

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
 Data File : VN086848.D
 Acq On : 03 Jun 2025 17:22
 Operator : JC\MD
 Sample : PB168225ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168225ZHE#09

Quant Time: Jun 04 02:02:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

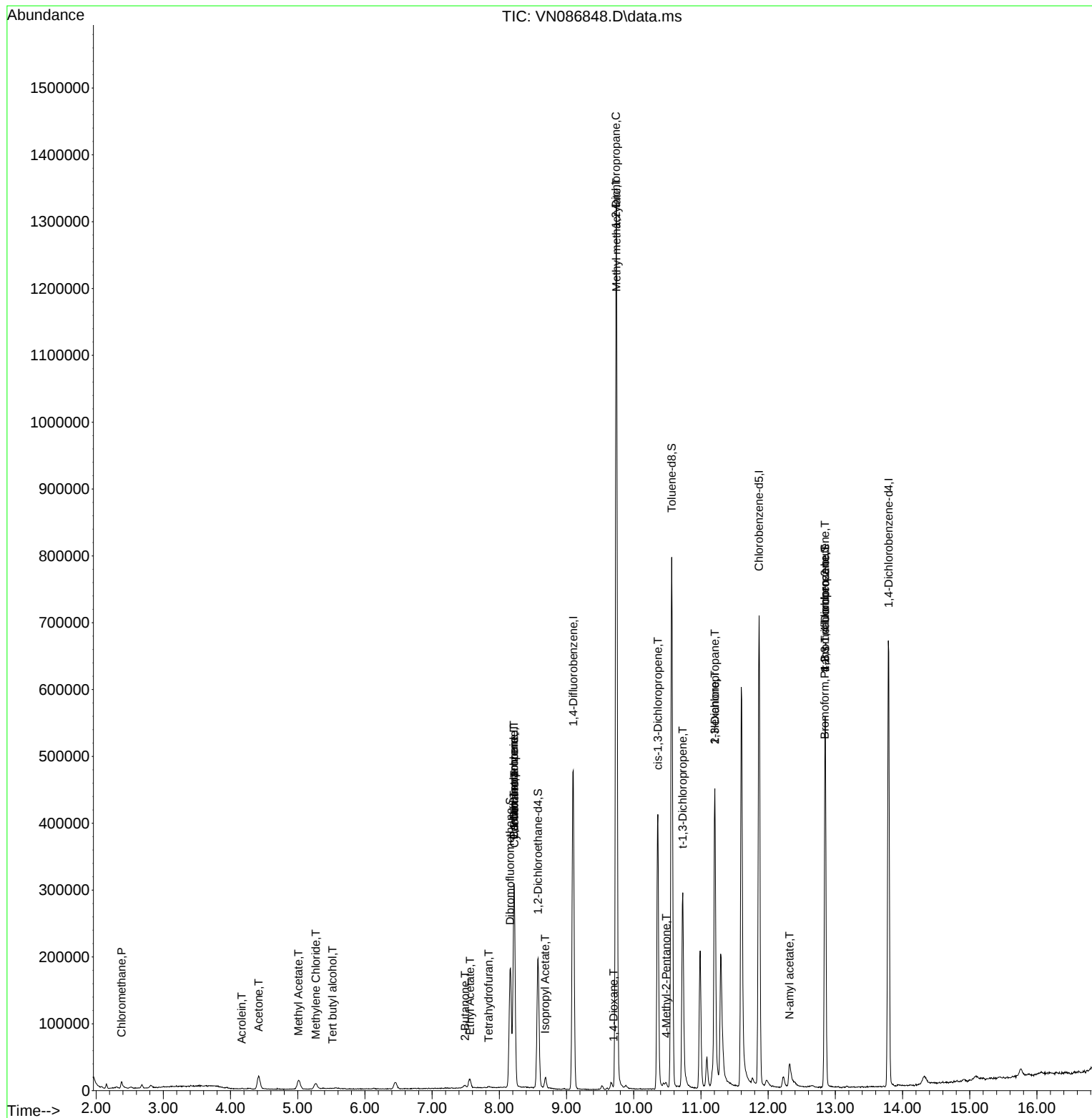
Internal Standards						
1) Pentafluorobenzene	8.218	168	231351	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	445738	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	428928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	196440	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	159161	49.787	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.580%
35) Dibromofluoromethane	8.159	113	138500	52.174	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.340%
50) Toluene-d8	10.565	98	569538	51.773	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.540%
62) 4-Bromofluorobenzene	12.847	95	214053	55.108	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	110.220%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	16523	4.372	ug/l	94
11) Tert butyl alcohol	5.518	59	450	0.773	ug/l #	73
13) Acrolein	4.165	56	488	0.784	ug/l #	36
16) Acetone	4.418	43	37970	31.752	ug/l	92
18) Methyl Acetate	5.012	43	29899	8.933	ug/l #	72
20) Methylene Chloride	5.271	84	6801	2.155	ug/l #	96
25) 2-Butanone	7.489	43	7370	3.988	ug/l	99
29) Tetrahydrofuran	7.841	42	1013	0.840	ug/l #	63
31) Cyclohexane	8.224	56	4640	0.967	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	18584	4.746	ug/l #	48
37) Ethyl Acetate	7.565	43	21553	5.449	ug/l	99
38) Carbon Tetrachloride	8.218	117	23488	6.088	ug/l #	17
43) Isopropyl Acetate	8.683	43	17093	2.156	ug/l	94
45) 1,2-Dichloropropane	9.735	63	1687	0.556	ug/l #	42
48) Methyl methacrylate	9.741	41	112778	36.705	ug/l #	35
49) 1,4-Dioxane	9.700	88	402	6.179	ug/l #	24
51) 4-Methyl-2-Pentanone	10.483	43	6424	1.607	ug/l #	33
53) t-1,3-Dichloropropene	10.730	75	992	0.222	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	86215	17.682	ug/l #	54
57) 1,3-Dichloropropane	11.206	76	5973	1.171	ug/l #	42
59) 2-Hexanone	11.206	43	88723	30.384	ug/l #	42
71) Bromoform	12.841	173	863	0.400	ug/l #	1
74) N-amyl acetate	12.318	43	21244	3.351	ug/l #	51
76) 1,2,3-Trichloropropane	12.847	75	101827	22.920	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	101827	57.843	ug/l #	15

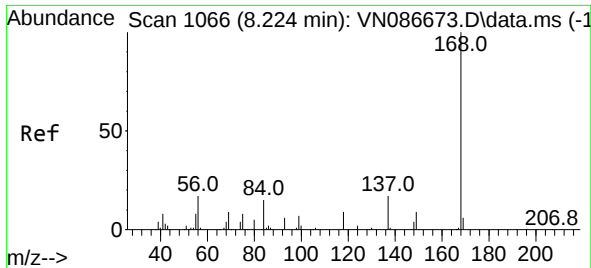
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
Data File : VN086848.D
Acq On : 03 Jun 2025 17:22
Operator : JC\MD
Sample : PB168225ZHE#09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB168225ZHE#09

Quant Time: Jun 04 02:02:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

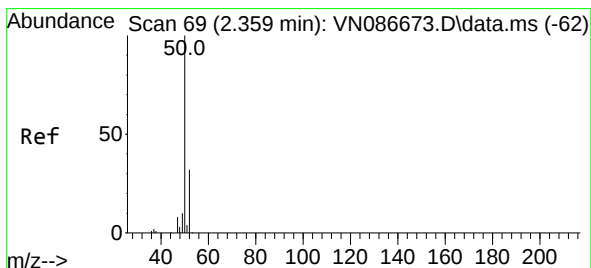
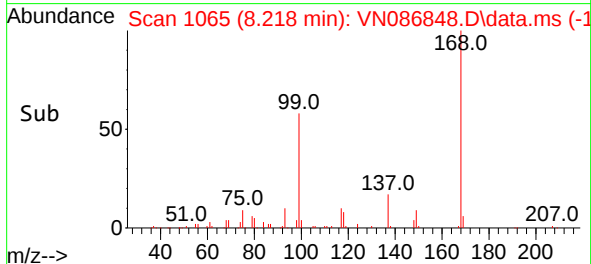
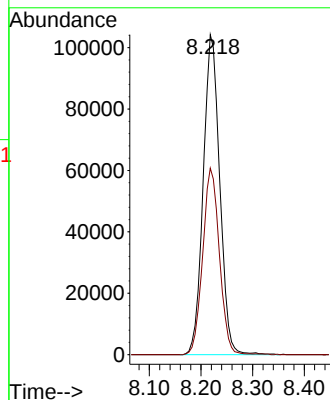
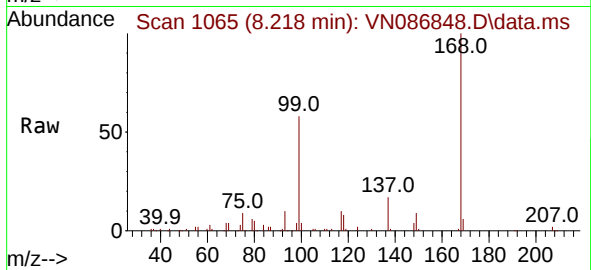




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086848.D
Acq: 03 Jun 2025 17:22

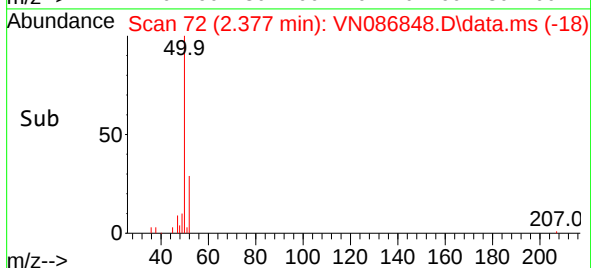
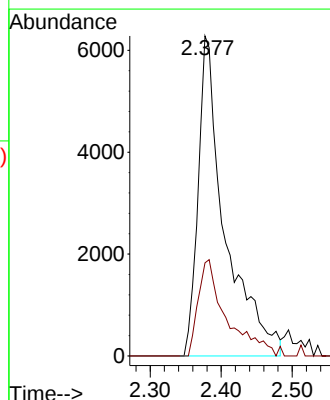
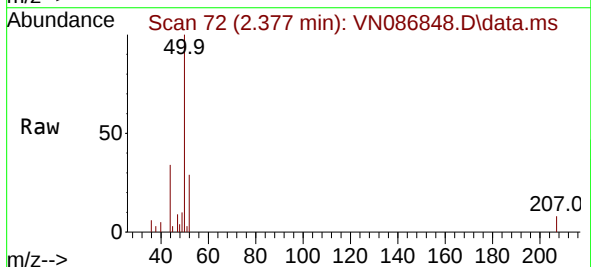
Instrument :
MSVOA_N
ClientSampleId :
PB168225ZHE#09

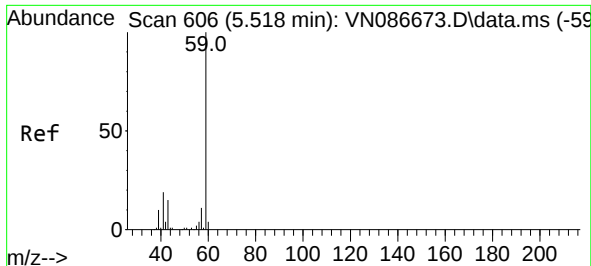
Tgt Ion:168 Resp: 231351
Ion Ratio Lower Upper
168 100
99 58.3 47.0 70.4



#3
Chloromethane
Concen: 4.372 ug/l
RT: 2.377 min Scan# 72
Delta R.T. 0.018 min
Lab File: VN086848.D
Acq: 03 Jun 2025 17:22

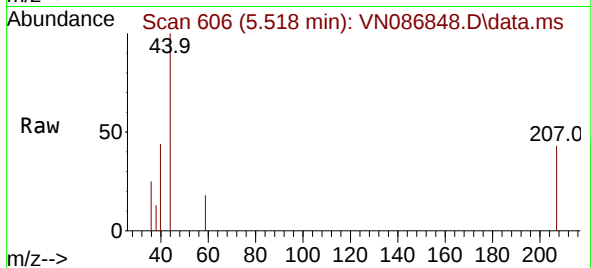
Tgt Ion: 50 Resp: 16523
Ion Ratio Lower Upper
50 100
52 29.1 25.9 38.9



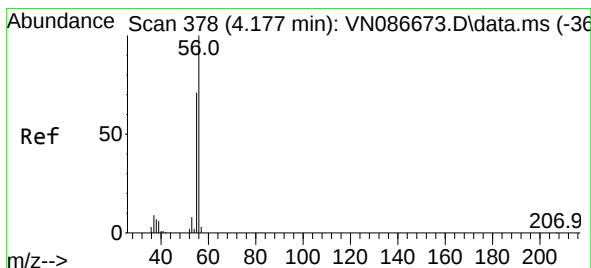
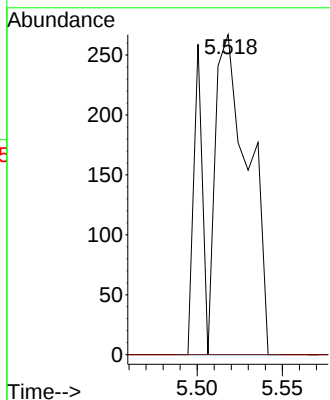
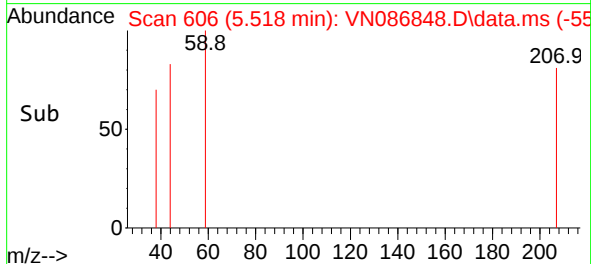


#11
Tert butyl alcohol
Concen: 0.773 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN086848.D
Acq: 03 Jun 2025 17:22

Instrument :
MSVOA_N
ClientSampleId :
PB168225ZHE#09

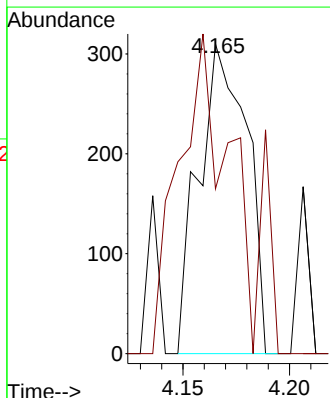
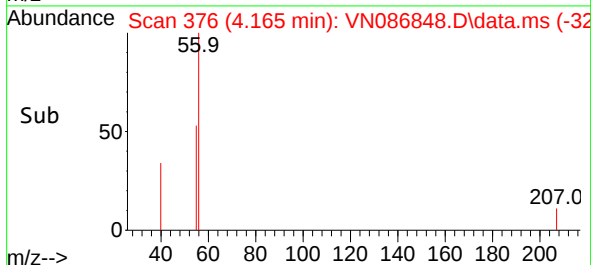
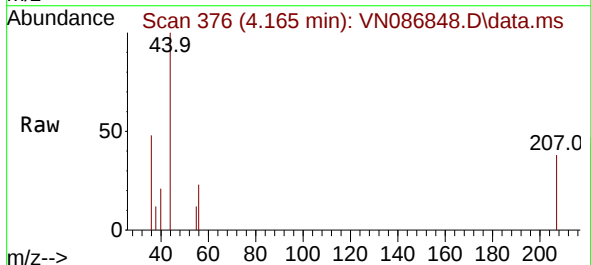


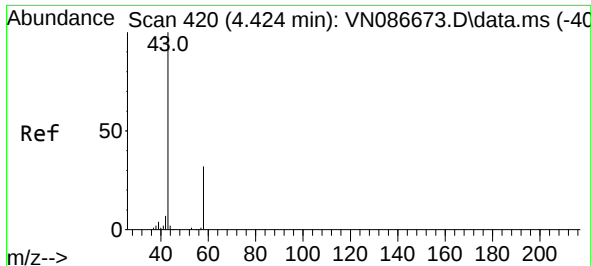
Tgt Ion: 59 Resp: 450
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 0.784 ug/l
RT: 4.165 min Scan# 376
Delta R.T. -0.012 min
Lab File: VN086848.D
Acq: 03 Jun 2025 17:22

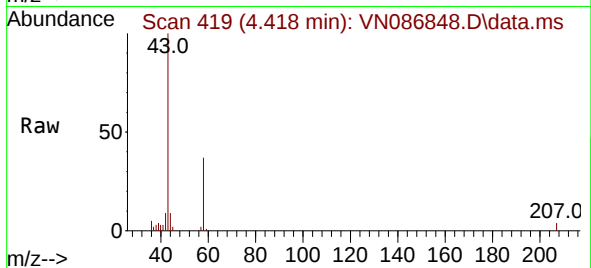
Tgt Ion: 56 Resp: 488
Ion Ratio Lower Upper
56 100
55 122.1 55.7 83.5#



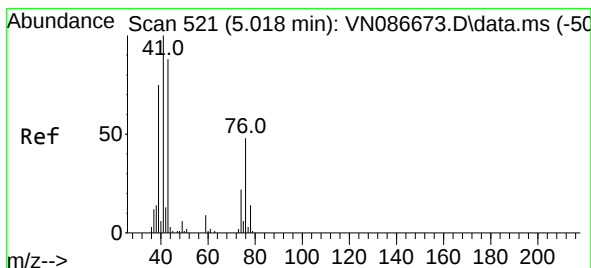
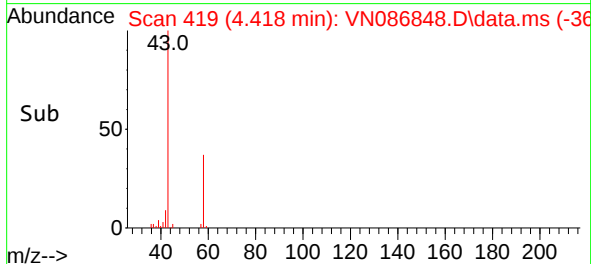
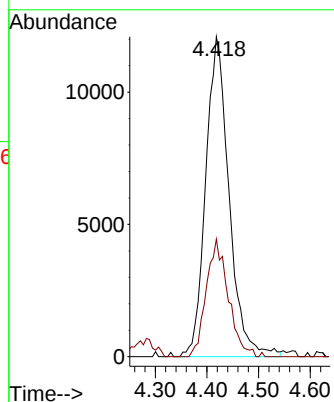


#16
Acetone
Concen: 31.752 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN086848.D
Acq: 03 Jun 2025 17:22

Instrument :
MSVOA_N
ClientSampleId :
PB168225ZHE#09

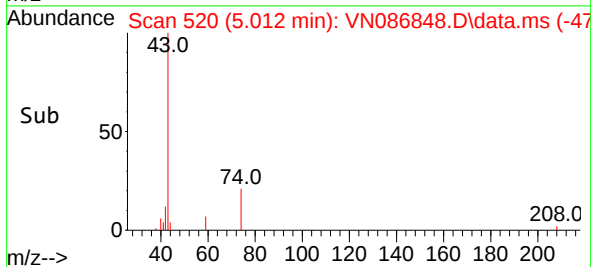
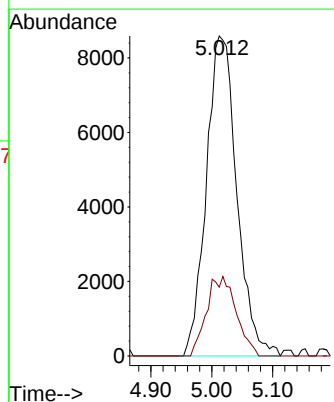
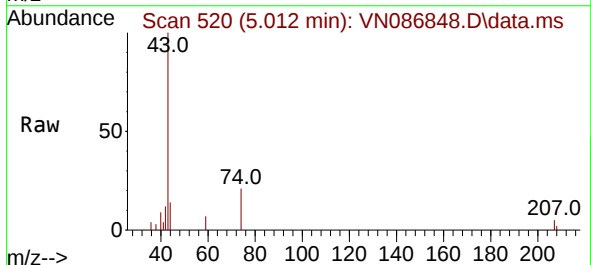


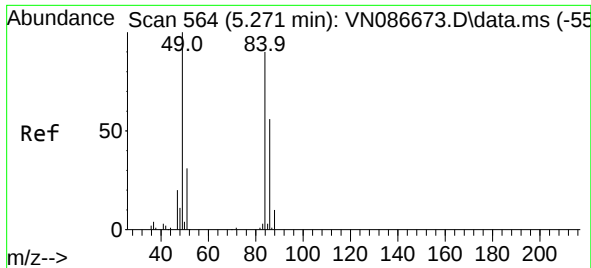
Tgt Ion: 43 Resp: 37970
Ion Ratio Lower Upper
43 100
58 36.8 25.8 38.6



#18
Methyl Acetate
Concen: 8.933 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN086848.D
Acq: 03 Jun 2025 17:22

Tgt Ion: 43 Resp: 29899
Ion Ratio Lower Upper
43 100
74 11.5 20.5 30.7#

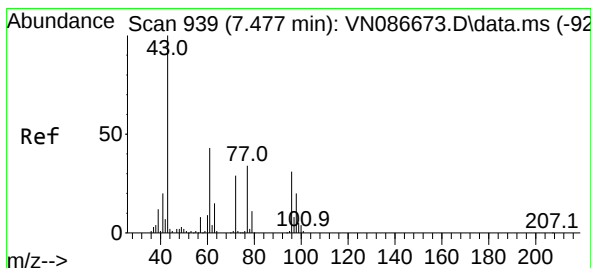
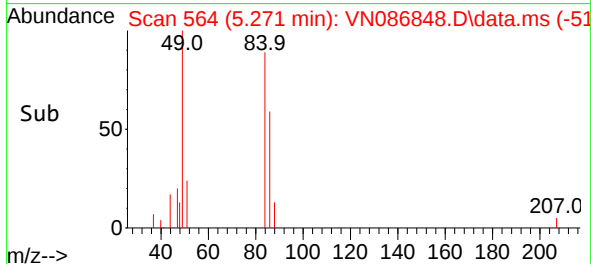
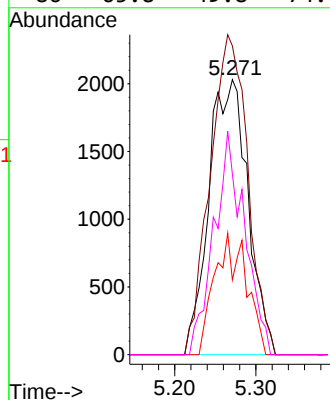
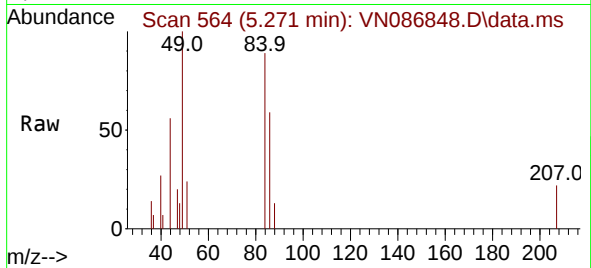




#20
Methylene Chloride
Concen: 2.155 ug/l
RT: 5.271 min Scan# 501
Delta R.T. 0.000 min
Lab File: VN086848.D
Acq: 03 Jun 2025 17:22

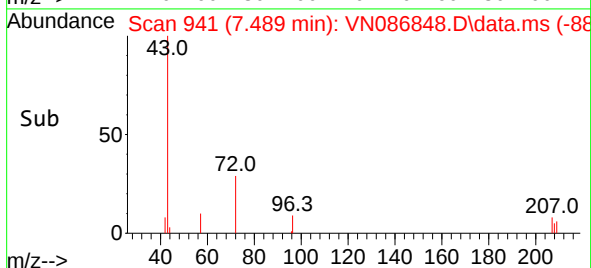
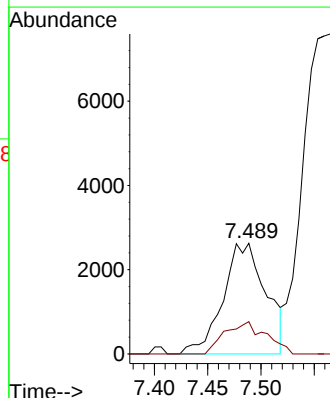
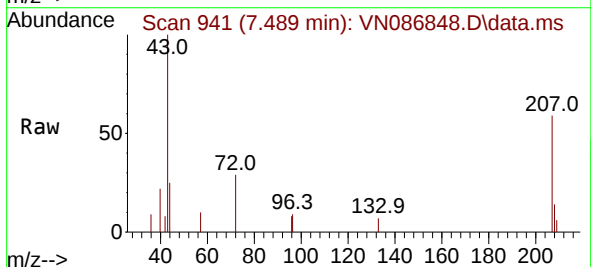
Instrument :
MSVOA_N
ClientSampleId :
PB168225ZHE#09

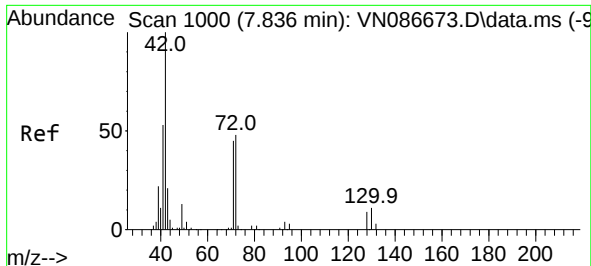
Tgt Ion:	84	Resp:	6801
Ion	Ratio	Lower	Upper
84	100		
49	112.3	88.8	133.2
51	27.2	27.8	41.6#
86	65.8	49.8	74.6



#25
2-Butanone
Concen: 3.988 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086848.D
Acq: 03 Jun 2025 17:22

Tgt Ion:	43	Resp:	7370
Ion	Ratio	Lower	Upper
43	100		
72	29.3	23.1	34.7

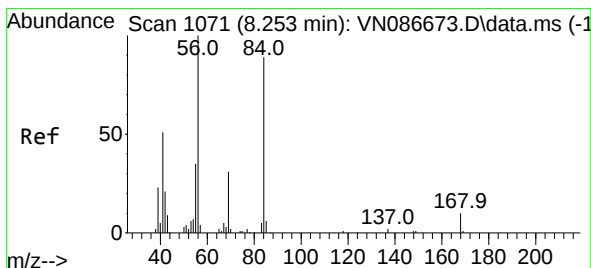
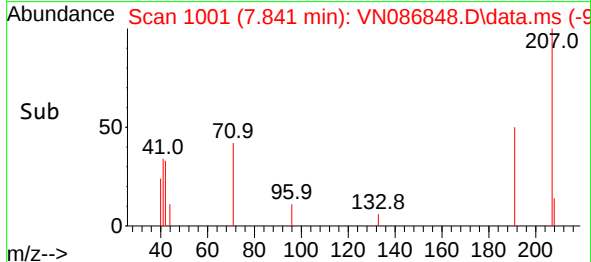
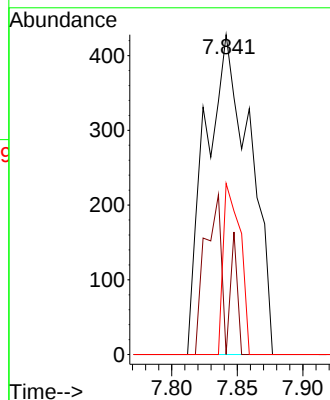
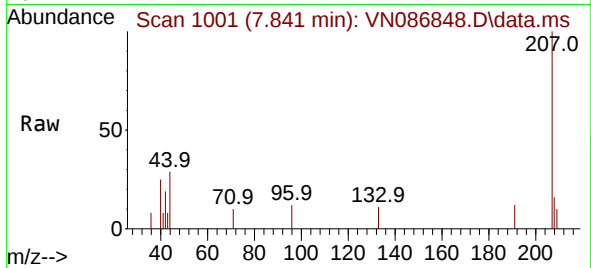




#29
Tetrahydrofuran
Concen: 0.840 ug/l
RT: 7.841 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086848.D
Acq: 03 Jun 2025 17:22

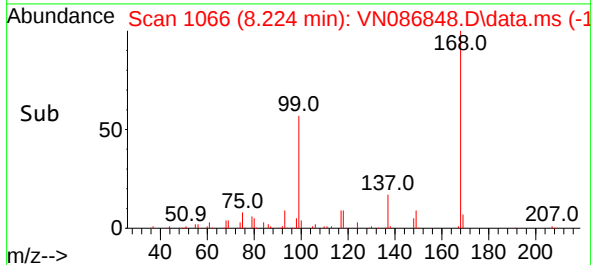
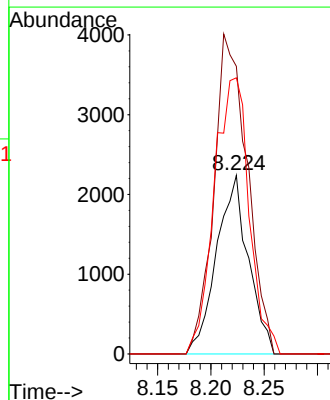
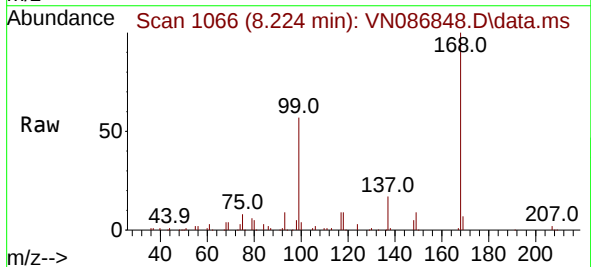
Instrument :
MSVOA_N
ClientSampleId :
PB168225ZHE#09

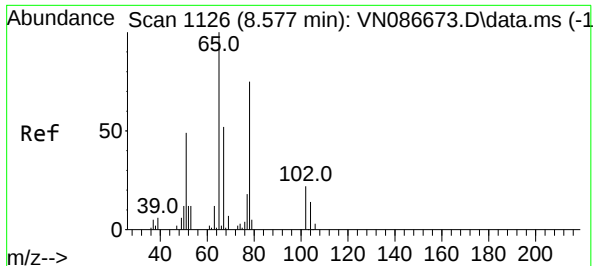
Tgt Ion:	42	Resp:	1013
Ion	Ratio	Lower	Upper
42	100		
72	23.9	38.7	58.1#
71	20.3	36.2	54.4#



#31
Cyclohexane
Concen: 0.967 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086848.D
Acq: 03 Jun 2025 17:22

Tgt Ion:	56	Resp:	4640
Ion	Ratio	Lower	Upper
56	100		
69	161.1	25.0	37.6#
84	154.6	71.0	106.4#





#33

1,2-Dichloroethane-d4

Concen: 49.787 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086848.D

Acq: 03 Jun 2025 17:22

Instrument :

MSVOA_N

ClientSampleId :

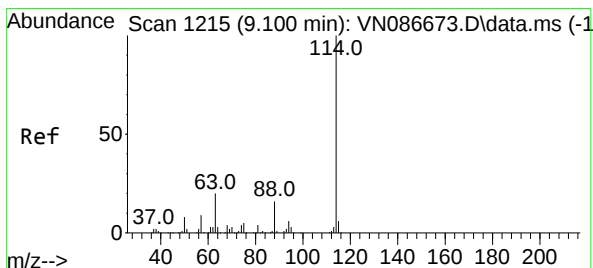
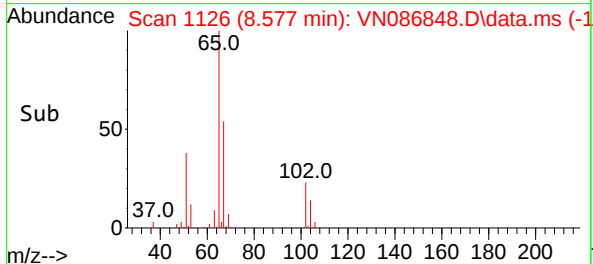
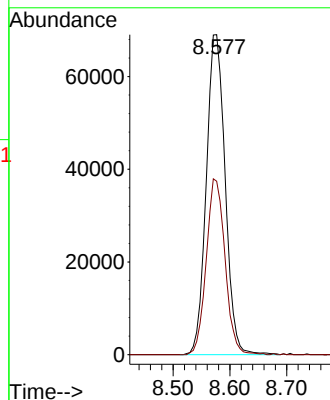
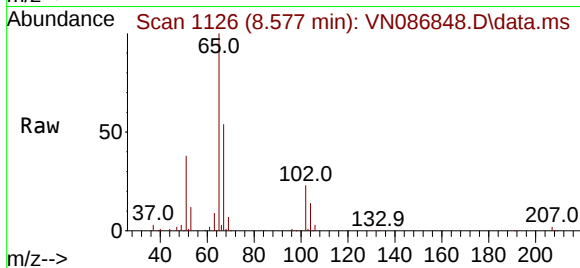
PB168225ZHE#09

Tgt Ion: 65 Resp: 159161

Ion Ratio Lower Upper

65 100

67 54.6 0.0 106.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN086848.D

Acq: 03 Jun 2025 17:22

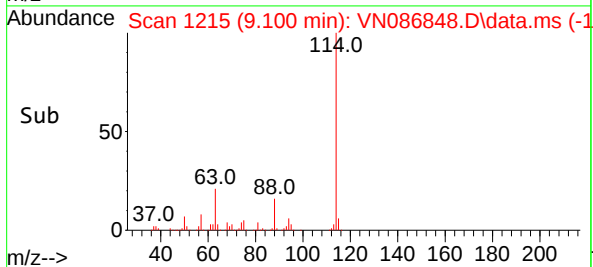
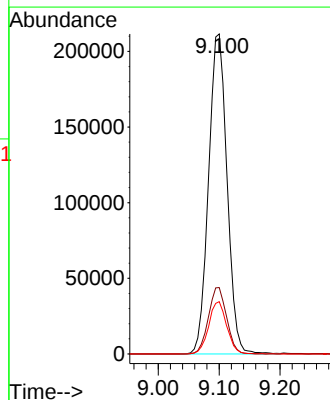
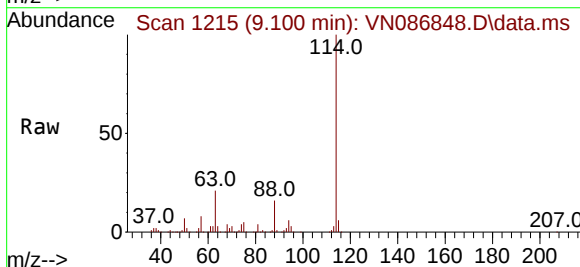
Tgt Ion: 114 Resp: 445738

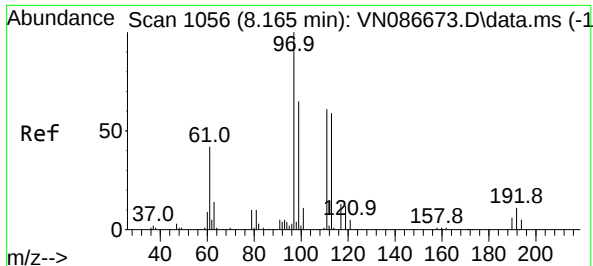
Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.2

88 16.4 0.0 31.2





#35

Dibromofluoromethane

Concen: 52.174 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086848.D

Acq: 03 Jun 2025 17:22

Instrument :

MSVOA_N

ClientSampleId :

PB168225ZHE#09

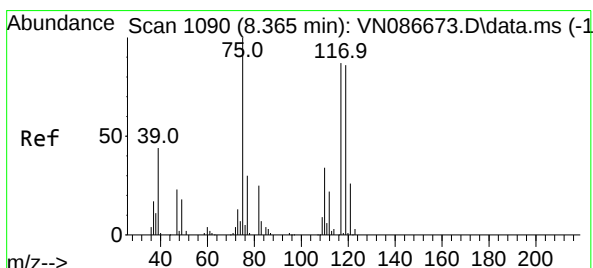
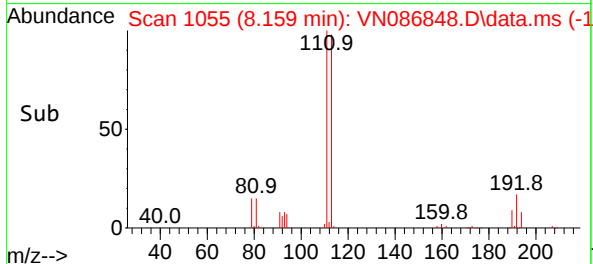
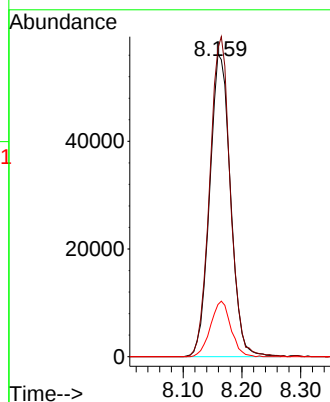
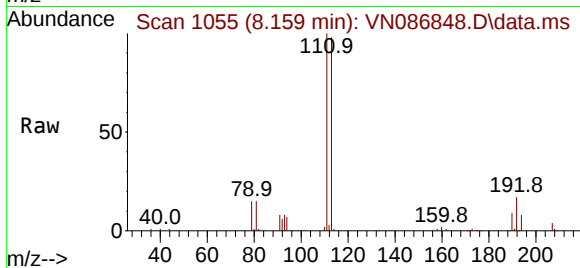
Tgt Ion:113 Resp: 138500

Ion Ratio Lower Upper

113 100

111 104.4 82.2 123.2

192 17.9 13.8 20.8



#36

1,1-Dichloropropene

Concen: 4.746 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086848.D

Acq: 03 Jun 2025 17:22

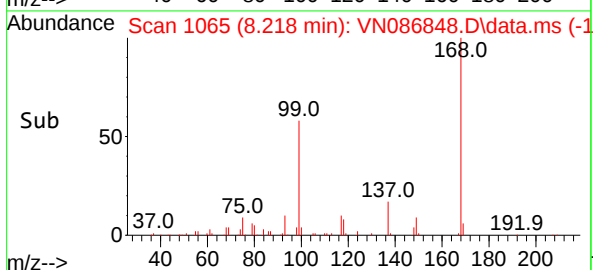
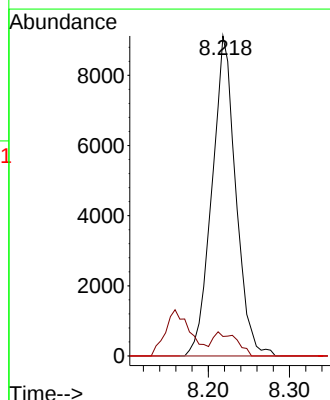
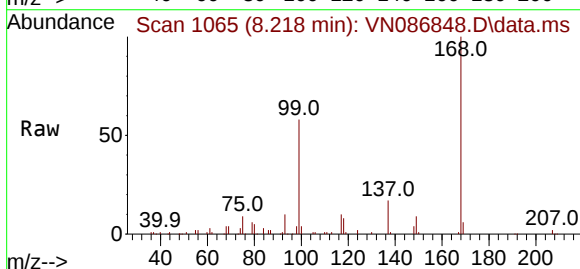
Tgt Ion: 75 Resp: 18584

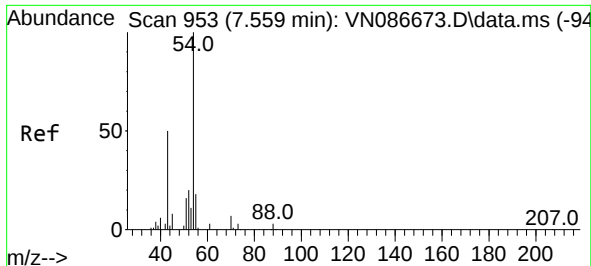
Ion Ratio Lower Upper

75 100

110 7.3 17.5 52.5#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 5.449 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN086848.D

Acq: 03 Jun 2025 17:22

Instrument :

MSVOA_N

ClientSampleId :

PB168225ZHE#09

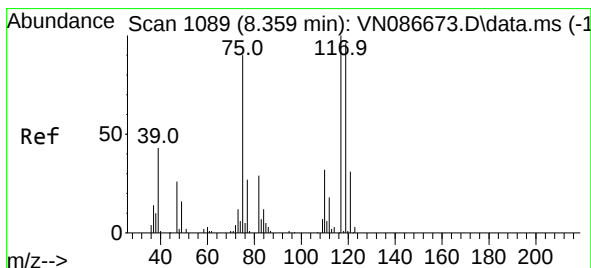
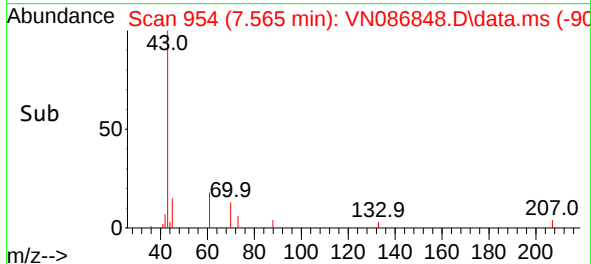
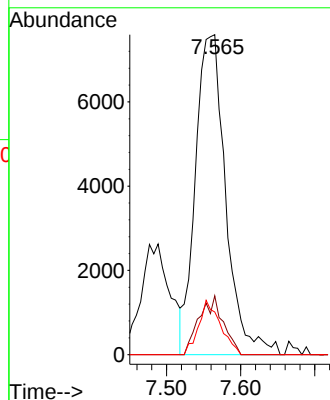
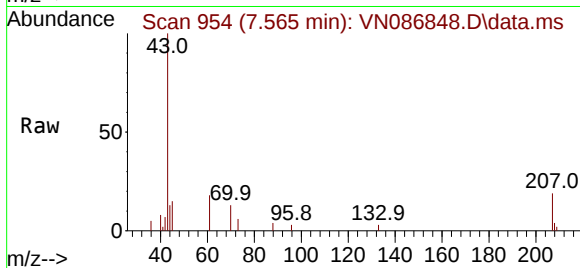
Tgt Ion: 43 Resp: 21553

Ion Ratio Lower Upper

43 100

61 14.7 11.6 17.4

70 12.3 9.4 14.0



#38

Carbon Tetrachloride

Concen: 6.088 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN086848.D

Acq: 03 Jun 2025 17:22

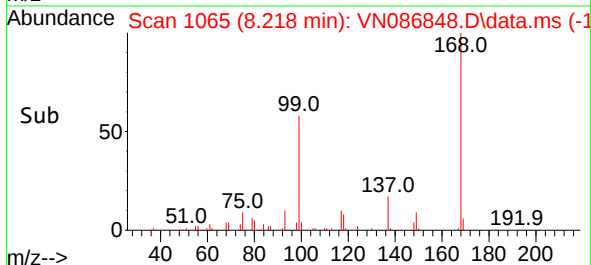
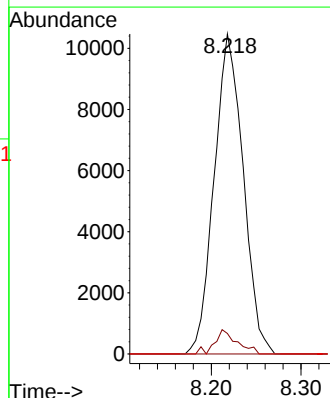
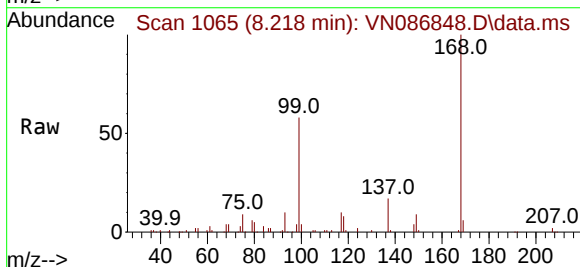
Tgt Ion: 117 Resp: 23488

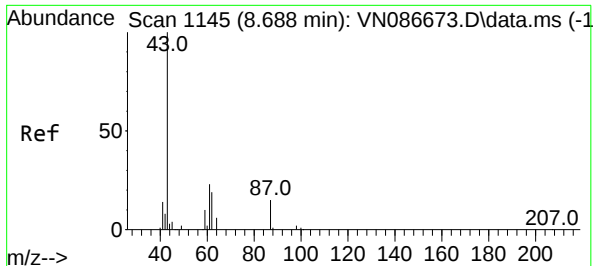
Ion Ratio Lower Upper

117 100

119 6.4 77.0 115.6#

121 0.0 25.0 37.6#





#43

Isopropyl Acetate

Concen: 2.156 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. -0.006 min

Lab File: VN086848.D

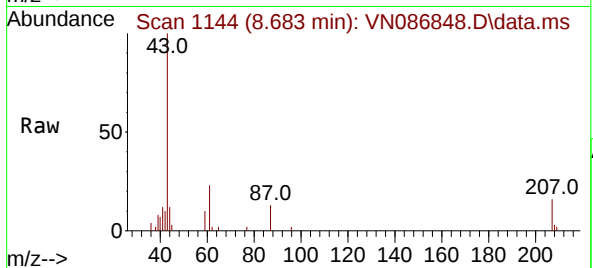
Acq: 03 Jun 2025 17:22

Instrument :

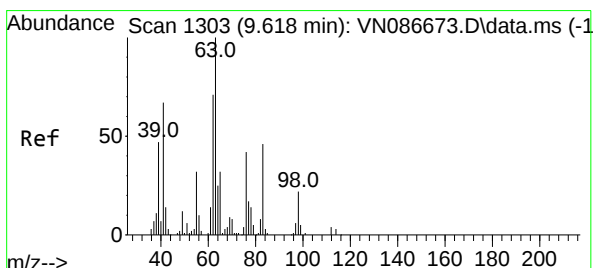
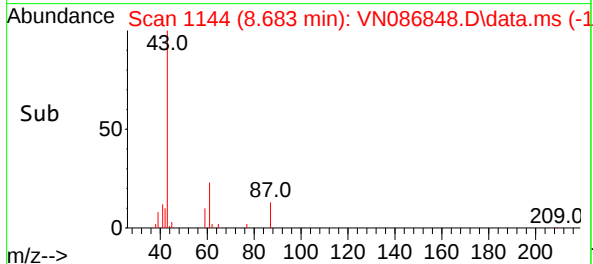
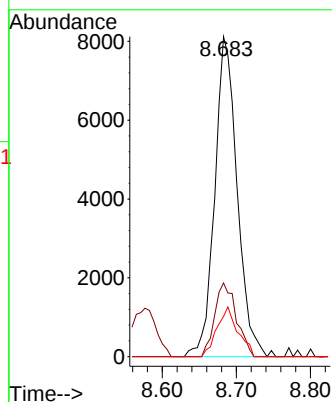
MSVOA_N

ClientSampleId :

PB168225ZHE#09



Tgt Ion:	43	Resp:	17093
Ion	Ratio	Lower	Upper
43	100		
61	22.2	21.4	32.2
87	14.4	11.1	16.7



#45

1,2-Dichloropropane

Concen: 0.556 ug/l

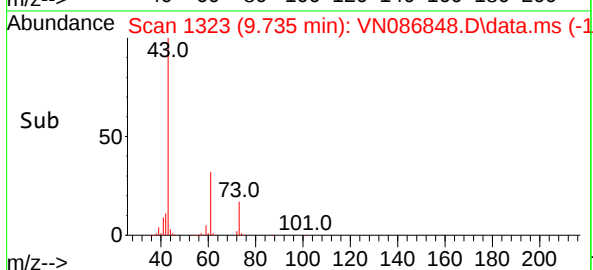
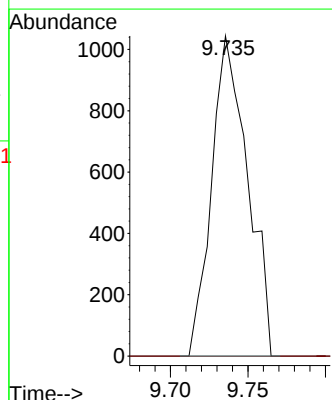
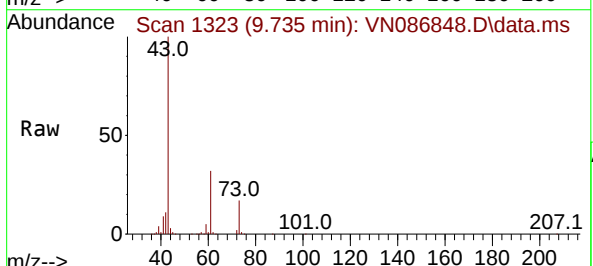
RT: 9.735 min Scan# 1323

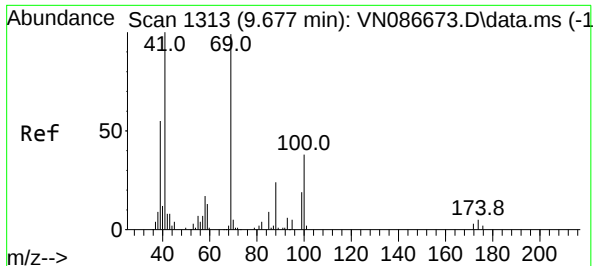
Delta R.T. 0.118 min

Lab File: VN086848.D

Acq: 03 Jun 2025 17:22

Tgt Ion:	63	Resp:	1687
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.8	38.6





#48

Methyl methacrylate

Concen: 36.705 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.065 min

Lab File: VN086848.D

Acq: 03 Jun 2025 17:22

Instrument :

MSVOA_N

ClientSampleId :

PB168225ZHE#09

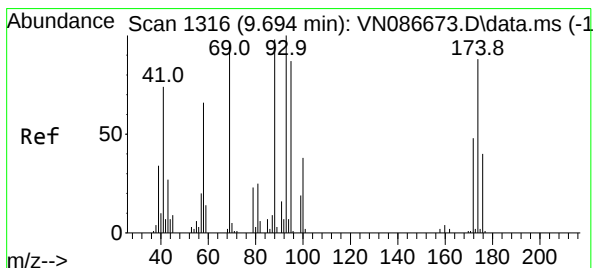
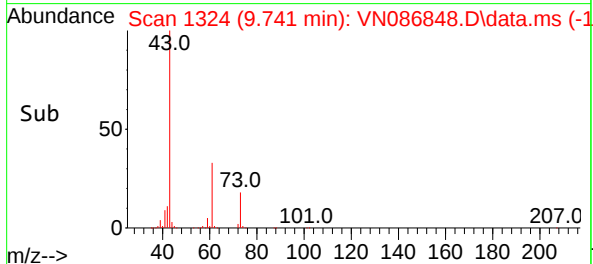
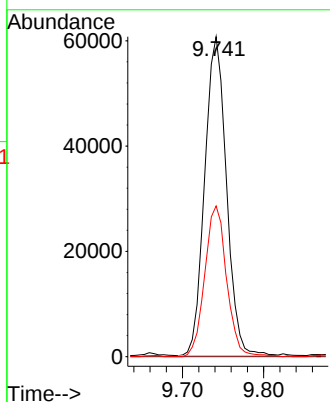
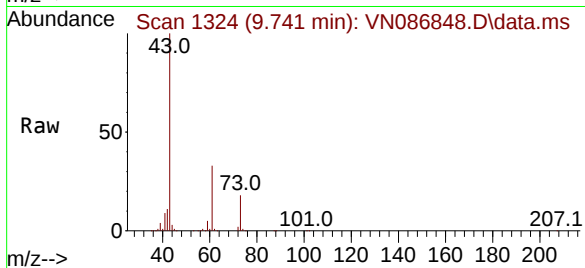
Tgt Ion: 41 Resp: 112778

Ion Ratio Lower Upper

41 100

69 0.0 74.1 111.1#

39 47.5 44.1 66.1



#49

1,4-Dioxane

Concen: 6.179 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. 0.006 min

Lab File: VN086848.D

Acq: 03 Jun 2025 17:22

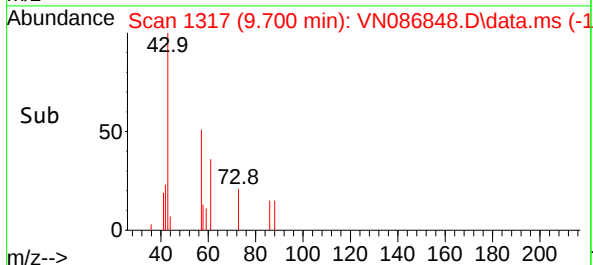
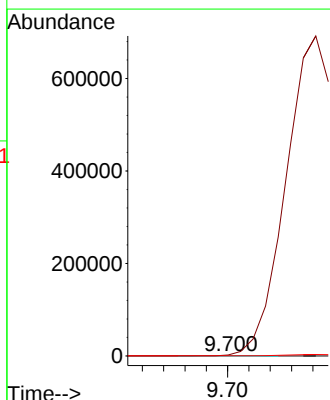
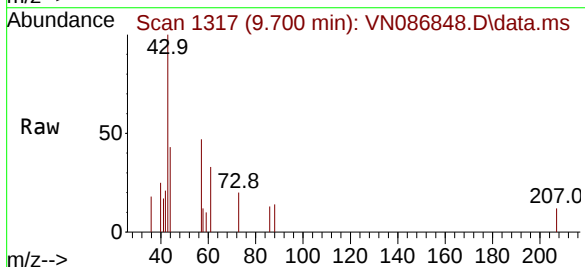
Tgt Ion: 88 Resp: 402

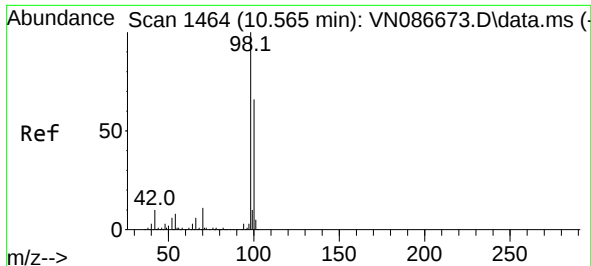
Ion Ratio Lower Upper

88 100

43 0.0 23.6 35.4#

58 0.0 55.3 82.9#

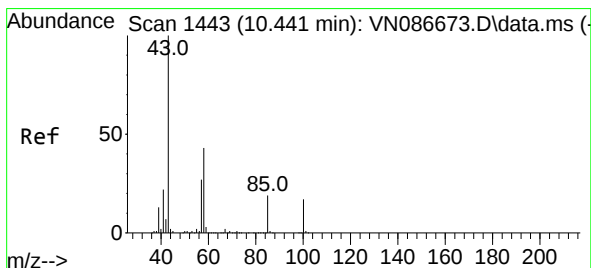
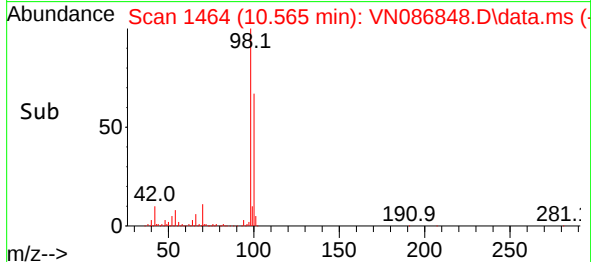
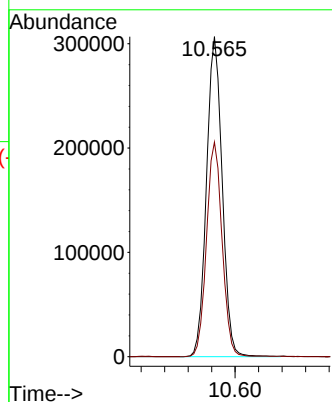
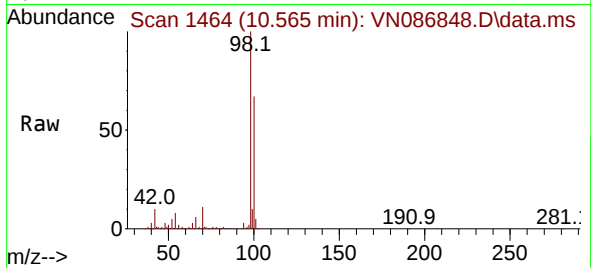




#50
Toluene-d8
Concen: 51.773 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086848.D
Acq: 03 Jun 2025 17:22

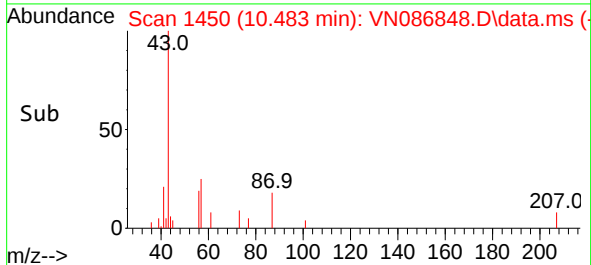
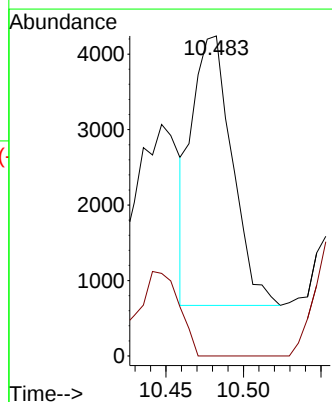
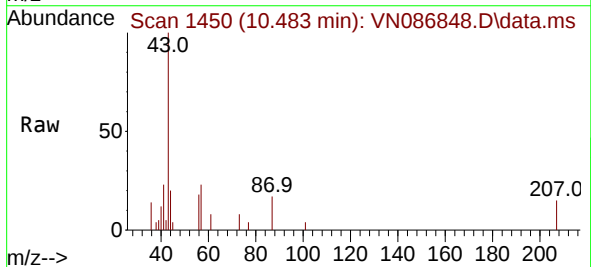
Instrument :
MSVOA_N
ClientSampleId :
PB168225ZHE#09

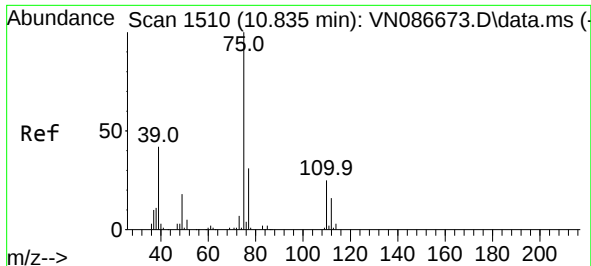
Tgt Ion: 98 Resp: 569538
Ion Ratio Lower Upper
98 100
100 66.6 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 1.607 ug/l
RT: 10.483 min Scan# 1450
Delta R.T. 0.041 min
Lab File: VN086848.D
Acq: 03 Jun 2025 17:22

Tgt Ion: 43 Resp: 6424
Ion Ratio Lower Upper
43 100
58 0.0 33.9 50.9#

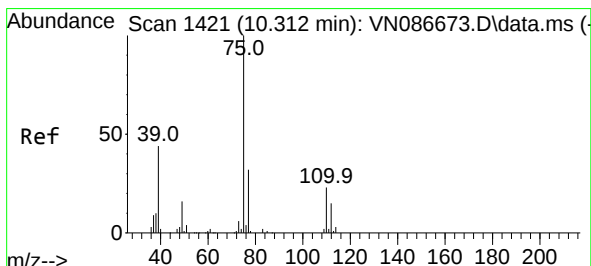
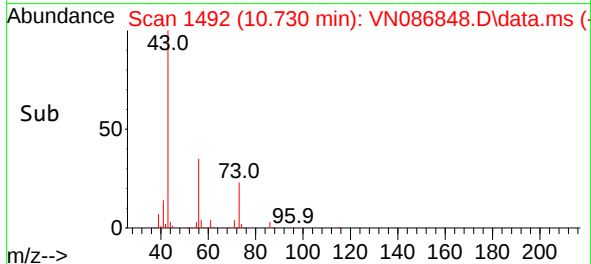
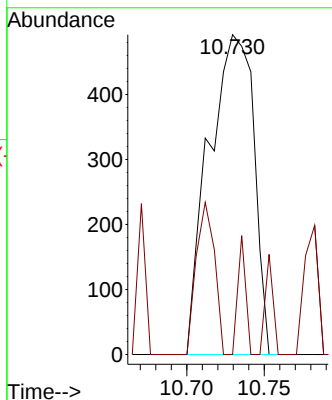
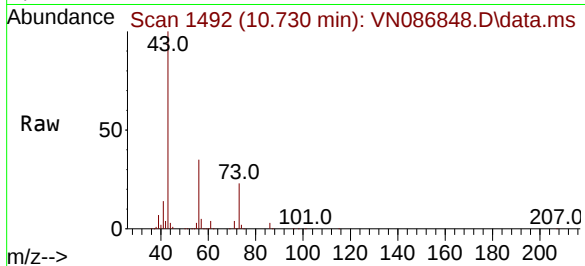




#53
t-1,3-Dichloropropene
Concen: 0.222 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN086848.D
Acq: 03 Jun 2025 17:22

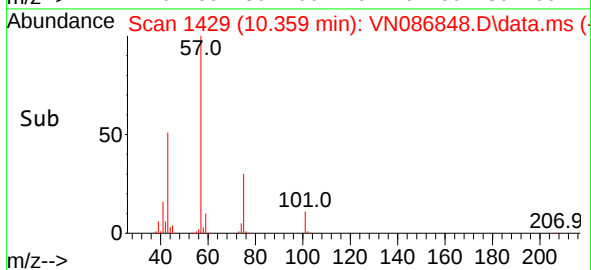
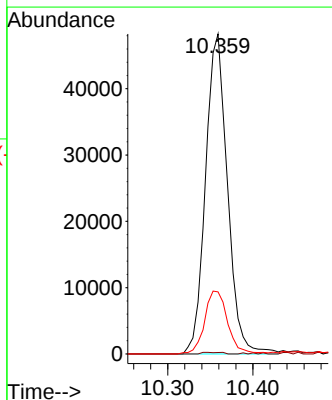
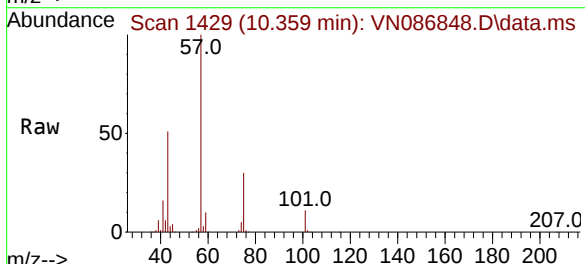
Instrument :
MSVOA_N
ClientSampleId :
PB168225ZHE#09

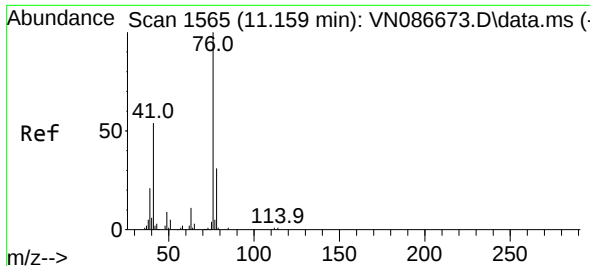
Tgt Ion: 75 Resp: 992
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#



#54
cis-1,3-Dichloropropene
Concen: 17.682 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN086848.D
Acq: 03 Jun 2025 17:22

Tgt Ion: 75 Resp: 86215
Ion Ratio Lower Upper
75 100
77 0.5 25.3 37.9#
39 19.4 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 1.171 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.047 min

Lab File: VN086848.D

Acq: 03 Jun 2025 17:22

Instrument :

MSVOA_N

ClientSampleId :

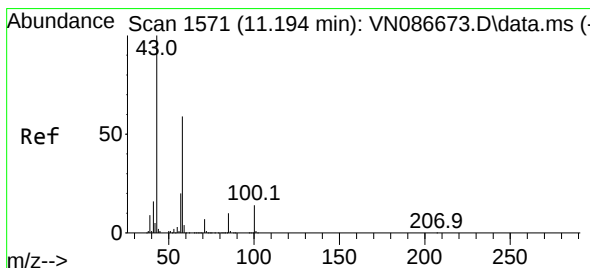
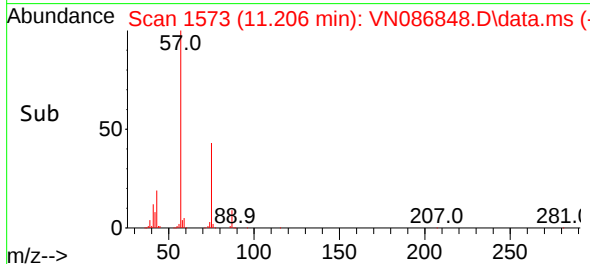
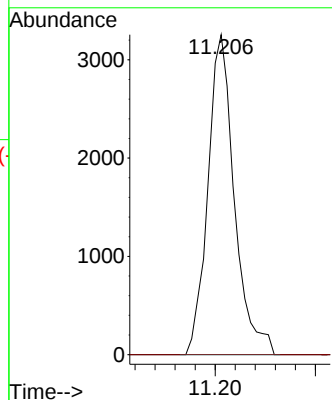
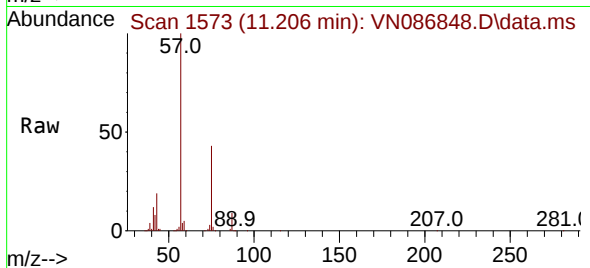
PB168225ZHE#09

Tgt Ion: 76 Resp: 5973

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 30.384 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.012 min

Lab File: VN086848.D

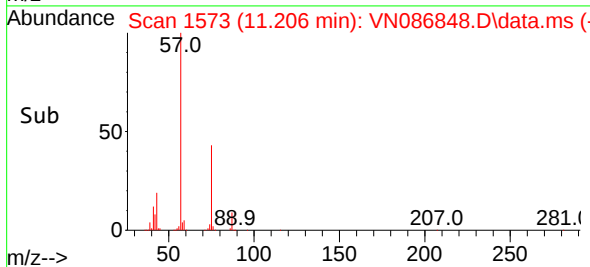
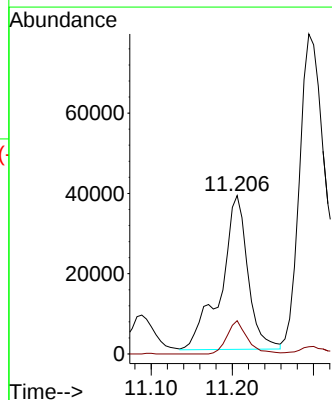
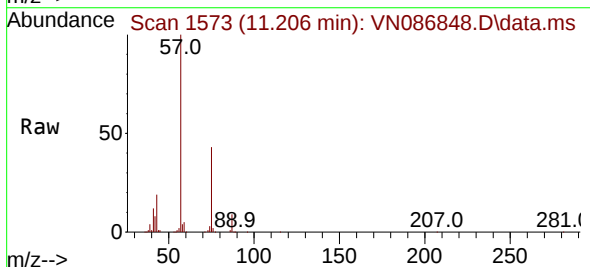
Acq: 03 Jun 2025 17:22

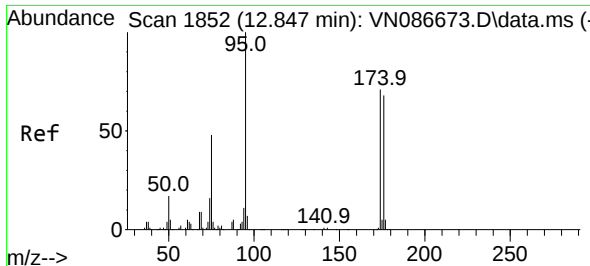
Tgt Ion: 43 Resp: 88723

Ion Ratio Lower Upper

43 100

58 16.3 29.8 89.5#

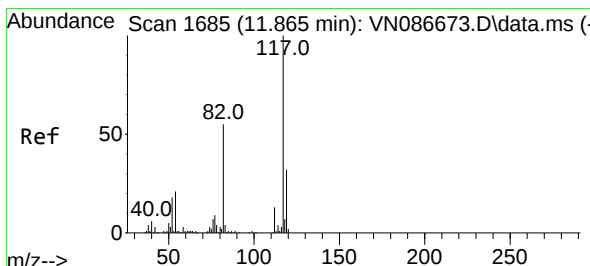
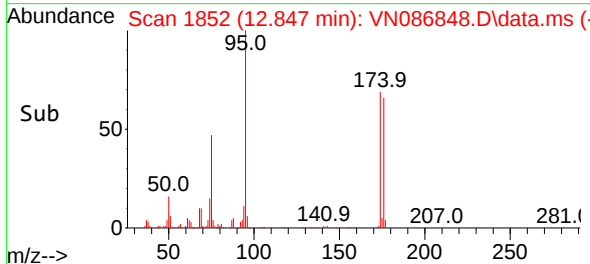
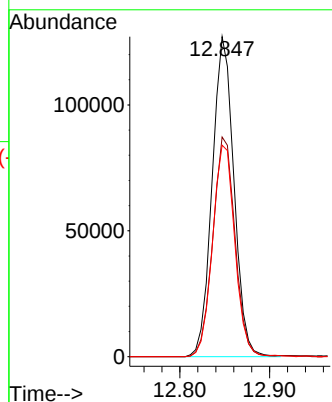
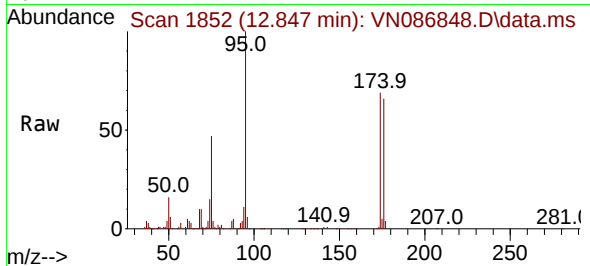




#62
4-Bromofluorobenzene
Concen: 55.108 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086848.D
Acq: 03 Jun 2025 17:22

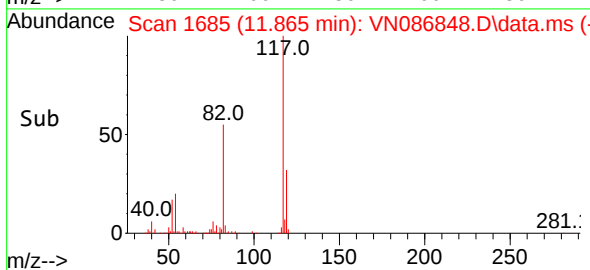
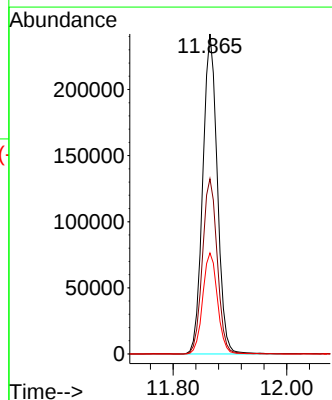
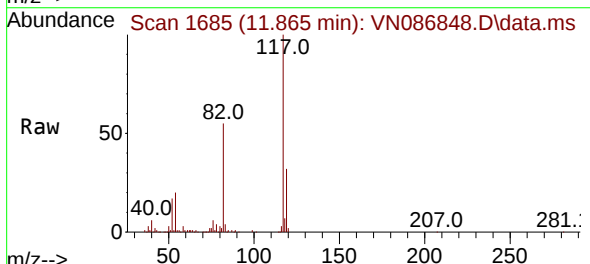
Instrument :
MSVOA_N
ClientSampleId :
PB168225ZHE#09

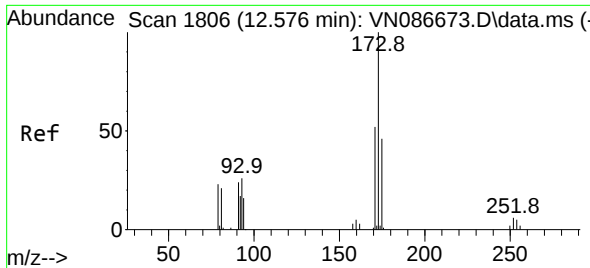
Tgt Ion: 95 Resp: 214053
Ion Ratio Lower Upper
95 100
174 70.0 0.0 145.4
176 67.9 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086848.D
Acq: 03 Jun 2025 17:22

Tgt Ion: 117 Resp: 428928
Ion Ratio Lower Upper
117 100
82 54.7 44.2 66.2
119 31.5 25.4 38.2

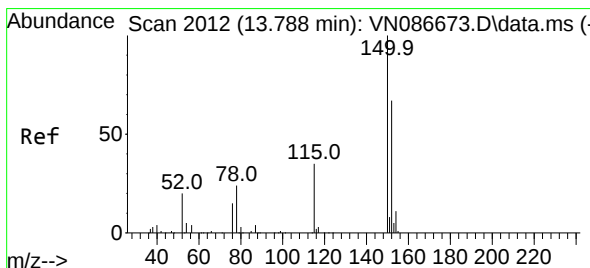
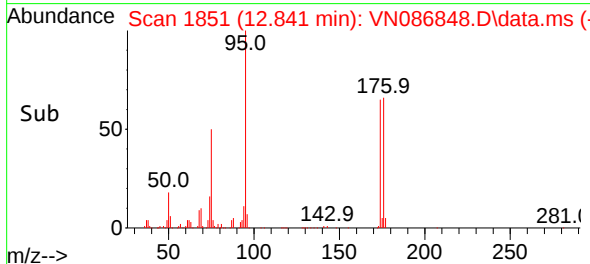
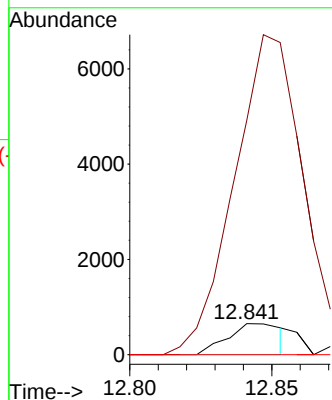
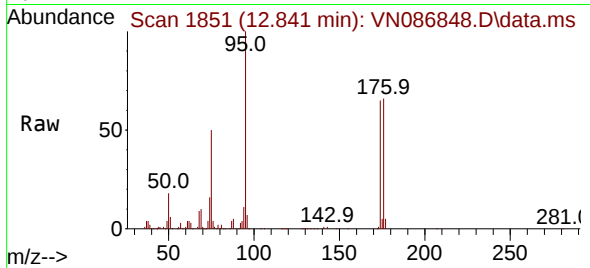




#71
Bromoform
Concen: 0.400 ug/l
RT: 12.841 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN086848.D
Acq: 03 Jun 2025 17:22

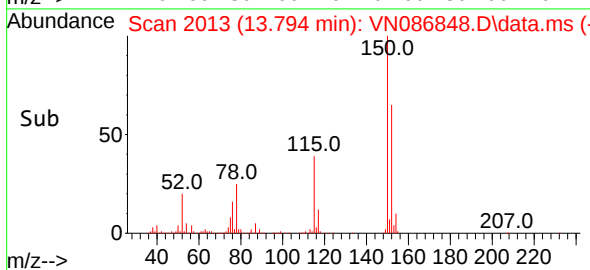
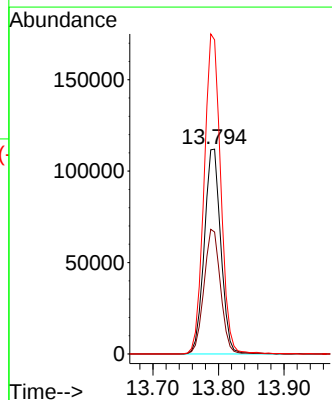
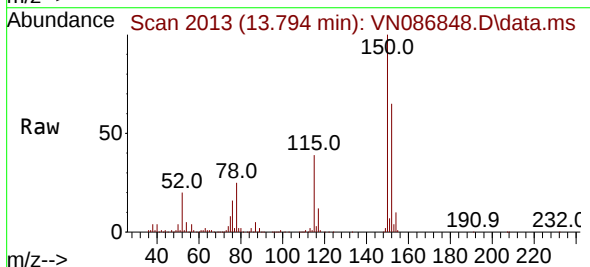
Instrument :
MSVOA_N
ClientSampleId :
PB168225ZHE#09

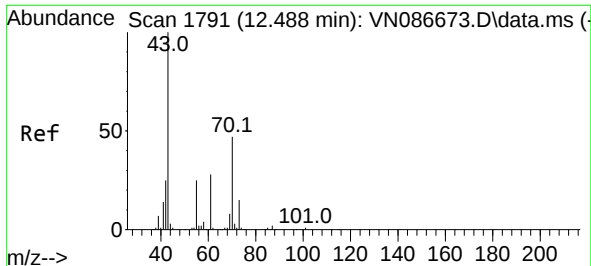
Tgt Ion:173 Resp: 863
Ion Ratio Lower Upper
173 100
175 970.7 23.4 70.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN086848.D
Acq: 03 Jun 2025 17:22

Tgt Ion:152 Resp: 196440
Ion Ratio Lower Upper
152 100
115 61.0 30.0 90.1
150 157.3 0.0 347.8

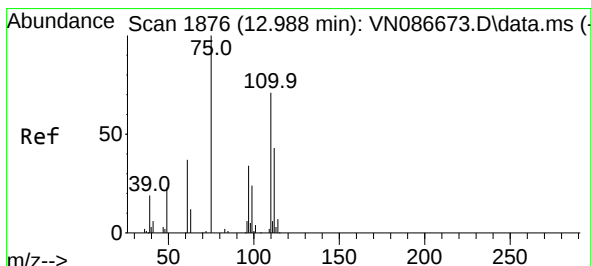
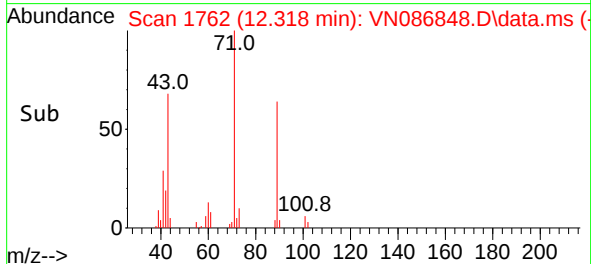
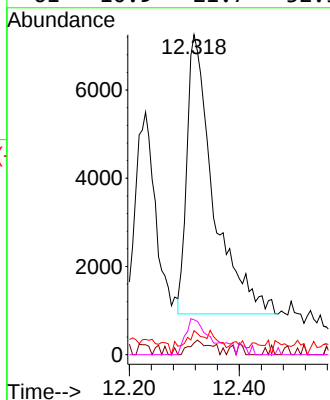
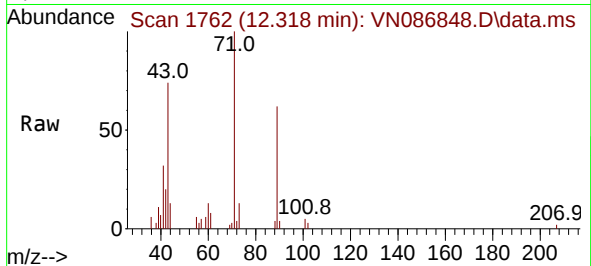




#74
N-amy1 acetate
Concen: 3.351 ug/l
RT: 12.318 min Scan# 11
Delta R.T. -0.171 min
Lab File: VN086848.D
Acq: 03 Jun 2025 17:22

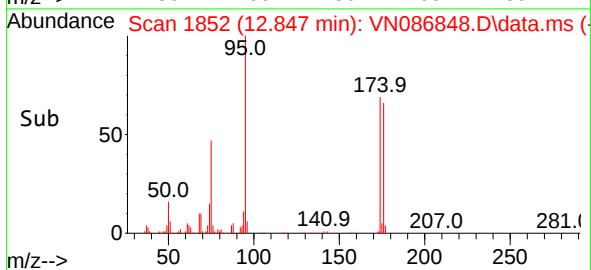
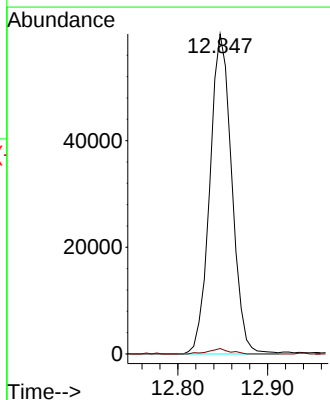
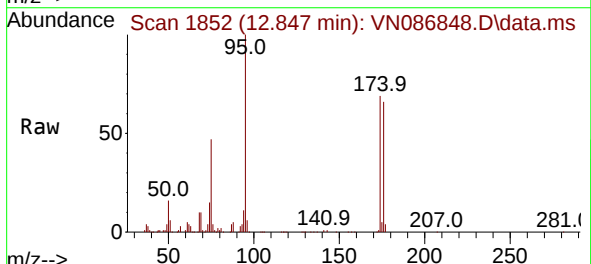
Instrument :
MSVOA_N
ClientSampleId :
PB168225ZHE#09

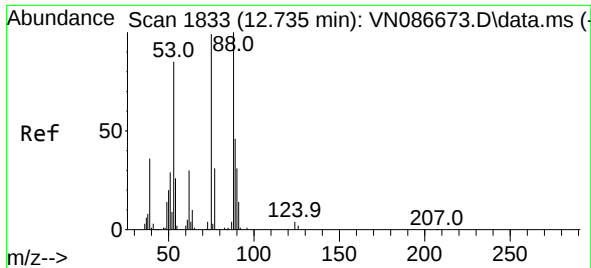
Tgt Ion: 43	Resp: 21244
Ion Ratio	Lower Upper
43	100
70	3.3 37.9 56.9#
55	6.4 20.5 30.7#
61	10.9 21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 22.920 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086848.D
Acq: 03 Jun 2025 17:22

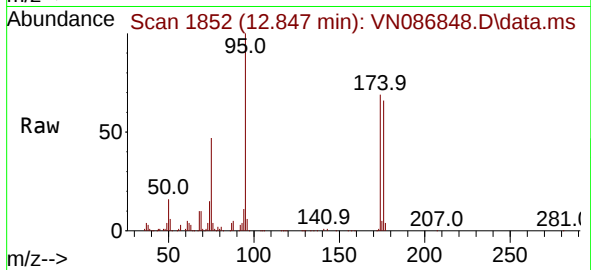
Tgt Ion: 75	Resp: 101827
Ion Ratio	Lower Upper
75	100
77	1.6 96.0 288.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.843 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086848.D
 Acq: 03 Jun 2025 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168225ZHE#09



Tgt Ion: 75 Resp: 101827
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.4 105.6#
 89 0.1 32.4 48.6#

