

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087128.D
 Acq On : 20 Jun 2025 11:21
 Operator : JC\MD
 Sample : PB168545TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168545TB

Quant Time: Jun 20 23:02:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

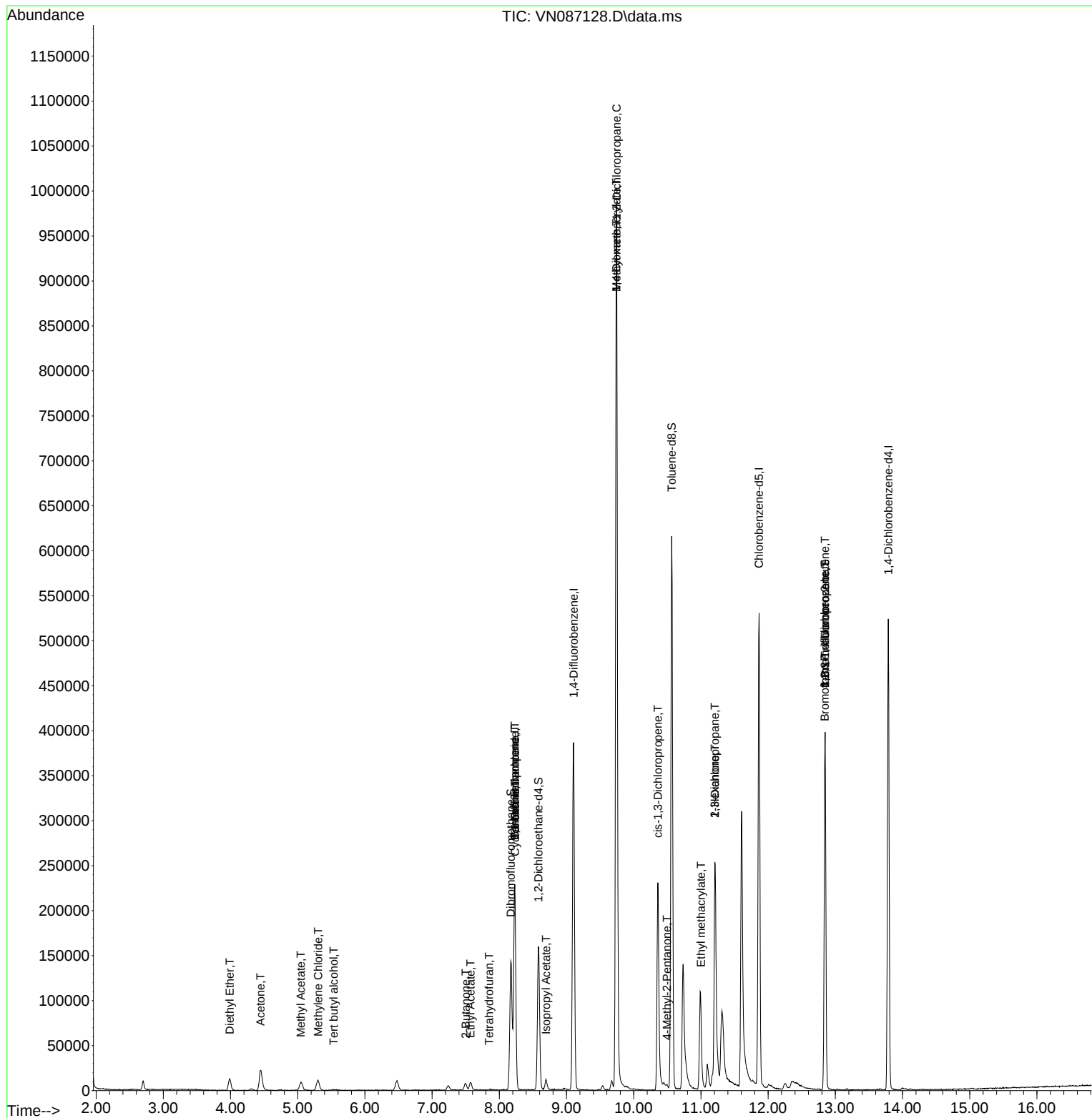
Internal Standards						
1) Pentafluorobenzene	8.230	168	178327	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	360994	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	327064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	152440	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	129000	54.029	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.060%			
35) Dibromofluoromethane	8.171	113	112286	52.486	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.980%			
50) Toluene-d8	10.565	98	452951	53.483	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.960%			
62) 4-Bromofluorobenzene	12.847	95	157541	50.069	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.140%			
Target Compounds						Qvalue
8) Diethyl Ether	3.989	74	8806	6.531	ug/l	98
11) Tert butyl alcohol	5.536	59	1909	2.947	ug/l #	73
16) Acetone	4.448	43	45913	36.262	ug/l	95
18) Methyl Acetate	5.048	43	20294	5.500	ug/l	98
20) Methylene Chloride	5.306	84	9930	4.189	ug/l	95
25) 2-Butanone	7.500	43	13992	6.798	ug/l	95
29) Tetrahydrofuran	7.847	42	357	0.266	ug/l #	58
31) Cyclohexane	8.236	56	3574	0.923	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	13219	4.147	ug/l #	49
37) Ethyl Acetate	7.571	43	13716	3.380	ug/l	99
38) Carbon Tetrachloride	8.230	117	17777	5.680	ug/l #	16
43) Isopropyl Acetate	8.694	43	13362	2.051	ug/l	95
45) 1,2-Dichloropropane	9.747	63	1356	0.535	ug/l #	43
48) Methyl methacrylate	9.741	41	82381	27.480	ug/l #	35
49) 1,4-Dioxane	9.741	88	65	1.192	ug/l #	1
51) 4-Methyl-2-Pentanone	10.494	43	3518	0.897	ug/l #	33
54) cis-1,3-Dichloropropene	10.359	75	55692	13.431	ug/l #	57
56) Ethyl methacrylate	11.000	69	788	0.202	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3705	0.871	ug/l #	43
59) 2-Hexanone	11.206	43	41149	16.292	ug/l #	57
71) Bromoform	12.841	173	843	0.491	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	73304	20.230	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73304	46.568	ug/l #	16

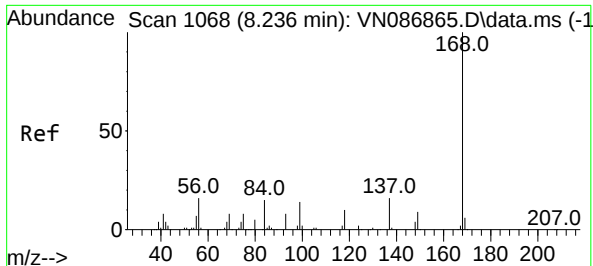
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

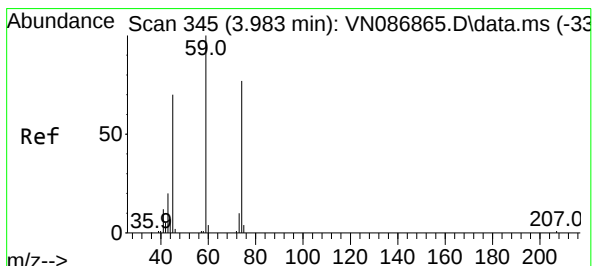
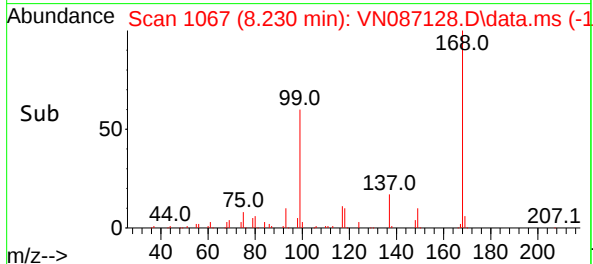
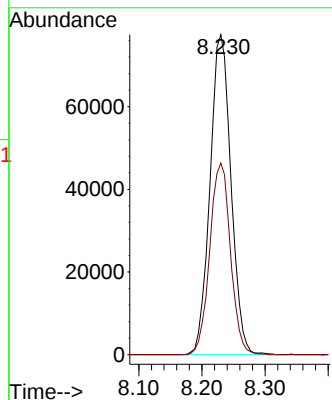
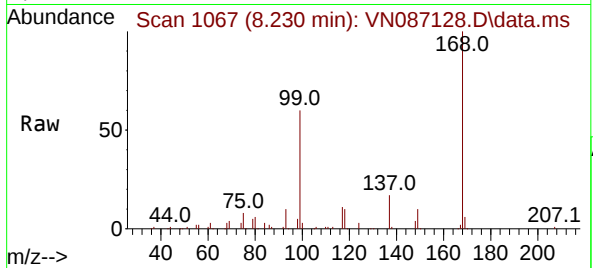




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

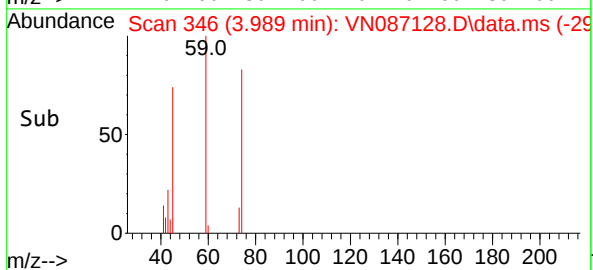
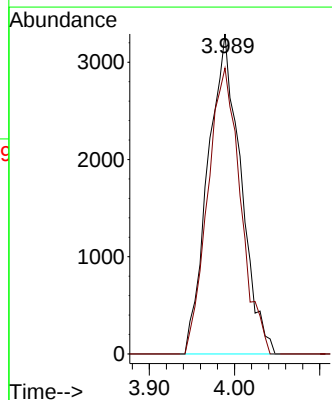
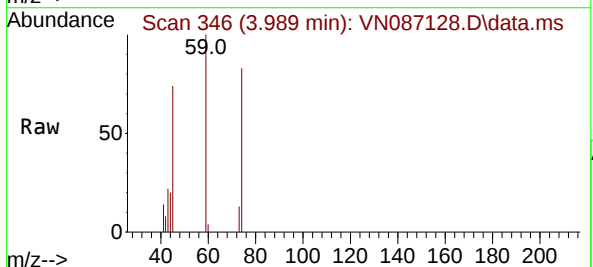
Instrument :
MSVOA_N
ClientSampleId :
PB168545TB

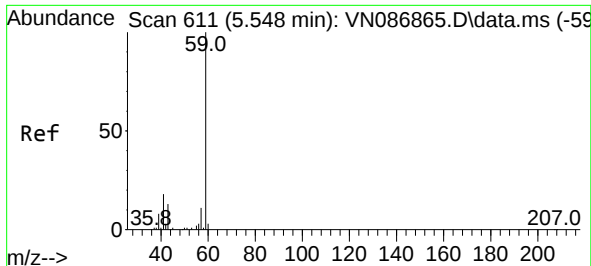
Tgt Ion:168 Resp: 178327
Ion Ratio Lower Upper
168 100
99 59.9 49.1 73.7



#8
Diethyl Ether
Concen: 6.531 ug/l
RT: 3.989 min Scan# 346
Delta R.T. 0.006 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

Tgt Ion: 74 Resp: 8806
Ion Ratio Lower Upper
74 100
45 89.2 45.5 136.5

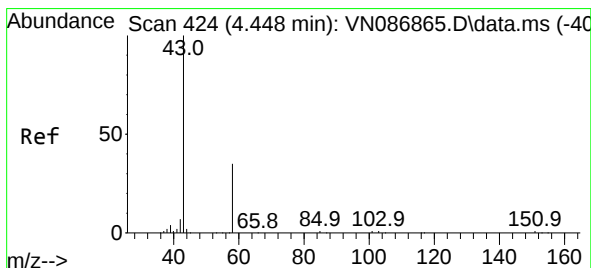
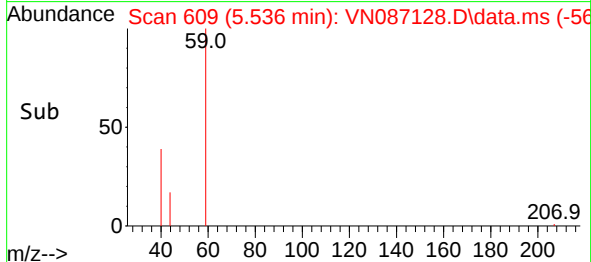
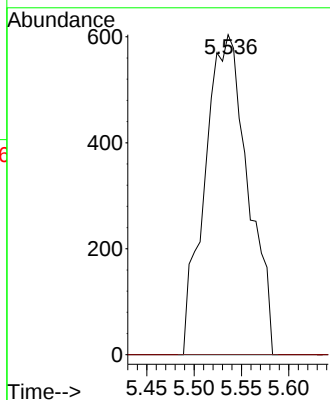
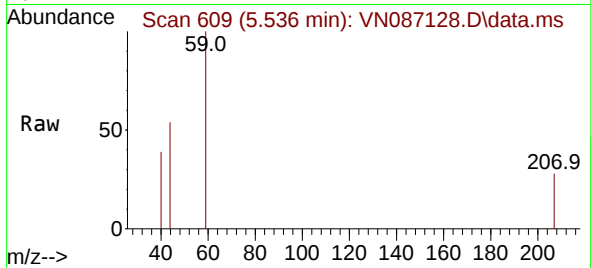




#11
Tert butyl alcohol
Concen: 2.947 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.012 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

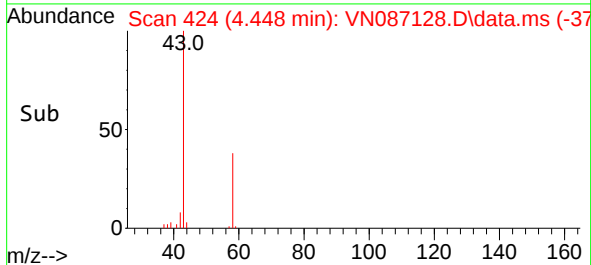
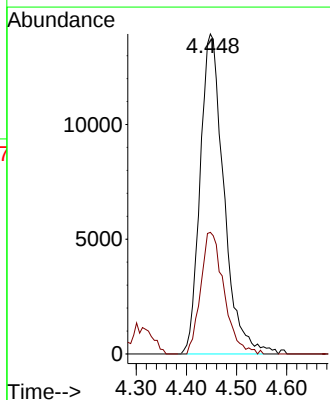
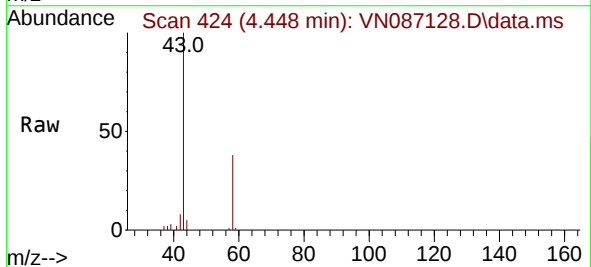
Instrument :
MSVOA_N
ClientSampleId :
PB168545TB

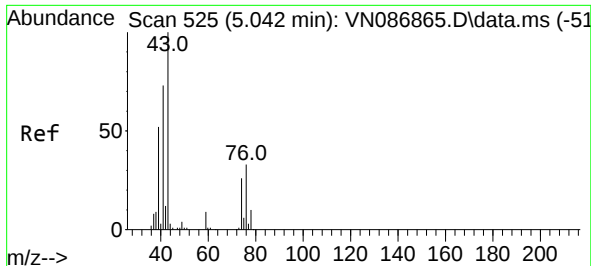
Tgt Ion: 59 Resp: 1909
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 36.262 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.000 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

Tgt Ion: 43 Resp: 45913
Ion Ratio Lower Upper
43 100
58 38.0 28.0 42.0

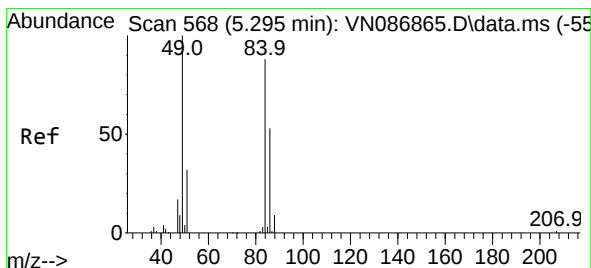
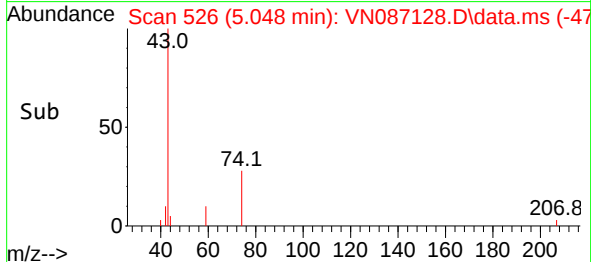
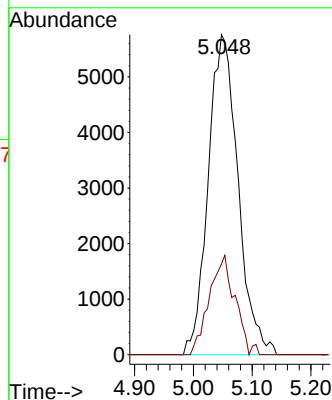
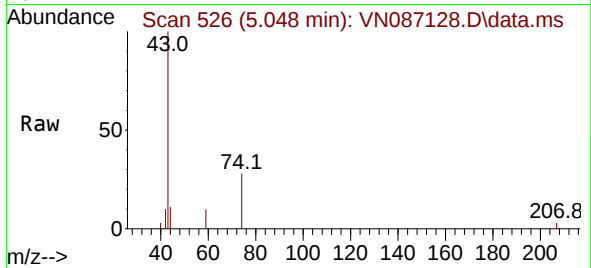




#18
Methyl Acetate
Concen: 5.500 ug/l
RT: 5.048 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

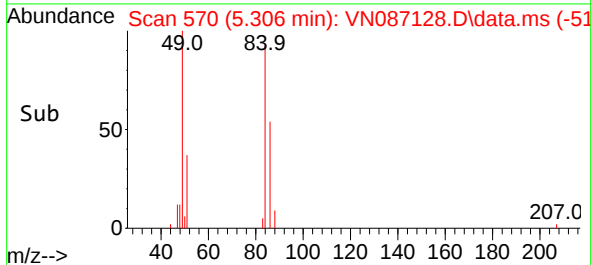
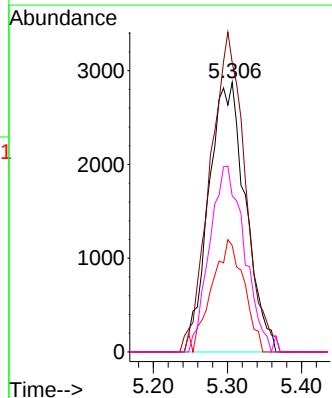
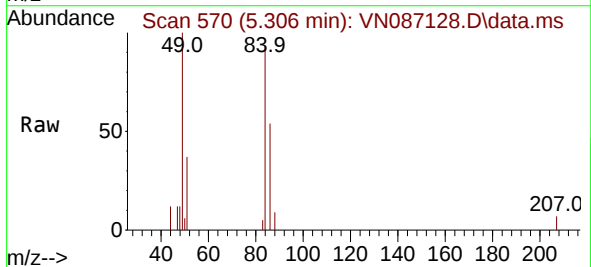
Instrument :
MSVOA_N
ClientSampleId :
PB168545TB

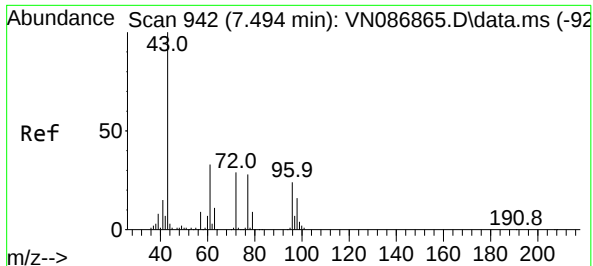
Tgt Ion: 43 Resp: 20294
Ion Ratio Lower Upper
43 100
74 26.9 20.7 31.1



#20
Methylene Chloride
Concen: 4.189 ug/l
RT: 5.306 min Scan# 570
Delta R.T. 0.012 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

Tgt Ion: 84 Resp: 9930
Ion Ratio Lower Upper
84 100
49 107.3 90.5 135.7
51 39.5 28.5 42.7
86 57.9 48.1 72.1

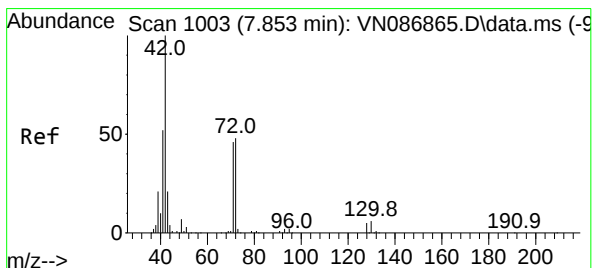
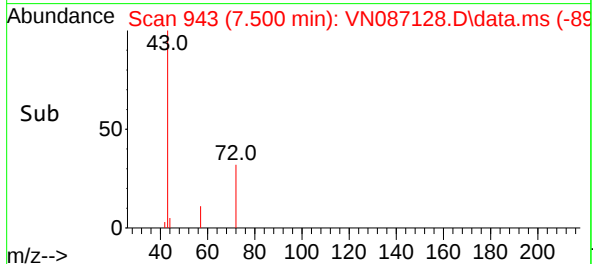
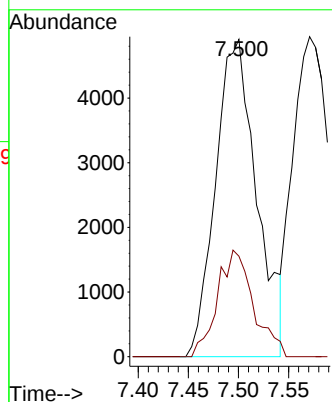
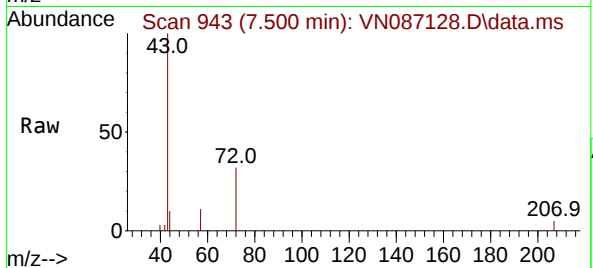




#25
2-Butanone
Concen: 6.798 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

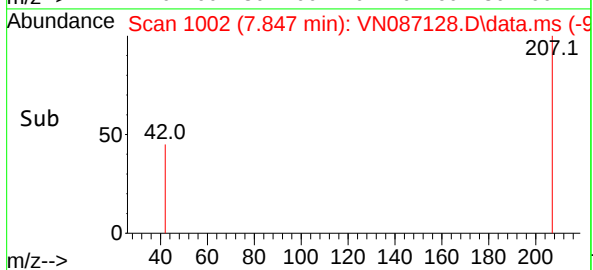
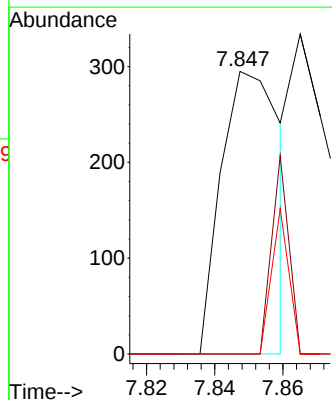
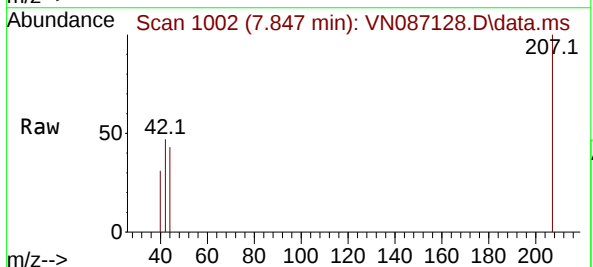
Instrument :
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ClientSampleId :
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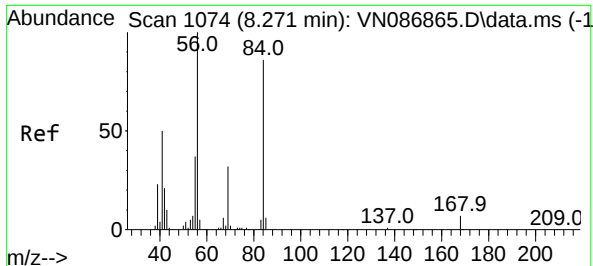
Tgt Ion: 43 Resp: 13992
Ion Ratio Lower Upper
43 100
72 31.7 23.0 34.6



#29
Tetrahydrofuran
Concen: 0.266 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

Tgt Ion: 42 Resp: 357
Ion Ratio Lower Upper
42 100
72 20.4 37.8 56.6#
71 15.1 35.6 53.4#

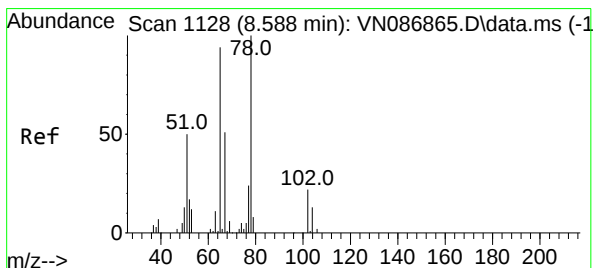
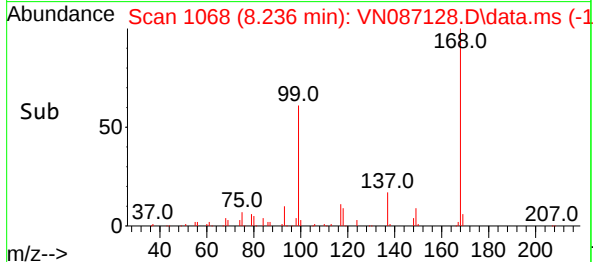
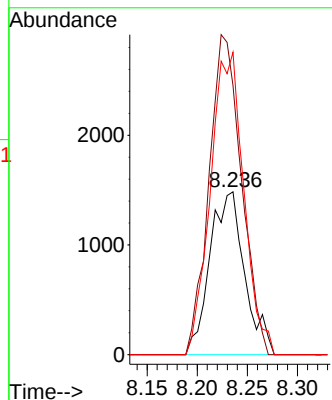
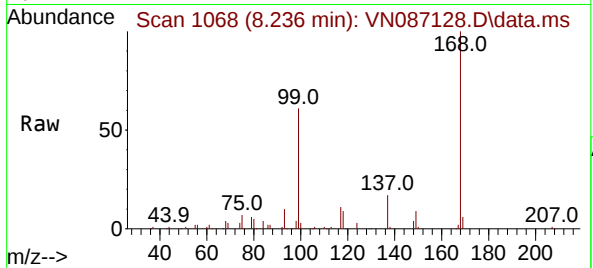




#31
Cyclohexane
Concen: 0.923 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.035 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

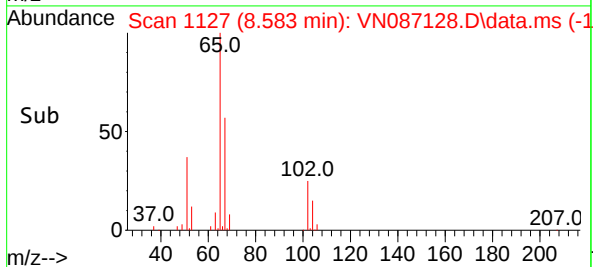
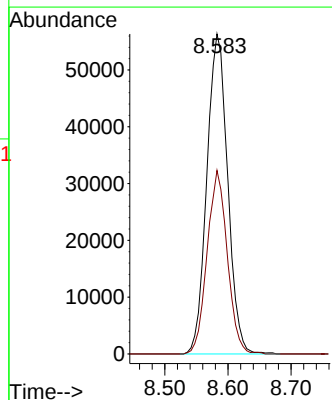
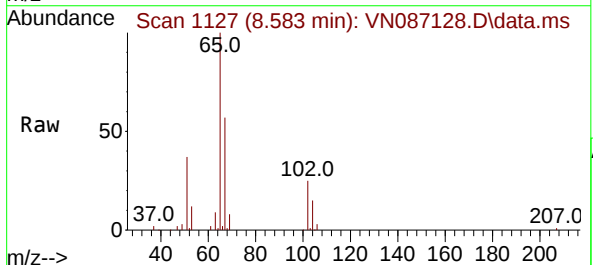
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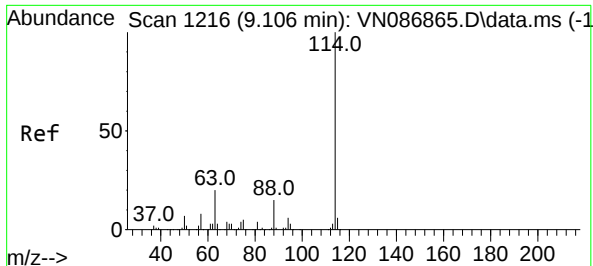
Tgt Ion: 56 Resp: 3574
Ion Ratio Lower Upper
56 100
69 165.3 25.4 38.0#
84 185.7 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 54.029 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

Tgt Ion: 65 Resp: 129000
Ion Ratio Lower Upper
65 100
67 55.5 0.0 105.6

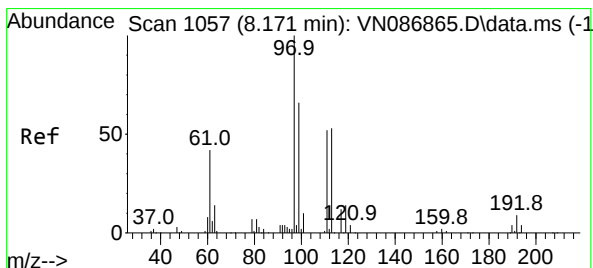
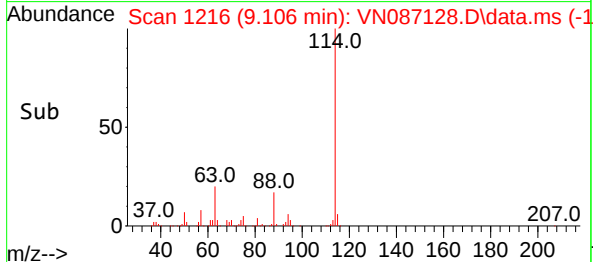
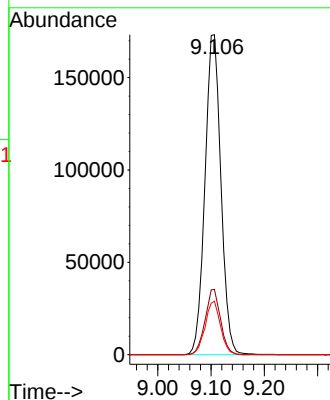
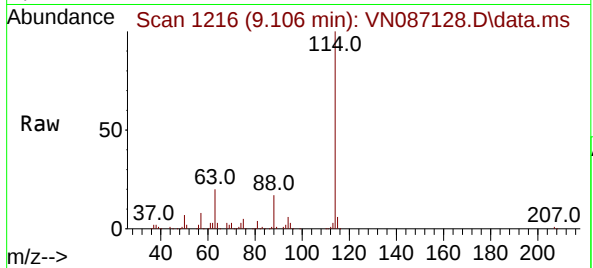




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

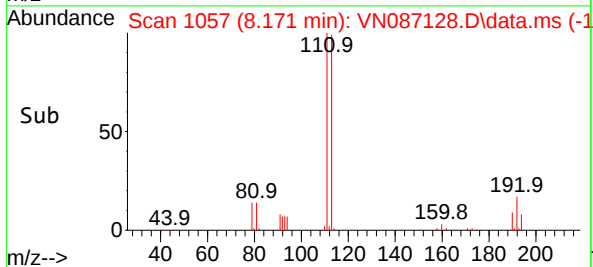
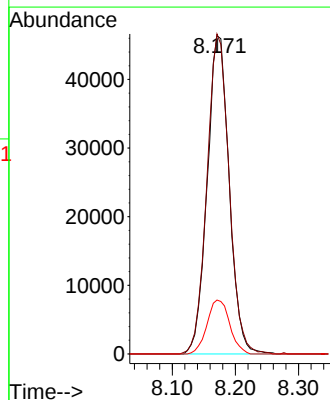
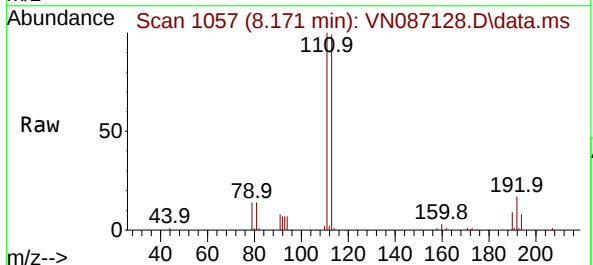
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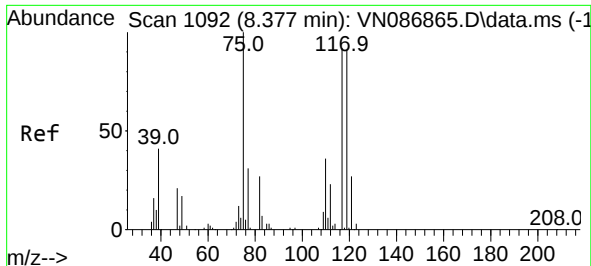
Tgt Ion:114 Resp: 360994
Ion Ratio Lower Upper
114 100
63 20.4 0.0 39.6
88 16.7 0.0 30.2



#35
Dibromofluoromethane
Concen: 52.486 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

Tgt Ion:113 Resp: 112286
Ion Ratio Lower Upper
113 100
111 101.3 84.2 126.2
192 17.5 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.147 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087128.D

Acq: 20 Jun 2025 11:21

Instrument :

MSVOA_N

ClientSampleId :

PB168545TB

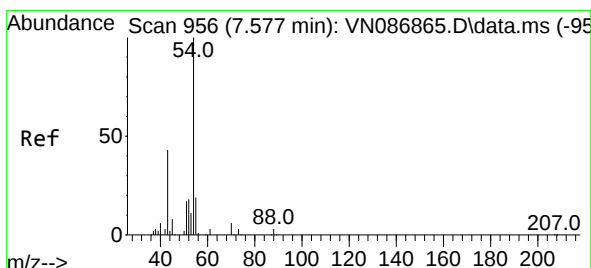
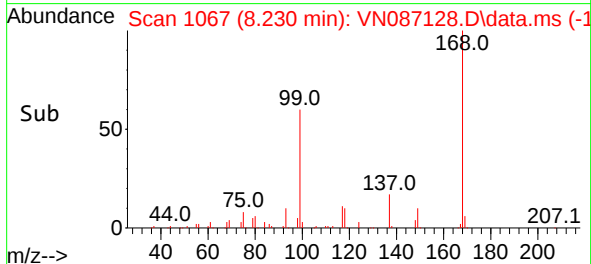
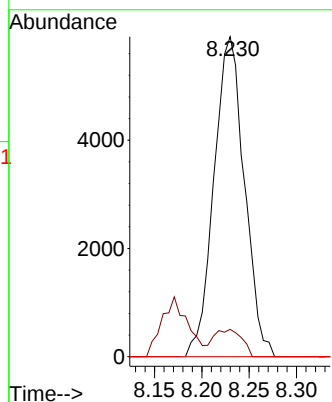
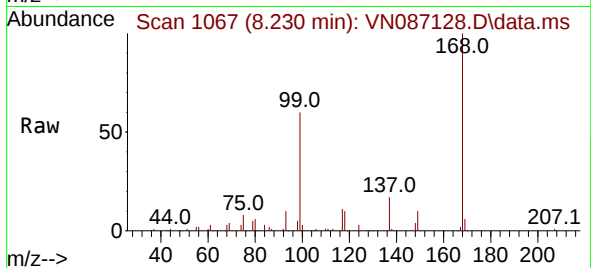
Tgt Ion: 75 Resp: 13219

Ion Ratio Lower Upper

75 100

110 8.2 17.6 52.9#

77 0.0 25.3 37.9#



#37

Ethyl Acetate

Concen: 3.380 ug/l

RT: 7.571 min Scan# 955

Delta R.T. -0.006 min

Lab File: VN087128.D

Acq: 20 Jun 2025 11:21

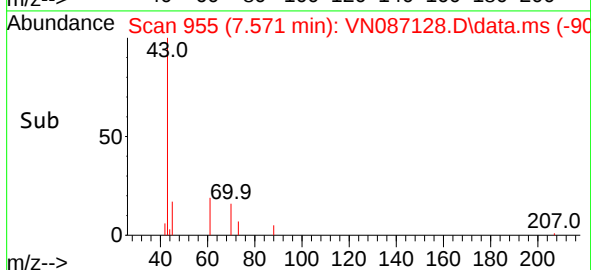
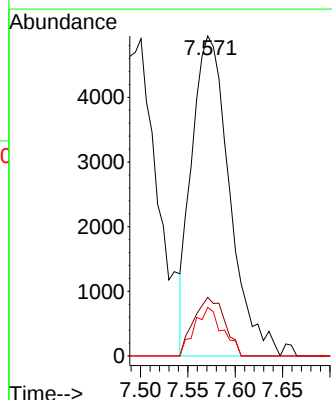
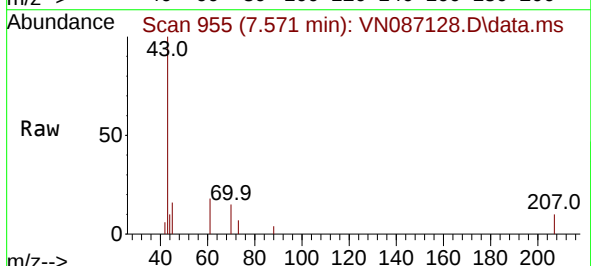
Tgt Ion: 43 Resp: 13716

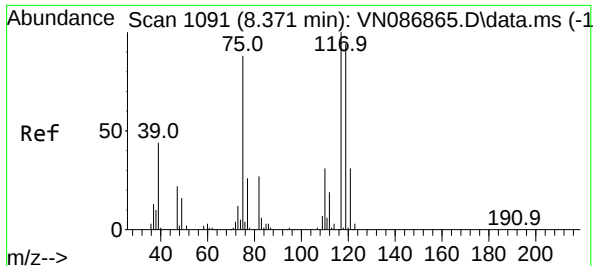
Ion Ratio Lower Upper

43 100

61 15.0 12.1 18.1

70 11.3 9.8 14.6

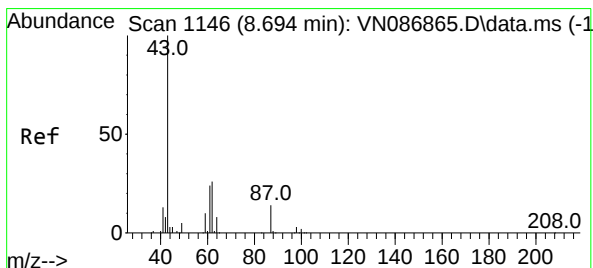
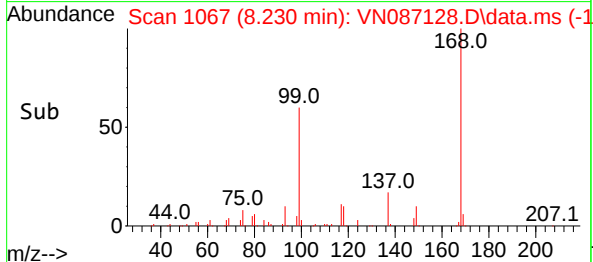
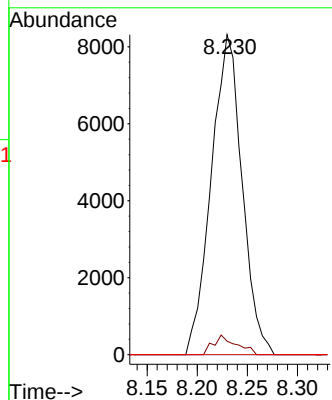
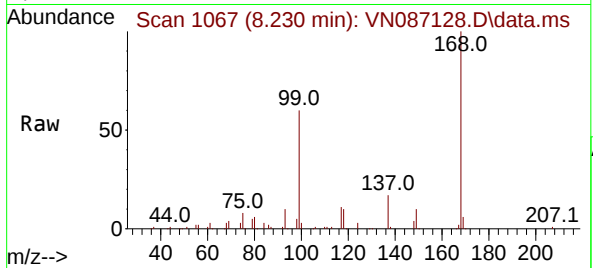




#38
Carbon Tetrachloride
Concen: 5.680 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

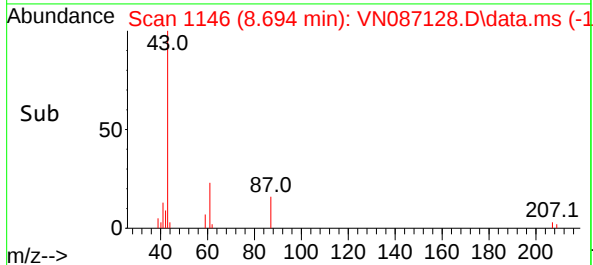
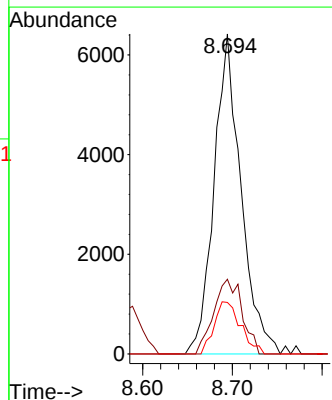
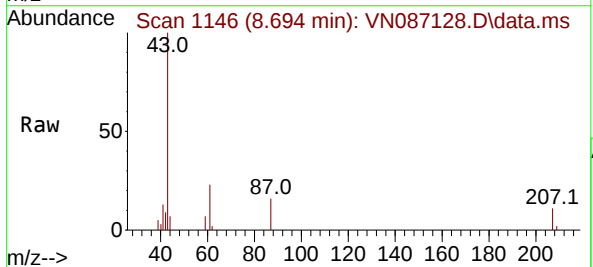
Instrument :
MSVOA_N
ClientSampleId :
PB168545TB

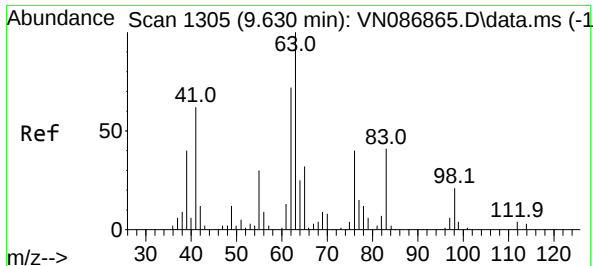
Tgt Ion:117 Resp: 17777
Ion Ratio Lower Upper
117 100
119 4.2 75.0 112.6#
121 0.0 24.9 37.3#



#43
Isopropyl Acetate
Concen: 2.051 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

Tgt Ion: 43 Resp: 13362
Ion Ratio Lower Upper
43 100
61 24.7 22.1 33.1
87 16.0 11.8 17.6





#45

1,2-Dichloropropane

Concen: 0.535 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.118 min

Lab File: VN087128.D

Acq: 20 Jun 2025 11:21

Instrument :

MSVOA_N

ClientSampleId :

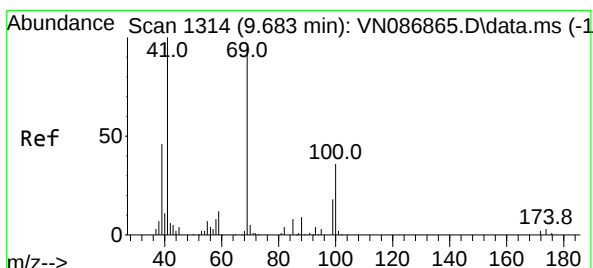
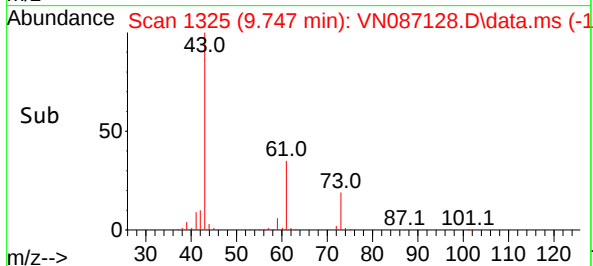
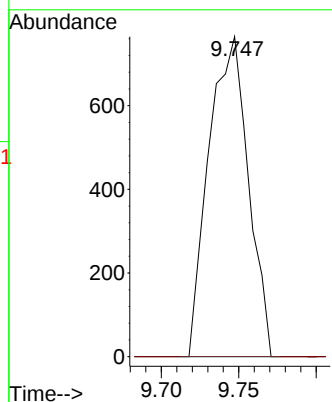
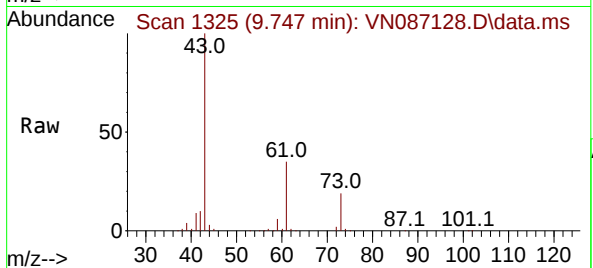
PB168545TB

Tgt Ion: 63 Resp: 1356

Ion Ratio Lower Upper

63 100

65 0.0 25.5 38.3#



#48

Methyl methacrylate

Concen: 27.480 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.059 min

Lab File: VN087128.D

Acq: 20 Jun 2025 11:21

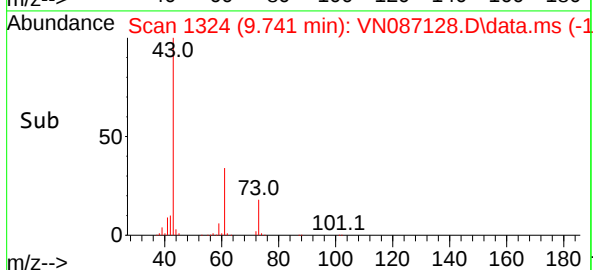
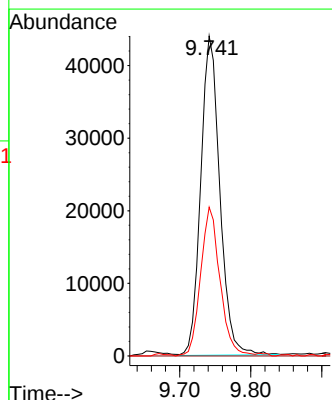
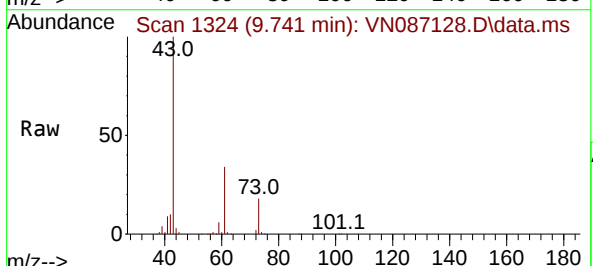
Tgt Ion: 41 Resp: 82381

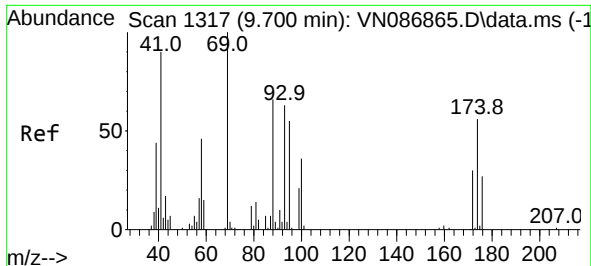
Ion Ratio Lower Upper

41 100

69 0.0 74.6 112.0#

39 47.2 40.2 60.4





#49

1,4-Dioxane

Concen: 1.192 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN087128.D

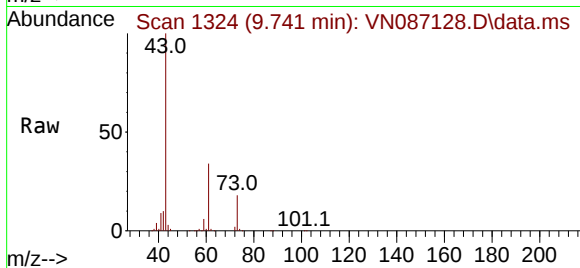
Acq: 20 Jun 2025 11:21

Instrument :

MSVOA_N

ClientSampleId :

PB168545TB



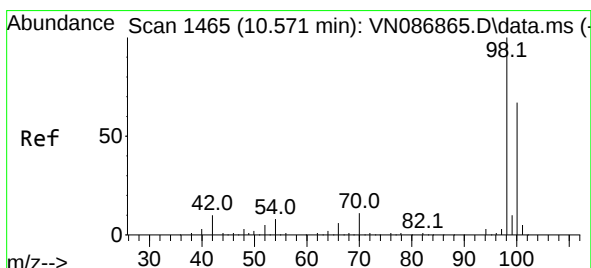
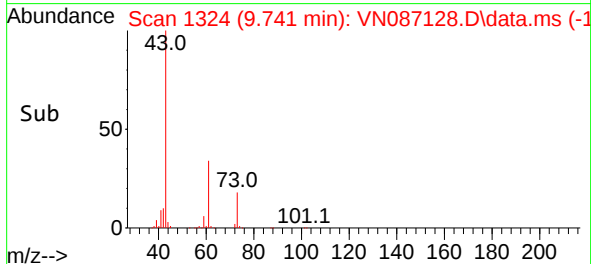
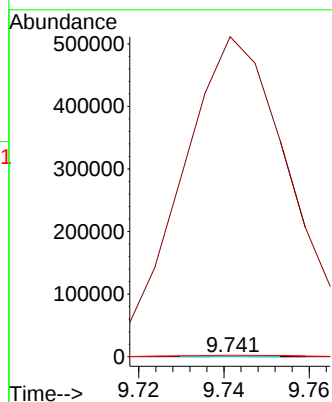
Tgt Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 1478076.9 0.0 0.0#

58 7341.5 57.7 86.5#



#50

Toluene-d8

Concen: 53.483 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN087128.D

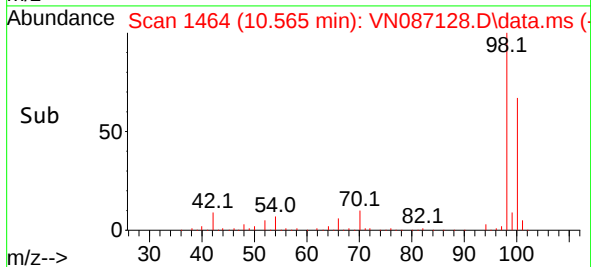
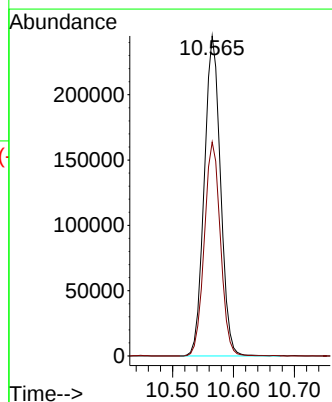
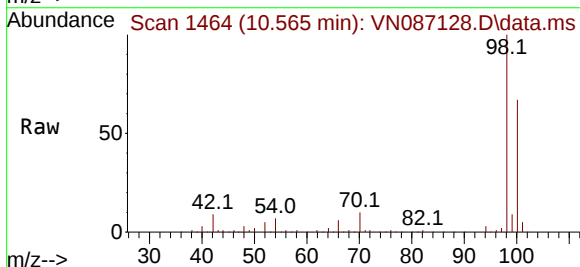
Acq: 20 Jun 2025 11:21

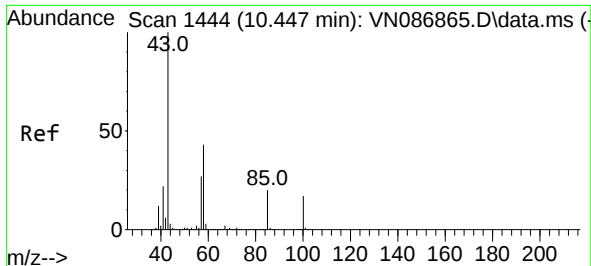
Tgt Ion: 98 Resp: 452951

Ion Ratio Lower Upper

98 100

100 66.3 53.4 80.0

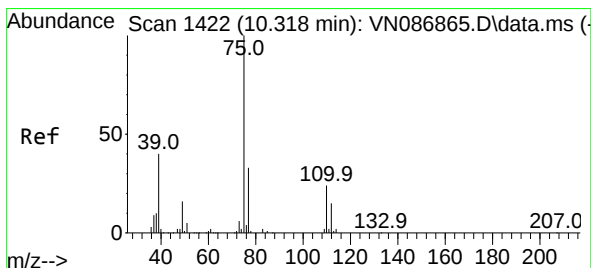
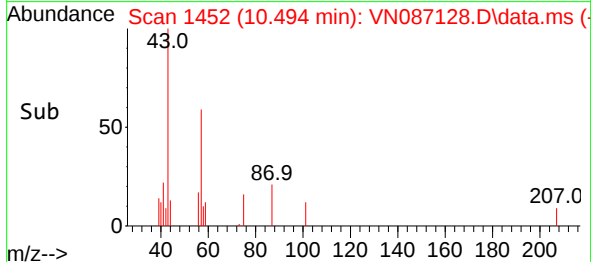
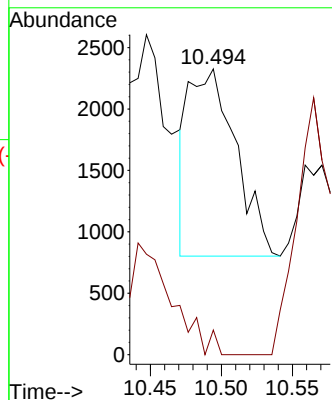
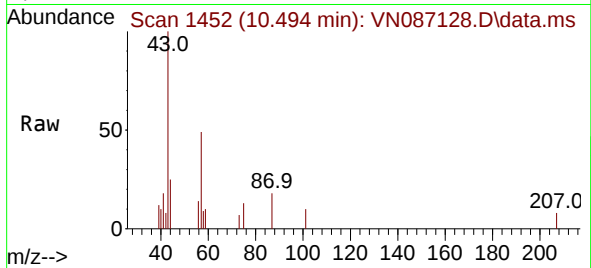




#51
4-Methyl-2-Pentanone
Concen: 0.897 ug/l
RT: 10.494 min Scan# 1444
Delta R.T. 0.047 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

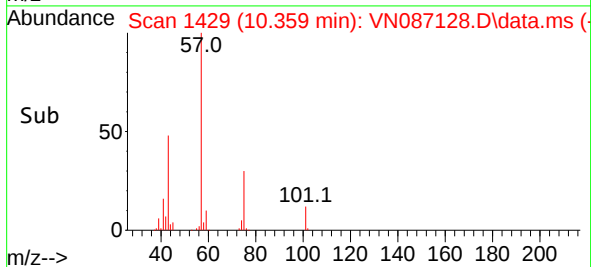
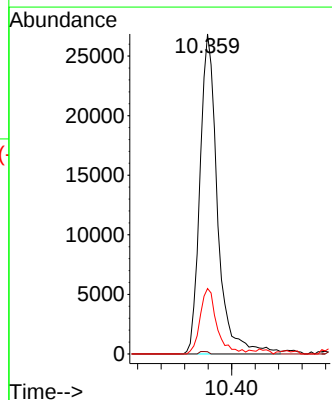
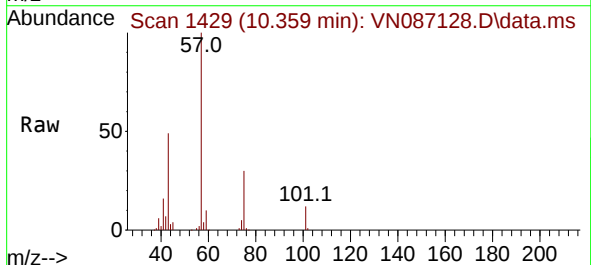
Instrument :
MSVOA_N
ClientSampleId :
PB168545TB

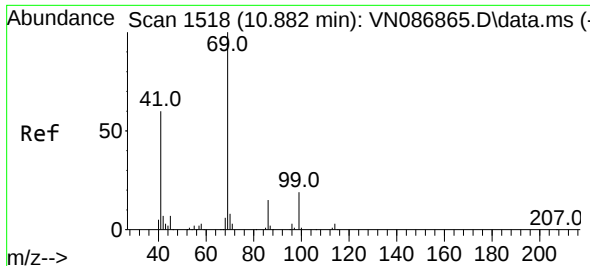
Tgt Ion: 43 Resp: 3518
Ion Ratio Lower Upper
43 100
58 0.0 34.2 51.4#



#54
cis-1,3-Dichloropropene
Concen: 13.431 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

Tgt Ion: 75 Resp: 55692
Ion Ratio Lower Upper
75 100
77 0.7 26.2 39.4#
39 20.4 32.3 48.5#

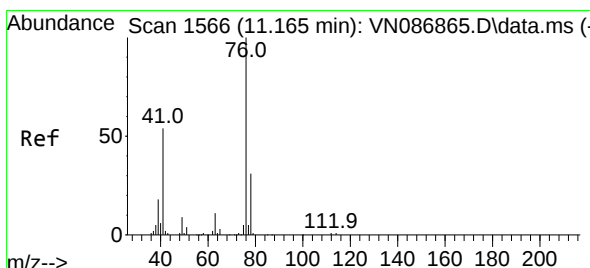
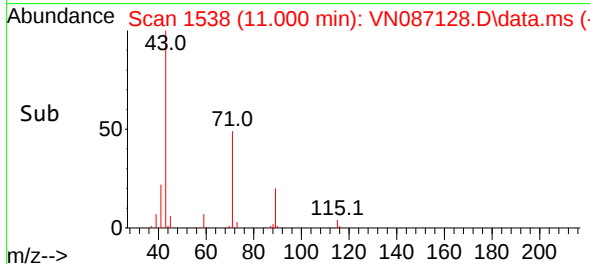
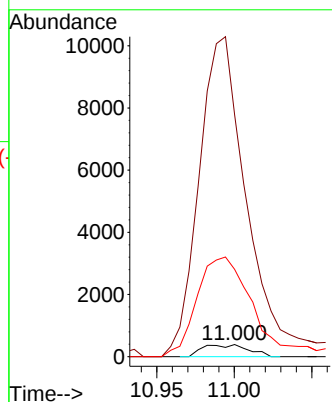
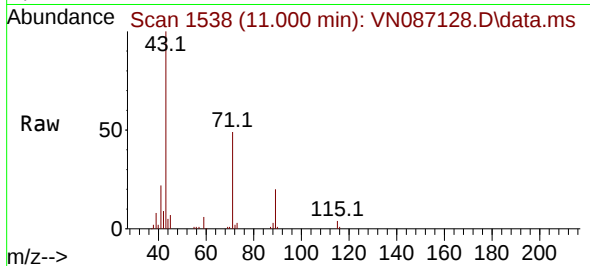




#56
Ethyl methacrylate
Concen: 0.202 ug/l
RT: 11.000 min Scan# 1538
Delta R.T. 0.118 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

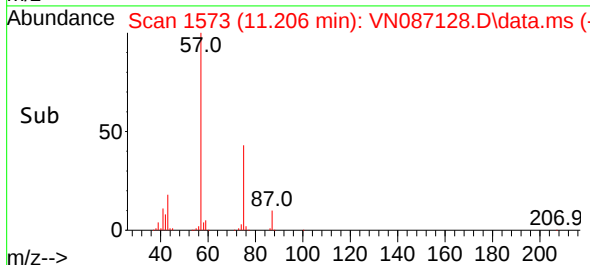
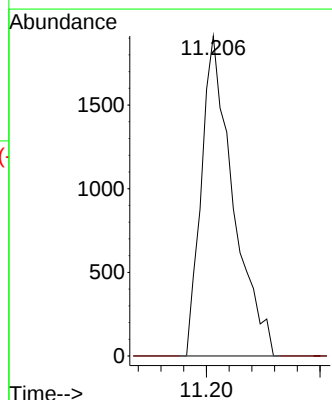
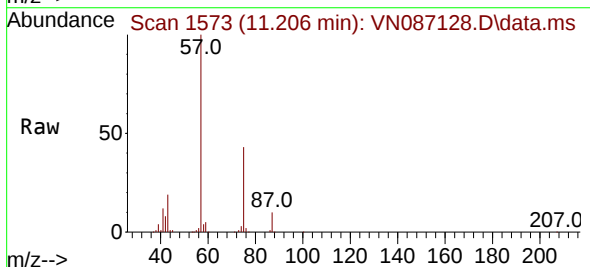
Instrument :
MSVOA_N
ClientSampleId :
PB168545TB

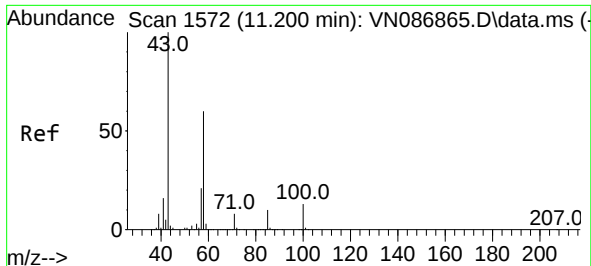
Tgt Ion: 69 Resp: 788
Ion Ratio Lower Upper
69 100
41 2851.8 47.2 70.8#
39 1028.7 23.0 34.6#



#57
1,3-Dichloropropane
Concen: 0.871 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

Tgt Ion: 76 Resp: 3705
Ion Ratio Lower Upper
76 100
78 0.0 25.3 37.9#

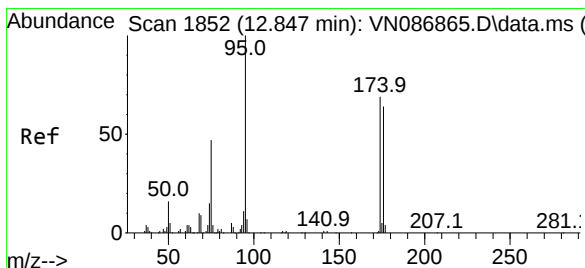
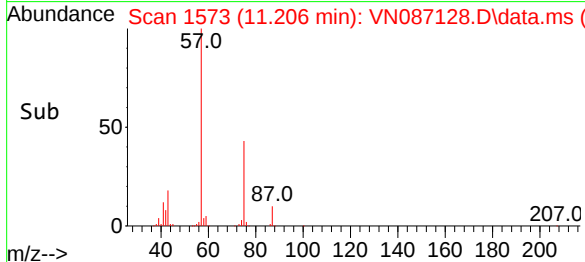
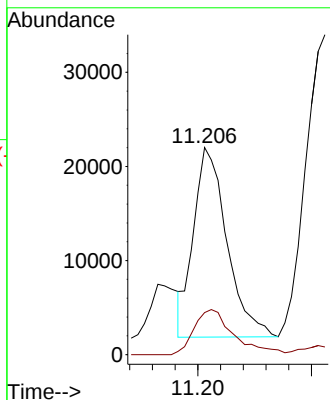
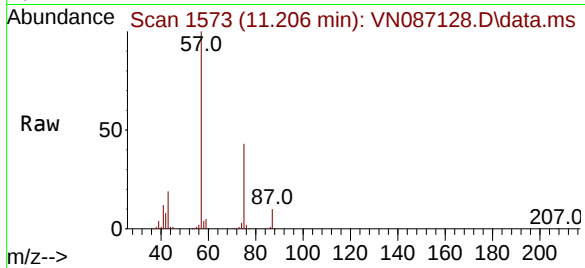




#59
2-Hexanone
Concen: 16.292 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

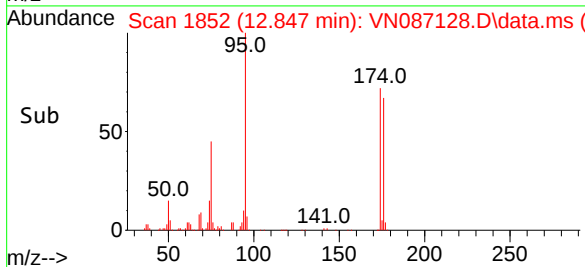
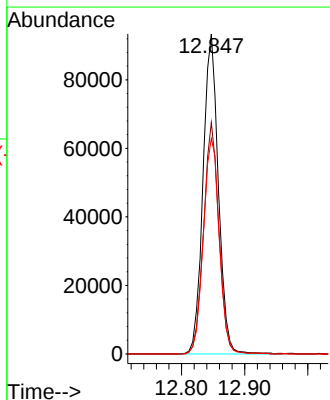
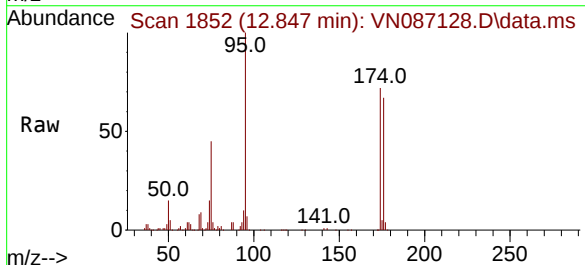
Instrument :
MSVOA_N
ClientSampleId :
PB168545TB

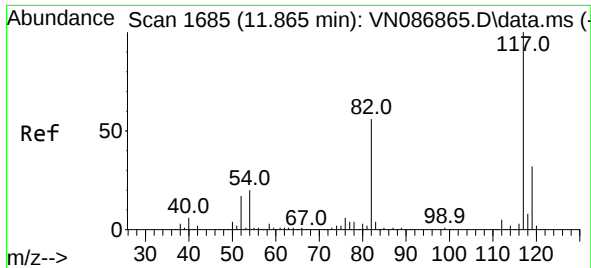
Tgt Ion: 43 Resp: 41149
Ion Ratio Lower Upper
43 100
58 28.2 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 50.069 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

Tgt Ion: 95 Resp: 157541
Ion Ratio Lower Upper
95 100
174 72.0 0.0 141.8
176 69.9 0.0 132.6

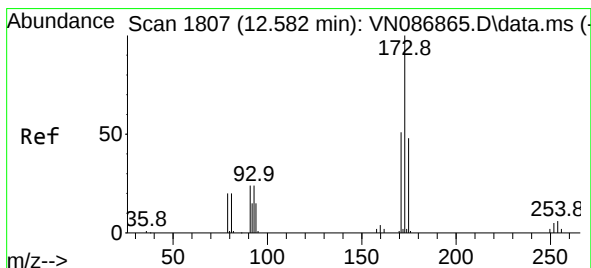
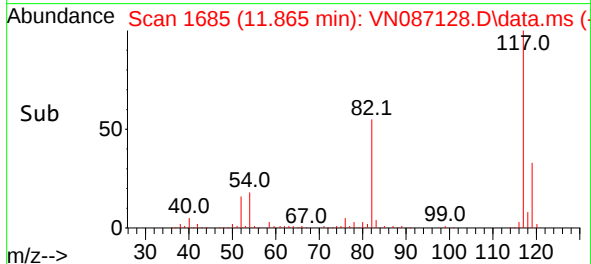
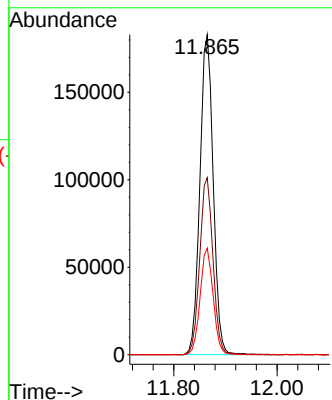
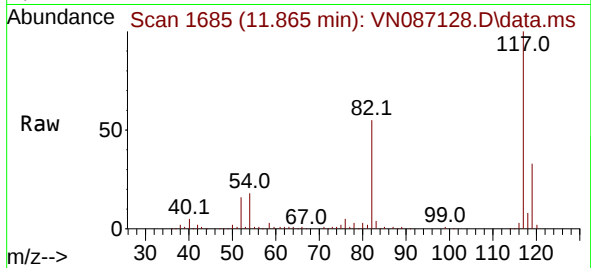




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1185
Delta R.T. 0.000 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

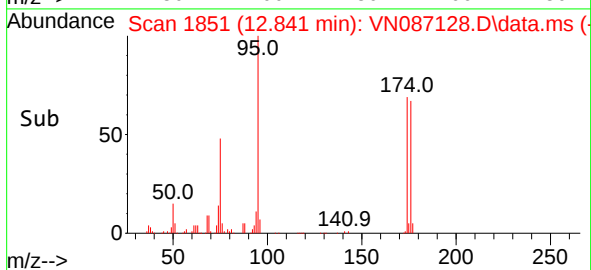
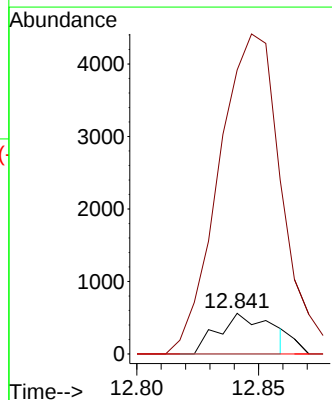
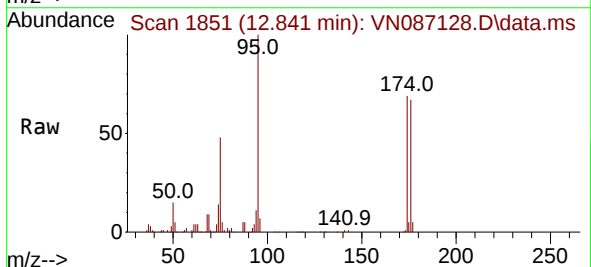
Instrument :
MSVOA_N
ClientSampleId :
PB168545TB

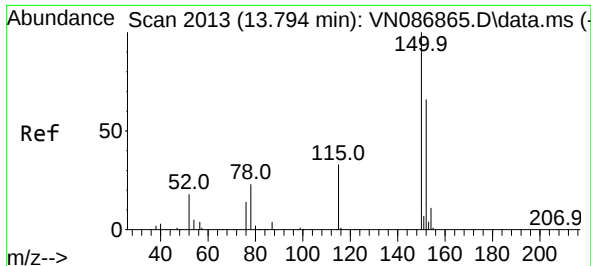
Tgt Ion:117 Resp: 327064
Ion Ratio Lower Upper
117 100
82 55.3 44.6 67.0
119 33.3 25.5 38.3



#71
Bromoform
Concen: 0.491 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.259 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

Tgt Ion:173 Resp: 843
Ion Ratio Lower Upper
173 100
175 858.2 24.1 72.4#
254 0.0 0.0 0.0

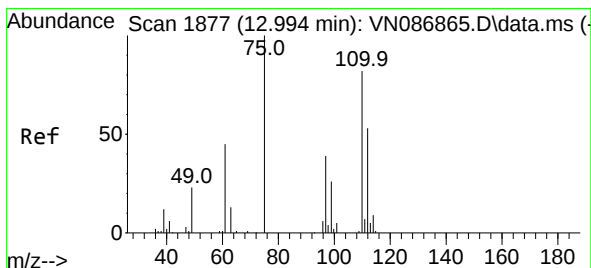
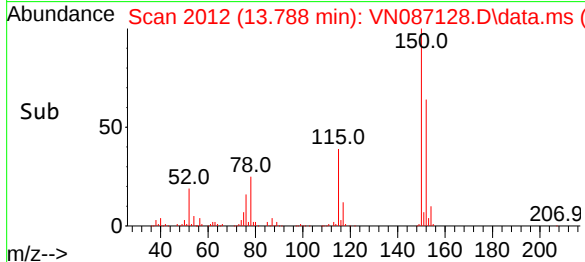
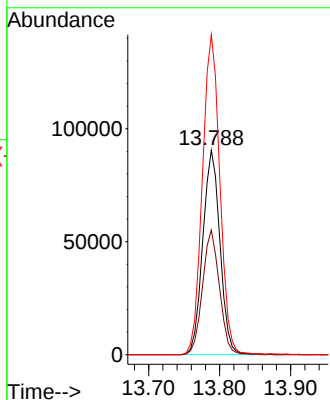
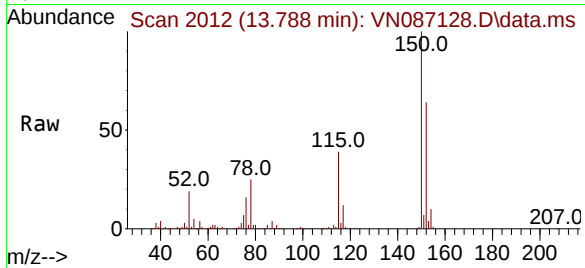




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

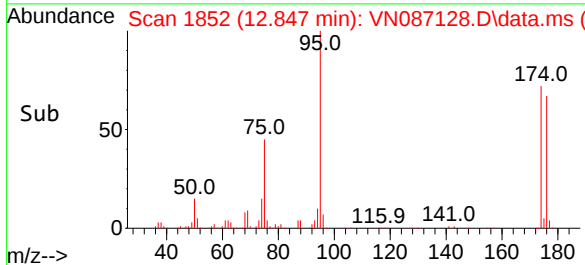
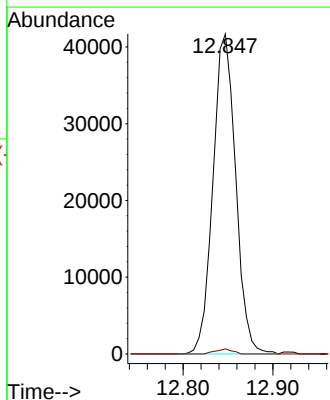
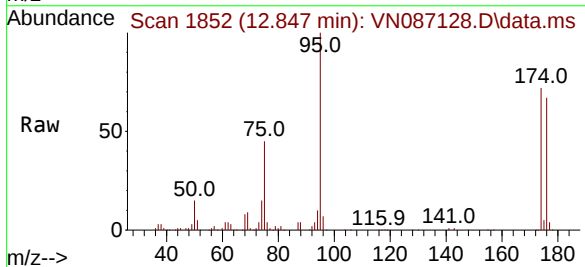
Instrument :
MSVOA_N
ClientSampleId :
PB168545TB

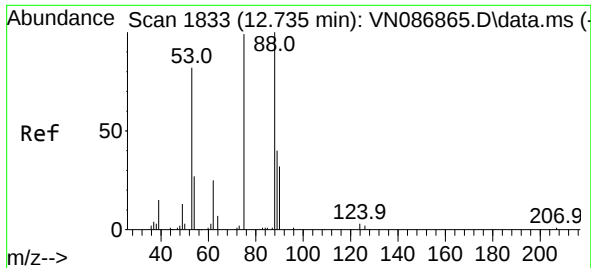
Tgt Ion:152 Resp: 152440
Ion Ratio Lower Upper
152 100
115 60.0 30.1 90.5
150 159.1 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 20.230 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087128.D
Acq: 20 Jun 2025 11:21

Tgt Ion: 75 Resp: 73304
Ion Ratio Lower Upper
75 100
77 1.2 79.3 237.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.568 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087128.D
 Acq: 20 Jun 2025 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168545TB

Tgt Ion: 75 Resp: 73304
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.6 99.8#
 89 0.1 36.7 55.1#

