

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051925\
 Data File : VN086683.D
 Acq On : 19 May 2025 12:38
 Operator : JC\MD
 Sample : PB168034TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168034TB

Quant Time: May 20 03:17:07 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	8.224	168	176695	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	336908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	330839	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126906	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	123384	50.534	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.060%
35) Dibromofluoromethane	8.165	113	101650	50.662	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.320%
50) Toluene-d8	10.565	98	440560	52.985	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.980%
62) 4-Bromofluorobenzene	12.847	95	151480	51.596	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.200%
Target Compounds						
						Qvalue
3) Chloromethane	2.365	50	1577	0.546	ug/l	89
5) Bromomethane	2.983	94	852	0.570	ug/l	96
10) Methyl Iodide	4.612	142	988	0.428	ug/l #	86
11) Tert butyl alcohol	5.518	59	113	0.254	ug/l #	73
13) Acrolein	4.171	56	142	0.299	ug/l #	1
16) Acetone	4.430	43	27720	30.351	ug/l	98
17) Carbon Disulfide	4.724	76	1838	0.337	ug/l #	75
18) Methyl Acetate	5.024	43	3059	1.197	ug/l #	87
20) Methylene Chloride	5.283	84	4455	1.848	ug/l #	95
25) 2-Butanone	7.483	43	3169	2.245	ug/l #	72
29) Tetrahydrofuran	7.847	42	838	0.910	ug/l #	59
31) Cyclohexane	8.224	56	3613	0.986	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14566	4.922	ug/l #	47
37) Ethyl Acetate	7.571	43	697	0.233	ug/l #	67
38) Carbon Tetrachloride	8.224	117	17227	5.908	ug/l #	16
41) Methacrylonitrile	7.847	41	405	0.251	ug/l #	21
43) Isopropyl Acetate	8.688	43	28435	4.745	ug/l #	86
45) 1,2-Dichloropropane	9.735	63	1068	0.466	ug/l #	42
48) Methyl methacrylate	9.735	41	73713	31.740	ug/l #	36
51) 4-Methyl-2-Pentanone	10.471	43	7184	2.377	ug/l #	33
54) cis-1,3-Dichloropropene	10.353	75	38493	10.445	ug/l #	61
57) 1,3-Dichloropropane	11.200	76	3726	0.966	ug/l #	42
59) 2-Hexanone	11.200	43	63429	28.739	ug/l #	41
68) m/p-Xylenes	12.070	106	947	0.201	ug/l	84
74) N-amyl acetate	12.453	43	3002	0.733	ug/l #	40
76) 1,2,3-Trichloropropane	12.847	75	74242	25.867	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74242	65.281	ug/l #	15
82) 4-Chlorotoluene	13.217	91	1485	0.205	ug/l	92
87) 1,3-Dichlorobenzene	13.729	146	1053	0.247	ug/l	92
88) 1,4-Dichlorobenzene	13.729	146	1053	0.249	ug/l	92
89) n-Butylbenzene	14.059	91	2505	0.401	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	839	0.207	ug/l	92
93) 1,2,4-Trichlorobenzene	15.382	180	1373	0.801	ug/l	80
94) Hexachlorobutadiene	15.506	225	493	0.693	ug/l	70
95) Naphthalene	15.641	128	6707	1.127	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	1540	0.917	ug/l	94

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Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

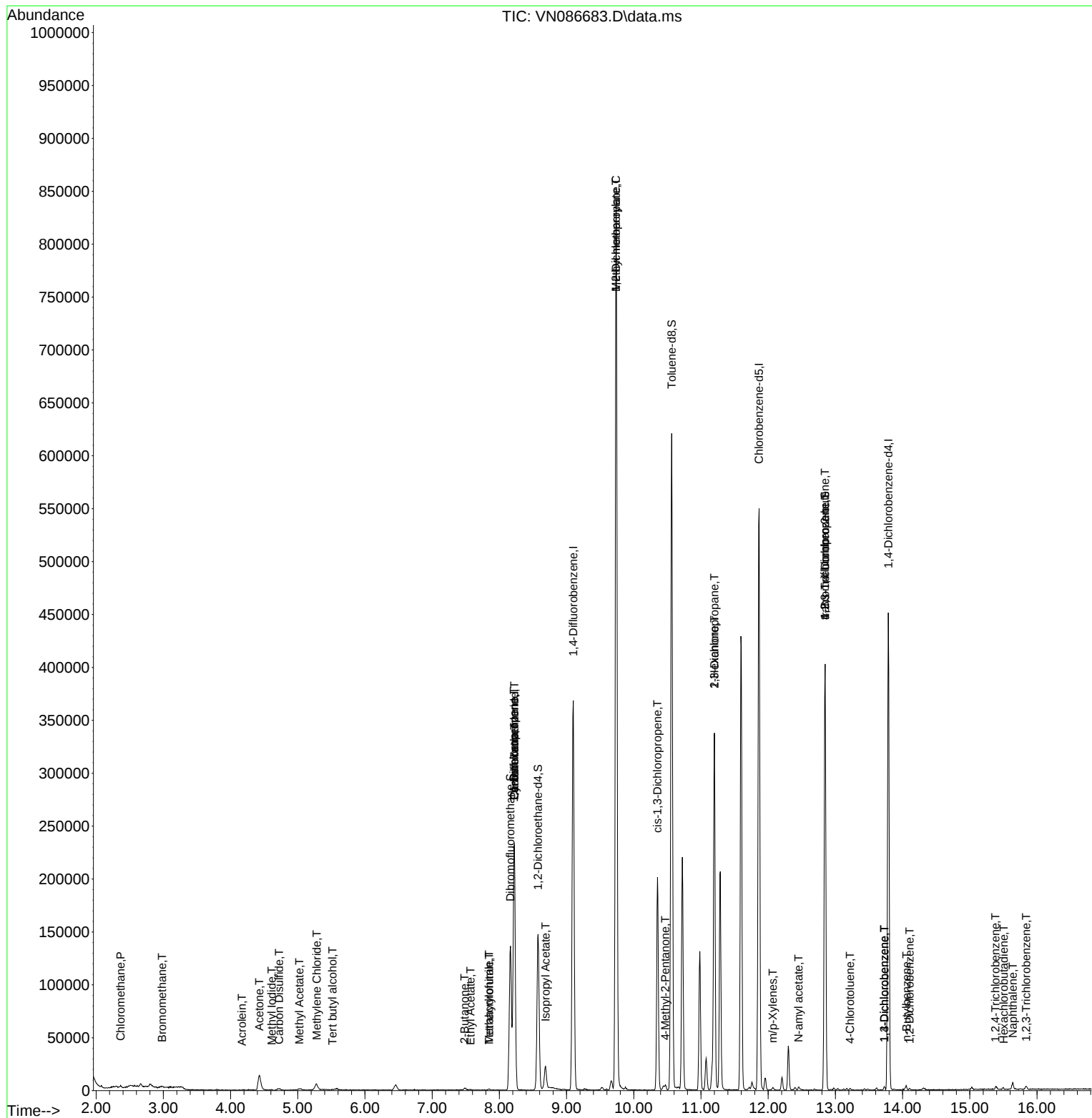
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

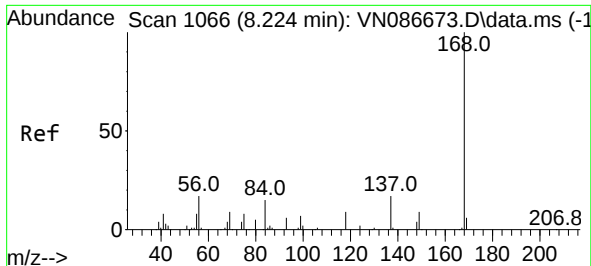
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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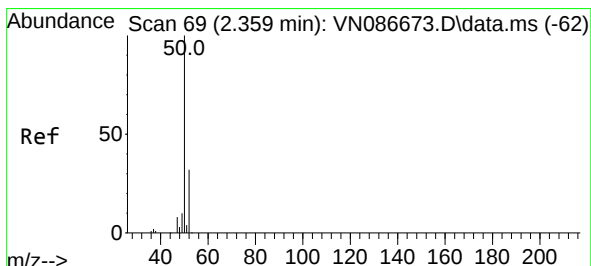
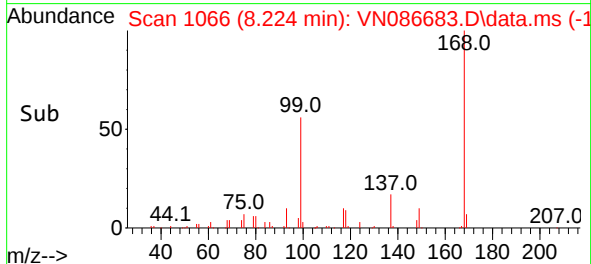
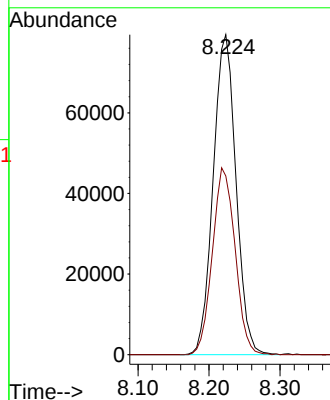
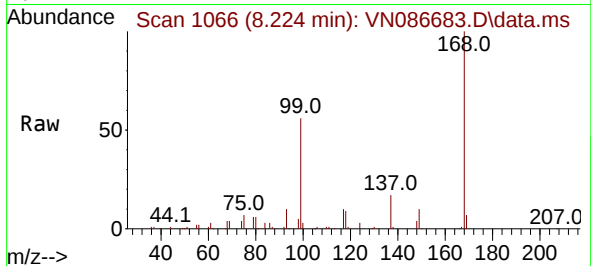




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086683.D
Acq: 19 May 2025 12:38

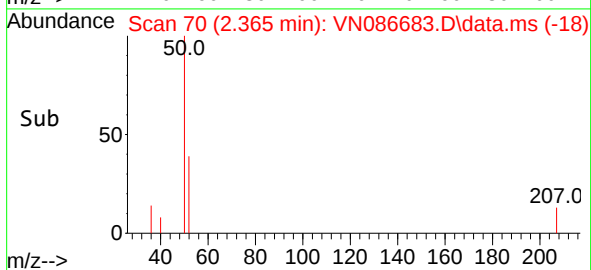
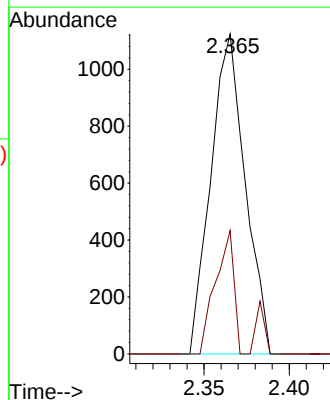
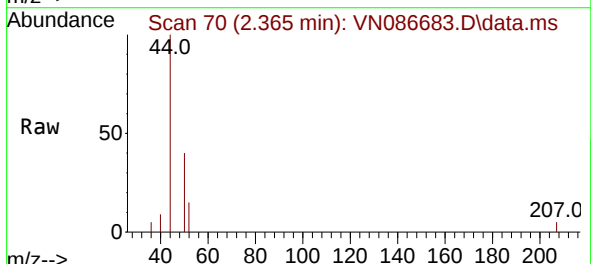
Instrument :
MSVOA_N
ClientSampleId :
PB168034TB

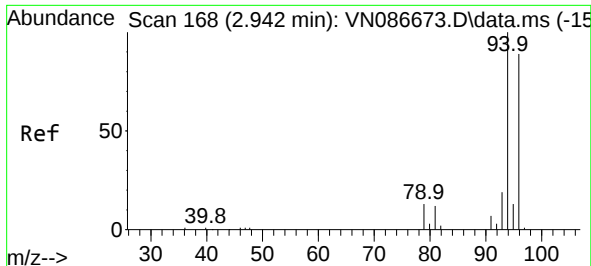
Tgt Ion:168 Resp: 176695
Ion Ratio Lower Upper
168 100
99 55.9 47.0 70.4



#3
Chloromethane
Concen: 0.546 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086683.D
Acq: 19 May 2025 12:38

Tgt Ion: 50 Resp: 1577
Ion Ratio Lower Upper
50 100
52 38.5 25.9 38.9

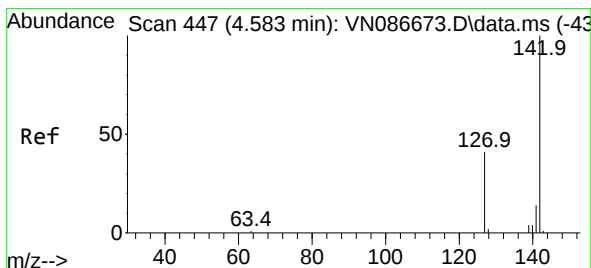
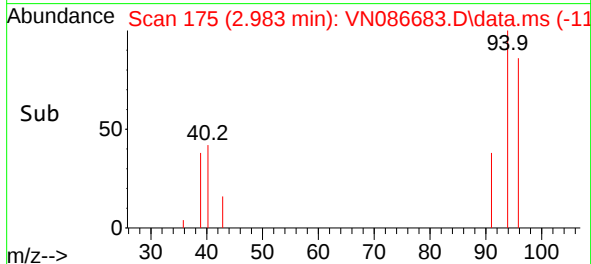
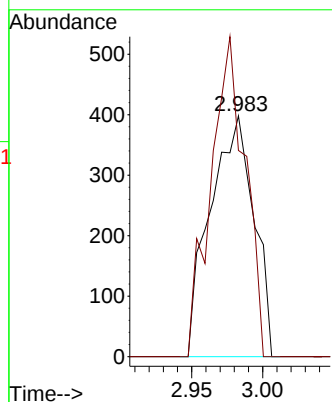
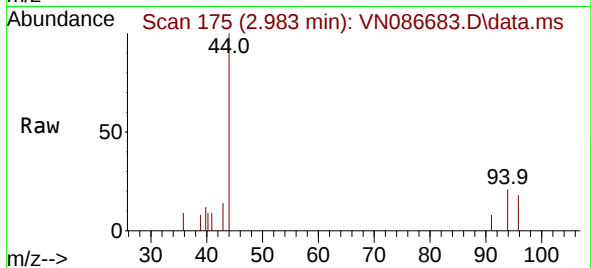




#5
Bromomethane
Concen: 0.570 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN086683.D
Acq: 19 May 2025 12:38

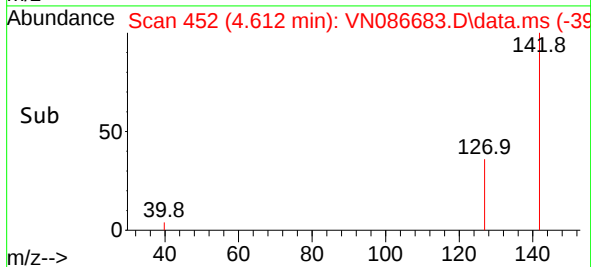
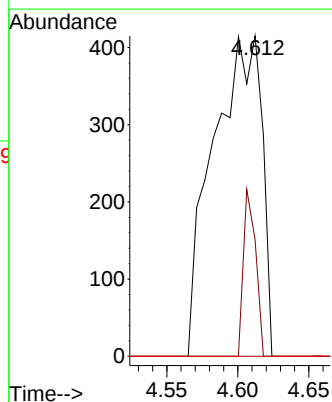
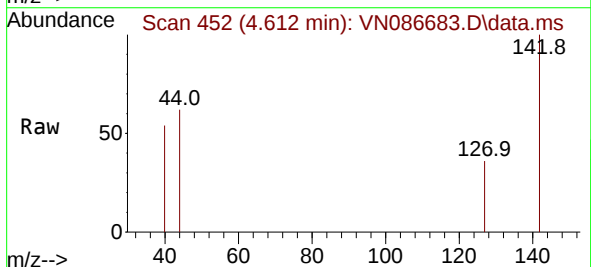
Instrument :
MSVOA_N
ClientSampleId :
PB168034TB

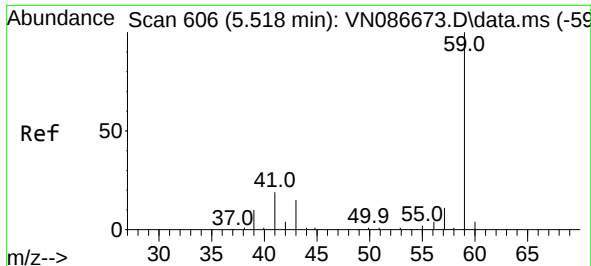
Tgt Ion: 94 Resp: 852
Ion Ratio Lower Upper
94 100
96 85.7 71.2 106.8



#10
Methyl Iodide
Concen: 0.428 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.029 min
Lab File: VN086683.D
Acq: 19 May 2025 12:38

Tgt Ion: 142 Resp: 988
Ion Ratio Lower Upper
142 100
127 36.4 32.4 48.6
141 0.0 11.4 17.2#

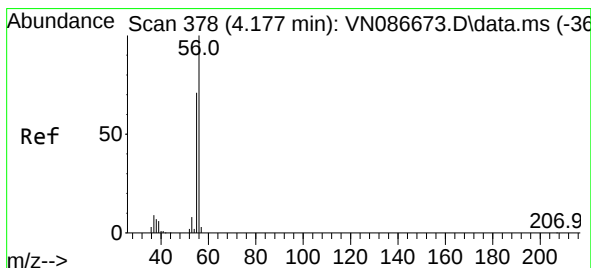
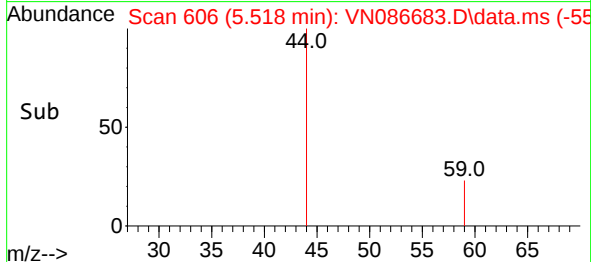
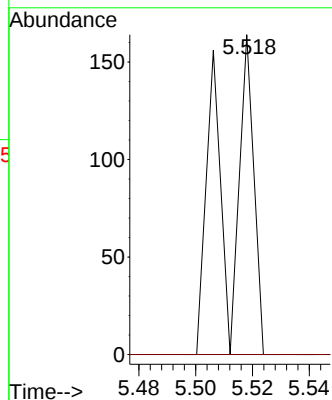
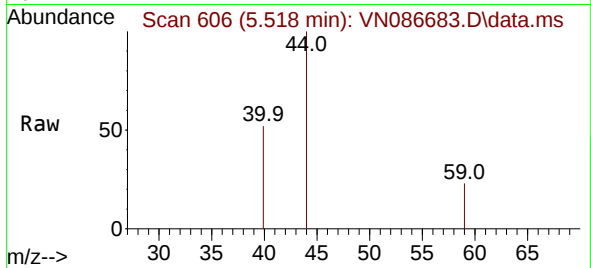




#11
Tert butyl alcohol
Concen: 0.254 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN086683.D
Acq: 19 May 2025 12:38

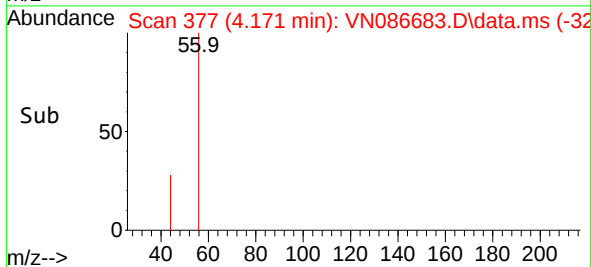
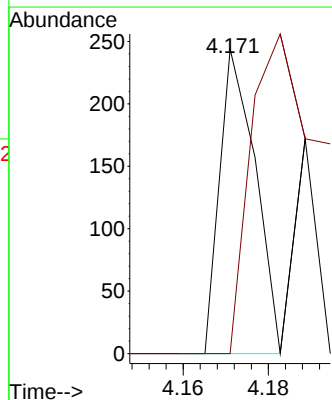
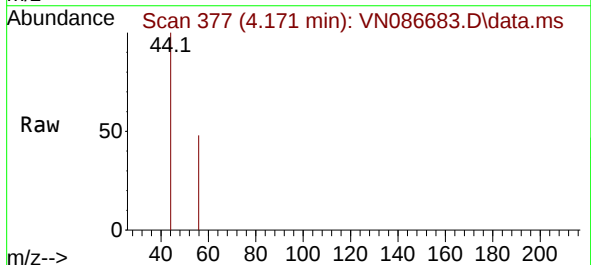
Instrument :
MSVOA_N
ClientSampleId :
PB168034TB

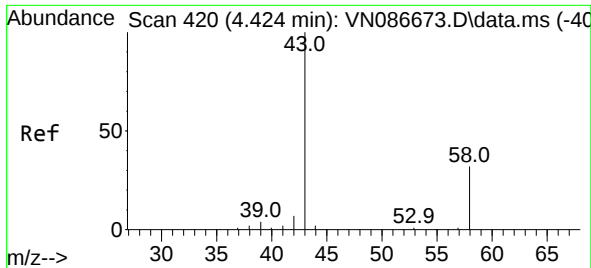
Tgt Ion: 59 Resp: 113
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 0.299 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN086683.D
Acq: 19 May 2025 12:38

Tgt Ion: 56 Resp: 142
Ion Ratio Lower Upper
56 100
55 199.3 55.7 83.5#





#16

Acetone

Concen: 30.351 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN086683.D

Acq: 19 May 2025 12:38

Instrument :

MSVOA_N

ClientSampleId :

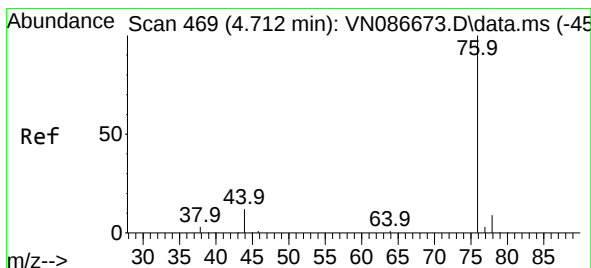
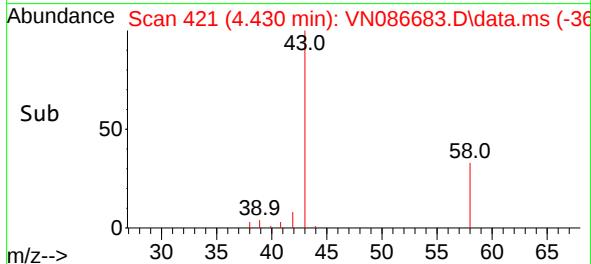
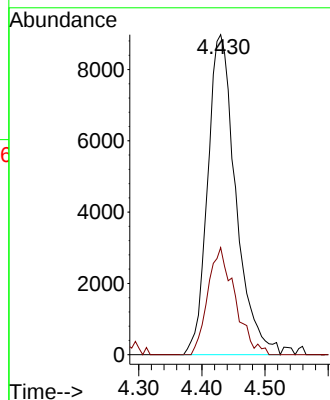
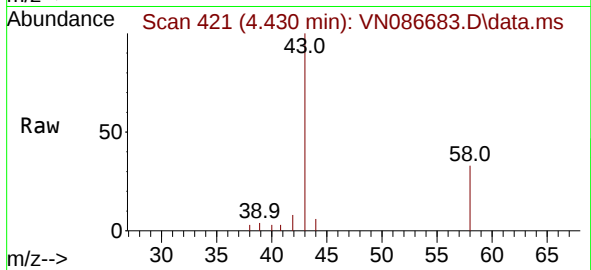
PB168034TB

Tgt Ion: 43 Resp: 27720

Ion Ratio Lower Upper

43 100

58 33.5 25.8 38.6



#17

Carbon Disulfide

Concen: 0.337 ug/l

RT: 4.724 min Scan# 471

Delta R.T. 0.012 min

Lab File: VN086683.D

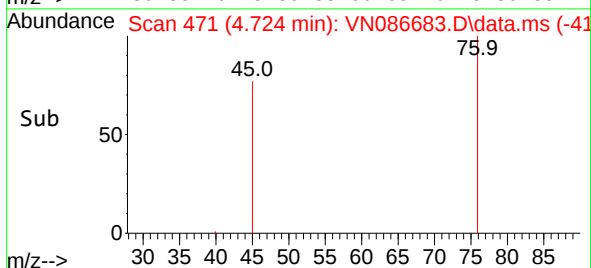
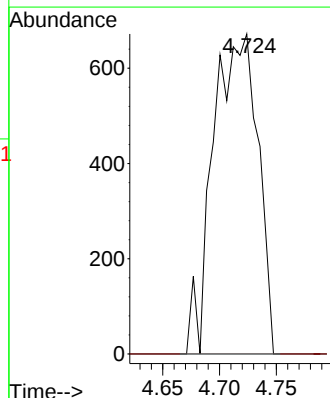
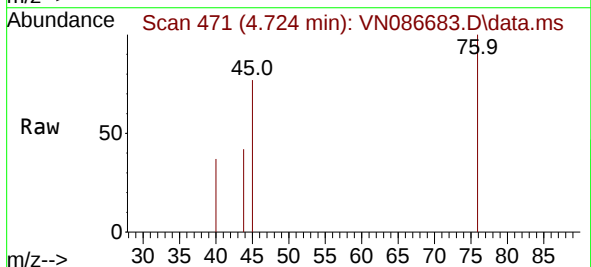
Acq: 19 May 2025 12:38

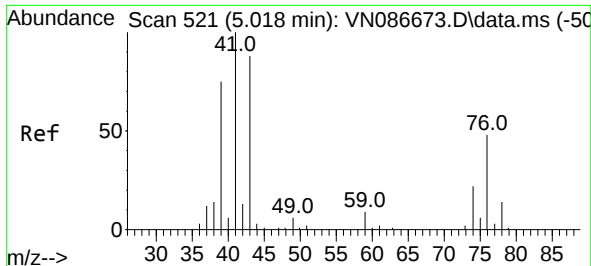
Tgt Ion: 76 Resp: 1838

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#





#18

Methyl Acetate

Concen: 1.197 ug/l

RT: 5.024 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN086683.D

Acq: 19 May 2025 12:38

Instrument :

MSVOA_N

ClientSampleId :

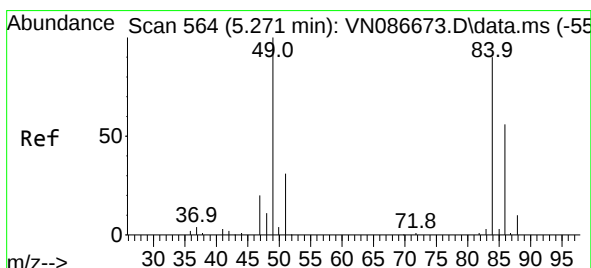
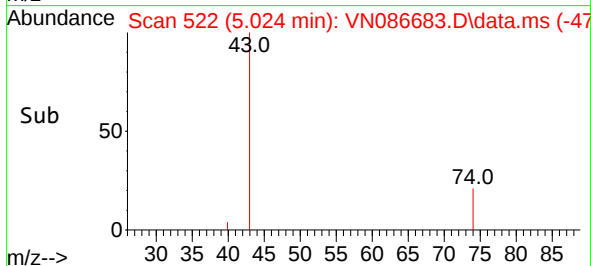
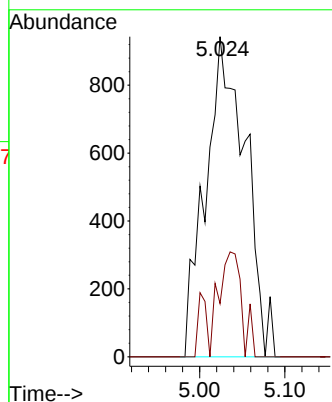
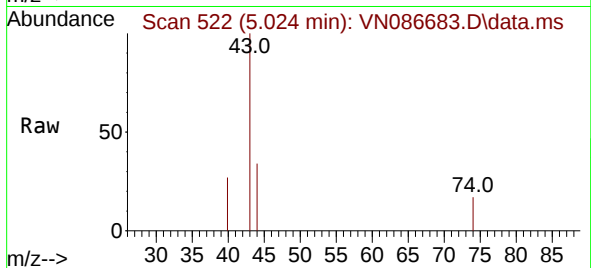
PB168034TB

Tgt Ion: 43 Resp: 3059

Ion Ratio Lower Upper

43 100

74 18.9 20.5 30.7#



#20

Methylene Chloride

Concen: 1.848 ug/l

RT: 5.283 min Scan# 566

Delta R.T. 0.012 min

Lab File: VN086683.D

Acq: 19 May 2025 12:38

Tgt Ion: 84 Resp: 4455

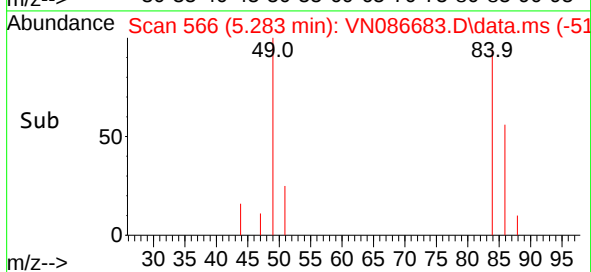
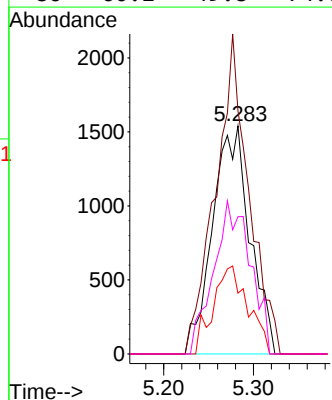
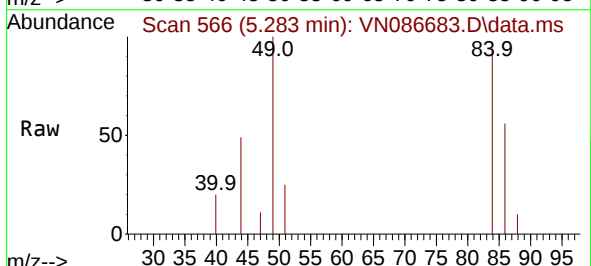
Ion Ratio Lower Upper

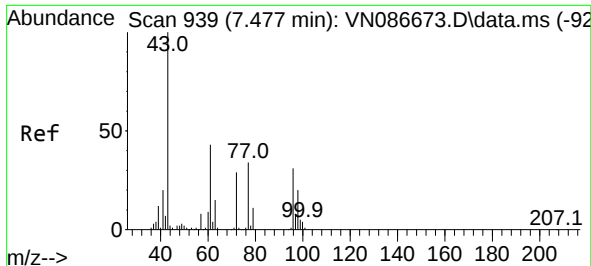
84 100

49 106.7 88.8 133.2

51 26.7 27.8 41.6#

86 60.2 49.8 74.6

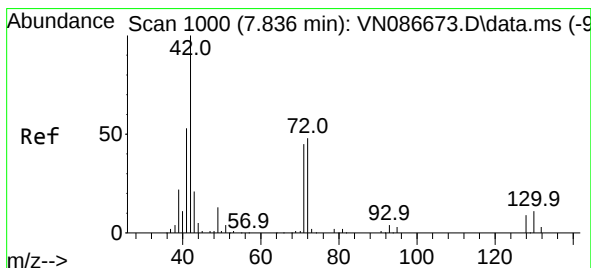
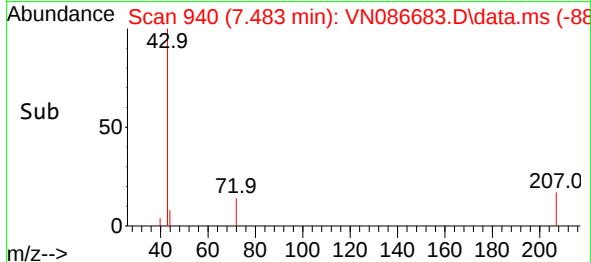
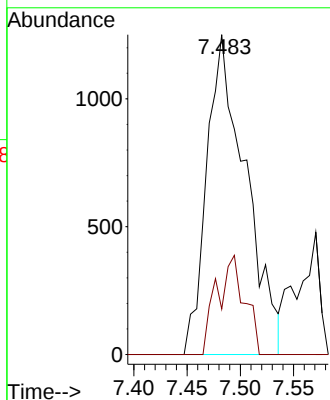
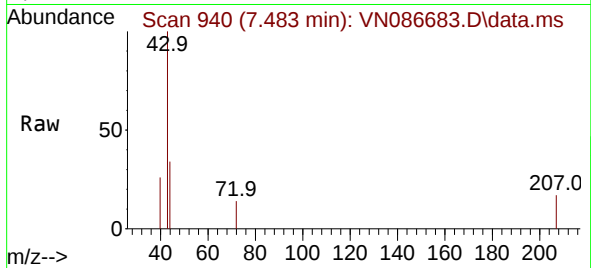




#25
2-Butanone
Concen: 2.245 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086683.D
Acq: 19 May 2025 12:38

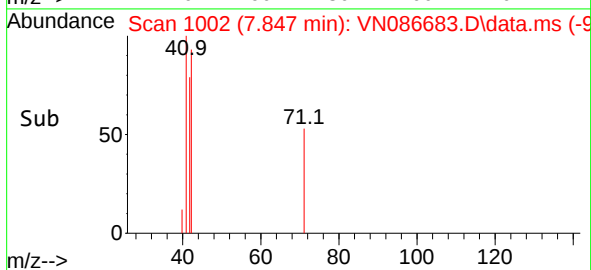
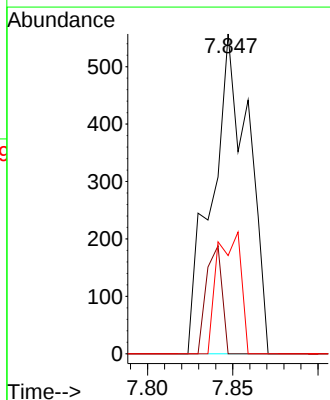
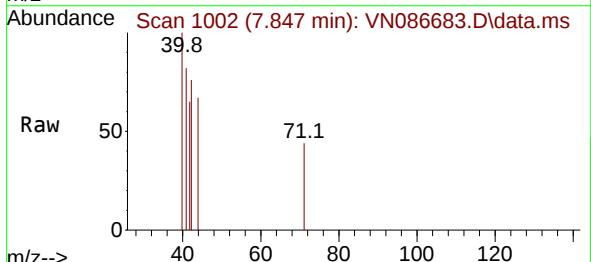
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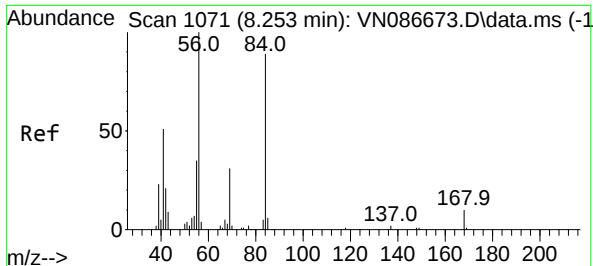
Tgt Ion: 43 Resp: 3169
Ion Ratio Lower Upper
43 100
72 14.2 23.1 34.7#



#29
Tetrahydrofuran
Concen: 0.910 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN086683.D
Acq: 19 May 2025 12:38

Tgt Ion: 42 Resp: 838
Ion Ratio Lower Upper
42 100
72 14.3 38.7 58.1#
71 24.3 36.2 54.4#

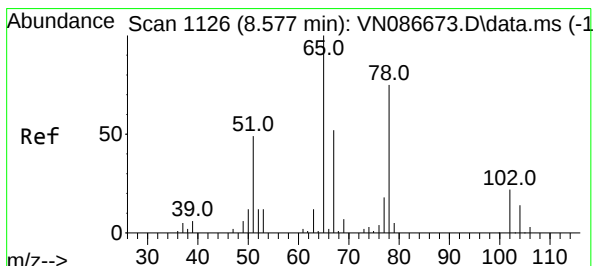
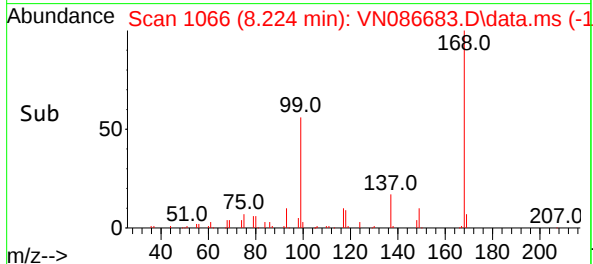
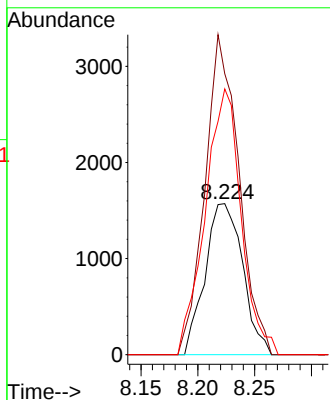
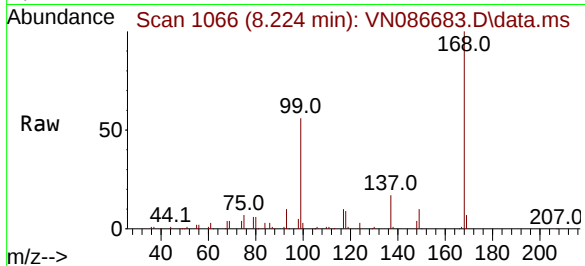




#31
Cyclohexane
Concen: 0.986 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086683.D
Acq: 19 May 2025 12:38

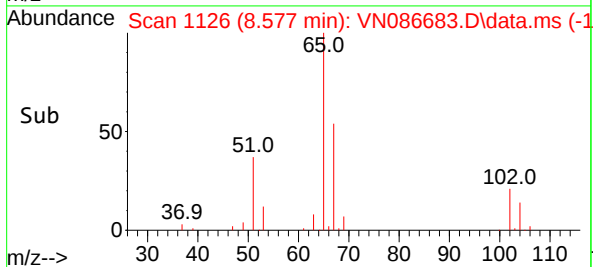
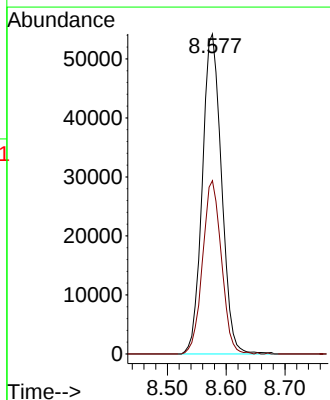
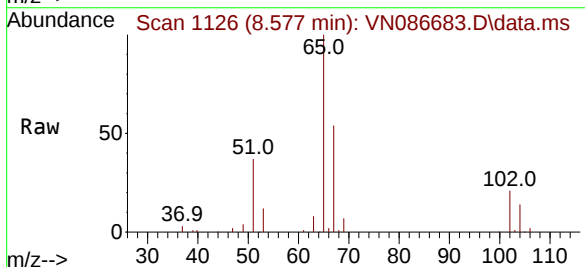
Instrument :
MSVOA_N
ClientSampleId :
PB168034TB

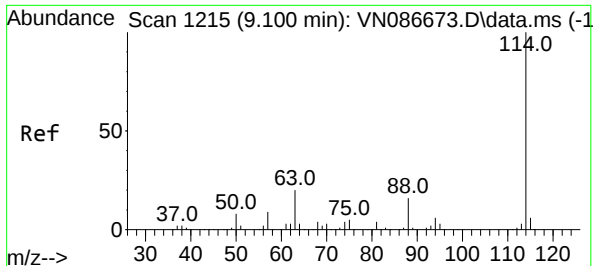
Tgt Ion: 56 Resp: 3613
Ion Ratio Lower Upper
56 100
69 185.9 25.0 37.6#
84 176.0 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 50.534 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086683.D
Acq: 19 May 2025 12:38

Tgt Ion: 65 Resp: 123384
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086683.D

Acq: 19 May 2025 12:38

Instrument :

MSVOA_N

ClientSampleId :

PB168034TB

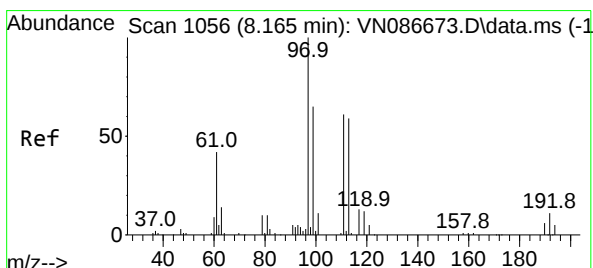
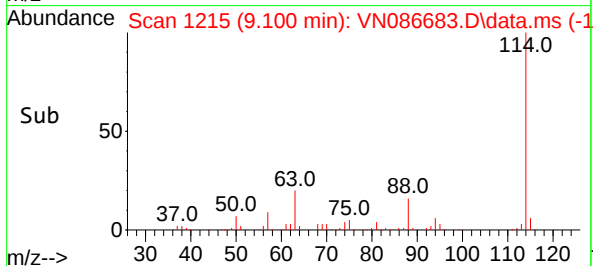
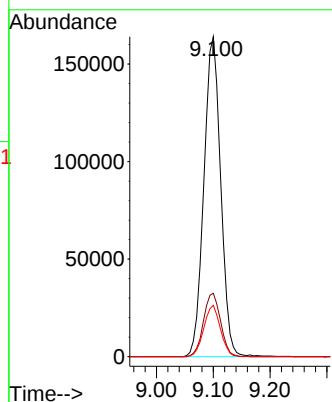
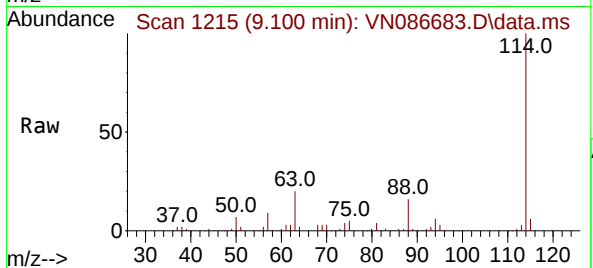
Tgt Ion:114 Resp: 336908

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.2

88 16.1 0.0 31.2



#35

Dibromofluoromethane

Concen: 50.662 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086683.D

Acq: 19 May 2025 12:38

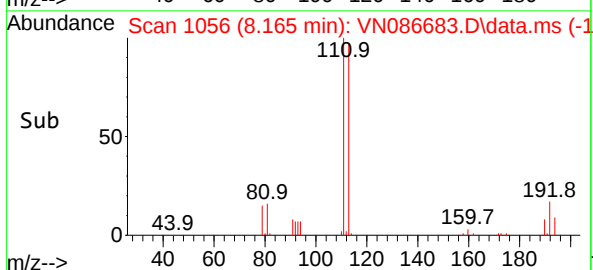
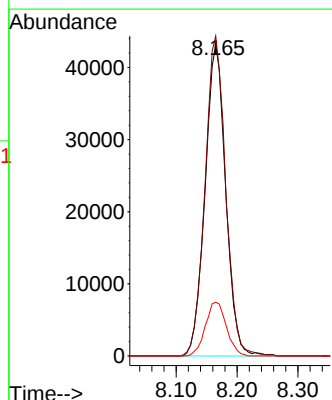
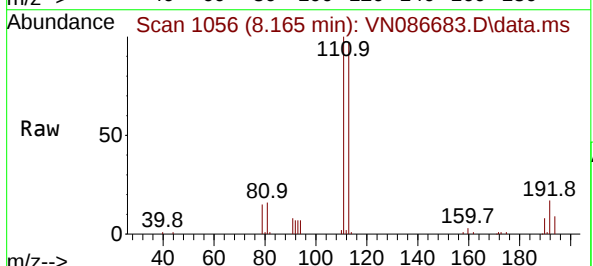
Tgt Ion:113 Resp: 101650

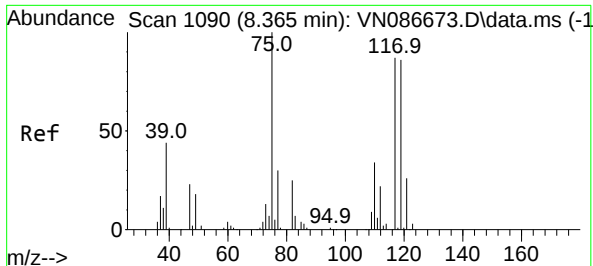
Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.2

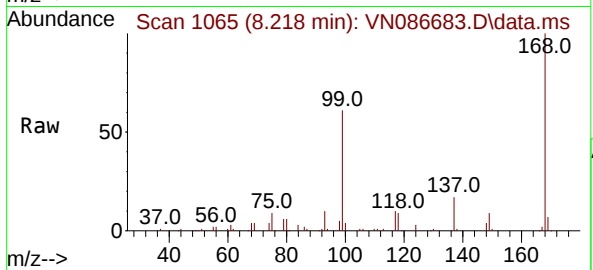
192 17.6 13.8 20.8



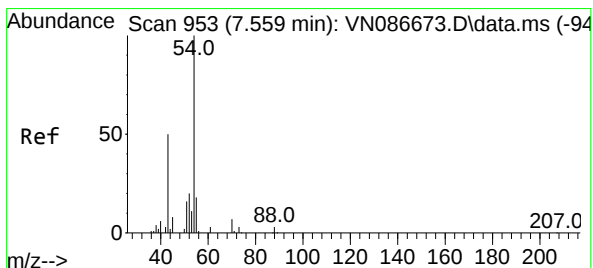
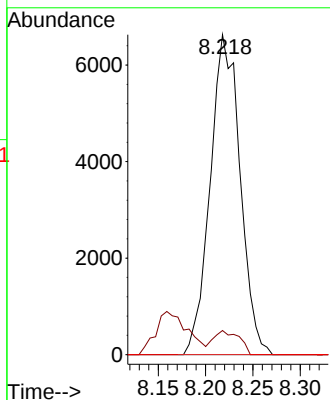
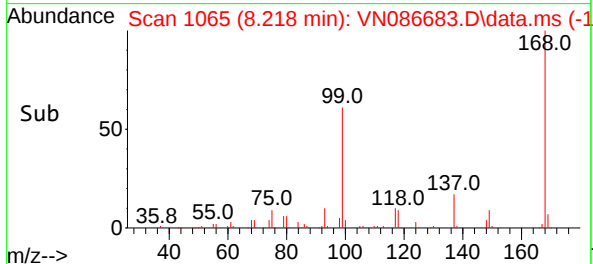


#36
1,1-Dichloropropene
Concen: 4.922 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN086683.D
Acq: 19 May 2025 12:38

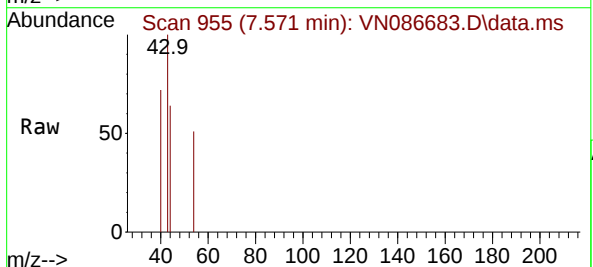
Instrument :
MSVOA_N
ClientSampleId :
PB168034TB



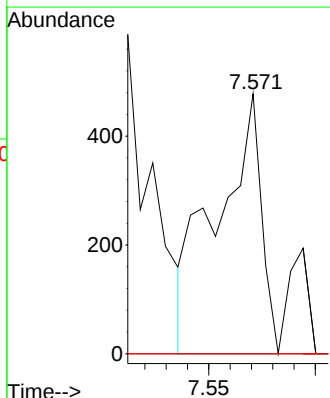
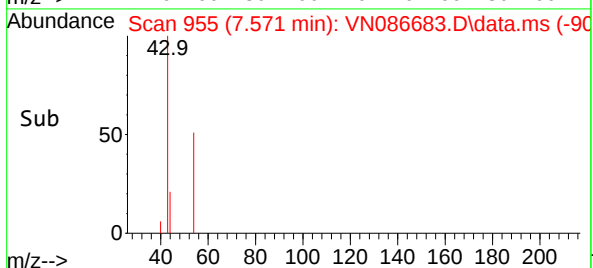
Tgt Ion: 75 Resp: 14566
Ion Ratio Lower Upper
75 100
110 6.4 17.5 52.5#
77 0.0 25.1 37.7#

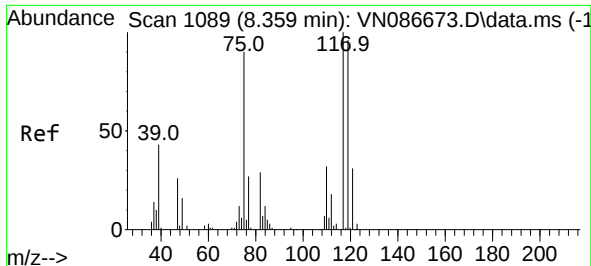


#37
Ethyl Acetate
Concen: 0.233 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.012 min
Lab File: VN086683.D
Acq: 19 May 2025 12:38



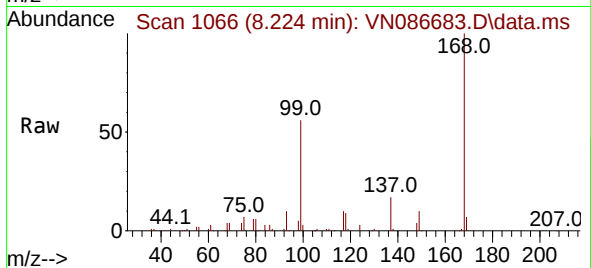
Tgt Ion: 43 Resp: 697
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 9.4 14.0#



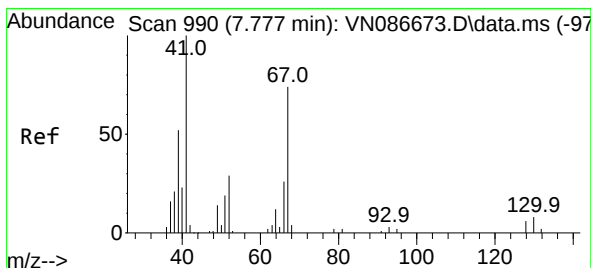
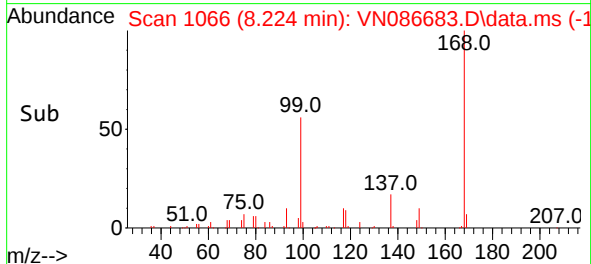
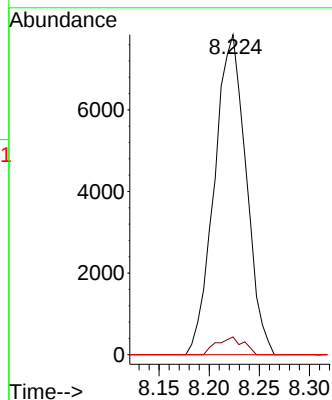


#38
Carbon Tetrachloride
Concen: 5.908 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN086683.D
Acq: 19 May 2025 12:38

Instrument :
MSVOA_N
ClientSampleId :
PB168034TB

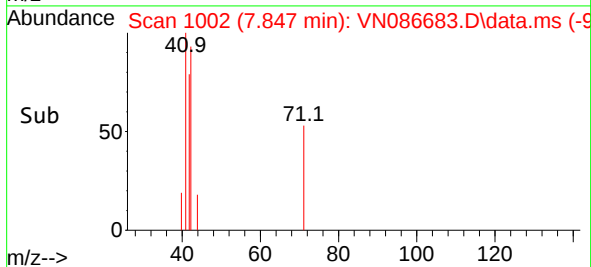
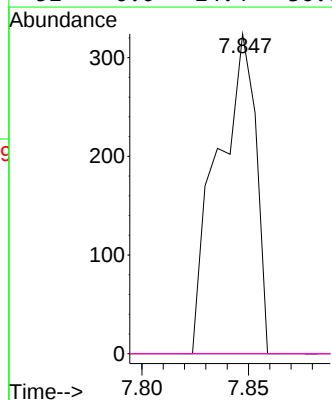
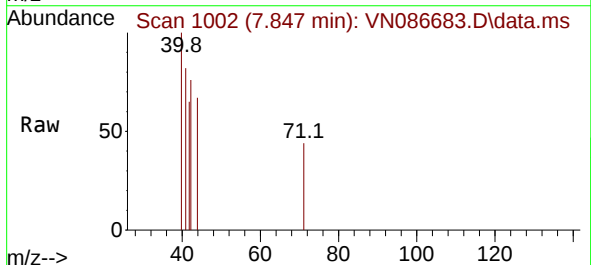


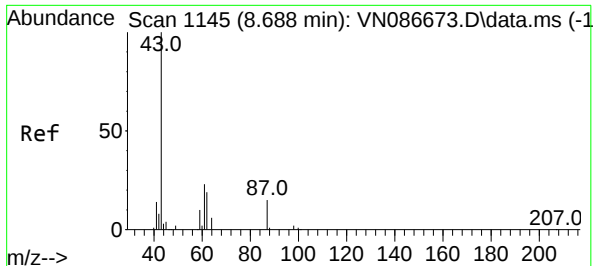
Tgt Ion: 117 Resp: 17227
Ion Ratio Lower Upper
117 100
119 5.5 77.0 115.6#
121 0.0 25.0 37.6#



#41
Methacrylonitrile
Concen: 0.251 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.070 min
Lab File: VN086683.D
Acq: 19 May 2025 12:38

Tgt Ion: 41 Resp: 405
Ion Ratio Lower Upper
41 100
39 0.0 44.9 67.3#
67 0.0 63.4 95.0#
52 0.0 24.4 36.6#

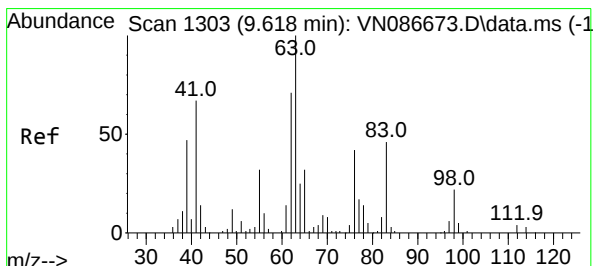
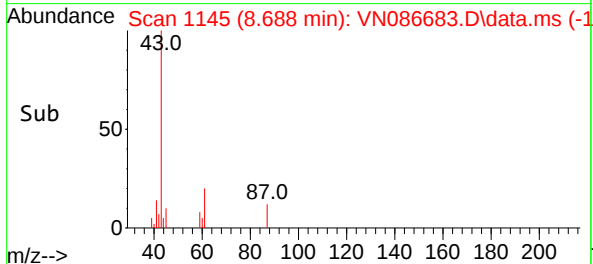
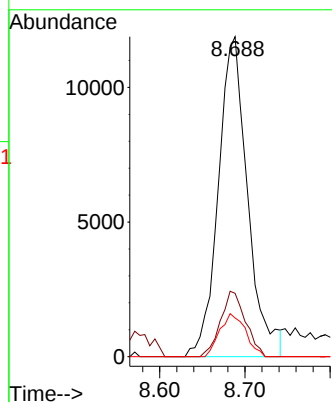
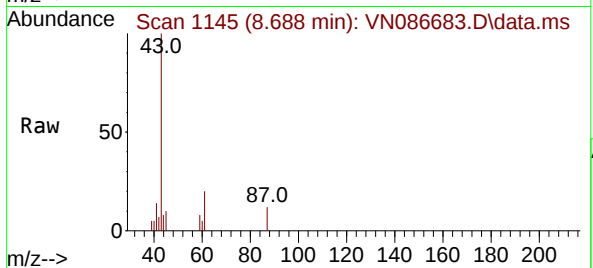




#43
Isopropyl Acetate
Concen: 4.745 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN086683.D
Acq: 19 May 2025 12:38

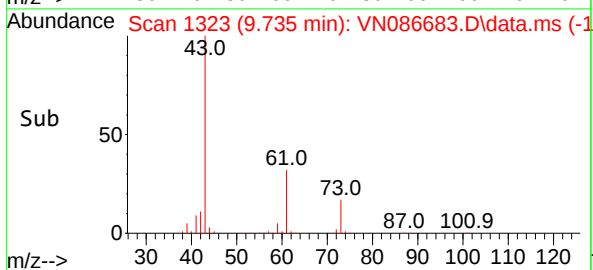
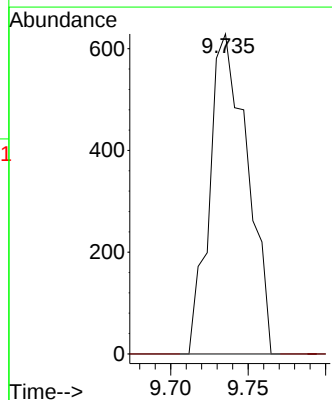
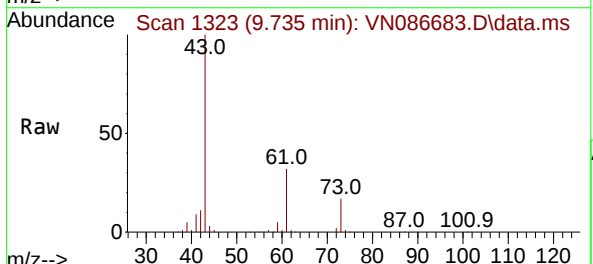
Instrument :
MSVOA_N
ClientSampleId :
PB168034TB

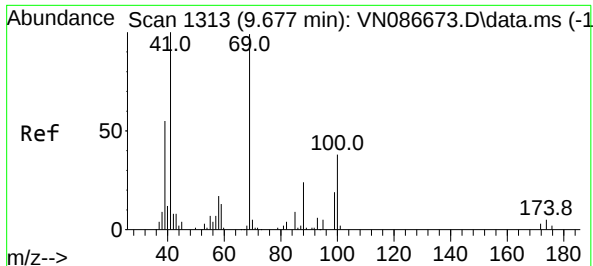
Tgt Ion: 43 Resp: 28435
Ion Ratio Lower Upper
43 100
61 17.4 21.4 32.2#
87 11.8 11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.466 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN086683.D
Acq: 19 May 2025 12:38

Tgt Ion: 63 Resp: 1068
Ion Ratio Lower Upper
63 100
65 0.0 25.8 38.6#

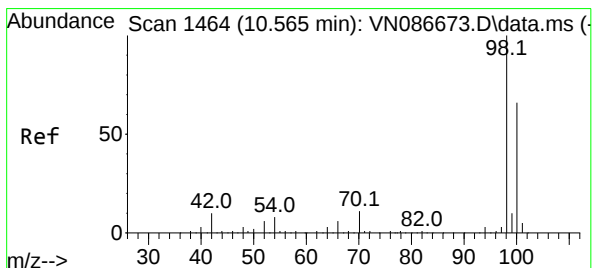
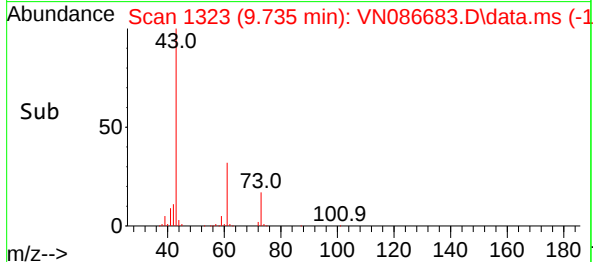
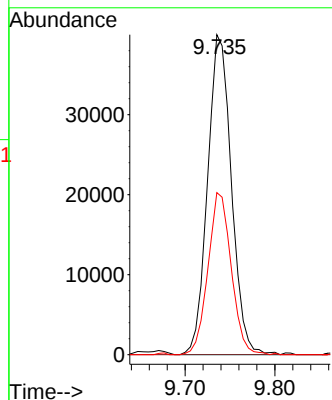
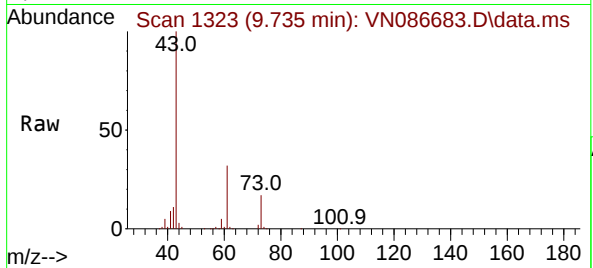




#48
Methyl methacrylate
Concen: 31.740 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN086683.D
Acq: 19 May 2025 12:38

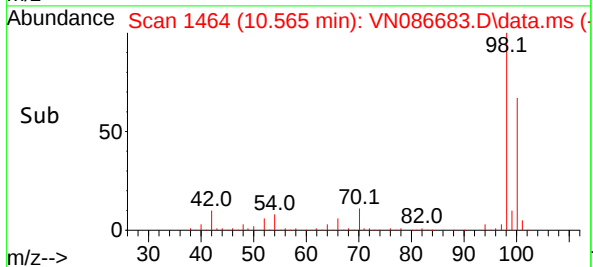
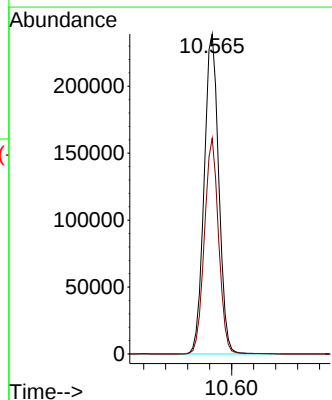
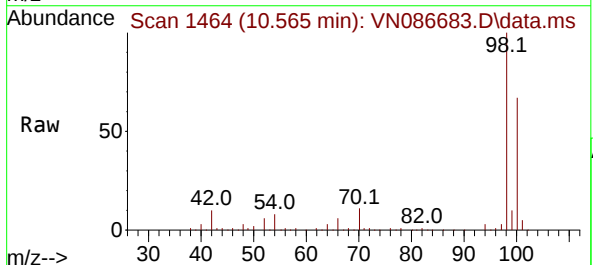
Instrument :
MSVOA_N
ClientSampleId :
PB168034TB

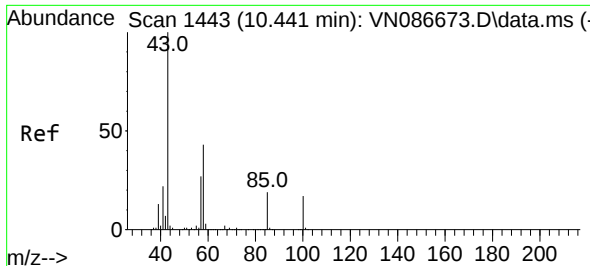
Tgt Ion: 41 Resp: 73713
Ion Ratio Lower Upper
41 100
69 0.0 74.1 111.1#
39 49.6 44.1 66.1



#50
Toluene-d8
Concen: 52.985 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086683.D
Acq: 19 May 2025 12:38

Tgt Ion: 98 Resp: 440560
Ion Ratio Lower Upper
98 100
100 65.5 52.9 79.3

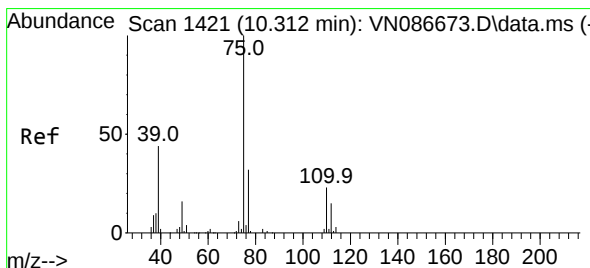
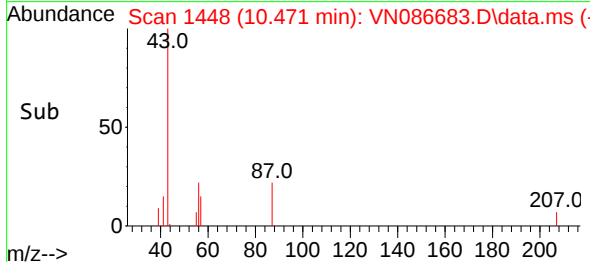
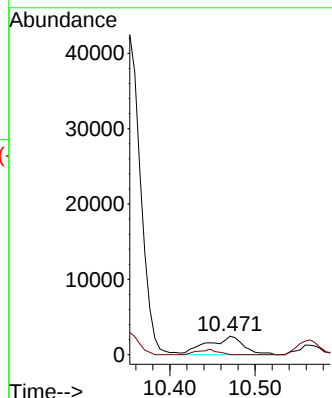
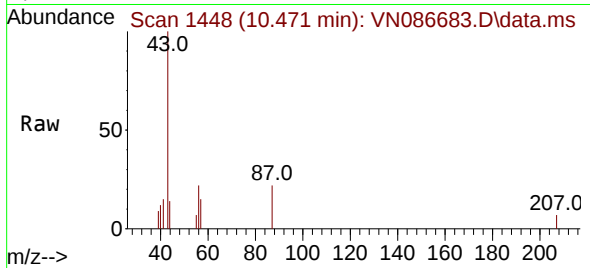




#51
4-Methyl-2-Pentanone
Concen: 2.377 ug/l
RT: 10.471 min Scan# 1448
Delta R.T. 0.029 min
Lab File: VN086683.D
Acq: 19 May 2025 12:38

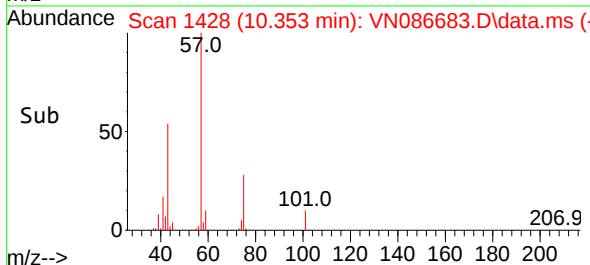
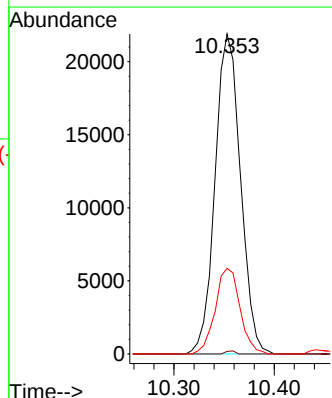
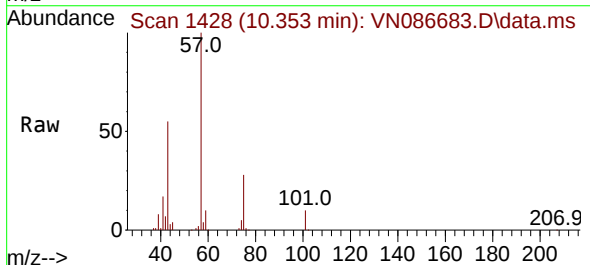
Instrument :
MSVOA_N
ClientSampleId :
PB168034TB

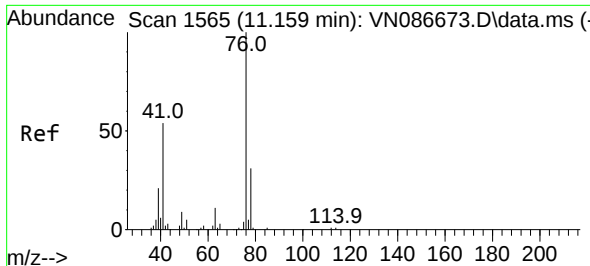
Tgt Ion: 43 Resp: 7184
Ion Ratio Lower Upper
43 100
58 0.0 33.9 50.9#



#54
cis-1,3-Dichloropropene
Concen: 10.445 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN086683.D
Acq: 19 May 2025 12:38

Tgt Ion: 75 Resp: 38493
Ion Ratio Lower Upper
75 100
77 0.8 25.3 37.9#
39 26.7 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 0.966 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN086683.D

Acq: 19 May 2025 12:38

Instrument :

MSVOA_N

ClientSampleId :

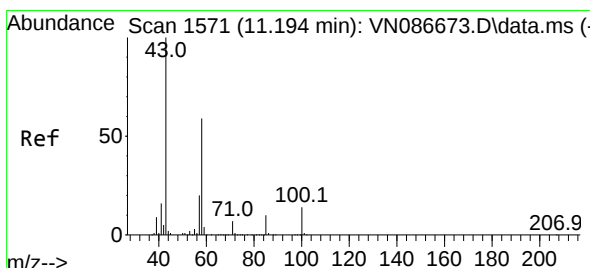
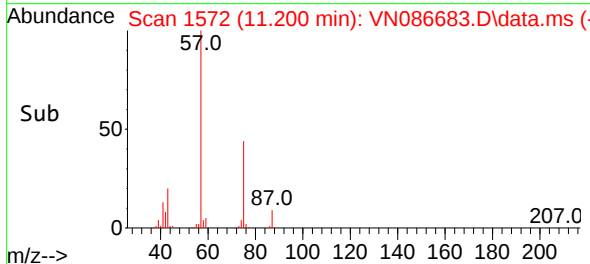
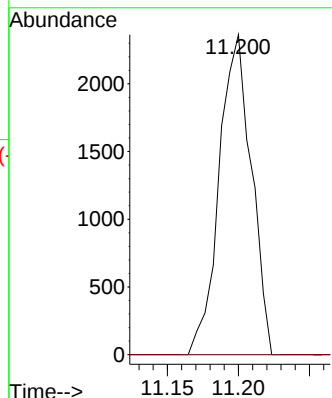
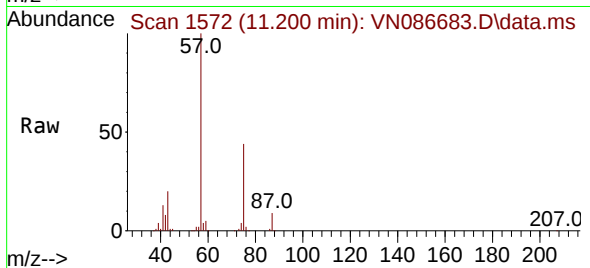
PB168034TB

Tgt Ion: 76 Resp: 3726

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 28.739 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086683.D

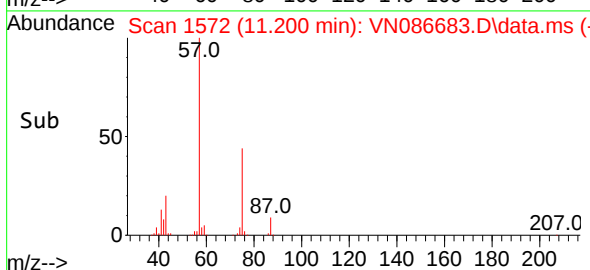
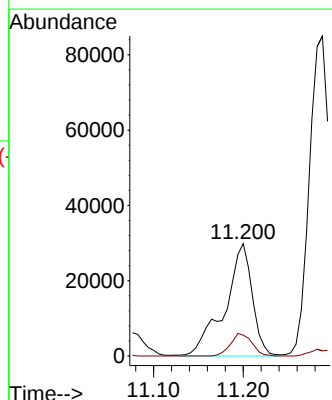
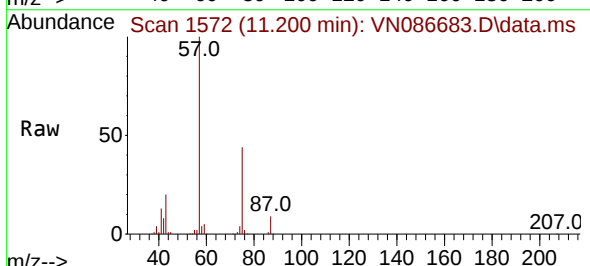
Acq: 19 May 2025 12:38

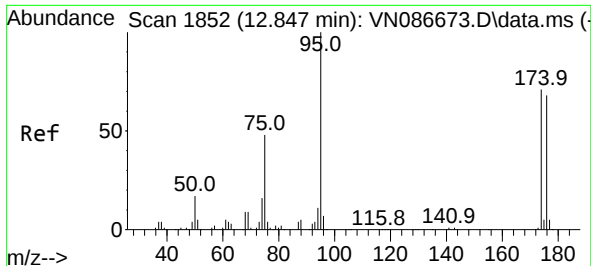
Tgt Ion: 43 Resp: 63429

Ion Ratio Lower Upper

43 100

58 15.5 29.8 89.5#

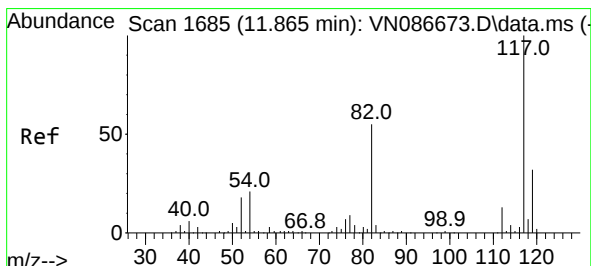
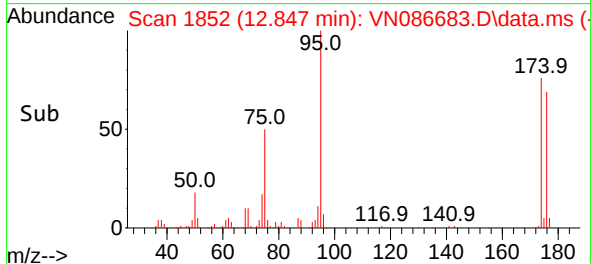
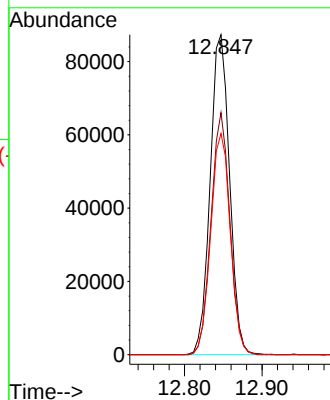
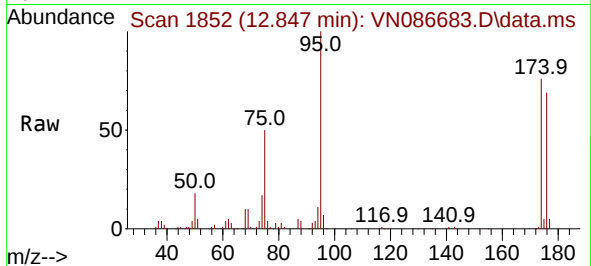




#62
4-Bromofluorobenzene
Concen: 51.596 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086683.D
Acq: 19 May 2025 12:38

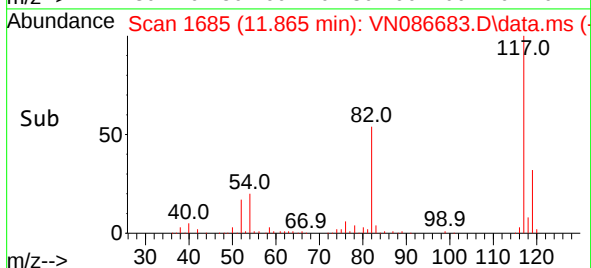
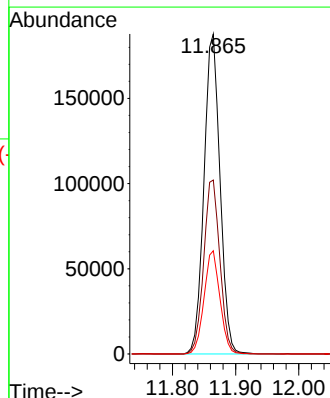
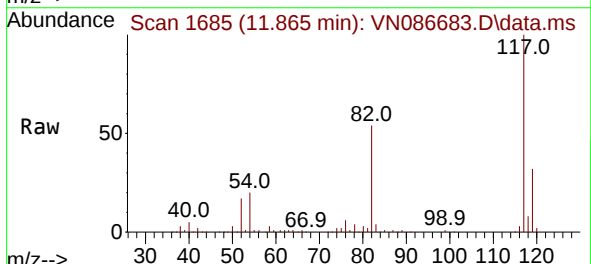
Instrument :
MSVOA_N
ClientSampleId :
PB168034TB

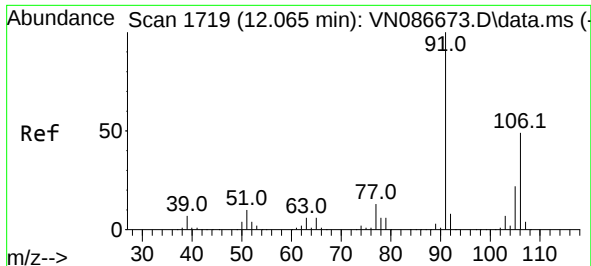
Tgt Ion: 95 Resp: 151480
Ion Ratio Lower Upper
95 100
174 73.7 0.0 145.4
176 70.0 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086683.D
Acq: 19 May 2025 12:38

Tgt Ion: 117 Resp: 330839
Ion Ratio Lower Upper
117 100
82 54.4 44.2 66.2
119 32.2 25.4 38.2

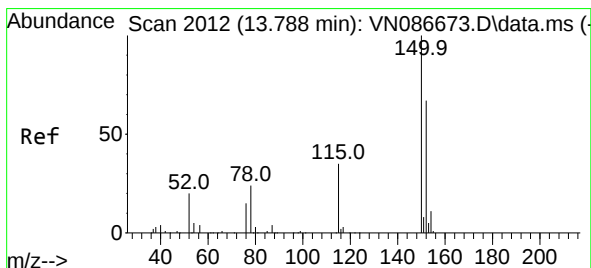
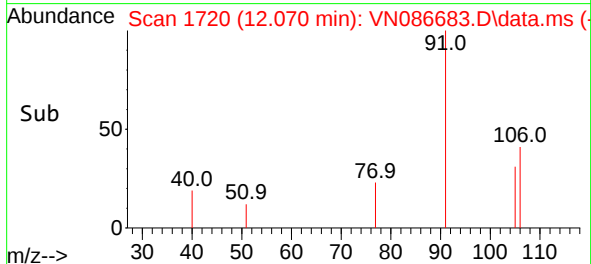
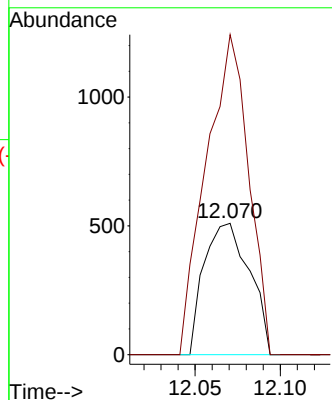
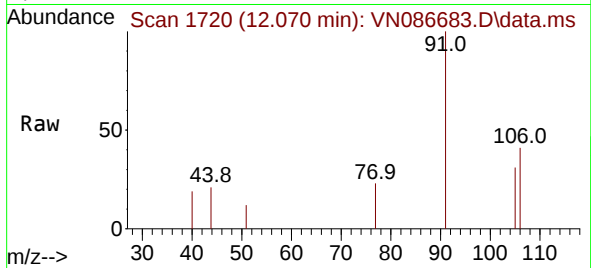




#68
m/p-Xylenes
Concen: 0.201 ug/l
RT: 12.070 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086683.D
Acq: 19 May 2025 12:38

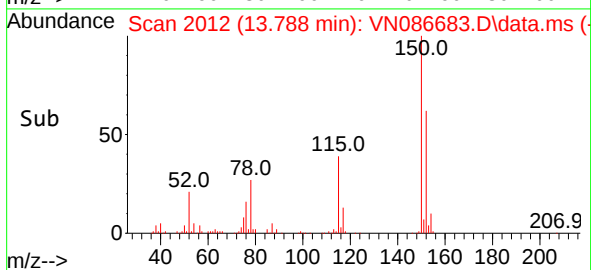
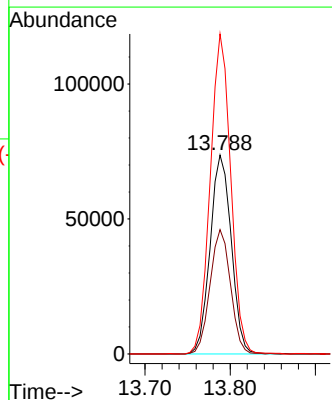
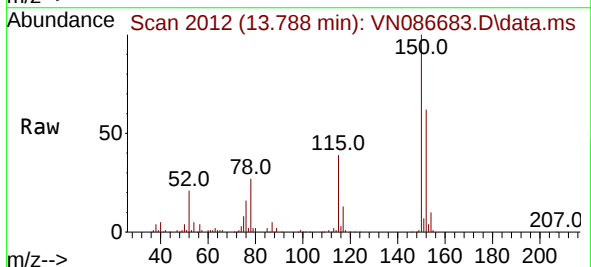
Instrument :
MSVOA_N
ClientSampleId :
PB168034TB

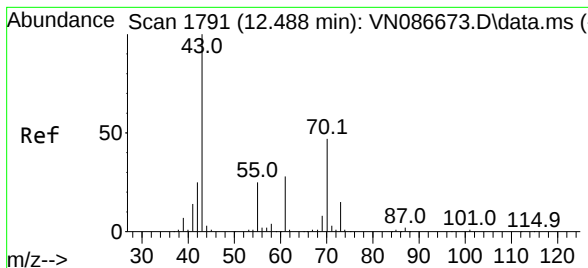
Tgt Ion:106 Resp: 947
Ion Ratio Lower Upper
106 100
91 227.6 162.4 243.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086683.D
Acq: 19 May 2025 12:38

Tgt Ion:152 Resp: 126906
Ion Ratio Lower Upper
152 100
115 60.5 30.0 90.1
150 156.1 0.0 347.8





#74

N-amy1 acetate

Concen: 0.733 ug/l

RT: 12.453 min Scan# 1

Delta R.T. -0.035 min

Lab File: VN086683.D

Acq: 19 May 2025 12:38

Instrument :

MSVOA_N

ClientSampleId :

PB168034TB

Tgt Ion: 43 Resp: 3002

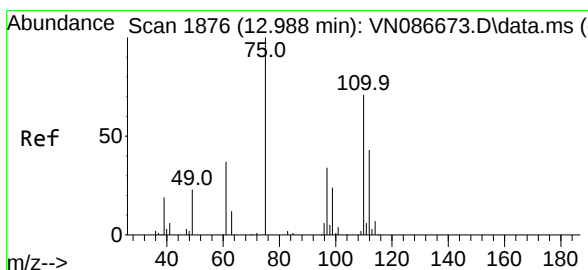
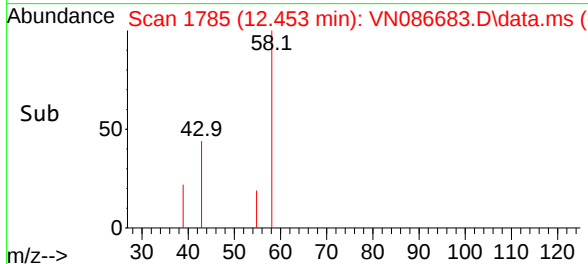
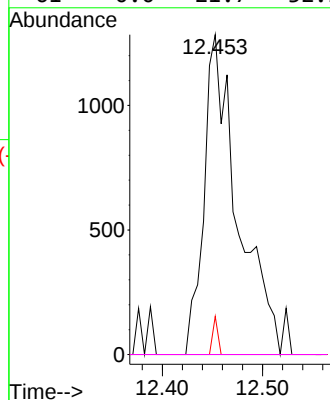
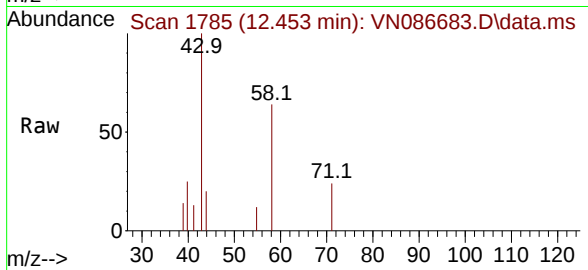
Ion Ratio Lower Upper

43 100

70 0.0 37.9 56.9#

55 1.8 20.5 30.7#

61 0.0 21.7 32.5#



#76

1,2,3-Trichloropropane

Concen: 25.867 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN086683.D

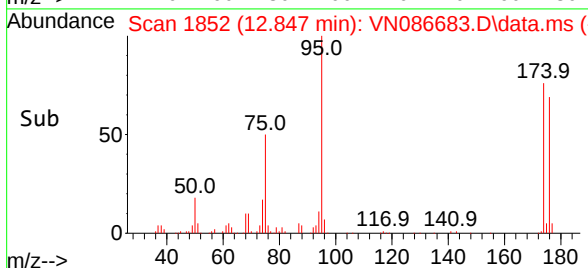
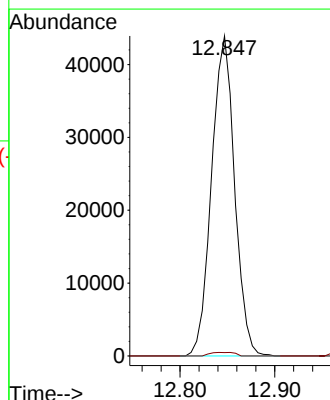
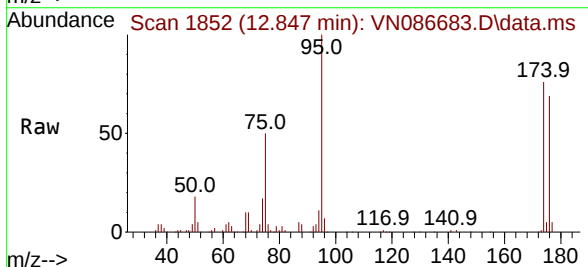
Acq: 19 May 2025 12:38

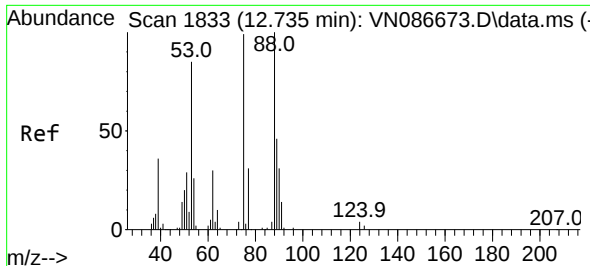
Tgt Ion: 75 Resp: 74242

Ion Ratio Lower Upper

75 100

77 1.2 96.0 288.1#

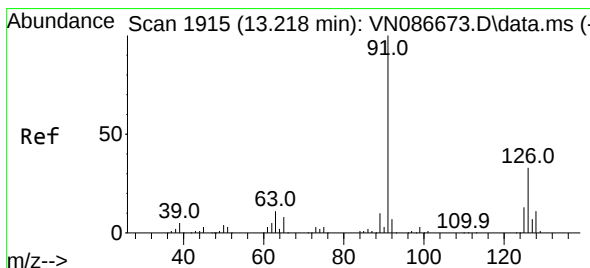
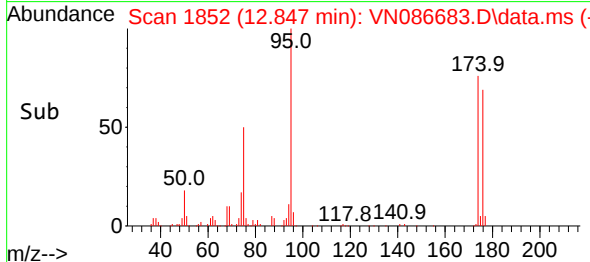
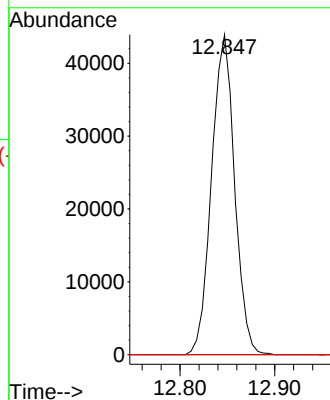
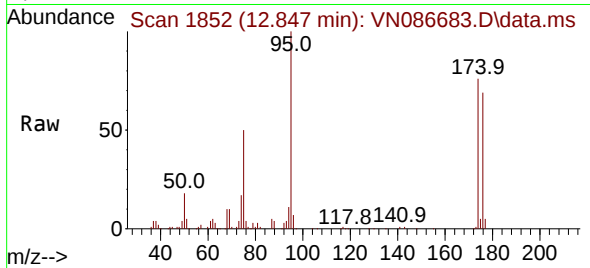




#81
trans-1,4-Dichloro-2-butene
Concen: 65.281 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086683.D
Acq: 19 May 2025 12:38

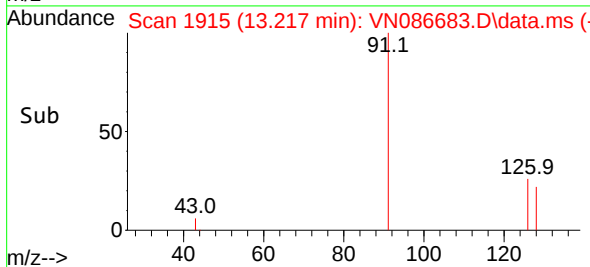
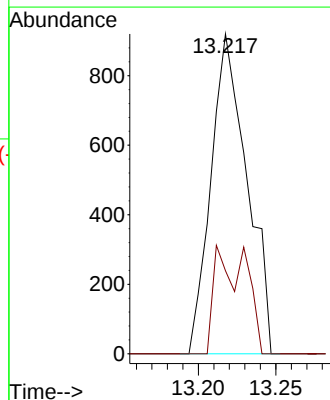
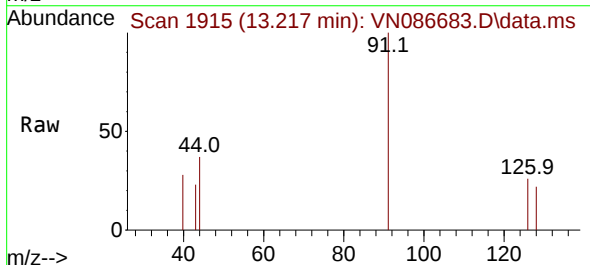
Instrument :
MSVOA_N
ClientSampleId :
PB168034TB

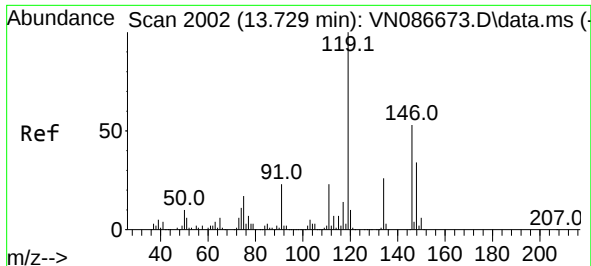
Tgt Ion: 75 Resp: 74242
Ion Ratio Lower Upper
75 100
53 0.0 70.4 105.6#
89 0.0 32.4 48.6#



#82
4-Chlorotoluene
Concen: 0.205 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086683.D
Acq: 19 May 2025 12:38

Tgt Ion: 91 Resp: 1485
Ion Ratio Lower Upper
91 100
126 29.1 17.0 50.9





#87

1,3-Dichlorobenzene

Concen: 0.247 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN086683.D

Acq: 19 May 2025 12:38

Instrument :

MSVOA_N

ClientSampleId :

PB168034TB

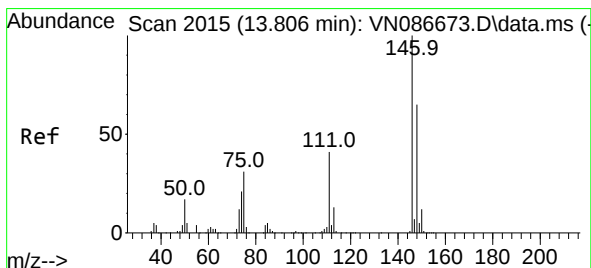
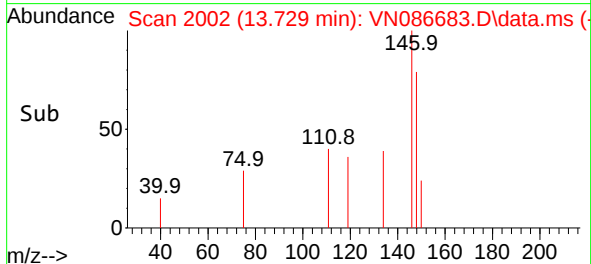
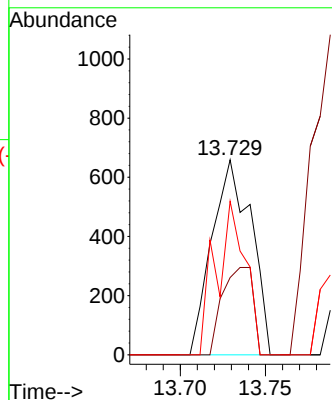
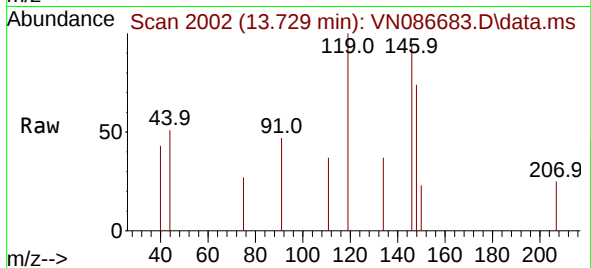
Tgt Ion:146 Resp: 1053

Ion Ratio Lower Upper

146 100

111 34.9 20.9 62.7

148 58.7 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 0.249 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.077 min

Lab File: VN086683.D

Acq: 19 May 2025 12:38

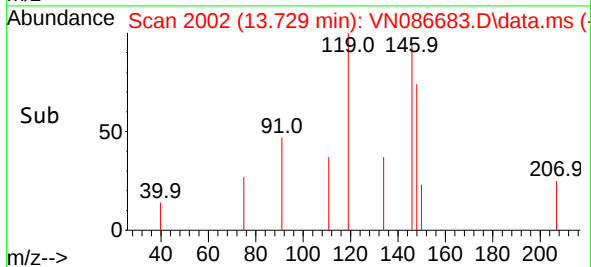
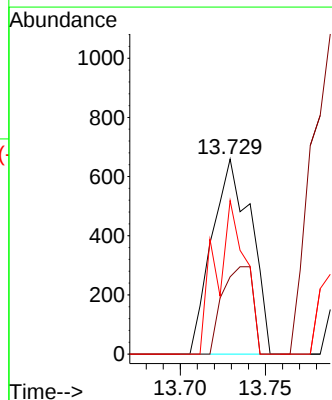
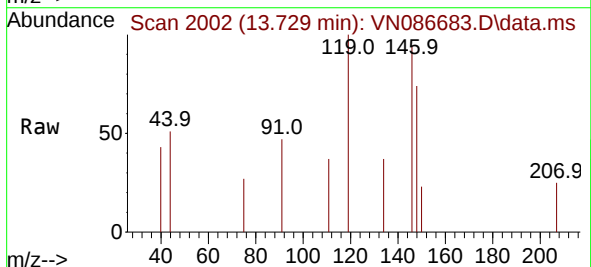
Tgt Ion:146 Resp: 1053

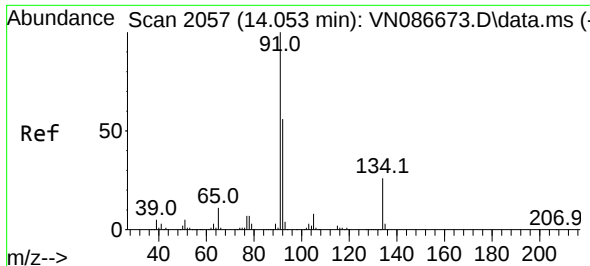
Ion Ratio Lower Upper

146 100

111 34.9 20.6 61.8

148 58.7 32.0 96.0





#89

n-Butylbenzene

Concen: 0.401 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.006 min

Lab File: VN086683.D

Acq: 19 May 2025 12:38

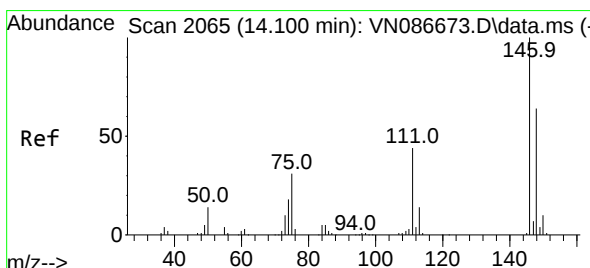
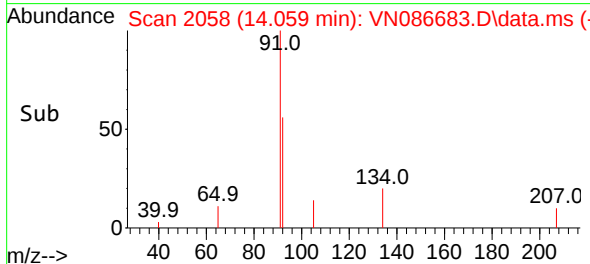
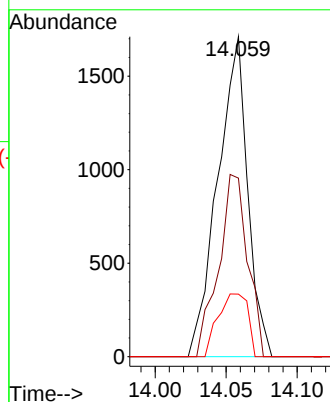
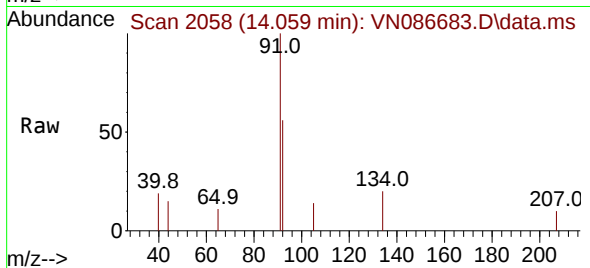
Instrument :

MSVOA_N

ClientSampleId :

PB168034TB

Tgt Ion: 91	Resp:	2505
Ion	Ratio	Lower Upper
91	100	
92	55.3	27.4 82.0
134	19.5	12.8 38.4



#91

1,2-Dichlorobenzene

Concen: 0.207 ug/l

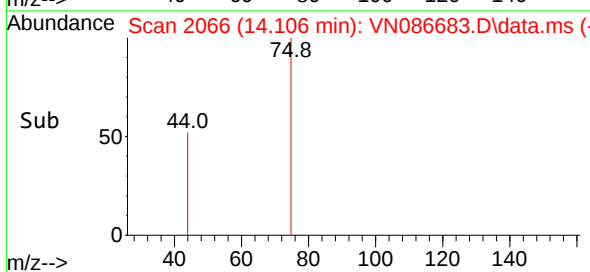
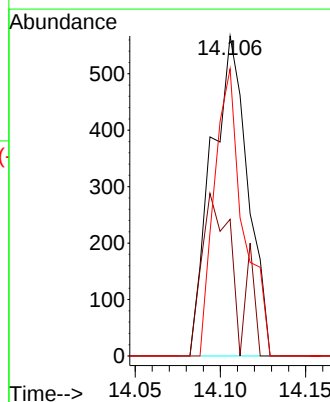
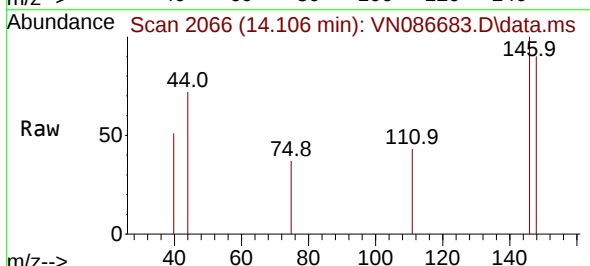
RT: 14.106 min Scan# 2066

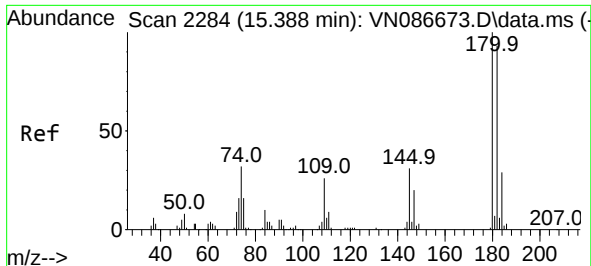
Delta R.T. 0.006 min

Lab File: VN086683.D

Acq: 19 May 2025 12:38

Tgt Ion: 146	Resp:	839
Ion	Ratio	Lower Upper
146	100	
111	46.5	21.6 65.0
148	71.9	31.7 95.1

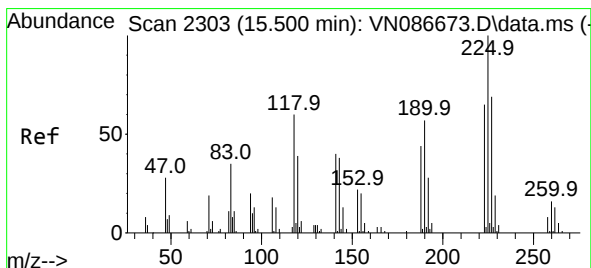
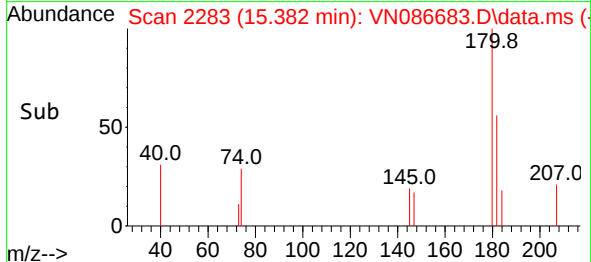
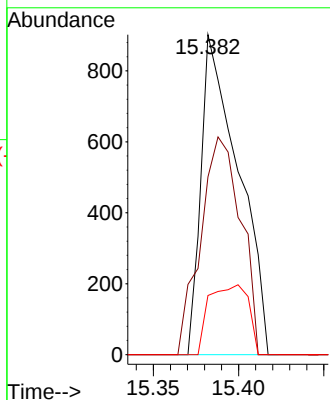
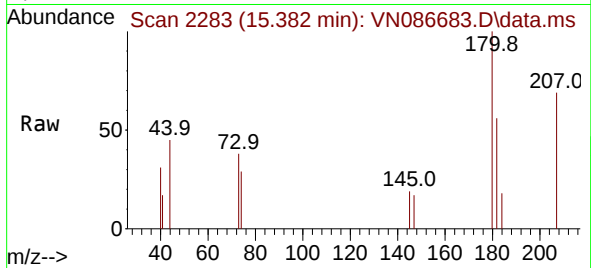




#93
 1,2,4-Trichlorobenzene
 Concen: 0.801 ug/l
 RT: 15.382 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN086683.D
 Acq: 19 May 2025 12:38

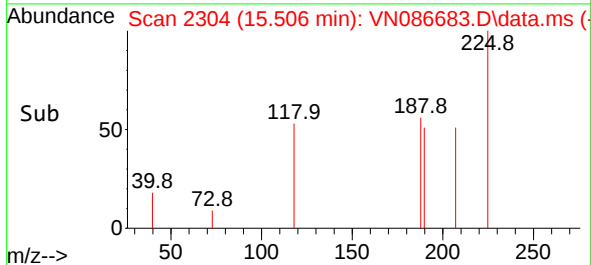
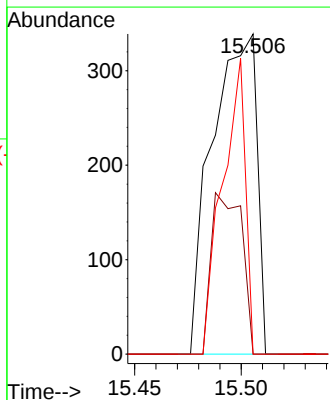
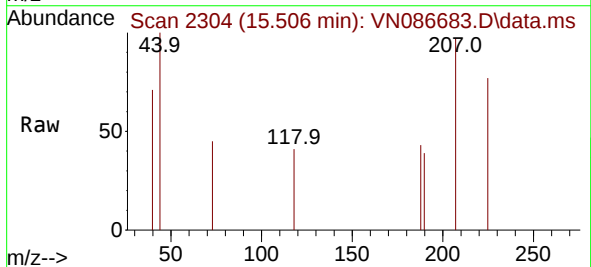
Instrument :
 MSVOA_N
 ClientSampleId :
 PB168034TB

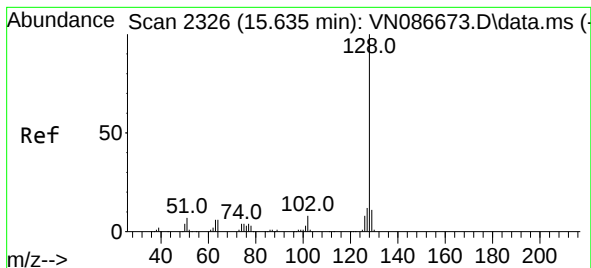
Tgt Ion:180 Resp: 1373
 Ion Ratio Lower Upper
 180 100
 182 73.3 47.1 141.3
 145 22.9 15.6 46.8



#94
 Hexachlorobutadiene
 Concen: 0.693 ug/l
 RT: 15.506 min Scan# 2304
 Delta R.T. 0.006 min
 Lab File: VN086683.D
 Acq: 19 May 2025 12:38

Tgt Ion:225 Resp: 493
 Ion Ratio Lower Upper
 225 100
 223 34.5 32.9 98.6
 227 47.9 32.4 97.2





#95

Naphthalene

Concen: 1.127 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN086683.D

Acq: 19 May 2025 12:38

Instrument :

MSVOA_N

ClientSampleId :

PB168034TB

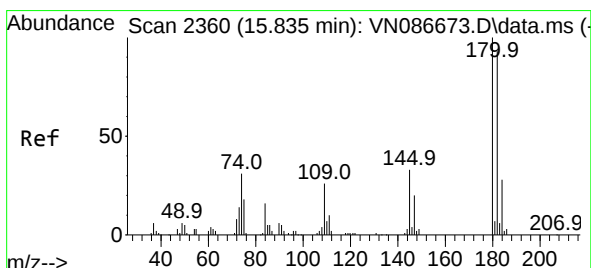
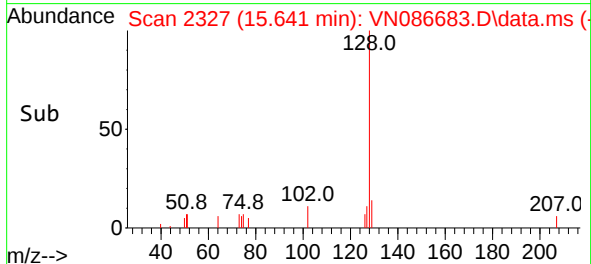
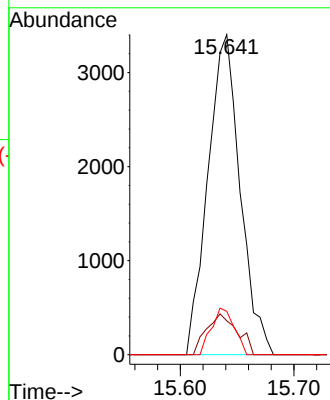
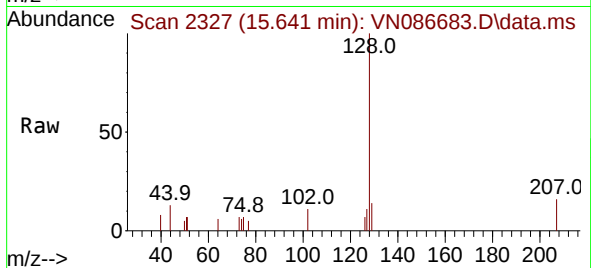
Tgt Ion:128 Resp: 6707

Ion Ratio Lower Upper

128 100

127 12.2 10.1 15.1

129 10.3 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 0.917 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN086683.D

Acq: 19 May 2025 12:38

Tgt Ion:180 Resp: 1540

Ion Ratio Lower Upper

180 100

182 96.7 47.0 141.2

145 25.7 16.7 50.1

