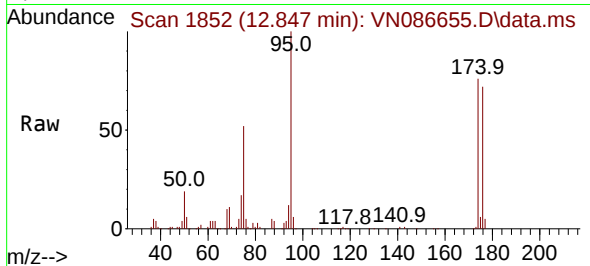




#62
4-Bromofluorobenzene
Concen: 49.668 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086655.D
Acq: 15 May 2025 19:13

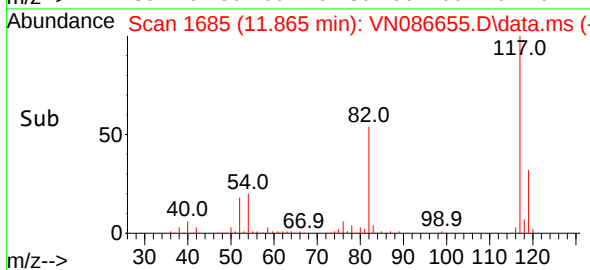
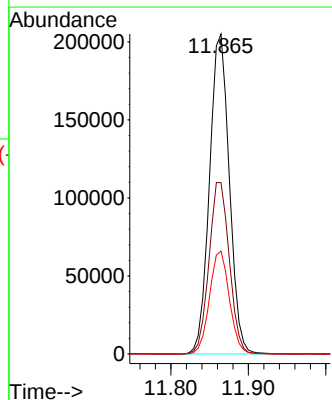
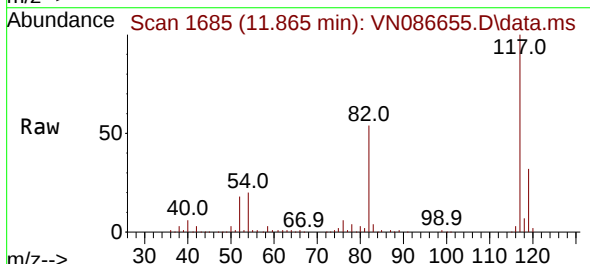
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#17

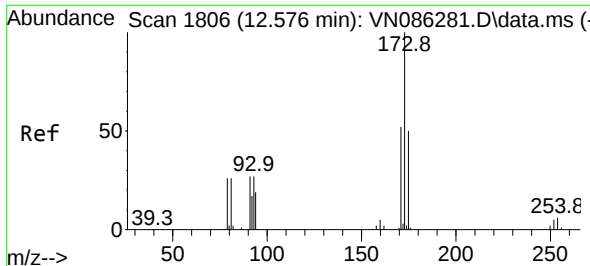
Tgt Ion: 95 Resp: 171082
Ion Ratio Lower Upper
95 100
174 74.2 0.0 133.4
176 70.9 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086655.D
Acq: 15 May 2025 19:13

Tgt Ion: 117 Resp: 364909
Ion Ratio Lower Upper
117 100
82 53.6 44.7 67.1
119 32.1 26.4 39.6

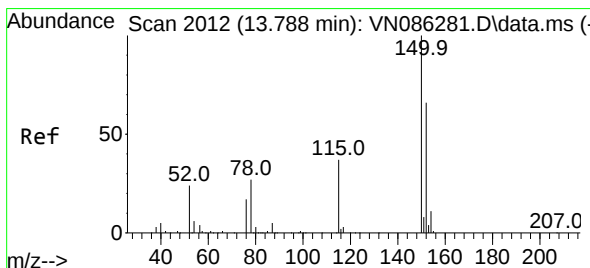
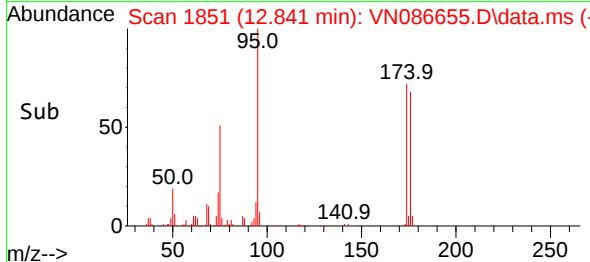
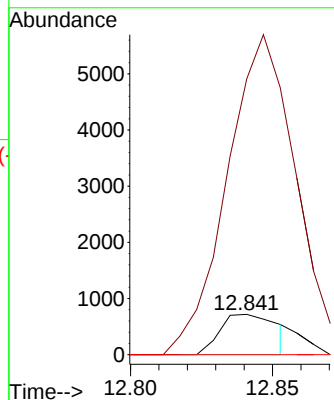
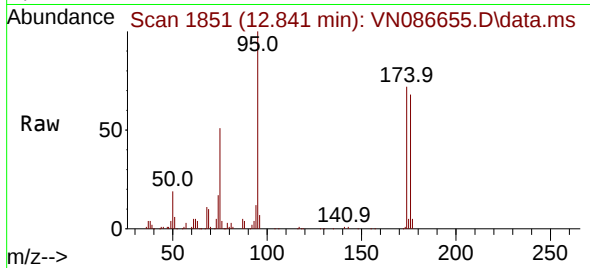




#71
Bromoform
Concen: 0.496 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN086655.D
Acq: 15 May 2025 19:13

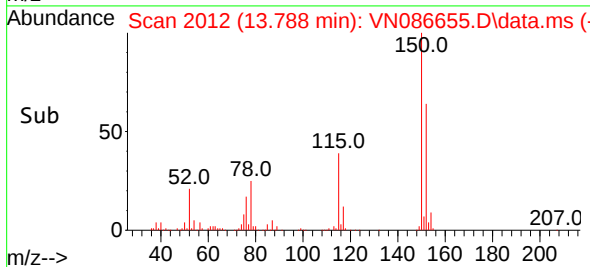
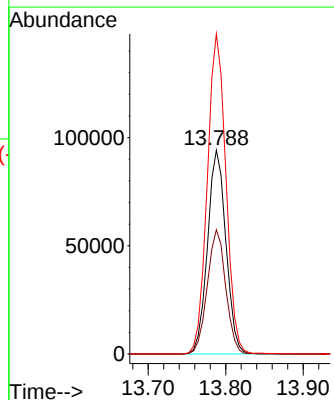
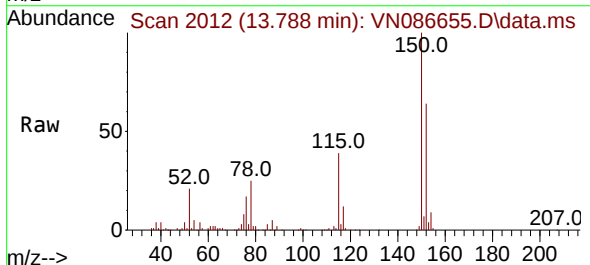
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#17

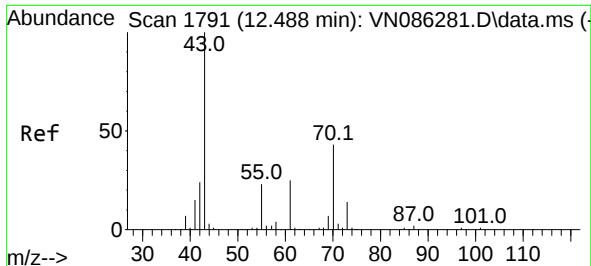
Tgt Ion:173 Resp: 1003
Ion Ratio Lower Upper
173 100
175 765.7 24.6 73.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086655.D
Acq: 15 May 2025 19:13

Tgt Ion:152 Resp: 155348
Ion Ratio Lower Upper
152 100
115 60.9 31.9 95.9
150 158.4 0.0 352.0

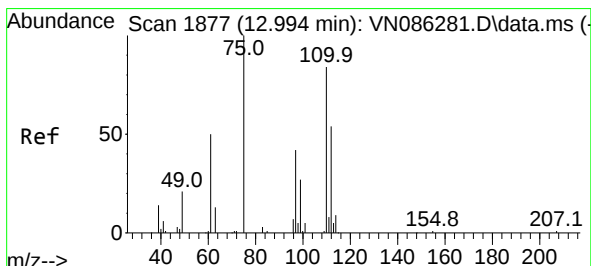
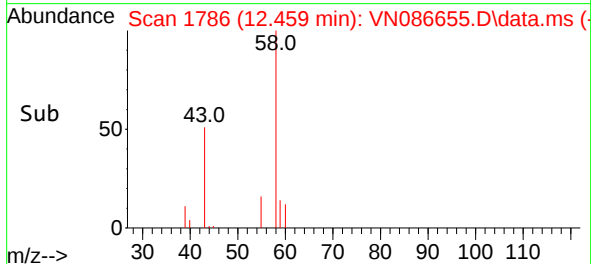
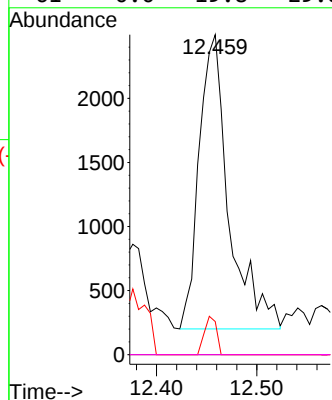
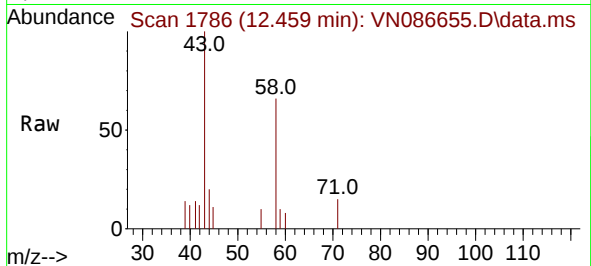




#74
N-amy1 acetate
Concen: 0.751 ug/l
RT: 12.459 min Scan# 1
Delta R.T. -0.030 min
Lab File: VN086655.D
Acq: 15 May 2025 19:13

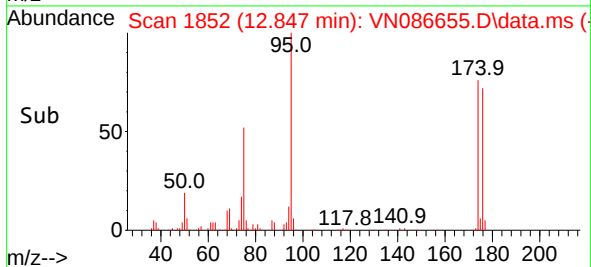
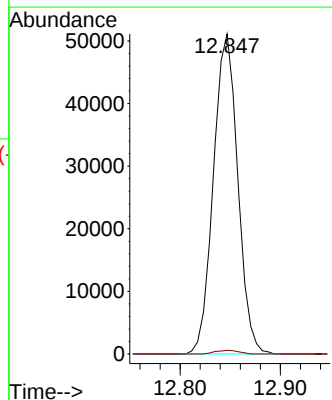
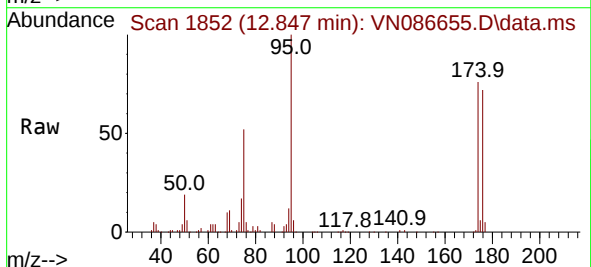
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#17

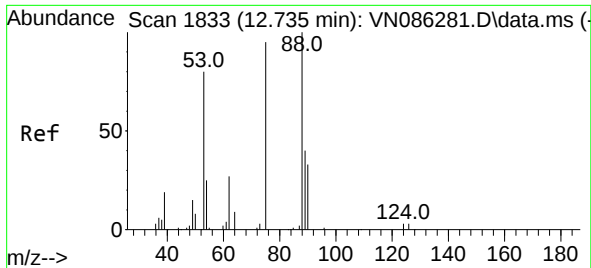
Tgt Ion: 43	Resp: 4754
Ion Ratio	Lower Upper
43 100	
70 0.0	35.0 52.4#
55 5.3	19.0 28.4#
61 0.0	19.8 29.8#



#76
1,2,3-Trichloropropane
Concen: 23.476 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086655.D
Acq: 15 May 2025 19:13

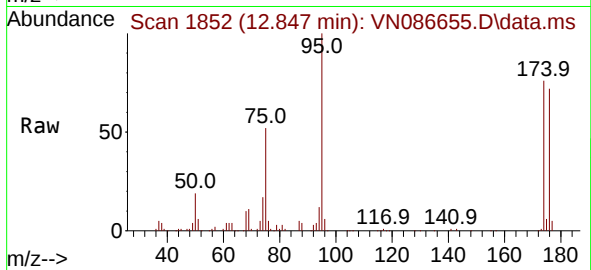
Tgt Ion: 75	Resp: 86062
Ion Ratio	Lower Upper
75 100	
77 1.1	98.8 296.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.380 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086655.D
 Acq: 15 May 2025 19:13

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167995ZHE#17



Tgt Ion: 75 Resp: 86062
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.2 118.8#
 89 0.0 35.7 53.5#

