

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051325\
 Data File : VN086611.D
 Acq On : 13 May 2025 19:01
 Operator : JC\MD
 Sample : PB167964ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167964ZHE#09

Quant Time: May 14 01:49:56 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)

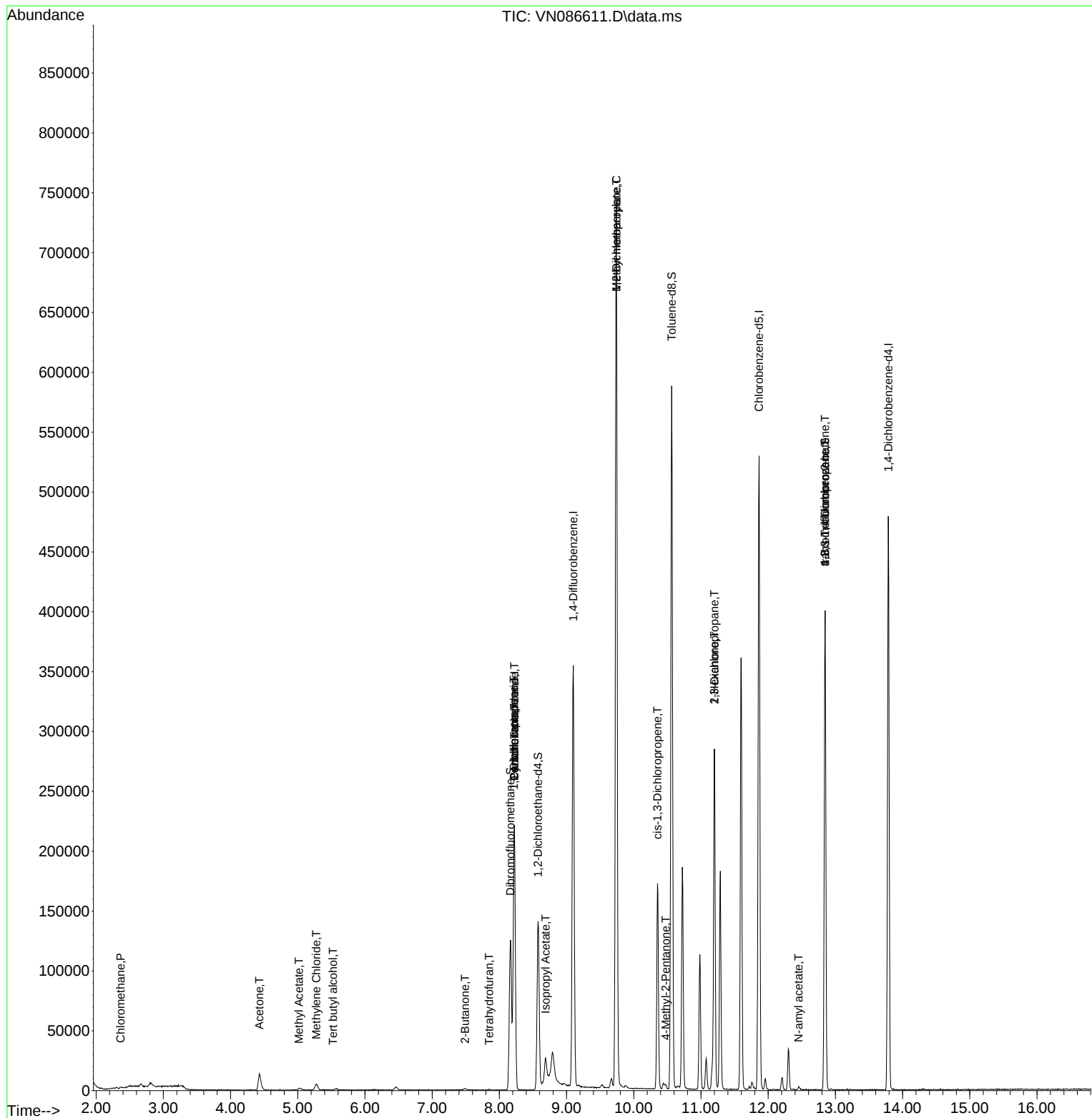
Internal Standards						
1) Pentafluorobenzene	8.224	168	162142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	315832	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	307339	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118331	50.328	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 100.660%		
35) Dibromofluoromethane	8.165	113	94709	64.612	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 129.220%#		
50) Toluene-d8	10.565	98	411781	52.563	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 105.120%		
62) 4-Bromofluorobenzene	12.847	95	142983	50.040	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 100.080%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	634	0.227	ug/l #	42
11) Tert butyl alcohol	5.524	59	123	0.287	ug/l #	72
16) Acetone	4.430	43	25515	26.280	ug/l	99
18) Methyl Acetate	5.018	43	3611	1.279	ug/l #	87
20) Methylene Chloride	5.277	84	4043	1.860	ug/l	91
25) 2-Butanone	7.488	43	2858	1.953	ug/l	90
29) Tetrahydrofuran	7.847	42	477	0.487	ug/l #	41
31) Cyclohexane	8.224	56	3465	0.909	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	13564	4.633	ug/l #	50
38) Carbon Tetrachloride	8.224	117	16240	5.825	ug/l #	16
43) Isopropyl Acetate	8.688	43	37684	5.037	ug/l #	77
45) 1,2-Dichloropropane	9.741	63	826	0.360	ug/l #	43
48) Methyl methacrylate	9.741	41	66195	24.455	ug/l #	42
51) 4-Methyl-2-Pentanone	10.476	43	3046	0.965	ug/l #	35
54) cis-1,3-Dichloropropene	10.353	75	32335	8.346	ug/l #	58
57) 1,3-Dichloropropane	11.200	76	2967	0.794	ug/l #	43
59) 2-Hexanone	11.200	43	52959	22.621	ug/l #	43
74) N-amyl acetate	12.453	43	3017	0.564	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	73521	23.734	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73521	57.001	ug/l #	10

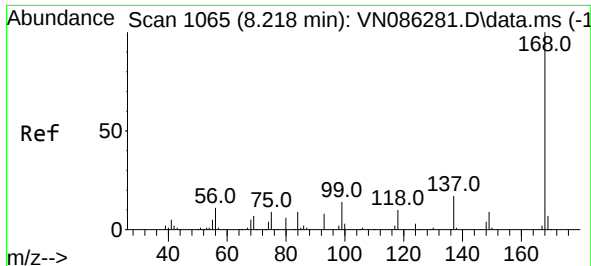
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051325\
Data File : VN086611.D
Acq On : 13 May 2025 19:01
Operator : JC\MD
Sample : PB167964ZHE#09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#09

Quant Time: May 14 01:49:56 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

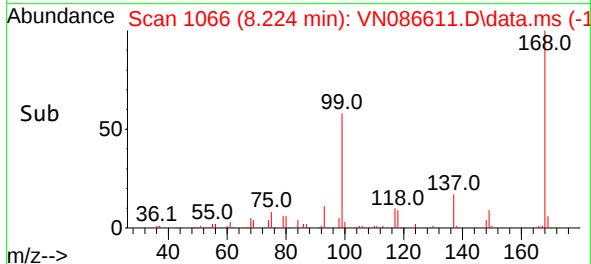
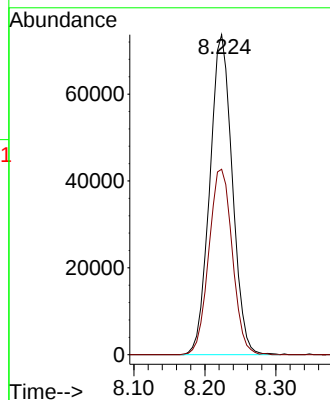
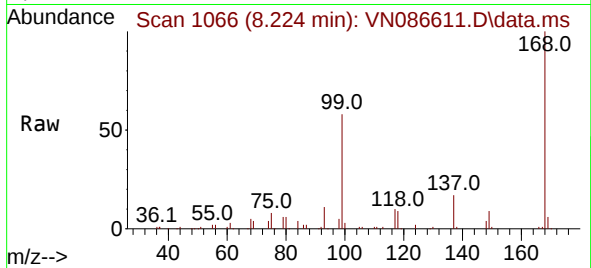




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086611.D
Acq: 13 May 2025 19:01

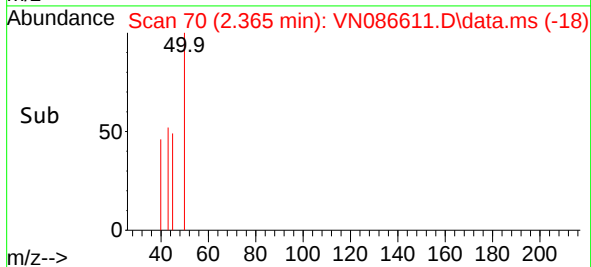
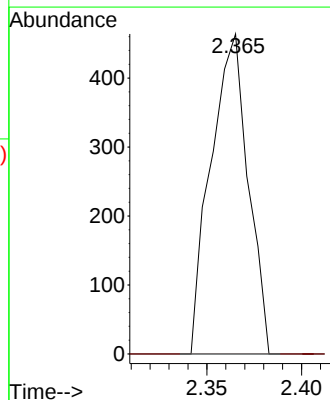
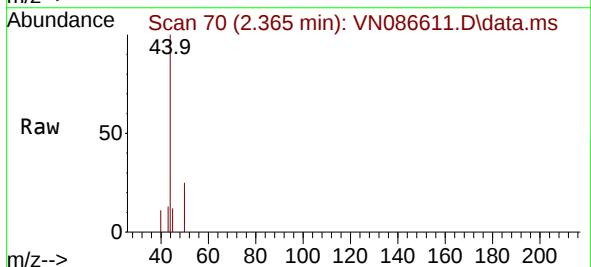
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#09

Tgt Ion:168 Resp: 162142
Ion Ratio Lower Upper
168 100
99 58.0 52.5 78.7



#3
Chloromethane
Concen: 0.227 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086611.D
Acq: 13 May 2025 19:01

Tgt Ion: 50 Resp: 634
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

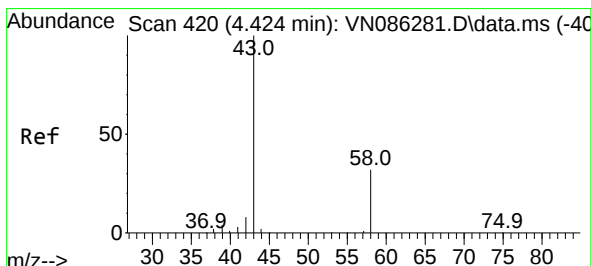
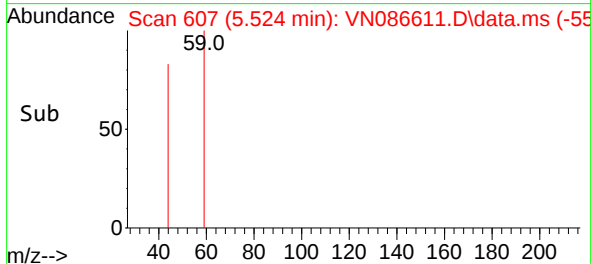
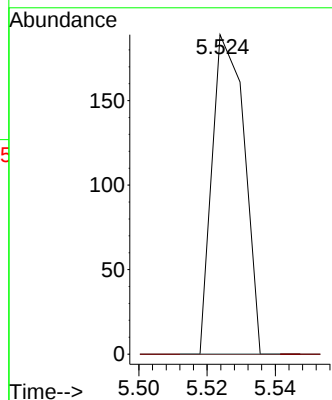
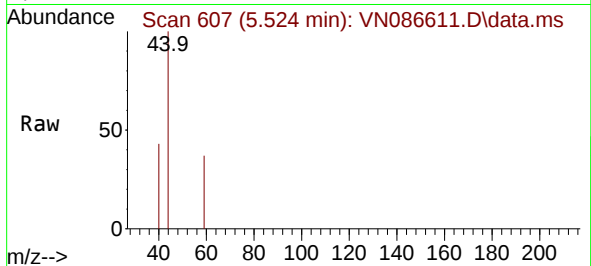




#11
Tert butyl alcohol
Concen: 0.287 ug/l
RT: 5.524 min Scan# 605
Delta R.T. 0.012 min
Lab File: VN086611.D
Acq: 13 May 2025 19:01

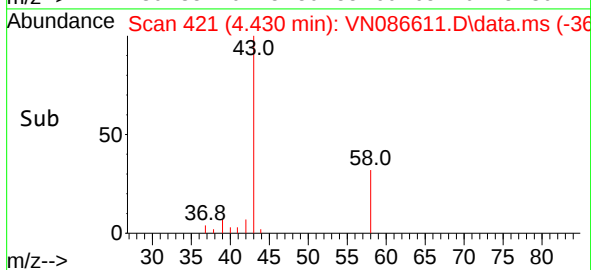
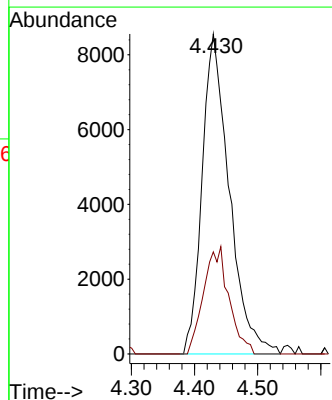
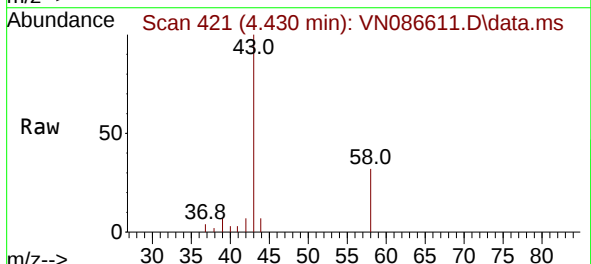
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#09

Tgt Ion: 59 Resp: 123
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 26.280 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086611.D
Acq: 13 May 2025 19:01

Tgt Ion: 43 Resp: 25515
Ion Ratio Lower Upper
43 100
58 31.9 25.3 37.9

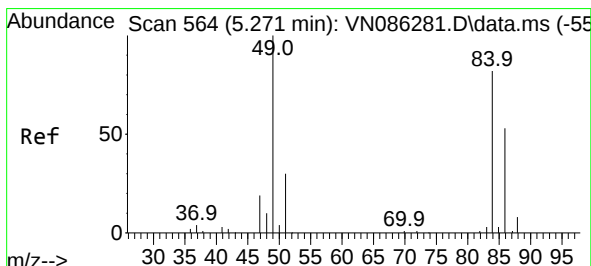
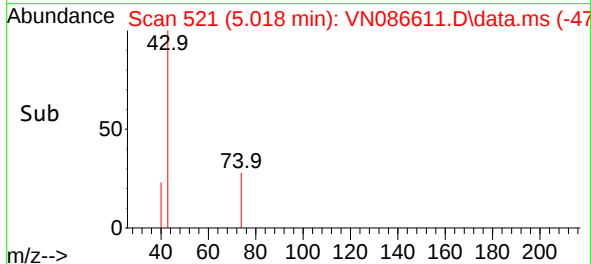
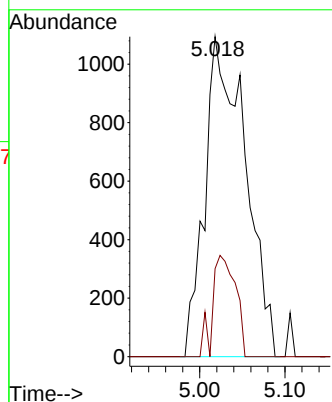
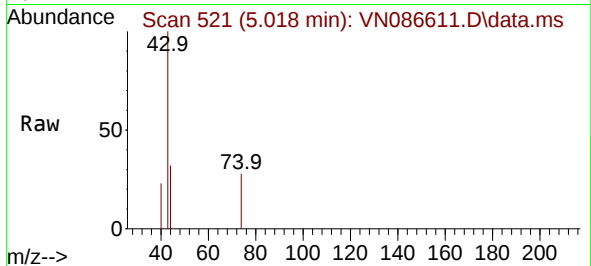




#18
Methyl Acetate
Concen: 1.279 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086611.D
Acq: 13 May 2025 19:01

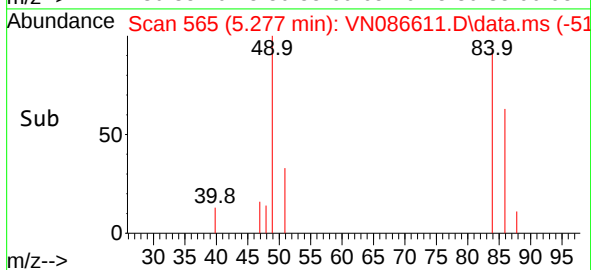
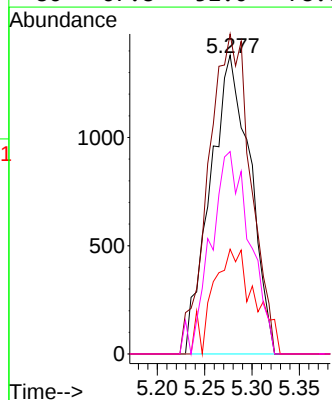
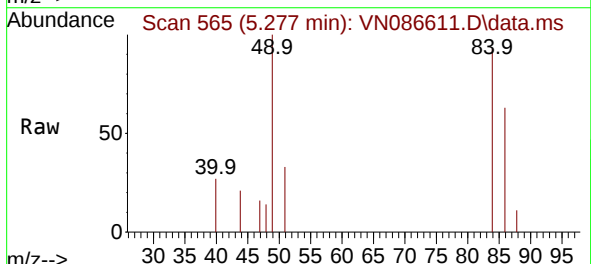
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#09

Tgt Ion: 43 Resp: 3611
Ion Ratio Lower Upper
43 100
74 18.1 19.8 29.6#



#20
Methylene Chloride
Concen: 1.860 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086611.D
Acq: 13 May 2025 19:01

Tgt Ion: 84 Resp: 4043
Ion Ratio Lower Upper
84 100
49 107.1 98.2 147.2
51 35.1 29.8 44.6
86 67.8 52.0 78.0

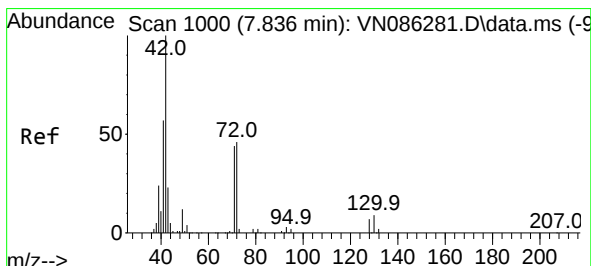
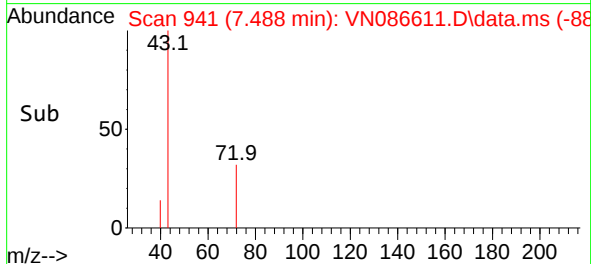
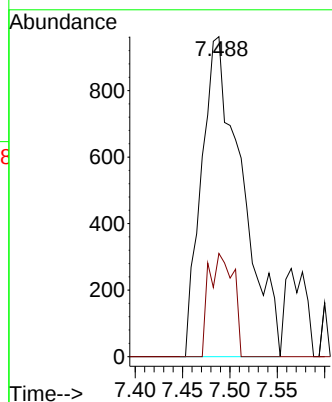
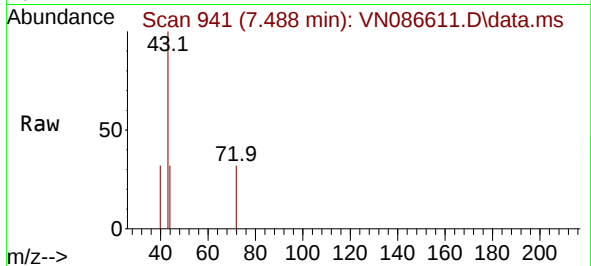




#25
2-Butanone
Concen: 1.953 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086611.D
Acq: 13 May 2025 19:01

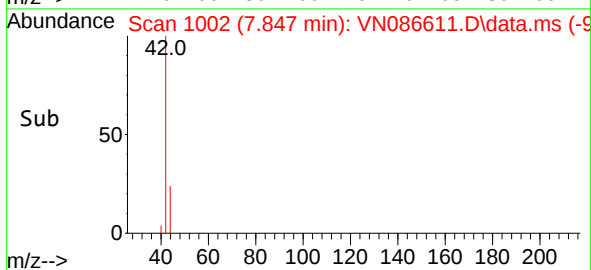
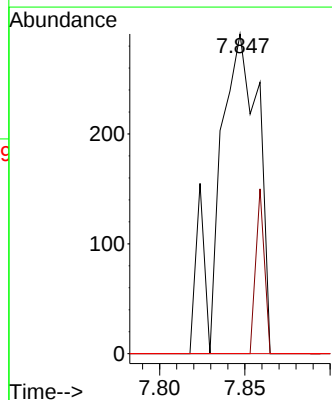
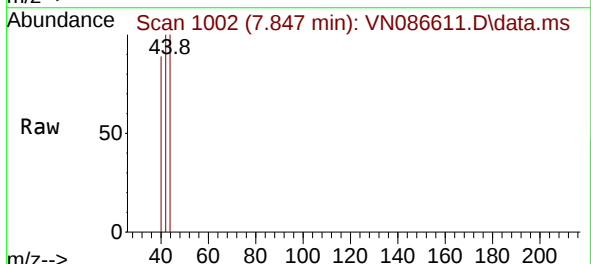
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#09

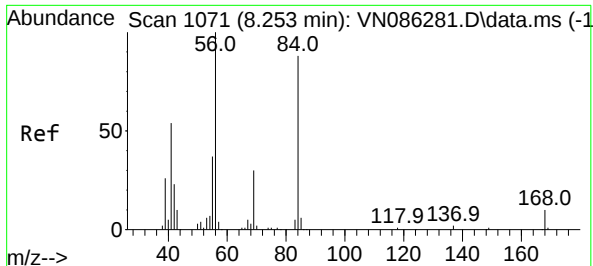
Tgt Ion: 43 Resp: 2858
Ion Ratio Lower Upper
43 100
72 32.2 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.487 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN086611.D
Acq: 13 May 2025 19:01

Tgt Ion: 42 Resp: 477
Ion Ratio Lower Upper
42 100
72 11.1 36.2 54.4#
71 0.0 34.0 51.0#





#31

Cyclohexane

Concen: 0.909 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.030 min

Lab File: VN086611.D

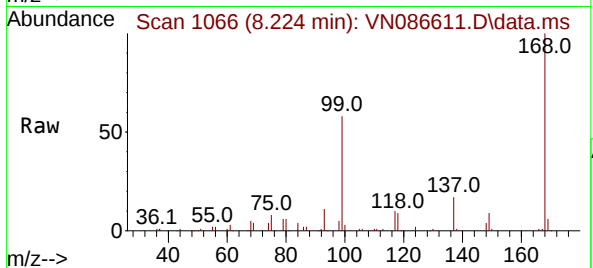
Acq: 13 May 2025 19:01

Instrument :

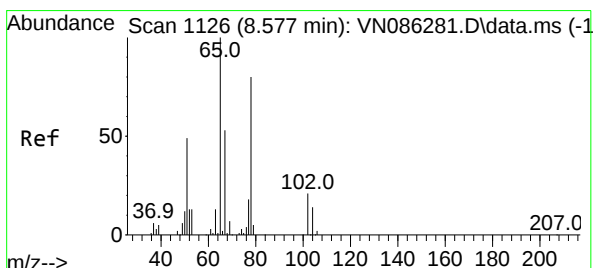
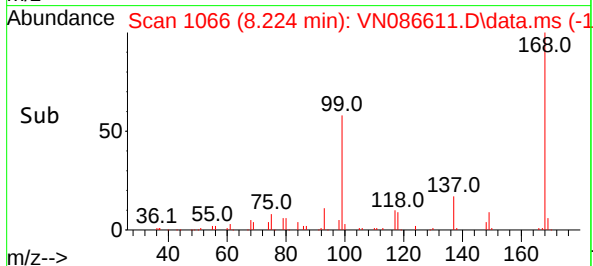
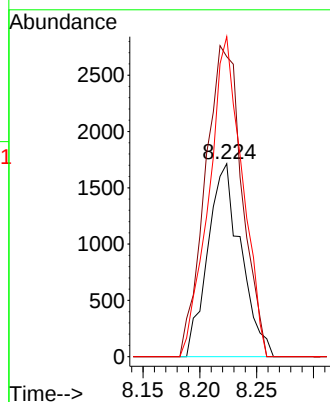
MSVOA_N

ClientSampleId :

PB167964ZHE#09



Tgt Ion:	56	Resp:	3465
Ion Ratio	100		
Lower	24.2		
Upper	36.2#		
69	155.4		
84	165.8		
	70.3		
	105.5#		



#33

1,2-Dichloroethane-d4

Concen: 50.328 ug/l

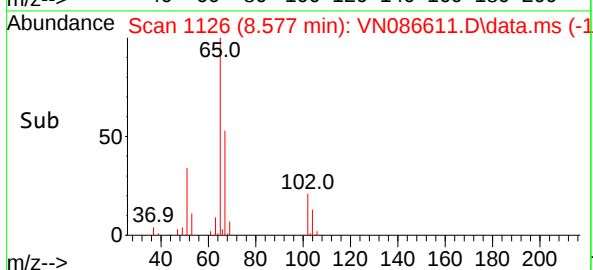
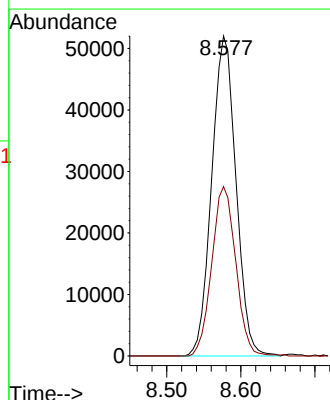
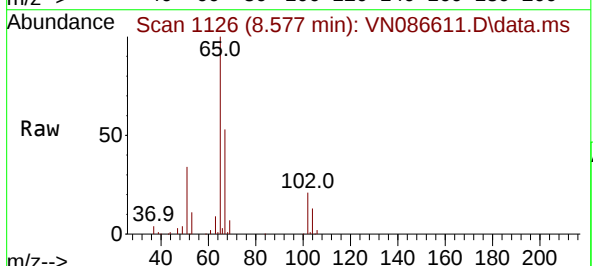
RT: 8.577 min Scan# 1126

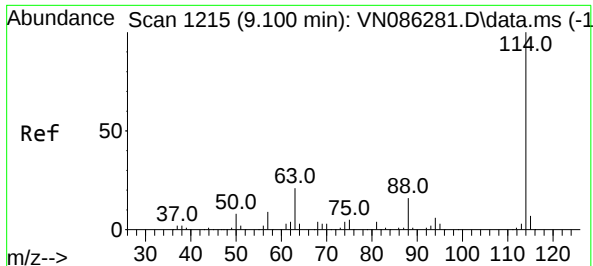
Delta R.T. -0.000 min

Lab File: VN086611.D

Acq: 13 May 2025 19:01

Tgt Ion:	65	Resp:	118331
Ion Ratio	100		
Lower	0.0		
Upper	106.0		
67	52.4		





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086611.D

Acq: 13 May 2025 19:01

Instrument :

MSVOA_N

ClientSampleId :

PB167964ZHE#09

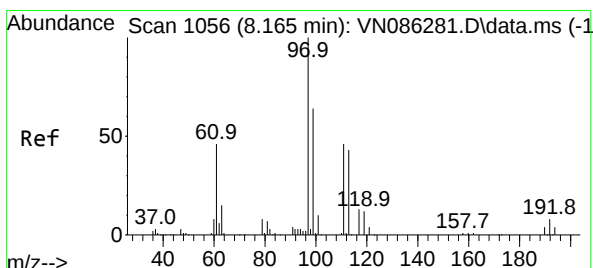
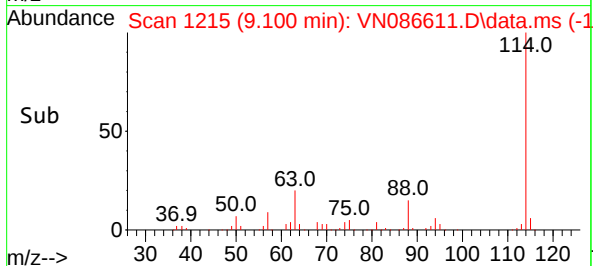
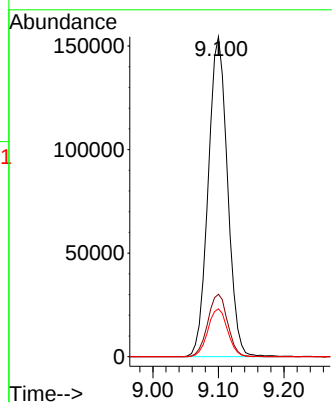
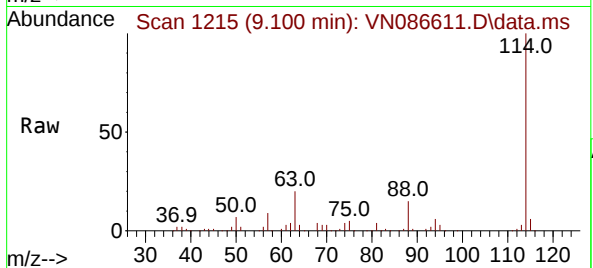
Tgt Ion:114 Resp: 315832

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.6

88 15.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 64.612 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086611.D

Acq: 13 May 2025 19:01

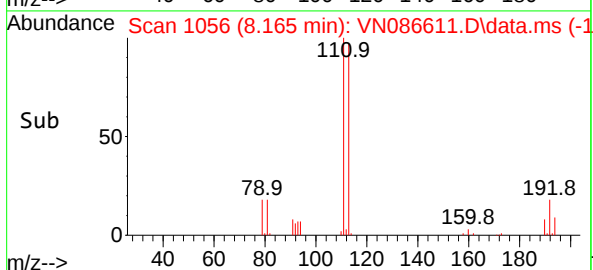
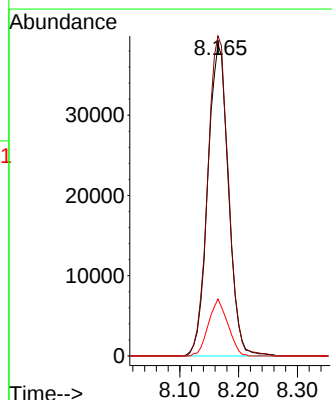
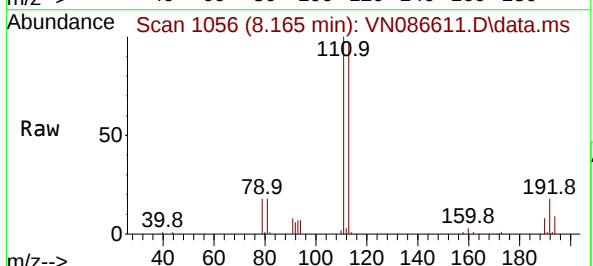
Tgt Ion:113 Resp: 94709

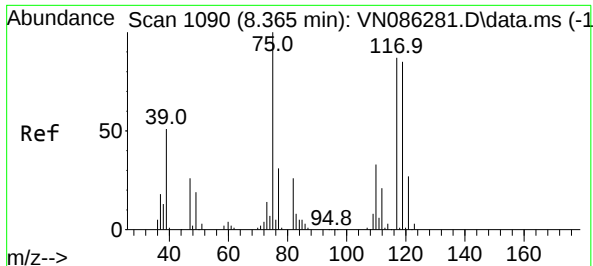
Ion Ratio Lower Upper

113 100

111 103.2 83.4 125.0

192 17.1 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.633 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086611.D

Acq: 13 May 2025 19:01

Instrument :

MSVOA_N

ClientSampleId :

PB167964ZHE#09

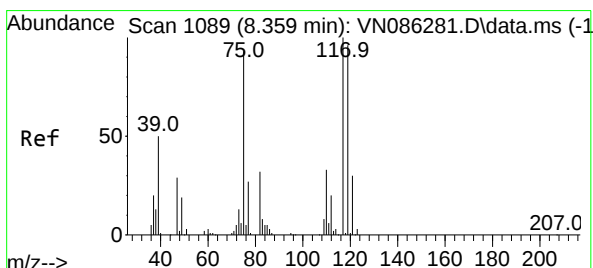
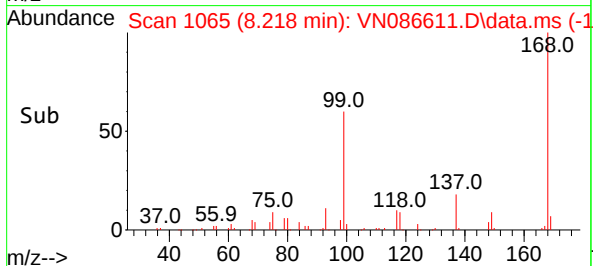
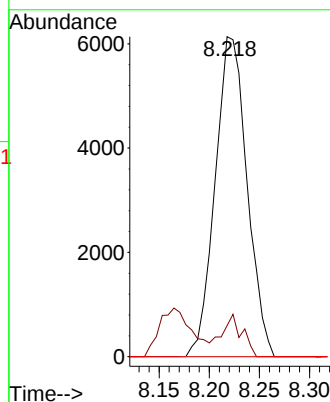
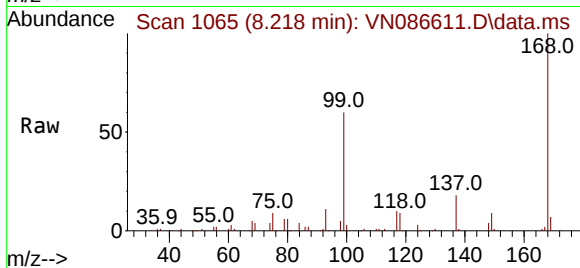
Tgt Ion: 75 Resp: 13564

Ion Ratio Lower Upper

75 100

110 8.5 16.8 50.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.825 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086611.D

Acq: 13 May 2025 19:01

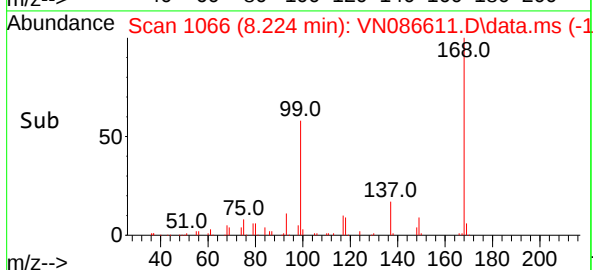
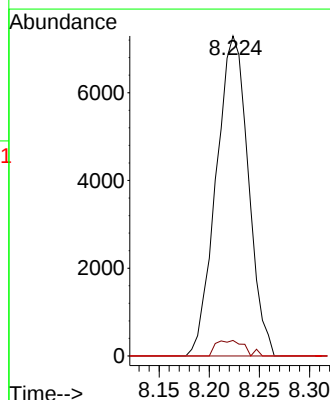
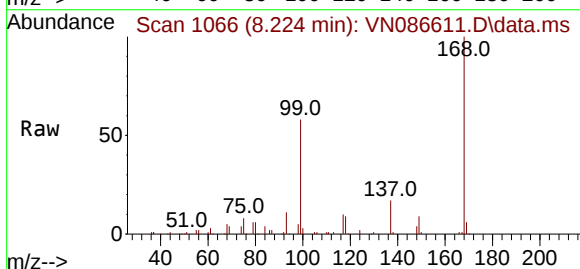
Tgt Ion: 117 Resp: 16240

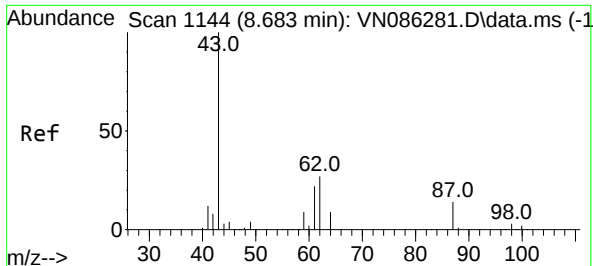
Ion Ratio Lower Upper

117 100

119 4.8 76.8 115.2#

121 0.0 23.8 35.8#





#43

Isopropyl Acetate

Concen: 5.037 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.005 min

Lab File: VN086611.D

Acq: 13 May 2025 19:01

Instrument :

MSVOA_N

ClientSampleId :

PB167964ZHE#09

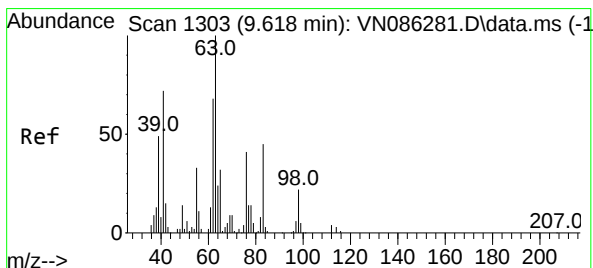
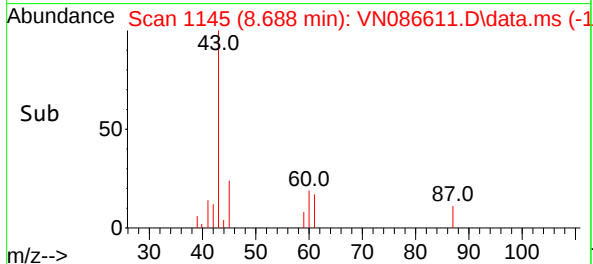
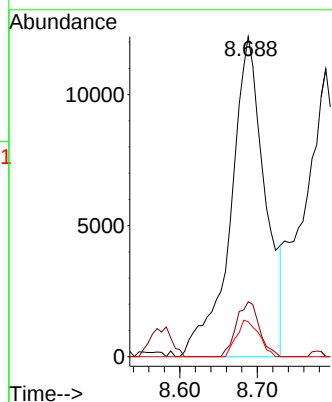
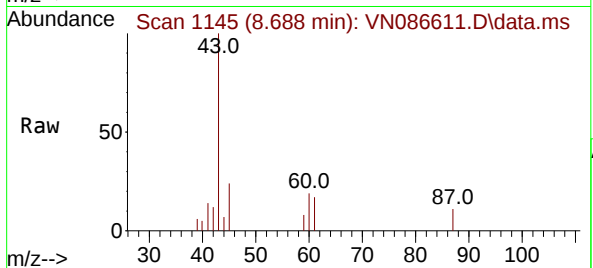
Tgt Ion: 43 Resp: 37684

Ion Ratio Lower Upper

43 100

61 11.5 20.5 30.7#

87 7.4 10.5 15.7#



#45

1,2-Dichloropropane

Concen: 0.360 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.123 min

Lab File: VN086611.D

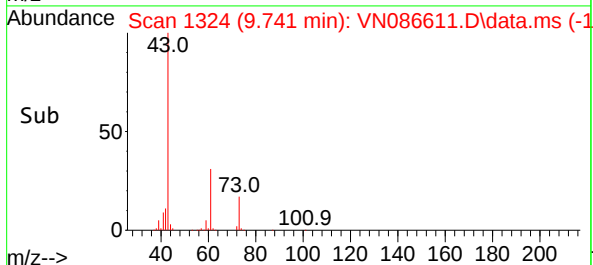
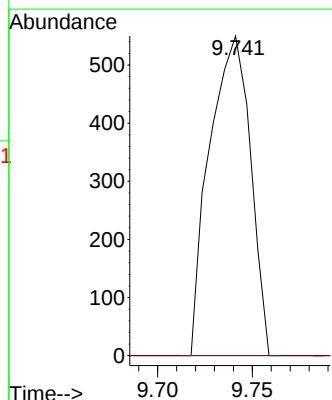
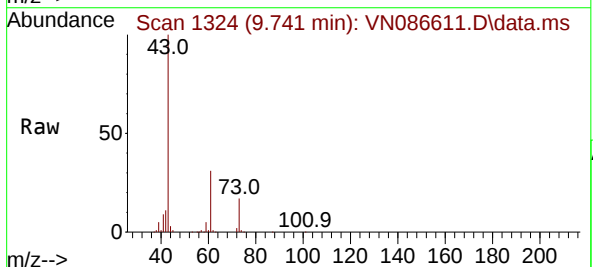
Acq: 13 May 2025 19:01

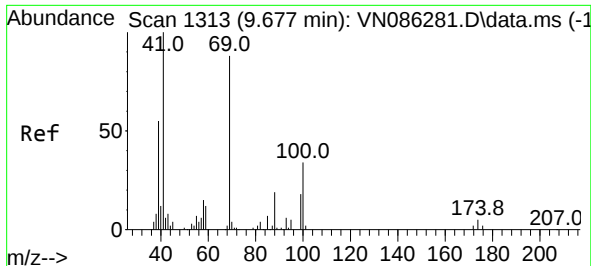
Tgt Ion: 63 Resp: 826

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.2#

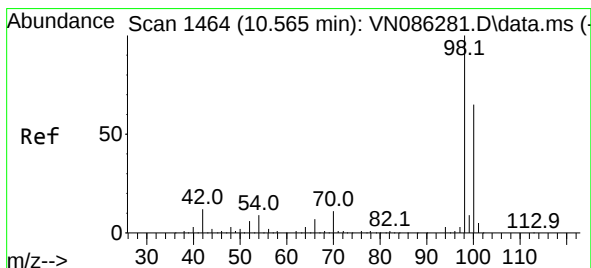
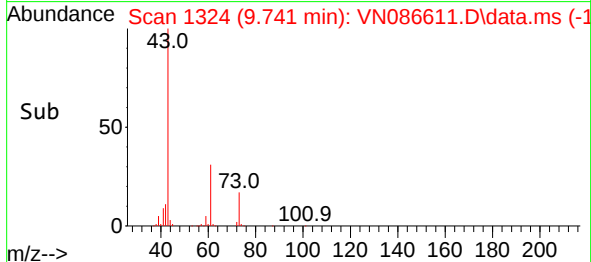
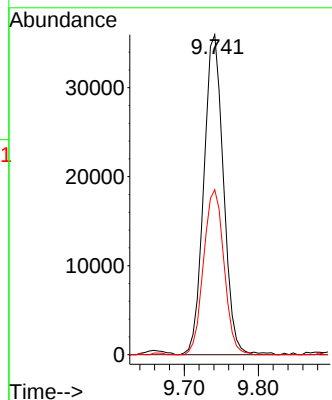
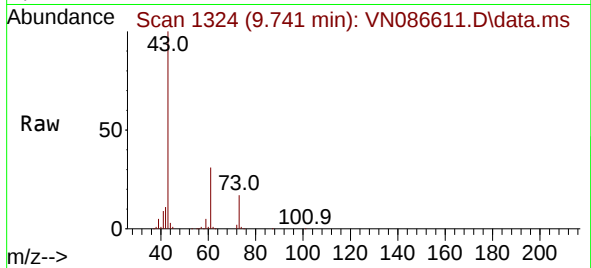




#48
Methyl methacrylate
Concen: 24.455 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN086611.D
Acq: 13 May 2025 19:01

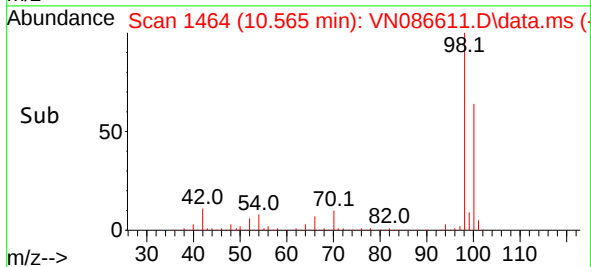
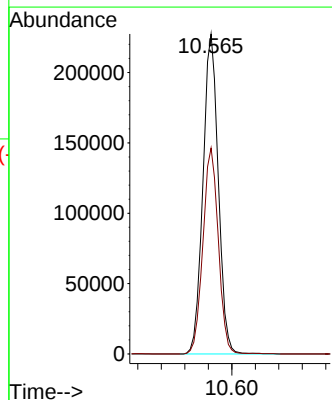
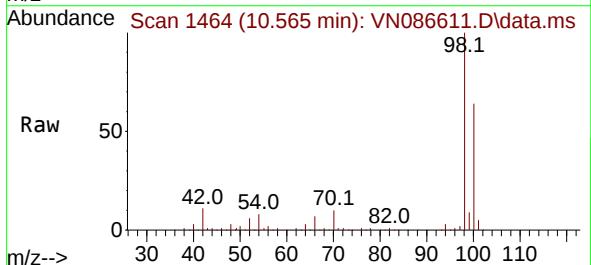
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#09

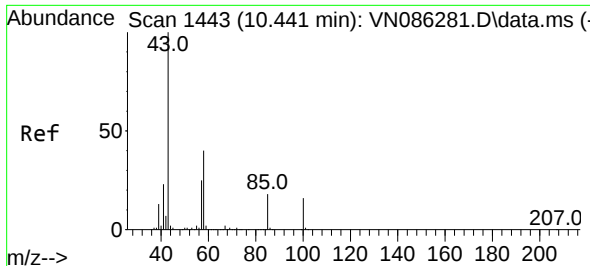
Tgt Ion: 41 Resp: 66195
Ion Ratio Lower Upper
41 100
69 0.0 68.2 102.2#
39 53.6 45.2 67.8



#50
Toluene-d8
Concen: 52.563 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086611.D
Acq: 13 May 2025 19:01

Tgt Ion: 98 Resp: 411781
Ion Ratio Lower Upper
98 100
100 64.5 52.5 78.7

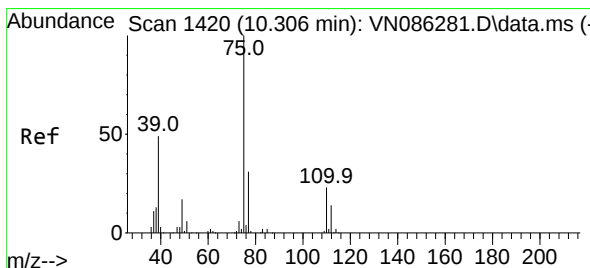
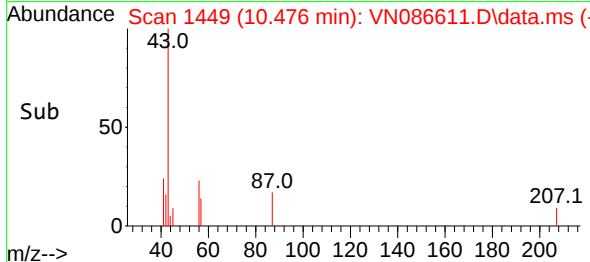
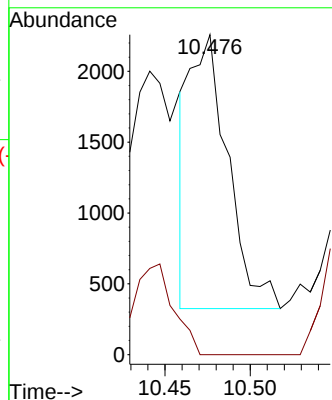
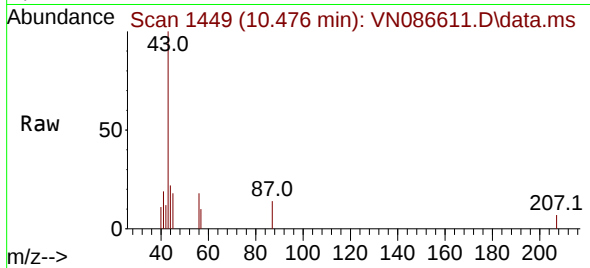




#51
4-Methyl-2-Pentanone
Concen: 0.965 ug/l
RT: 10.476 min Scan# 1449
Delta R.T. 0.035 min
Lab File: VN086611.D
Acq: 13 May 2025 19:01

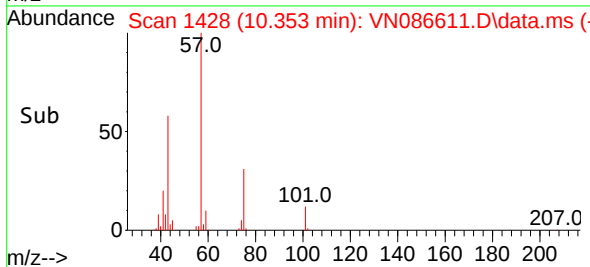
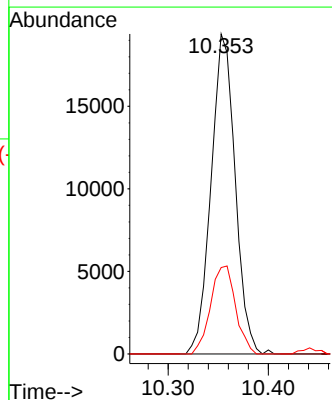
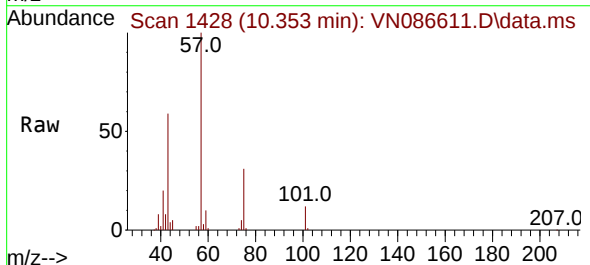
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#09

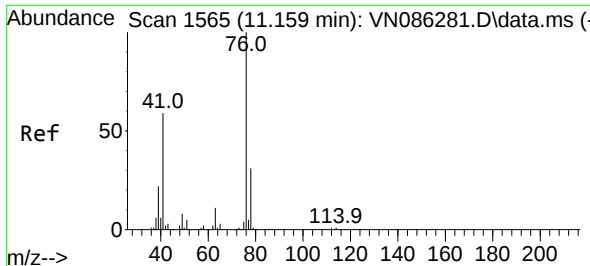
Tgt Ion: 43 Resp: 3046
Ion Ratio Lower Upper
43 100
58 0.0 32.2 48.4#



#54
cis-1,3-Dichloropropene
Concen: 8.346 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN086611.D
Acq: 13 May 2025 19:01

Tgt Ion: 75 Resp: 32335
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 27.0 39.3 58.9#





#57

1,3-Dichloropropane

Concen: 0.794 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN086611.D

Acq: 13 May 2025 19:01

Instrument :

MSVOA_N

ClientSampleId :

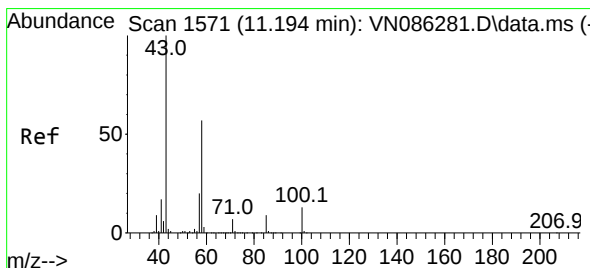
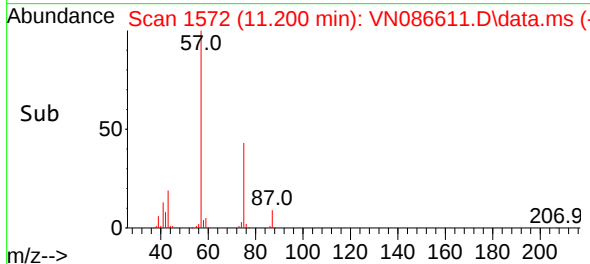
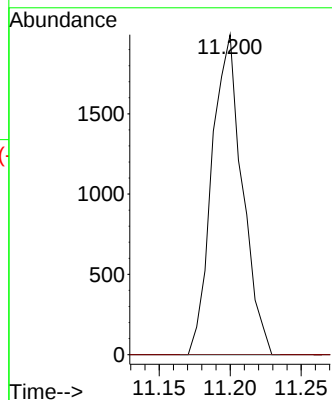
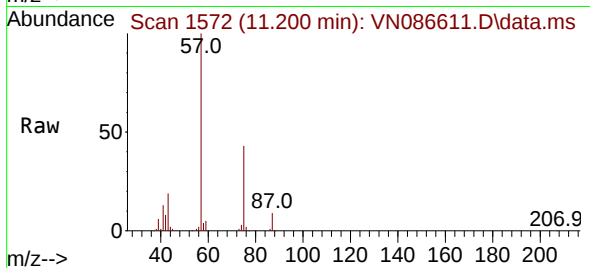
PB167964ZHE#09

Tgt Ion: 76 Resp: 2967

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 22.621 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086611.D

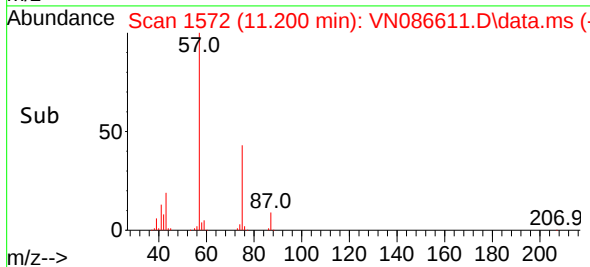
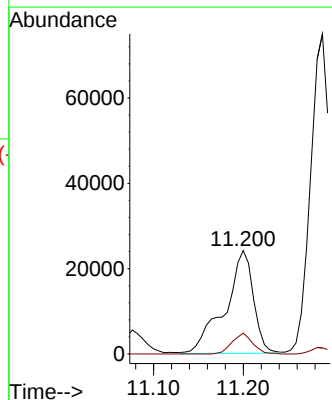
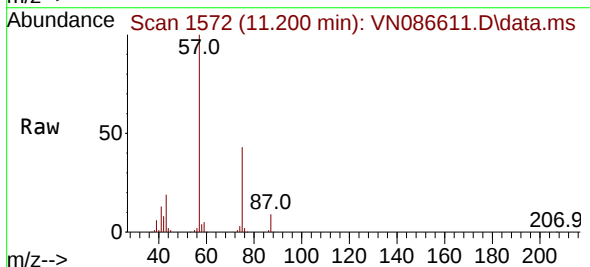
Acq: 13 May 2025 19:01

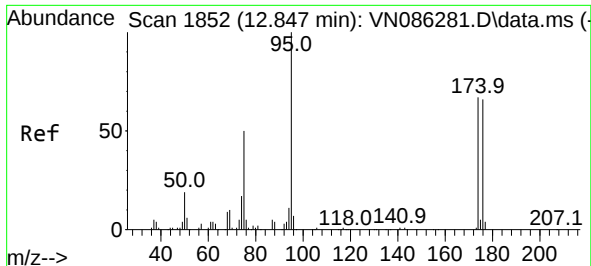
Tgt Ion: 43 Resp: 52959

Ion Ratio Lower Upper

43 100

58 14.6 28.3 85.0#

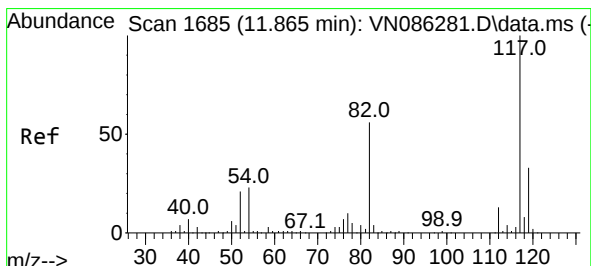
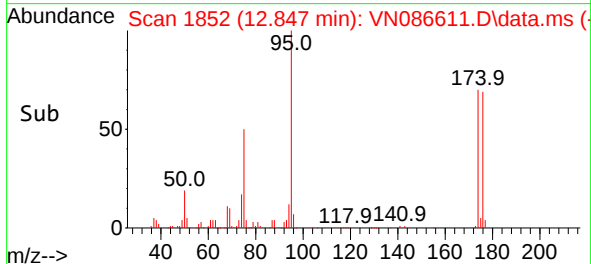
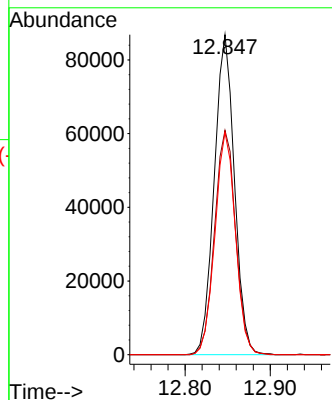
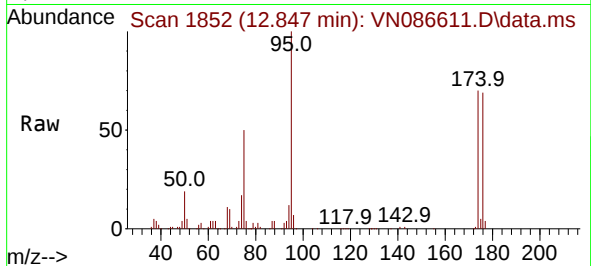




#62
4-Bromofluorobenzene
Concen: 50.040 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086611.D
Acq: 13 May 2025 19:01

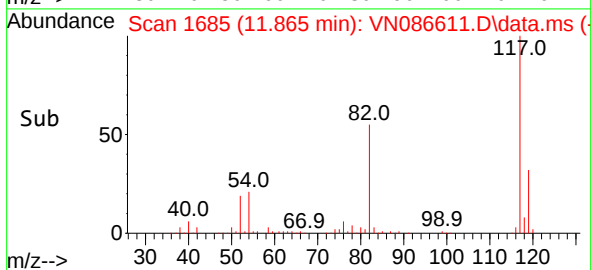
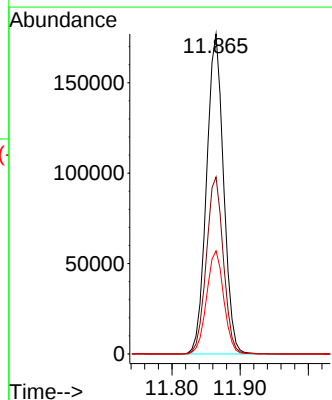
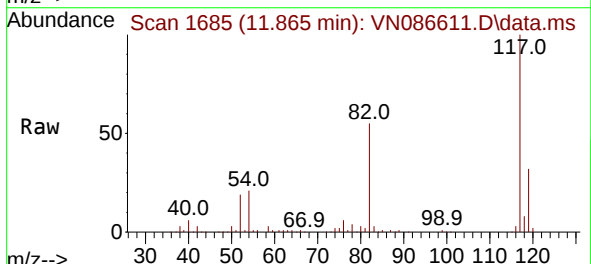
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#09

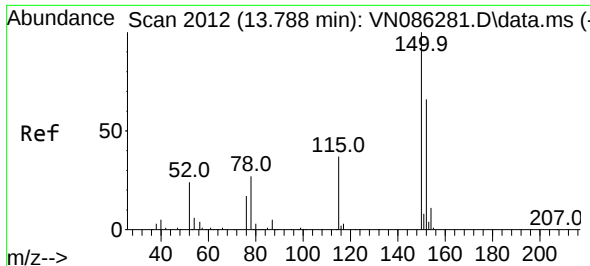
Tgt Ion: 95 Resp: 142983
Ion Ratio Lower Upper
95 100
174 73.1 0.0 133.4
176 70.3 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086611.D
Acq: 13 May 2025 19:01

Tgt Ion: 117 Resp: 307339
Ion Ratio Lower Upper
117 100
82 55.3 44.7 67.1
119 32.2 26.4 39.6

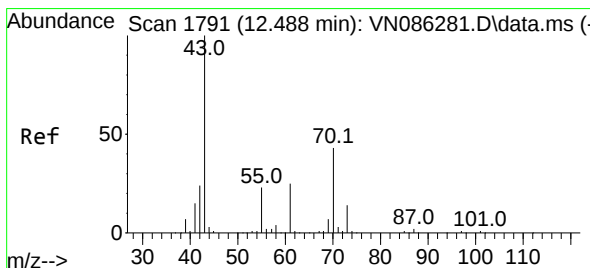
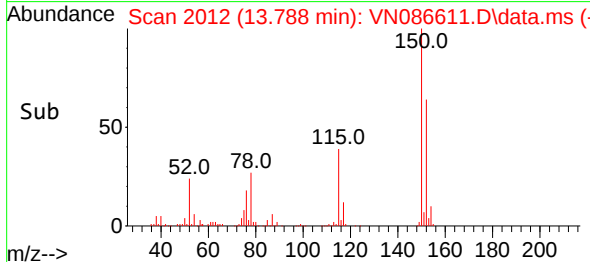
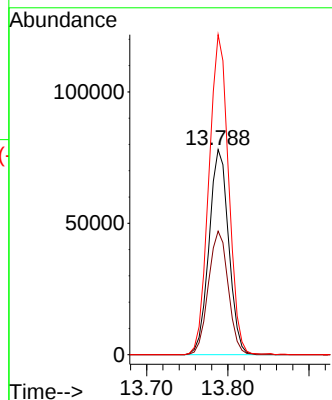
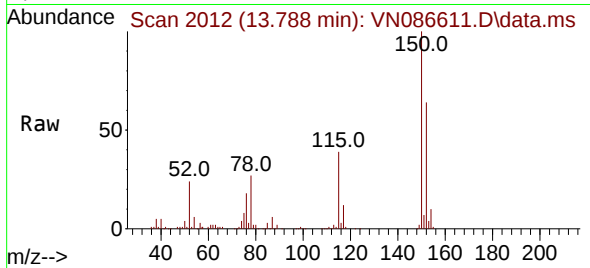




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086611.D
Acq: 13 May 2025 19:01

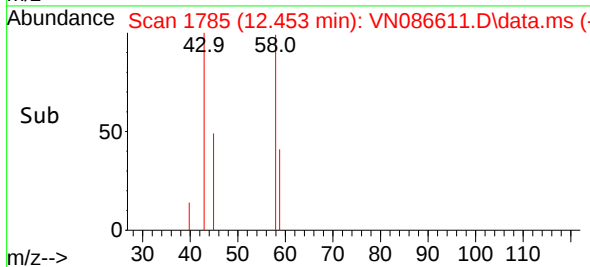
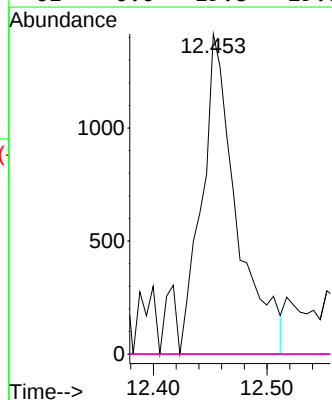
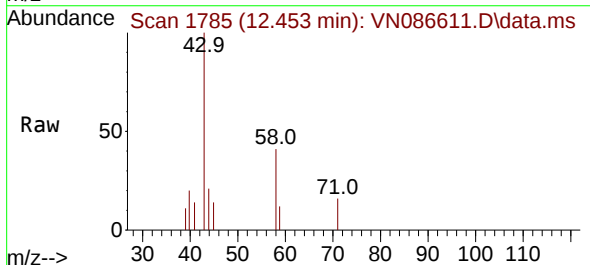
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#09

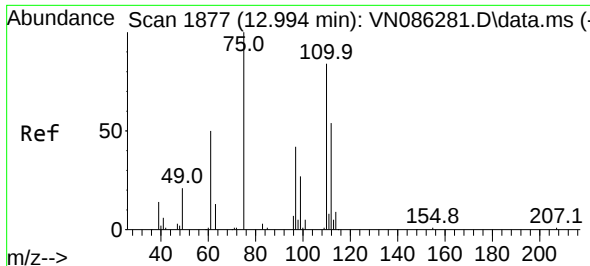
Tgt Ion:152 Resp: 131265
Ion Ratio Lower Upper
152 100
115 60.5 31.9 95.9
150 156.3 0.0 352.0



#74
N-ethyl acetate
Concen: 0.564 ug/l
RT: 12.453 min Scan# 1785
Delta R.T. -0.035 min
Lab File: VN086611.D
Acq: 13 May 2025 19:01

Tgt Ion: 43 Resp: 3017
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#

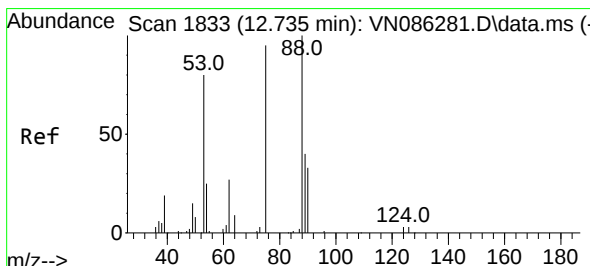
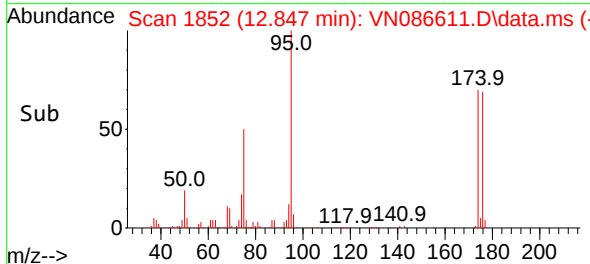
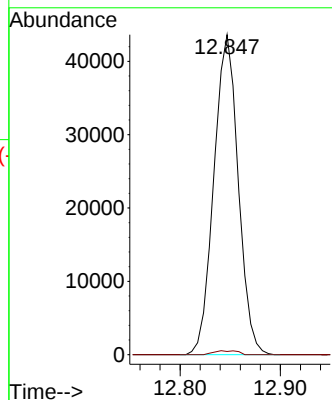
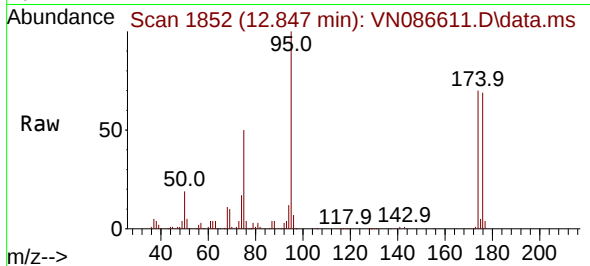




#76
1,2,3-Trichloropropane
Concen: 23.734 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086611.D
Acq: 13 May 2025 19:01

Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#09

Tgt Ion: 75 Resp: 73521
Ion Ratio Lower Upper
75 100
77 1.2 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.001 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086611.D
Acq: 13 May 2025 19:01

Tgt Ion: 75 Resp: 73521
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

