

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN043025\
 Data File : VN086431.D
 Acq On : 30 Apr 2025 13:01
 Operator : JC\MD
 Sample : PB167775ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167775ZHE#01

Quant Time: May 01 01:33:57 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)

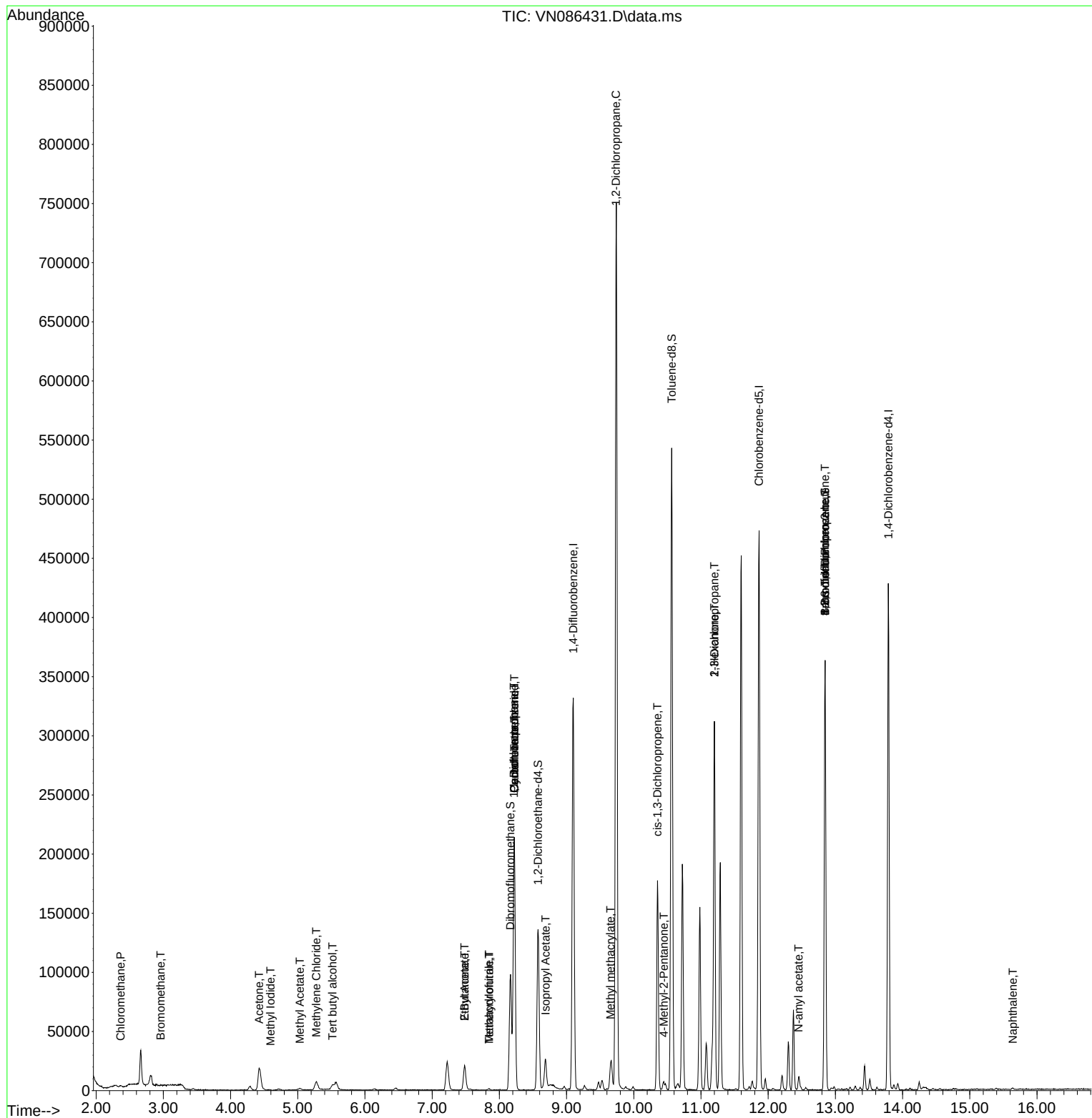
Internal Standards						
1) Pentafluorobenzene	8.224	168	156545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	297040	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	276776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	112606	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114421	50.405	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.800%	
35) Dibromofluoromethane	8.165	113	72460	52.561	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.120%	
50) Toluene-d8	10.565	98	376718	51.130	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.260%	
62) 4-Bromofluorobenzene	12.847	95	129871	48.326	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 96.660%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	855	0.317	ug/l	96
5) Bromomethane	2.959	94	446	0.385	ug/l #	3
10) Methyl Iodide	4.594	142	511	0.270	ug/l #	42
11) Tert butyl alcohol	5.518	59	7445	17.975	ug/l #	94
16) Acetone	4.424	43	37044	42.461	ug/l	96
18) Methyl Acetate	5.030	43	3081	1.131	ug/l #	71
20) Methylene Chloride	5.277	84	5473	2.608	ug/l	94
25) 2-Butanone	7.483	43	34349	24.310	ug/l	95
29) Tetrahydrofuran	7.847	42	987	1.045	ug/l #	53
31) Cyclohexane	8.224	56	3733	1.015	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	13512	4.907	ug/l #	49
37) Ethyl Acetate	7.483	43	34349	11.849	ug/l #	68
38) Carbon Tetrachloride	8.224	117	16069	6.128	ug/l #	16
41) Methacrylonitrile	7.847	41	426	0.254	ug/l #	23
43) Isopropyl Acetate	8.688	43	33233	4.605	ug/l #	86
45) 1,2-Dichloropropane	9.735	63	922	0.427	ug/l #	43
48) Methyl methacrylate	9.653	41	4563	1.792	ug/l #	41
51) 4-Methyl-2-Pentanone	10.447	43	4493	1.514	ug/l	97
54) cis-1,3-Dichloropropene	10.353	75	33186	9.108	ug/l #	60
57) 1,3-Dichloropropane	11.200	76	3221	0.917	ug/l #	43
59) 2-Hexanone	11.200	43	81406	36.972	ug/l #	51
71) Bromoform	12.847	173	679	0.443	ug/l #	1
74) N-amyl acetate	12.453	43	8973	1.957	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	67348	25.344	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67348	60.867	ug/l #	10
95) Naphthalene	15.641	128	2094	0.332	ug/l #	73

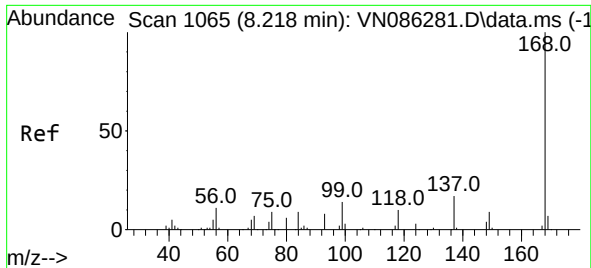
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

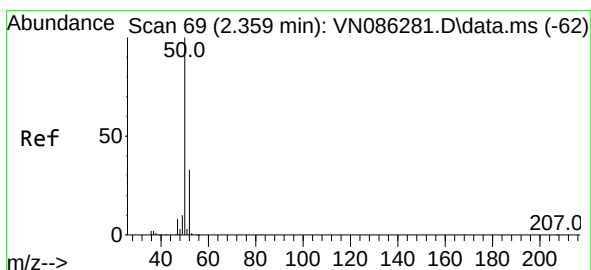
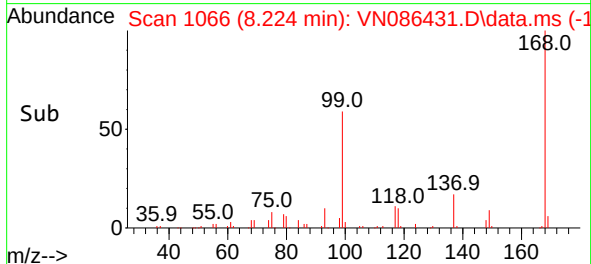
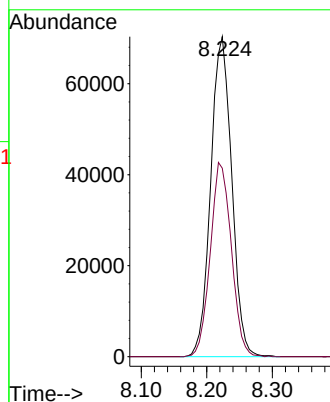
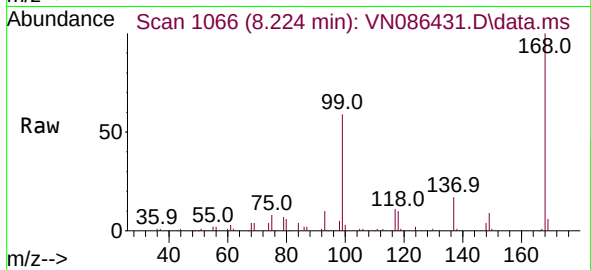




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

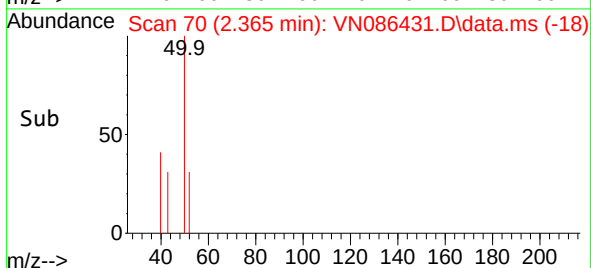
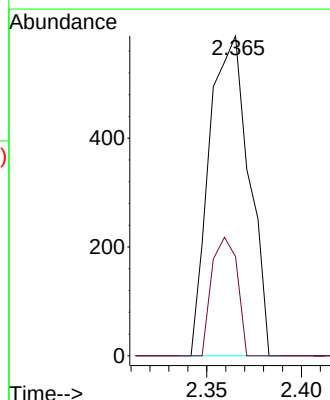
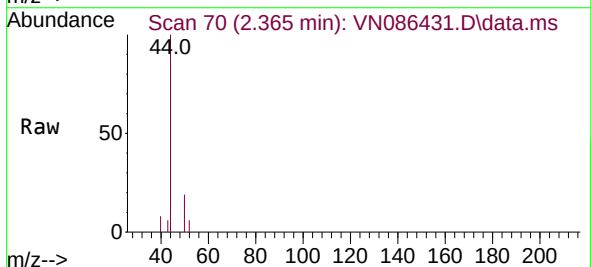
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#01

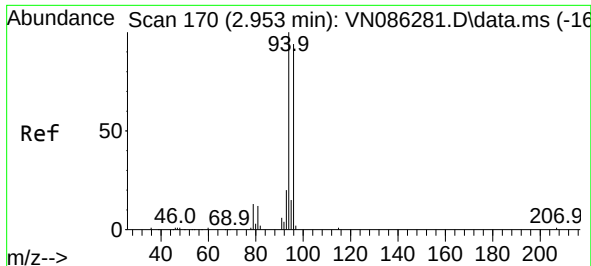
Tgt Ion:168 Resp: 156545
Ion Ratio Lower Upper
168 100
99 58.9 52.5 78.7



#3
Chloromethane
Concen: 0.317 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

Tgt Ion: 50 Resp: 855
Ion Ratio Lower Upper
50 100
52 31.0 26.5 39.7

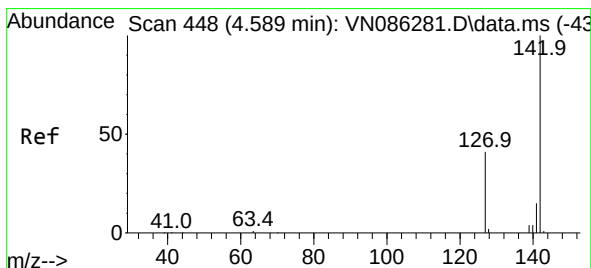
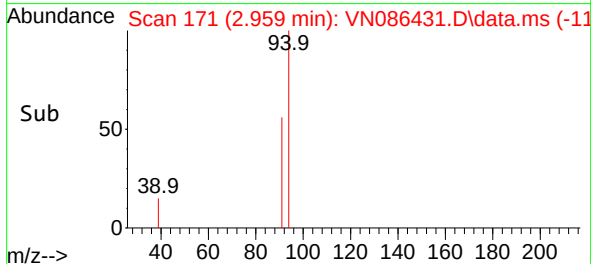
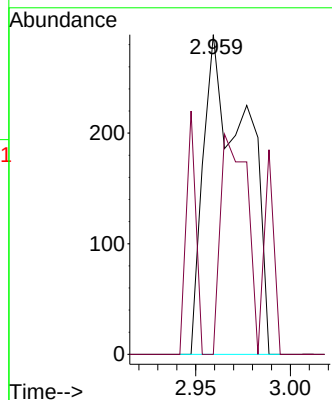
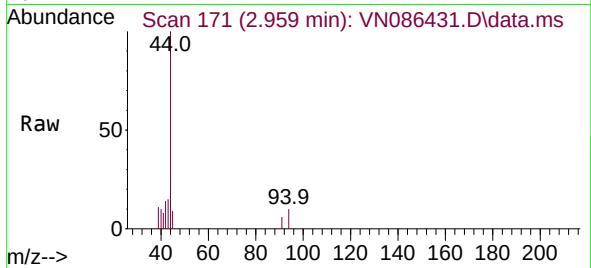




#5
Bromomethane
Concen: 0.385 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

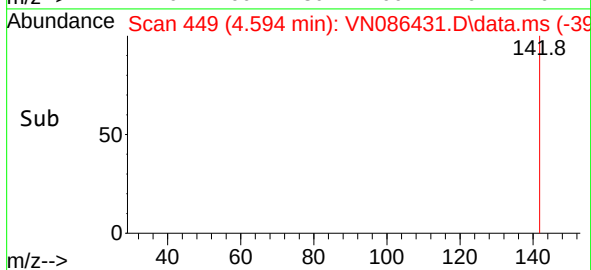
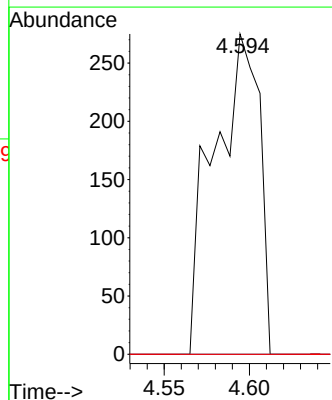
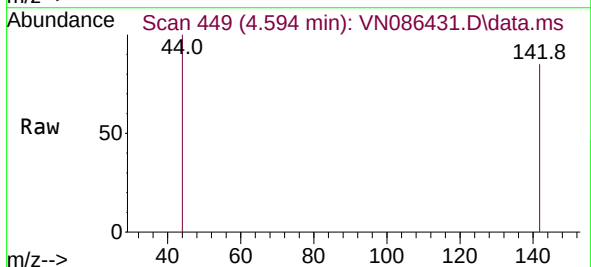
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#01

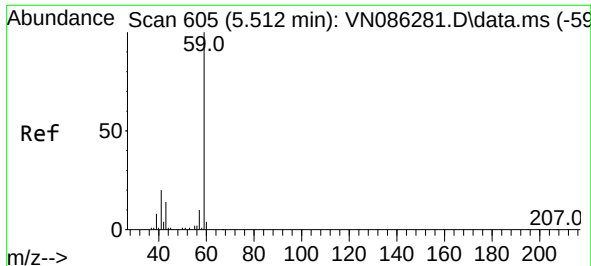
Tgt Ion: 94 Resp: 446
Ion Ratio Lower Upper
94 100
96 0.0 75.2 112.8#



#10
Methyl Iodide
Concen: 0.270 ug/l
RT: 4.594 min Scan# 449
Delta R.T. 0.006 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

Tgt Ion: 142 Resp: 511
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.7 17.5#

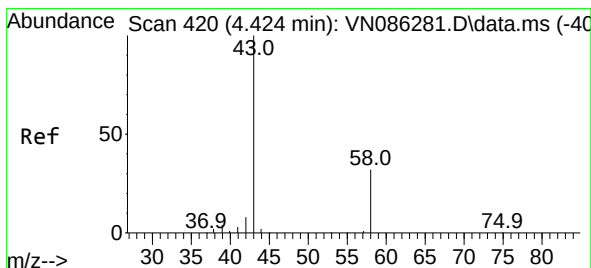
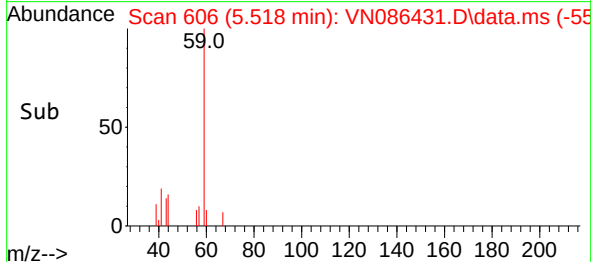
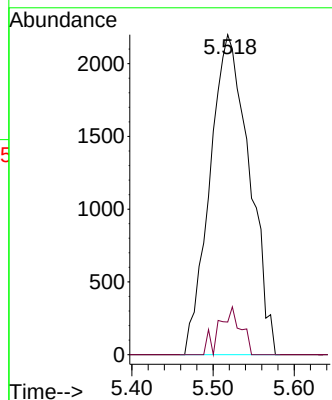
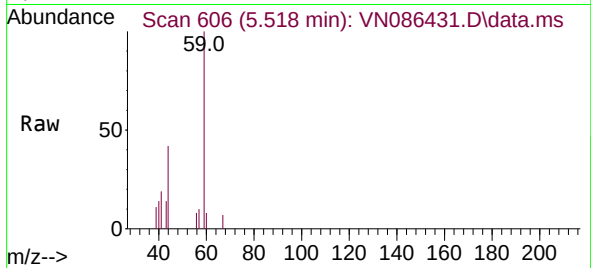




#11
Tert butyl alcohol
Concen: 17.975 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

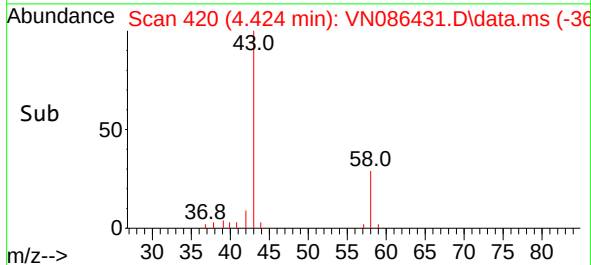
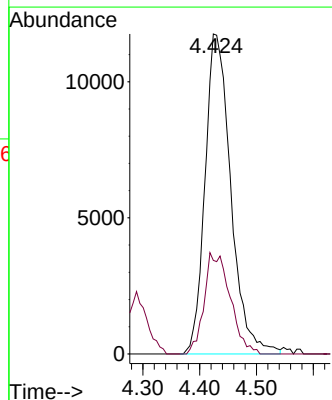
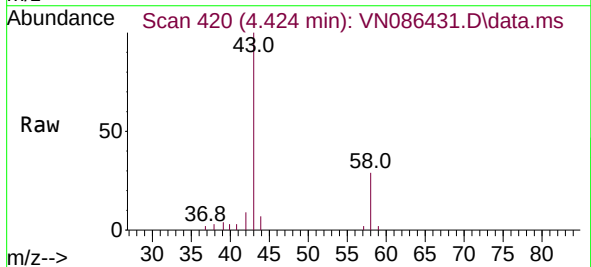
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#01

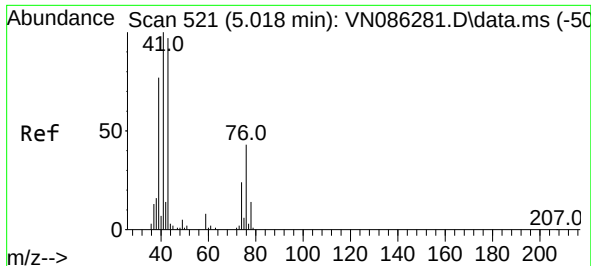
Tgt Ion: 59 Resp: 7445
Ion Ratio Lower Upper
59 100
57 8.1 8.3 12.5#



#16
Acetone
Concen: 42.461 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

Tgt Ion: 43 Resp: 37044
Ion Ratio Lower Upper
43 100
58 29.3 25.3 37.9

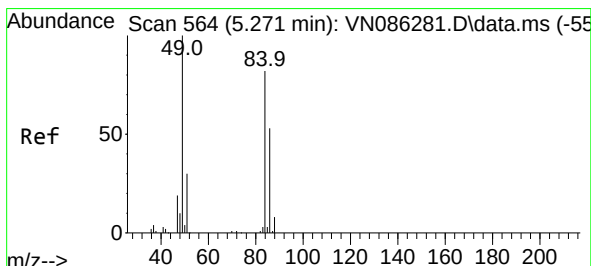
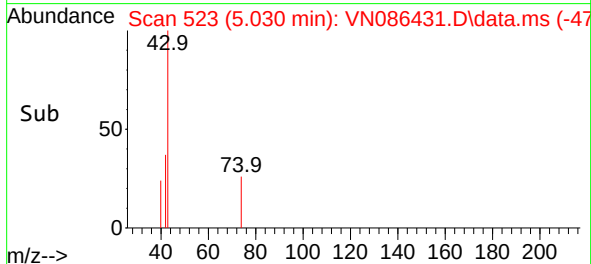
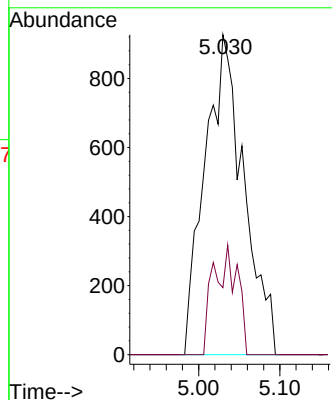
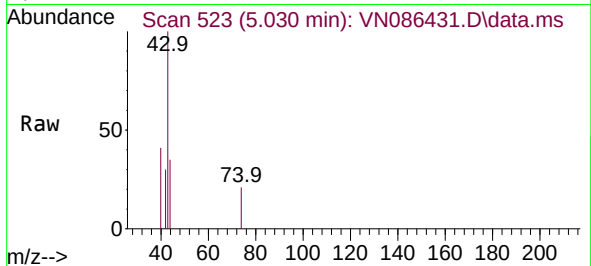




#18
Methyl Acetate
Concen: 1.131 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

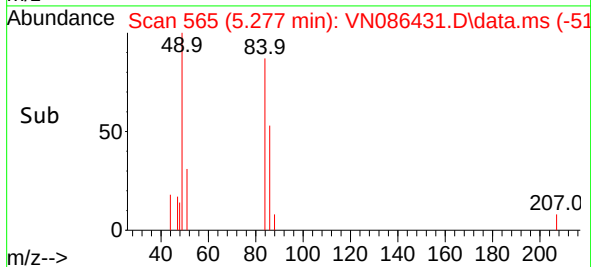
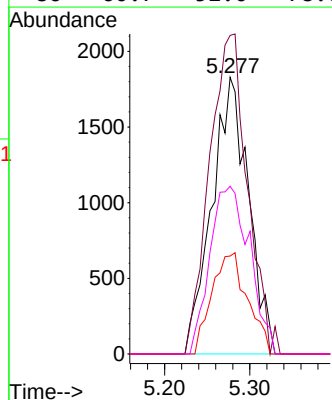
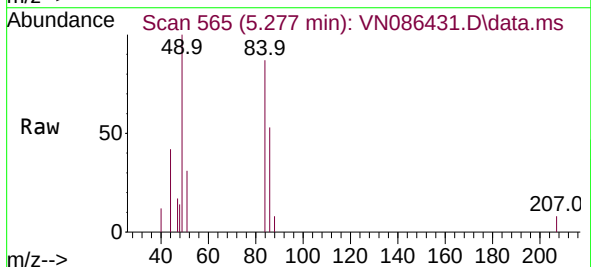
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#01

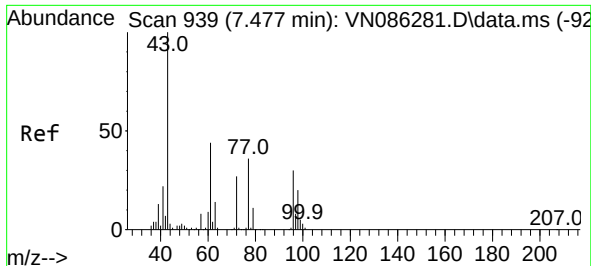
Tgt Ion: 43 Resp: 3081
Ion Ratio Lower Upper
43 100
74 10.0 19.8 29.6#



#20
Methylene Chloride
Concen: 2.608 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

Tgt Ion: 84 Resp: 5473
Ion Ratio Lower Upper
84 100
49 115.2 98.2 147.2
51 35.4 29.8 44.6
86 60.7 52.0 78.0

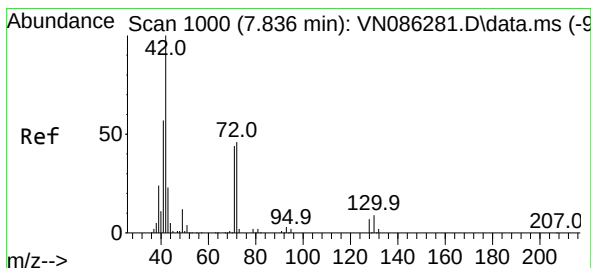
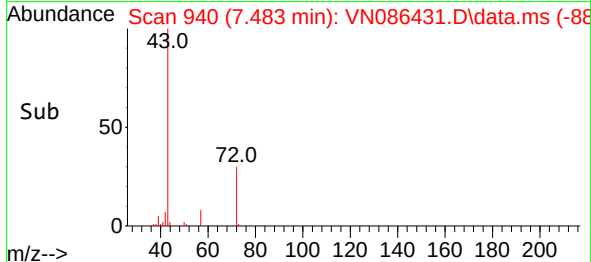
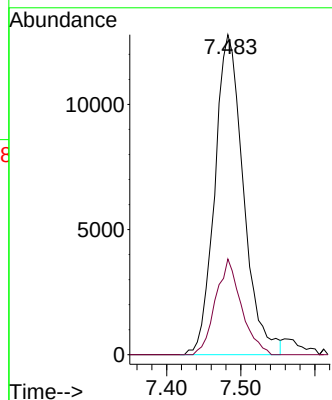
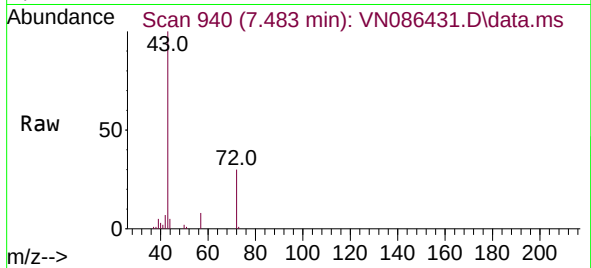




#25
2-Butanone
Concen: 24.310 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

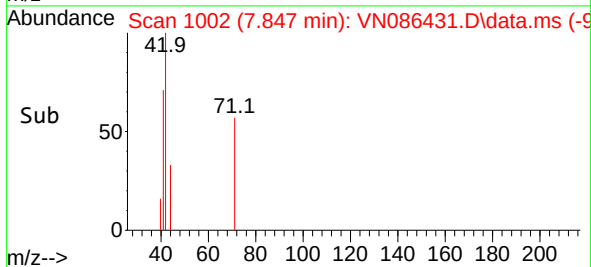
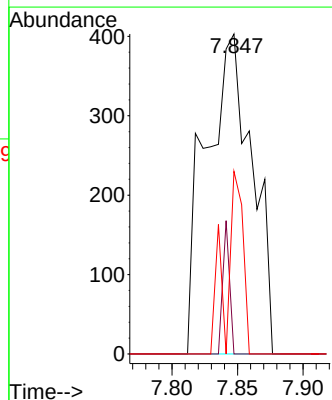
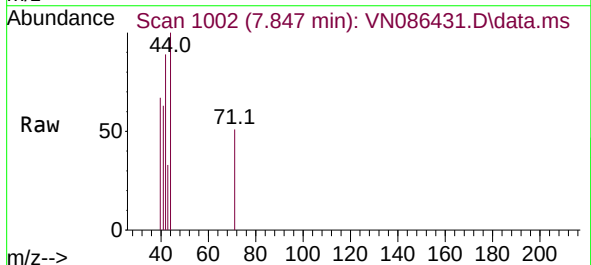
Instrument :
MSVOA_N
ClientSampleId :
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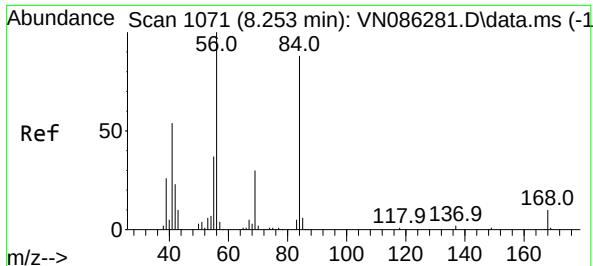
Tgt Ion: 43 Resp: 34349
Ion Ratio Lower Upper
43 100
72 29.9 21.7 32.5



#29
Tetrahydrofuran
Concen: 1.045 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

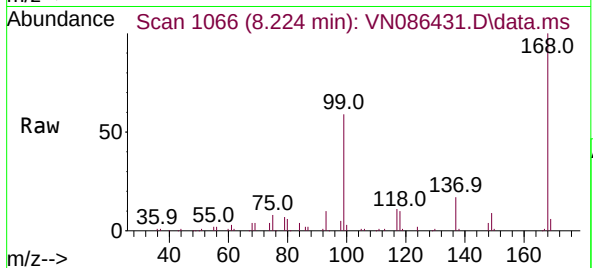
Tgt Ion: 42 Resp: 987
Ion Ratio Lower Upper
42 100
72 6.0 36.2 54.4#
71 20.8 34.0 51.0#





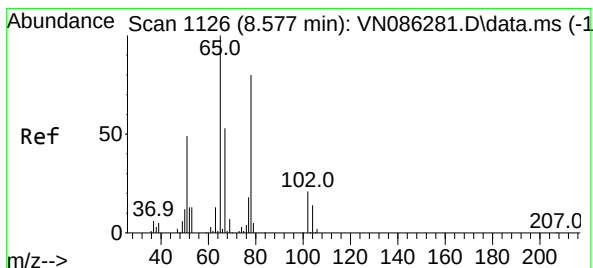
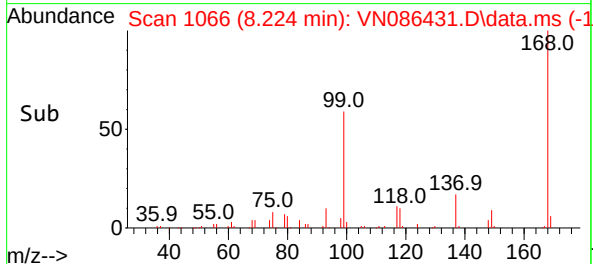
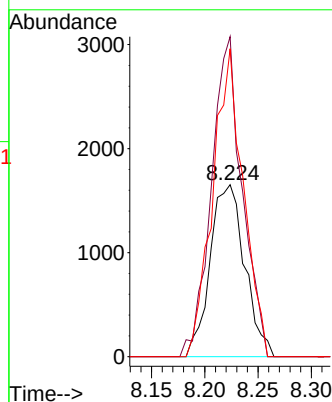
#31
Cyclohexane
Concen: 1.015 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

Instrument :
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Tgt Ion: 56 Resp: 3733

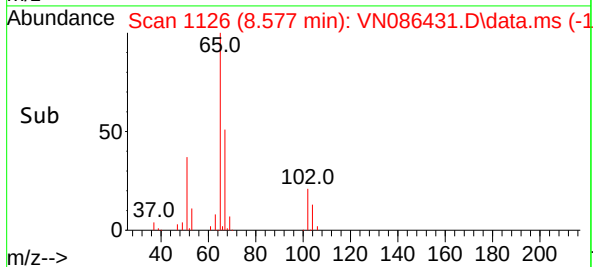
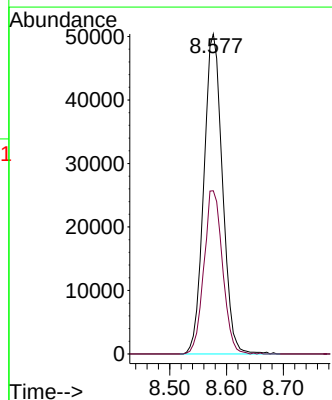
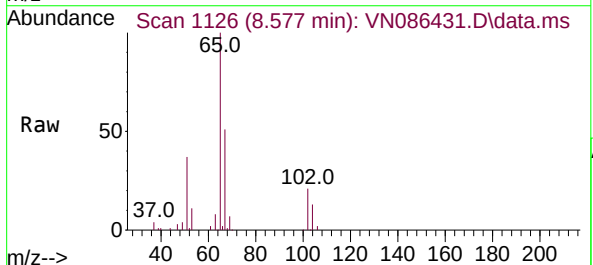
Ion	Ratio	Lower	Upper
56	100		
69	186.1	24.2	36.2#
84	179.1	70.3	105.5#

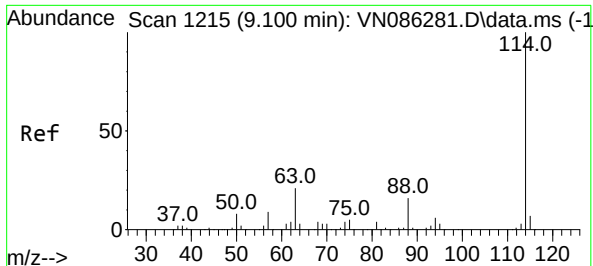


#33
1,2-Dichloroethane-d4
Concen: 50.405 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

Tgt Ion: 65 Resp: 114421

Ion	Ratio	Lower	Upper
65	100		
67	51.0	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: VN086431.D

Acq: 30 Apr 2025 13:01

Instrument :

MSVOA_N

ClientSampleId :

PB167775ZHE#01

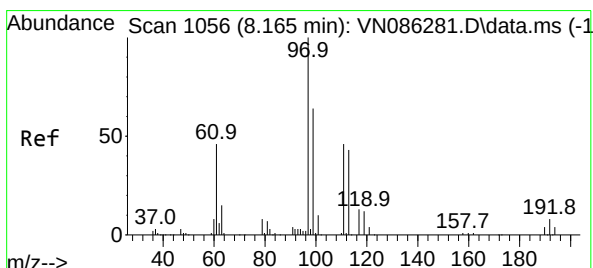
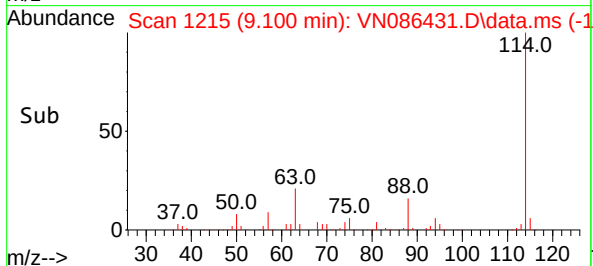
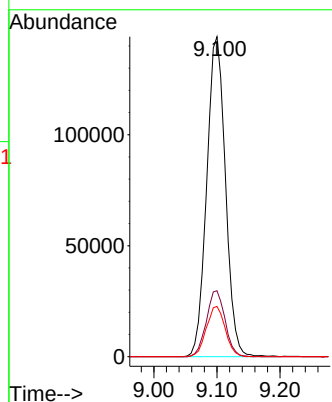
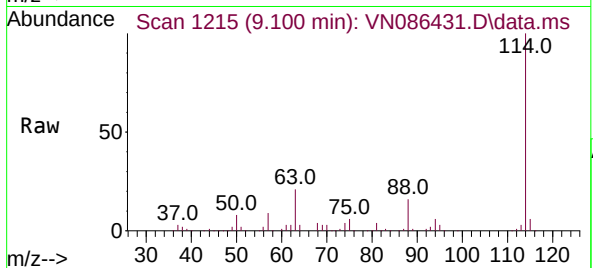
Tgt Ion:114 Resp: 297040

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.6

88 15.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.561 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086431.D

Acq: 30 Apr 2025 13:01

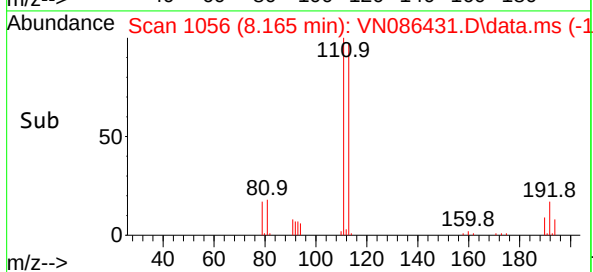
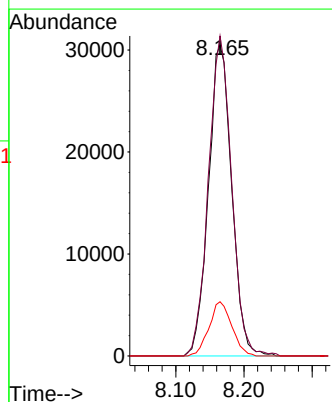
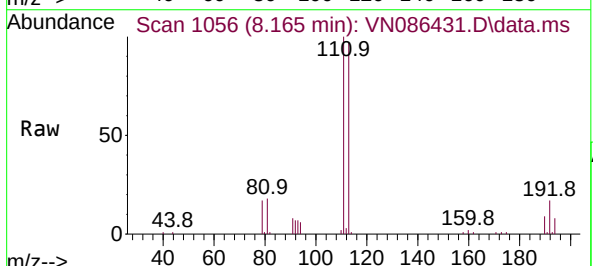
Tgt Ion:113 Resp: 72460

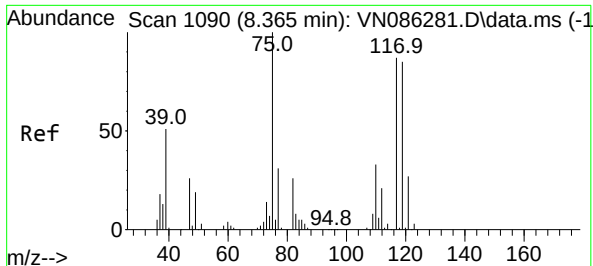
Ion Ratio Lower Upper

113 100

111 102.6 83.4 125.0

192 17.1 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.907 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN086431.D

Acq: 30 Apr 2025 13:01

Instrument :

MSVOA_N

ClientSampleId :

PB167775ZHE#01

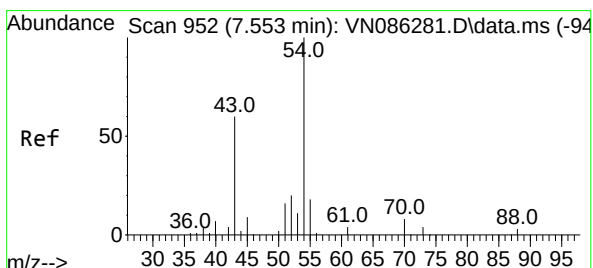
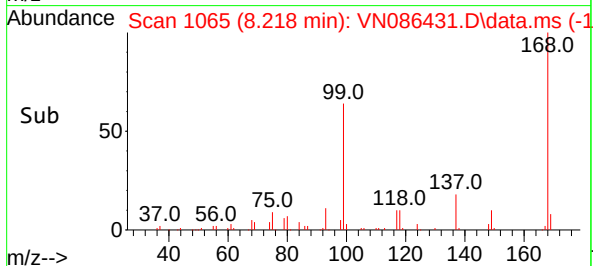
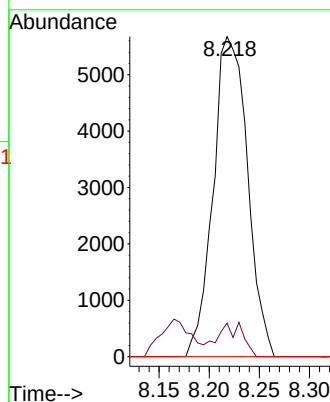
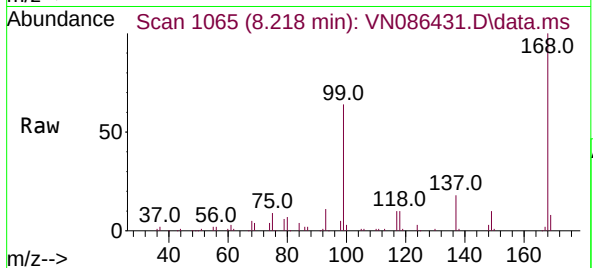
Tgt Ion: 75 Resp: 13512

Ion Ratio Lower Upper

75 100

110 7.8 16.8 50.4#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 11.849 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.071 min

Lab File: VN086431.D

Acq: 30 Apr 2025 13:01

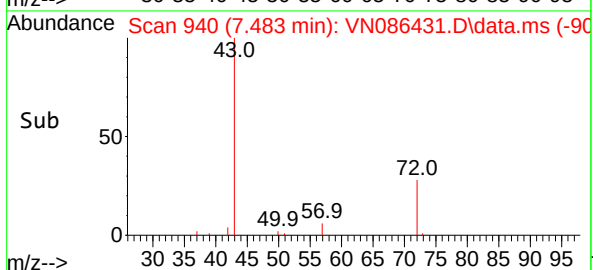
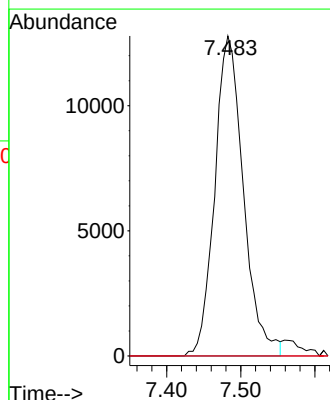
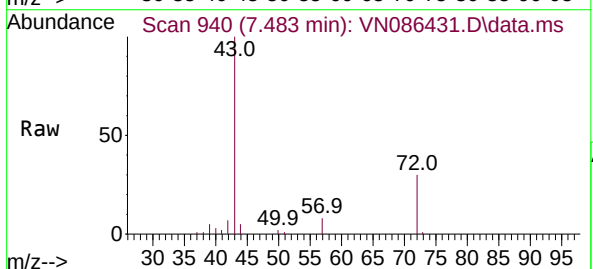
Tgt Ion: 43 Resp: 34349

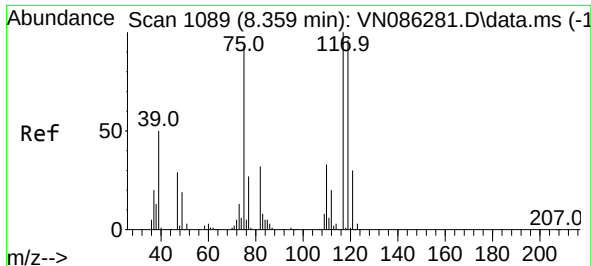
Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

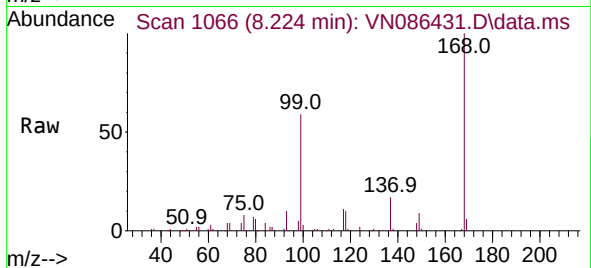
70 0.0 9.2 13.8#



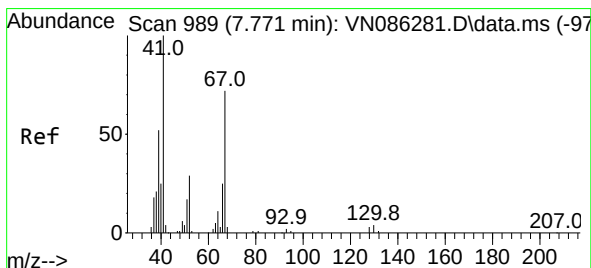
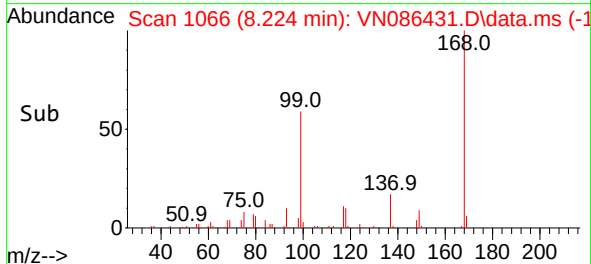
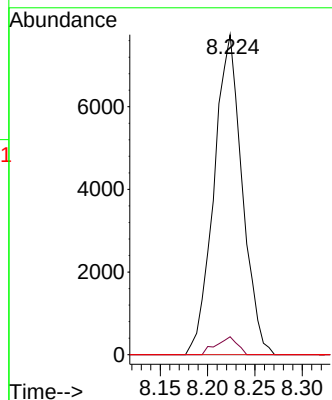


#38
Carbon Tetrachloride
Concen: 6.128 ug/l
RT: 8.224 min Scan# 1000
Delta R.T. -0.135 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#01

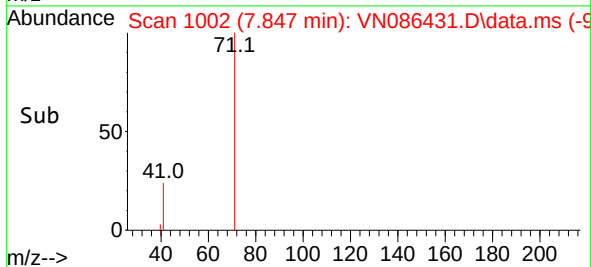
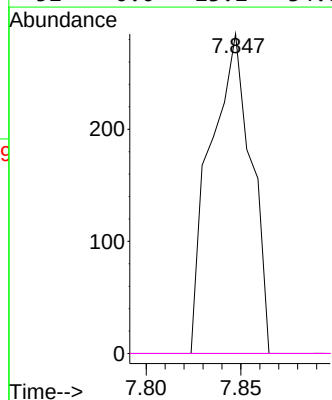
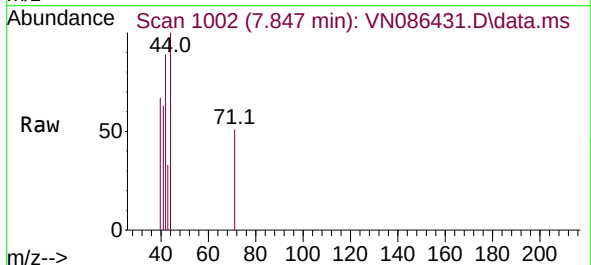


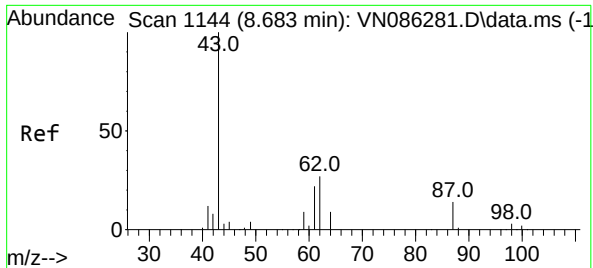
Tgt Ion:117 Resp: 16069
Ion Ratio Lower Upper
117 100
119 5.6 76.8 115.2#
121 0.0 23.8 35.8#



#41
Methacrylonitrile
Concen: 0.254 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.076 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

Tgt Ion: 41 Resp: 426
Ion Ratio Lower Upper
41 100
39 0.0 43.0 64.4#
67 0.0 58.8 88.2#
52 0.0 23.2 34.8#

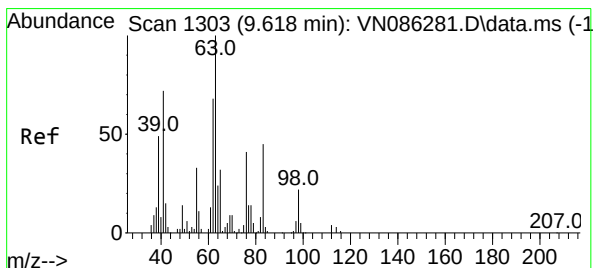
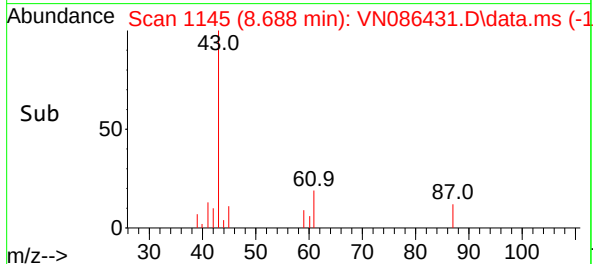
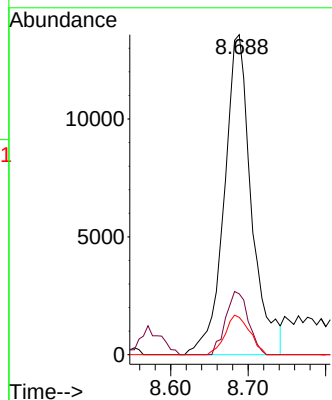
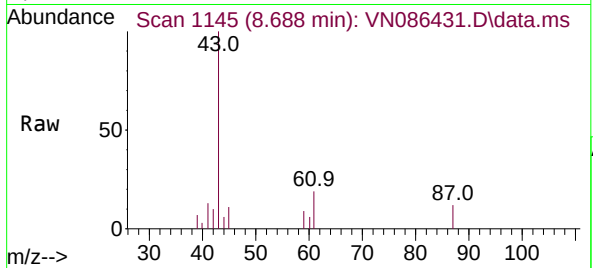




#43
Isopropyl Acetate
Concen: 4.605 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

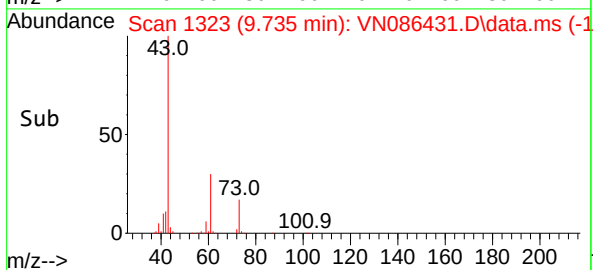
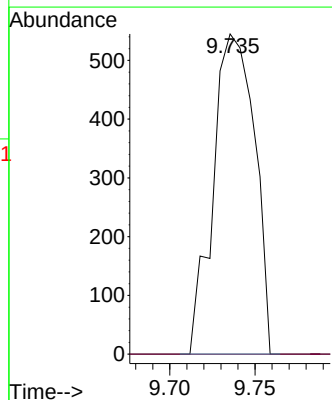
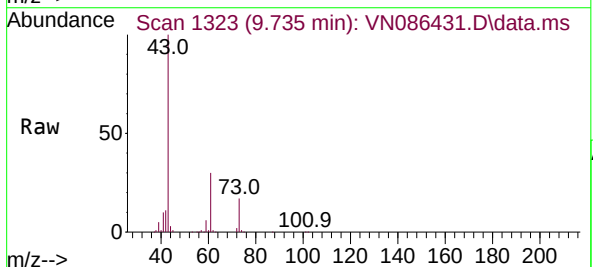
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#01

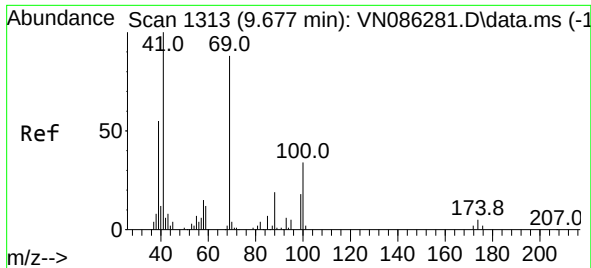
Tgt Ion: 43 Resp: 33233
Ion Ratio Lower Upper
43 100
61 16.4 20.5 30.7#
87 11.0 10.5 15.7



#45
1,2-Dichloropropane
Concen: 0.427 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

Tgt Ion: 63 Resp: 922
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.2#

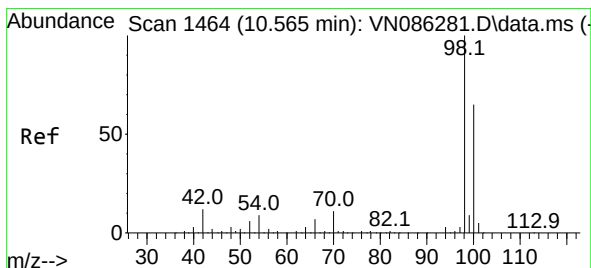
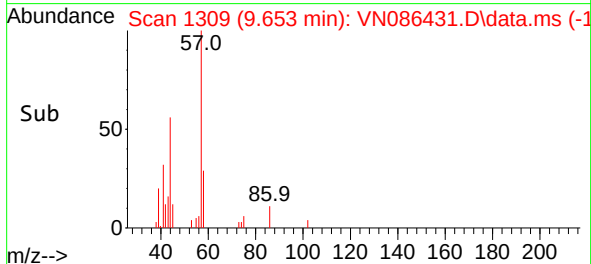
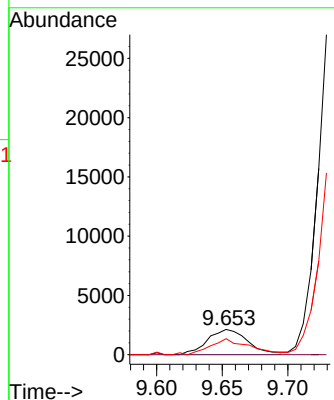
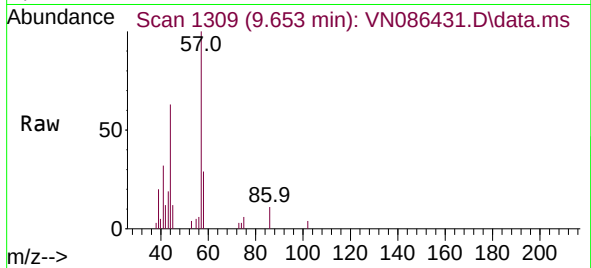




#48
Methyl methacrylate
Concen: 1.792 ug/l
RT: 9.653 min Scan# 1309
Delta R.T. -0.024 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

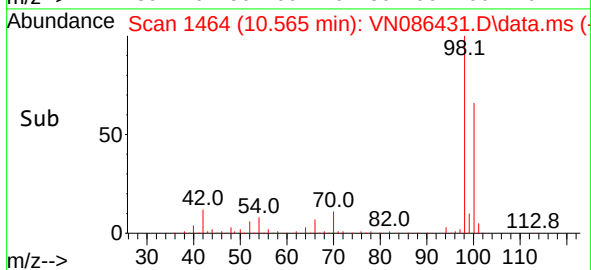
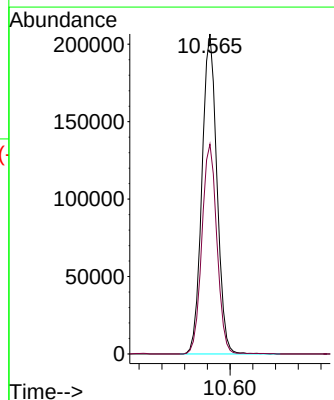
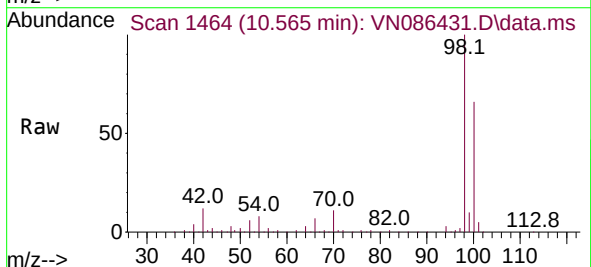
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#01

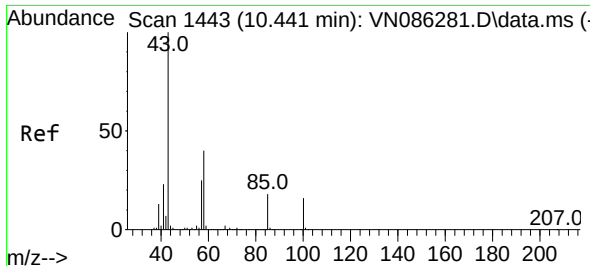
Tgt Ion: 41 Resp: 4563
Ion Ratio Lower Upper
41 100
69 0.0 68.2 102.2#
39 61.3 45.2 67.8



#50
Toluene-d8
Concen: 51.130 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

Tgt Ion: 98 Resp: 376718
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7

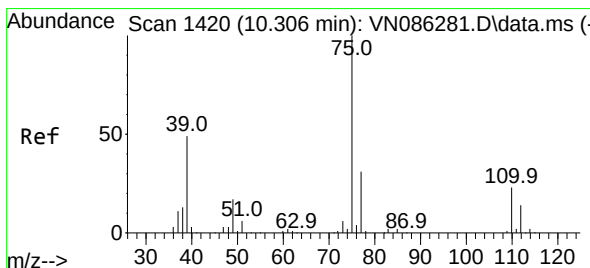
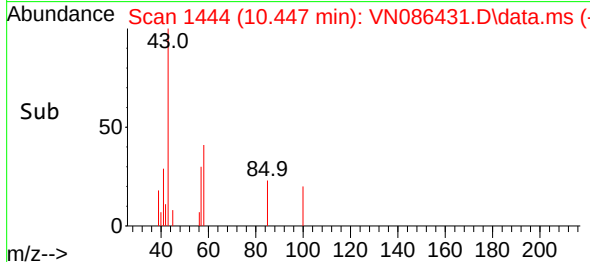
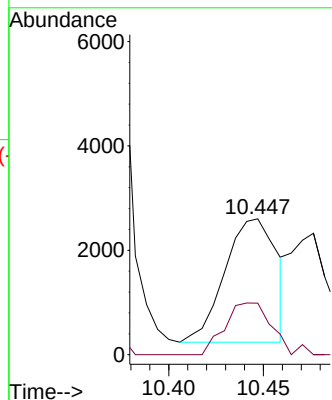
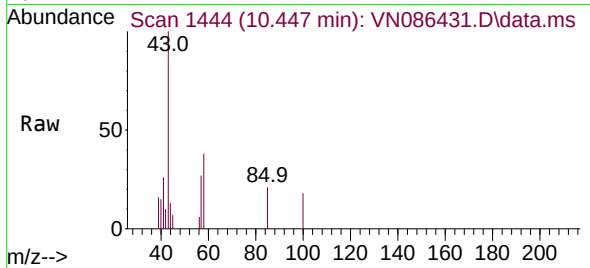




#51
4-Methyl-2-Pentanone
Concen: 1.514 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

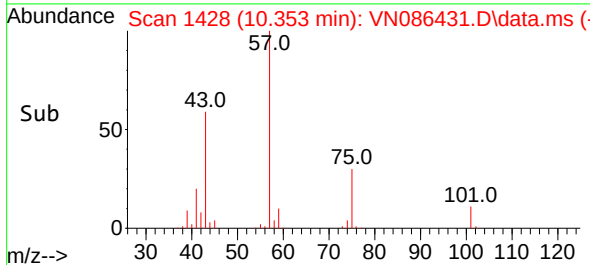
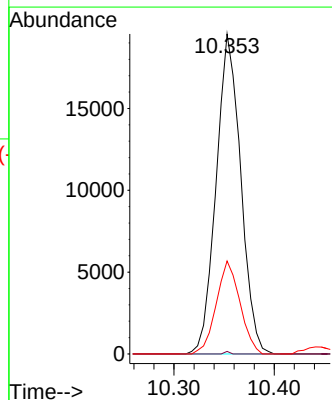
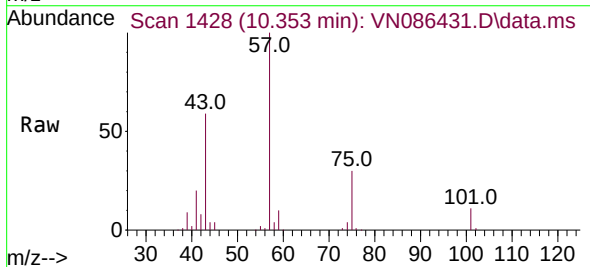
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#01

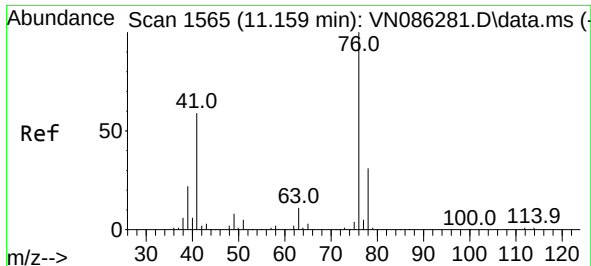
Tgt Ion: 43 Resp: 4493
Ion Ratio Lower Upper
43 100
58 38.5 32.2 48.4



#54
cis-1,3-Dichloropropene
Concen: 9.108 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

Tgt Ion: 75 Resp: 33186
Ion Ratio Lower Upper
75 100
77 0.8 25.2 37.8#
39 29.0 39.3 58.9#





#57

1,3-Dichloropropane

Concen: 0.917 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN086431.D

Acq: 30 Apr 2025 13:01

Instrument :

MSVOA_N

ClientSampleId :

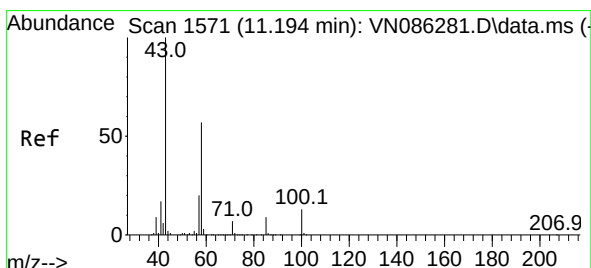
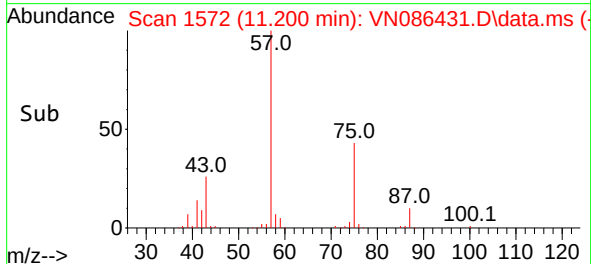
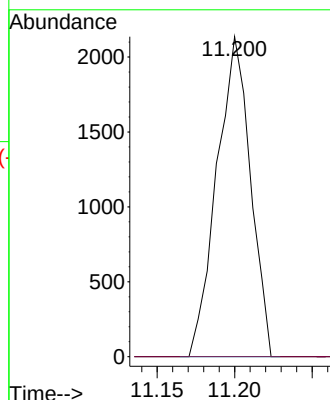
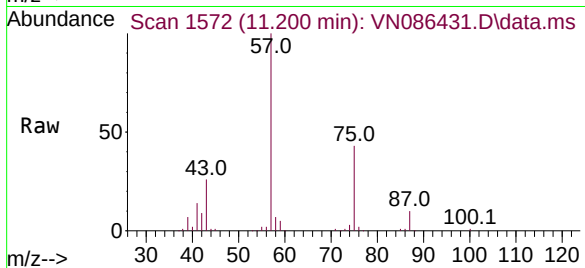
PB167775ZHE#01

Tgt Ion: 76 Resp: 3221

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 36.972 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086431.D

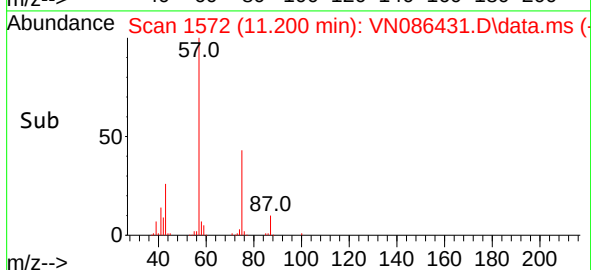
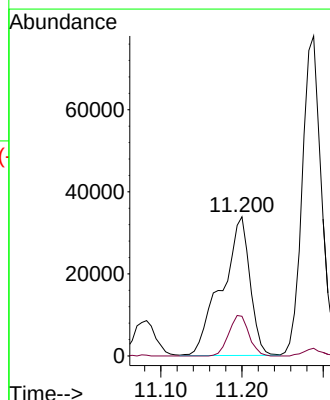
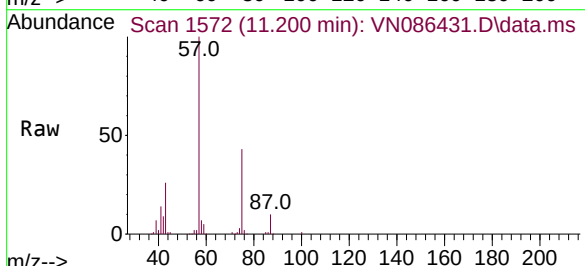
Acq: 30 Apr 2025 13:01

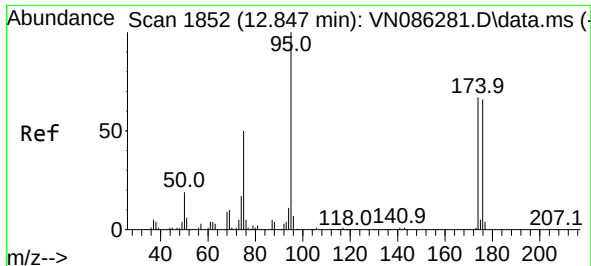
Tgt Ion: 43 Resp: 81406

Ion Ratio Lower Upper

43 100

58 20.9 28.3 85.0#

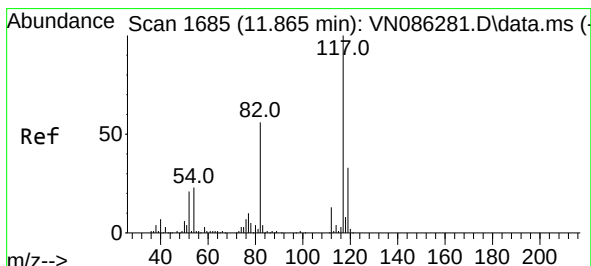
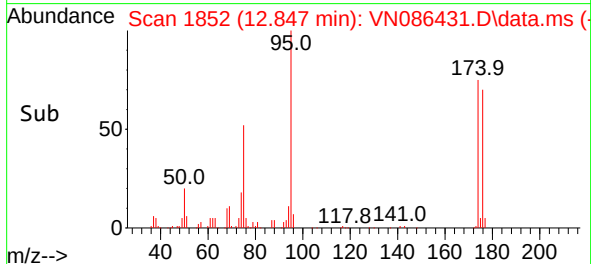
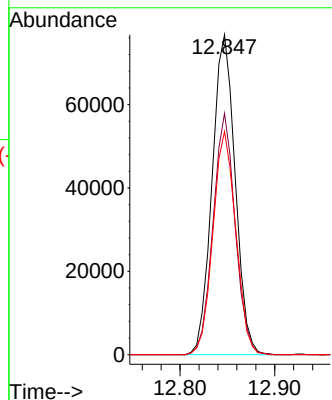
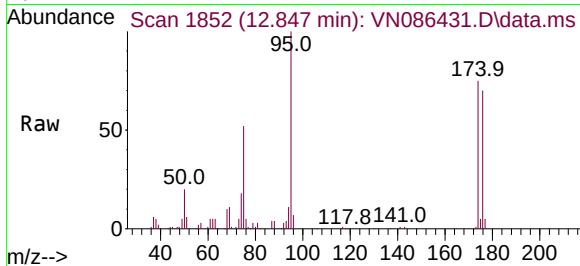




#62
4-Bromofluorobenzene
Concen: 48.326 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

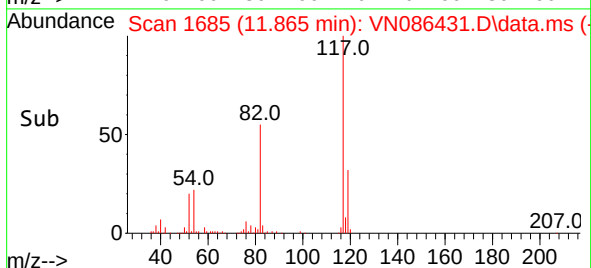
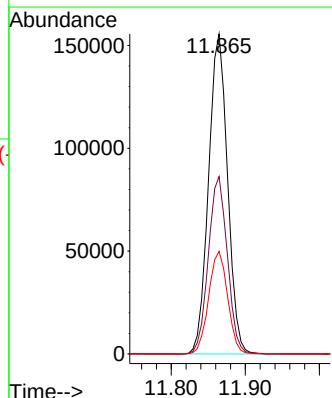
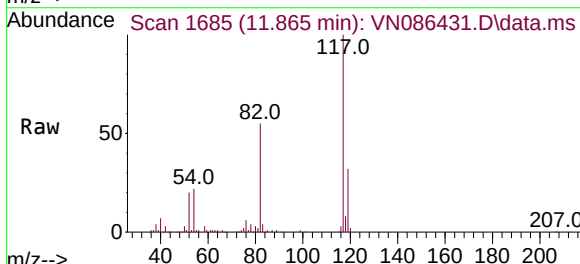
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#01

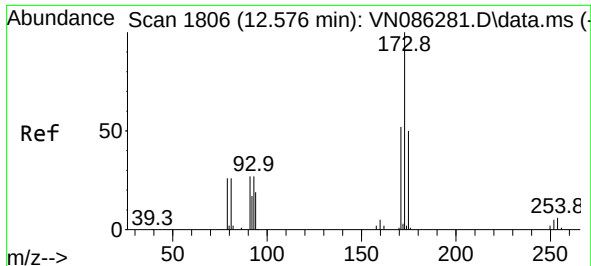
Tgt Ion: 95 Resp: 129871
Ion Ratio Lower Upper
95 100
174 72.3 0.0 133.4
176 69.0 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

Tgt Ion: 117 Resp: 276776
Ion Ratio Lower Upper
117 100
82 55.5 44.7 67.1
119 32.0 26.4 39.6

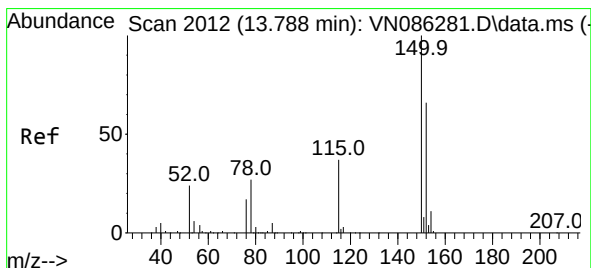
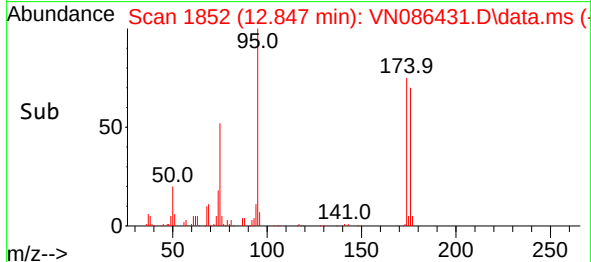
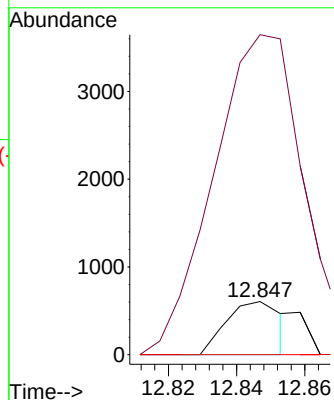
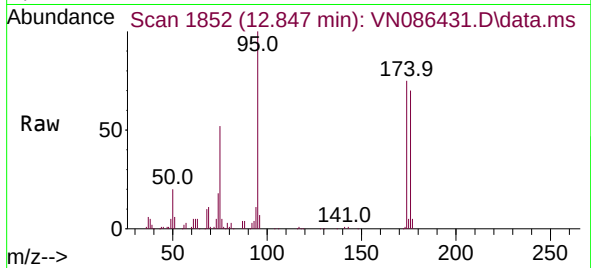




#71
Bromoform
Concen: 0.443 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.270 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

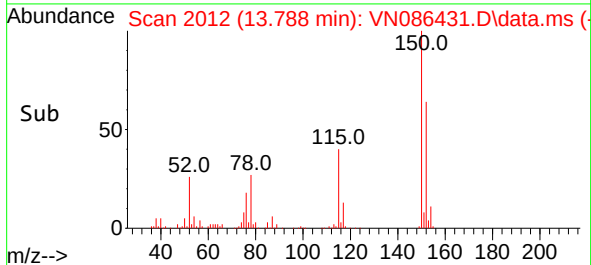
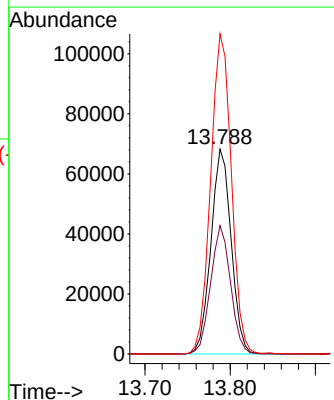
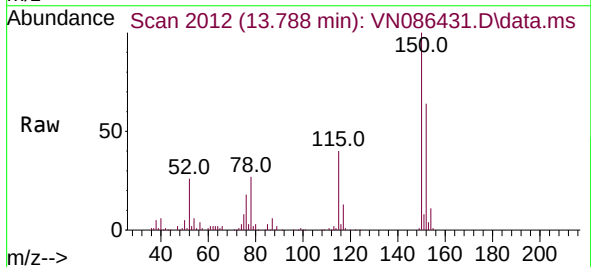
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#01

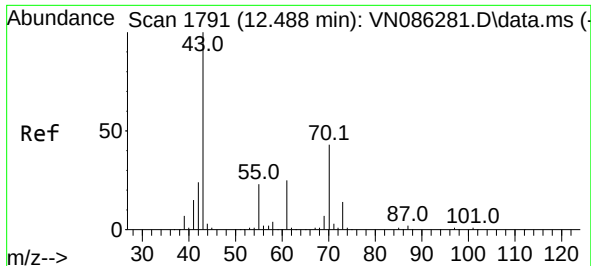
Tgt Ion:173 Resp: 679
Ion Ratio Lower Upper
173 100
175 788.8 24.6 73.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

Tgt Ion:152 Resp: 112606
Ion Ratio Lower Upper
152 100
115 61.7 31.9 95.9
150 159.7 0.0 352.0

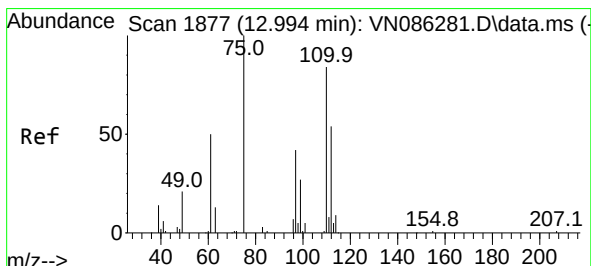
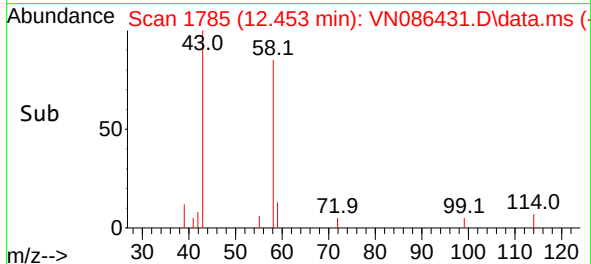
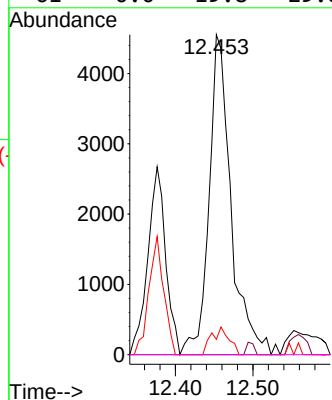
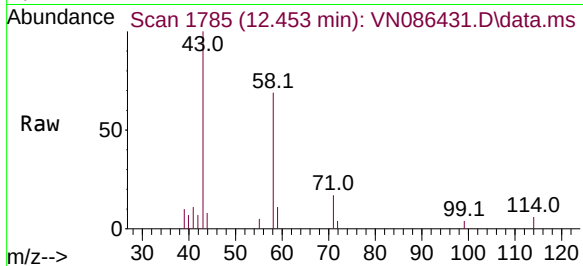




#74
N-amy1 acetate
Concen: 1.957 ug/l
RT: 12.453 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

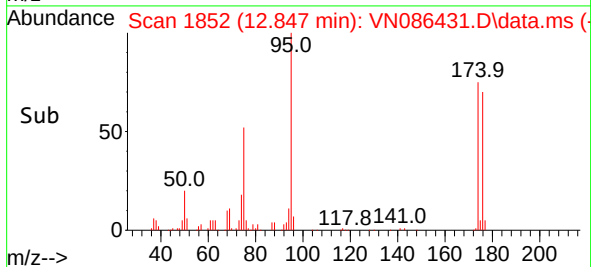
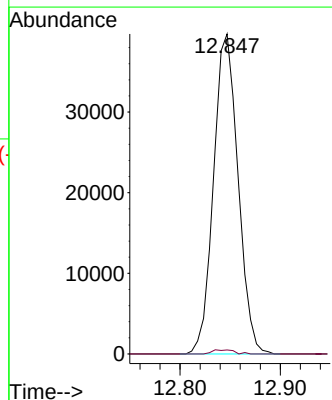
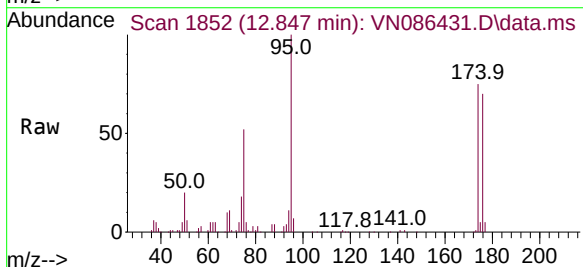
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#01

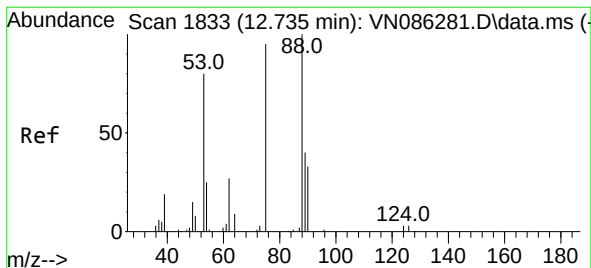
Tgt Ion: 43	Resp: 8973
Ion Ratio	Lower Upper
43 100	
70 0.0	35.0 52.4#
55 6.9	19.0 28.4#
61 0.0	19.8 29.8#



#76
1,2,3-Trichloropropane
Concen: 25.344 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

Tgt Ion: 75	Resp: 67348
Ion Ratio	Lower Upper
75 100	
77 1.1	98.8 296.4#

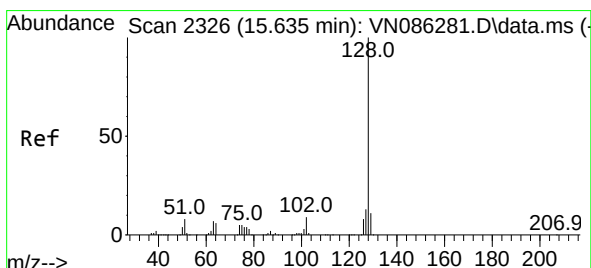
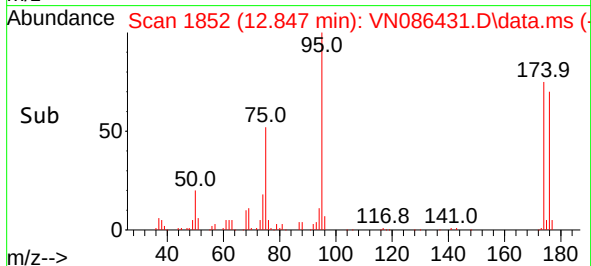
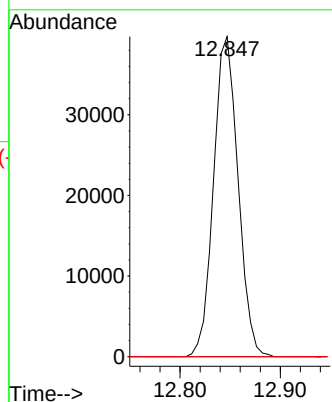
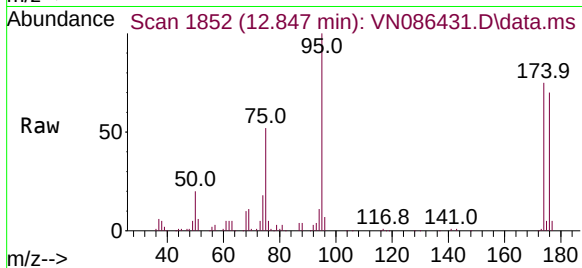




#81
trans-1,4-Dichloro-2-butene
Concen: 60.867 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#01

Tgt Ion: 75 Resp: 67348
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#



#95
Naphthalene
Concen: 0.332 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

Tgt Ion: 128 Resp: 2094
Ion Ratio Lower Upper
128 100
127 2.6 10.2 15.4#
129 0.0 8.6 13.0#

