

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
 Data File : VN086027.D
 Acq On : 20 Mar 2025 16:12
 Operator : JC\MD
 Sample : VN0320WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBL01

Quant Time: Mar 21 01:20:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

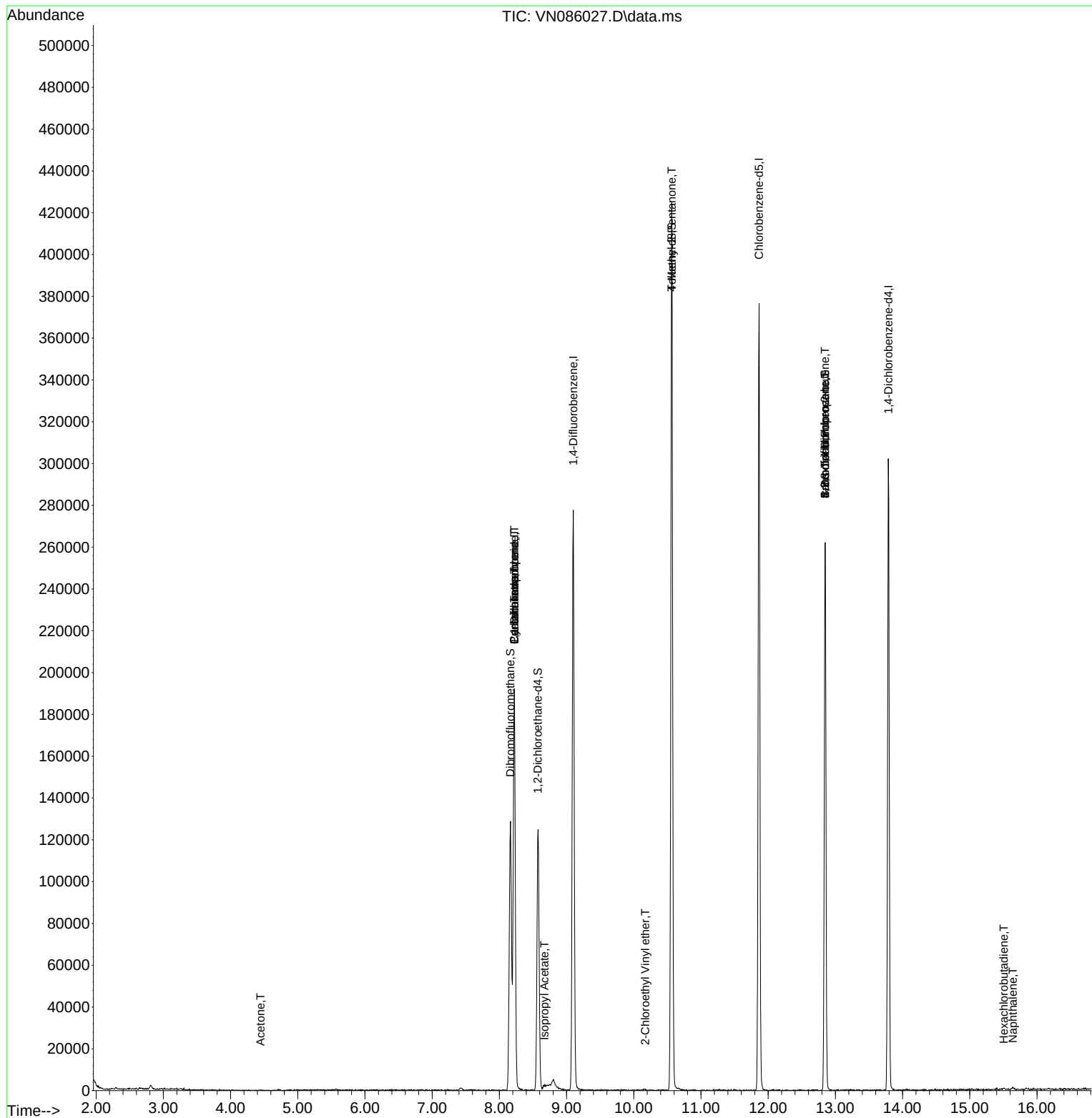
Internal Standards						
1) Pentafluorobenzene	8.224	168	133645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	242254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	218780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	87559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	106454	58.170	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.340%			
35) Dibromofluoromethane	8.165	113	92615	54.773	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.540%			
50) Toluene-d8	10.565	98	298035	48.565	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.140%			
62) 4-Bromofluorobenzene	12.847	95	94197	43.040	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 86.080%			
Target Compounds					Qvalue	
16) Acetone	4.447	43	116	0.207	ug/l #	38
31) Cyclohexane	8.224	56	2873	1.260	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	10749	4.828	ug/l #	49
38) Carbon Tetrachloride	8.224	117	14575	4.979	ug/l #	16
43) Isopropyl Acetate	8.671	43	1355	0.333	ug/l #	50
51) 4-Methyl-2-Pentanone	10.565	43	1195	0.666	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.171	63	515	4.095	ug/l #	43
71) Bromoform	12.847	173	925	0.595	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	46772	23.860	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	46772	63.081	ug/l #	16
94) Hexachlorobutadiene	15.506	225	338	0.388	ug/l #	29
95) Naphthalene	15.641	128	1321	0.304	ug/l #	81

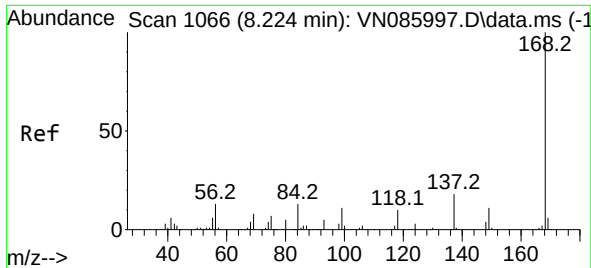
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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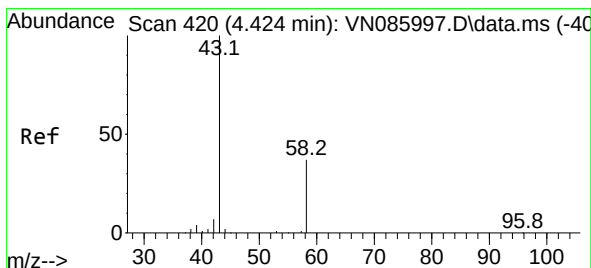
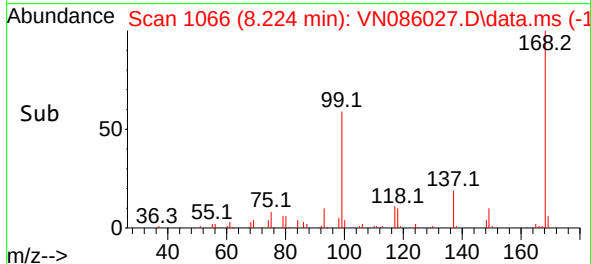
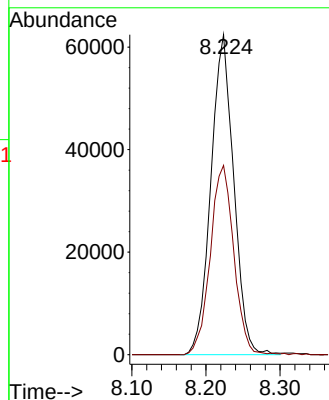
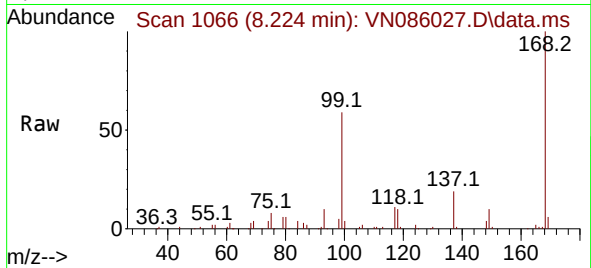




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

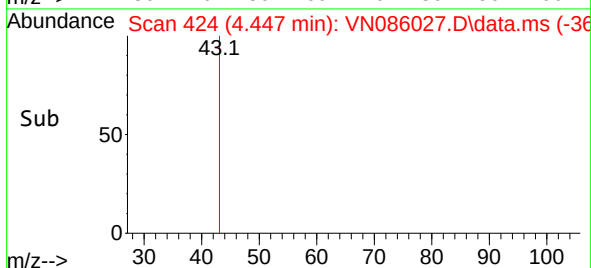
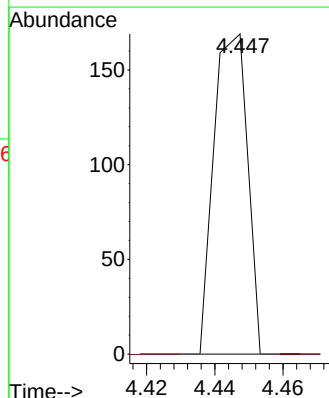
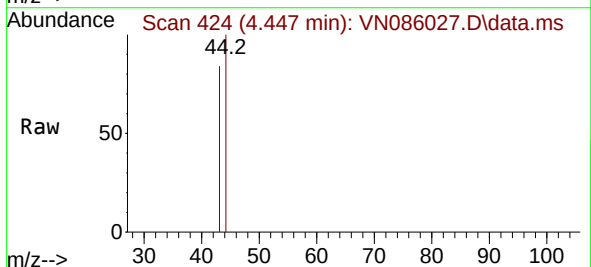
Instrument :
MSVOA_N
ClientSampleId :
VN0320WBL01

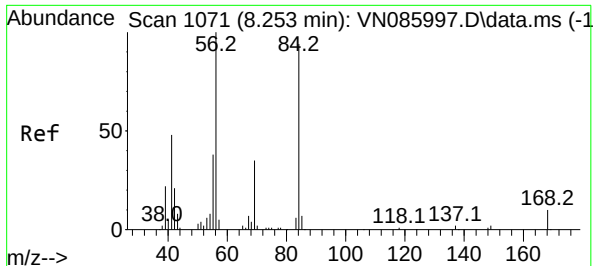
Tgt Ion:168 Resp: 133645
Ion Ratio Lower Upper
168 100
99 59.2 49.4 74.2



#16
Acetone
Concen: 0.207 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.023 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

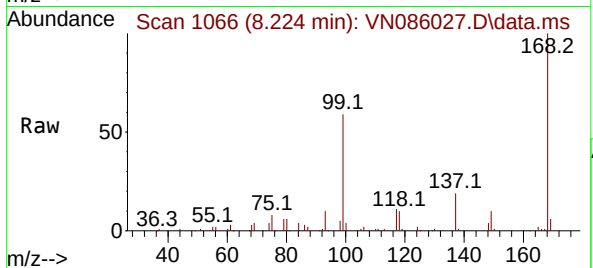
Tgt Ion: 43 Resp: 116
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.2#



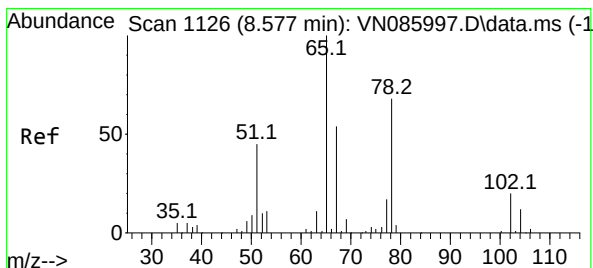
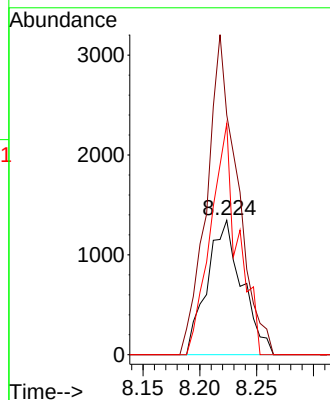
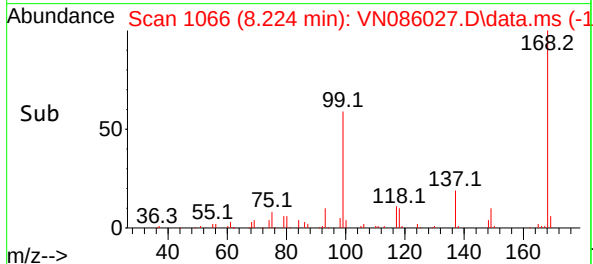


#31
Cyclohexane
Concen: 1.260 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBL01

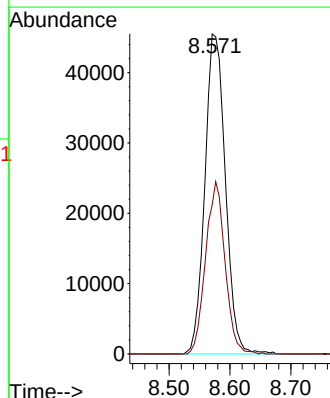
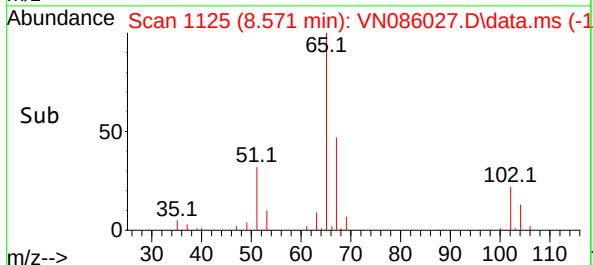
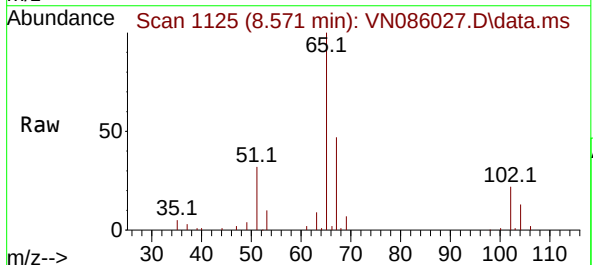


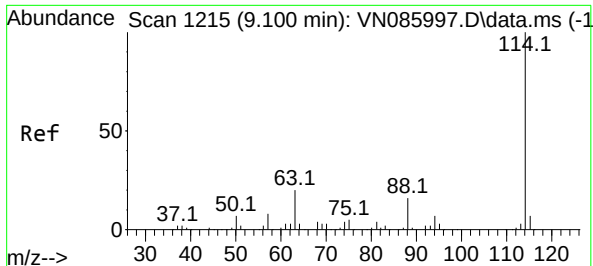
Tgt Ion: 56 Resp: 2873
Ion Ratio Lower Upper
56 100
69 178.3 28.0 42.0#
84 171.9 75.0 112.6#



#33
1,2-Dichloroethane-d4
Concen: 58.170 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

Tgt Ion: 65 Resp: 106454
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086027.D

Acq: 20 Mar 2025 16:12

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBL01

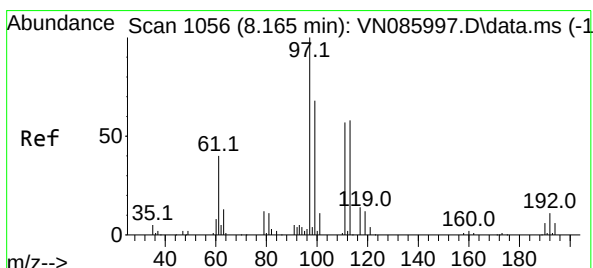
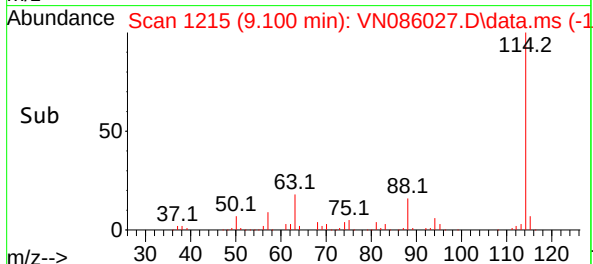
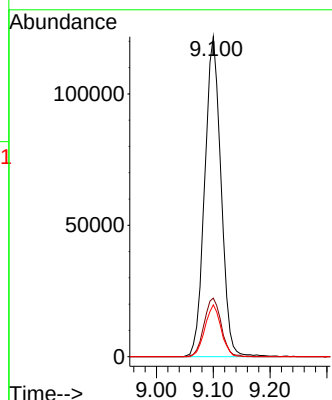
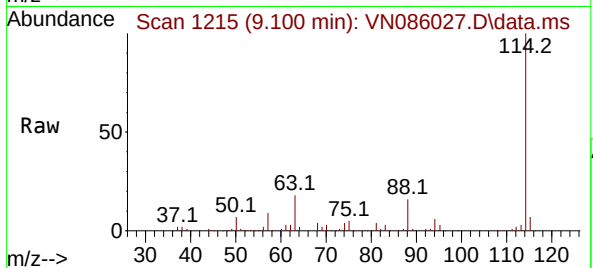
Tgt Ion:114 Resp: 242254

Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.6

88 16.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 54.773 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086027.D

Acq: 20 Mar 2025 16:12

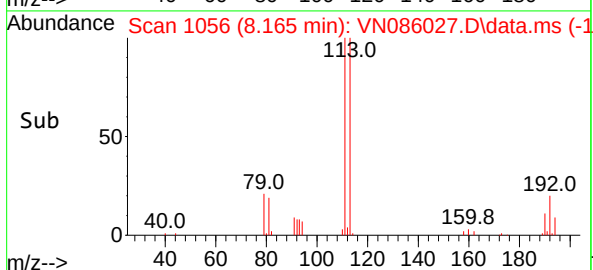
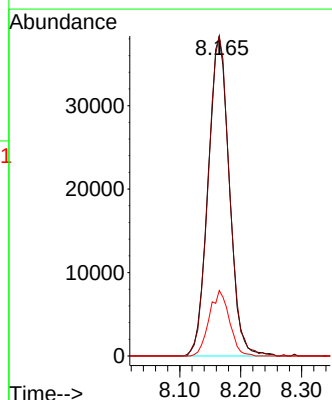
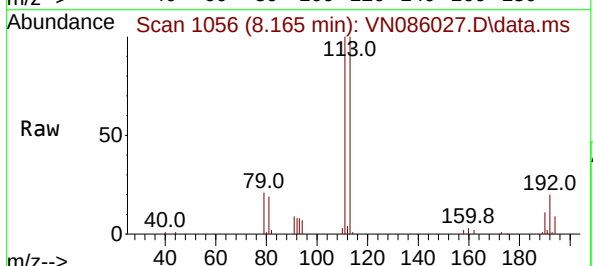
Tgt Ion:113 Resp: 92615

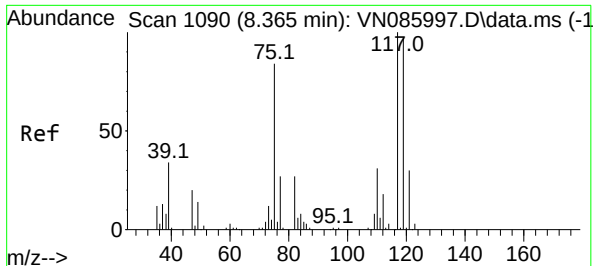
Ion Ratio Lower Upper

113 100

111 100.1 81.8 122.8

192 19.4 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.828 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086027.D

Acq: 20 Mar 2025 16:12

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBL01

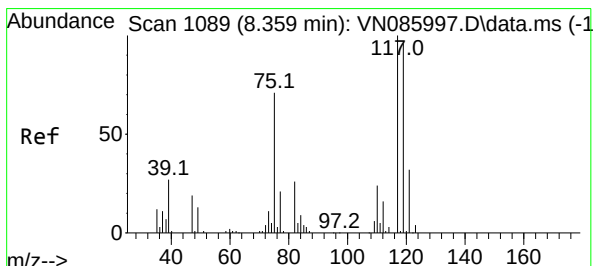
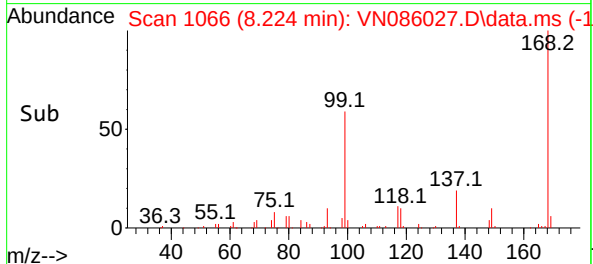
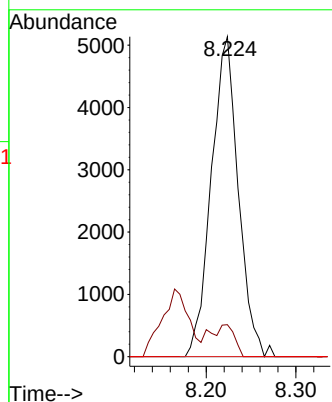
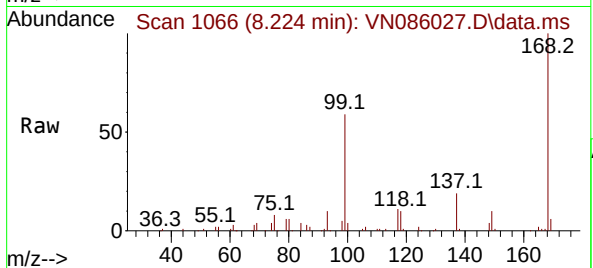
Tgt Ion: 75 Resp: 10749

Ion Ratio Lower Upper

75 100

110 9.0 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 4.979 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.136 min

Lab File: VN086027.D

Acq: 20 Mar 2025 16:12

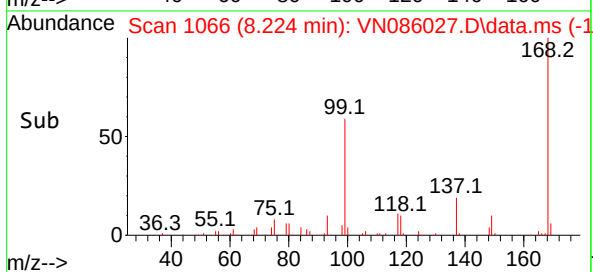
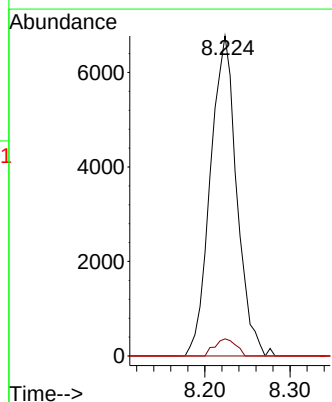
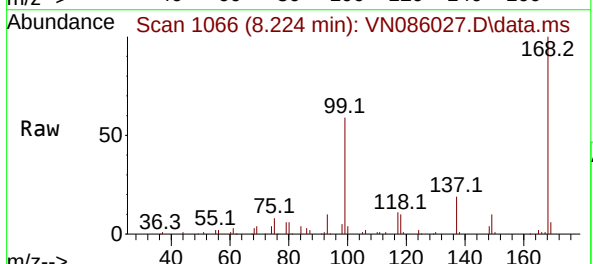
Tgt Ion: 117 Resp: 14575

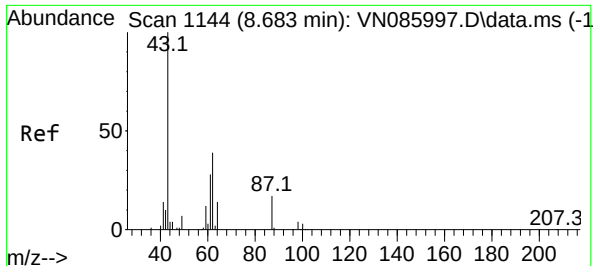
Ion Ratio Lower Upper

117 100

119 5.4 77.0 115.4#

121 0.0 25.6 38.4#





#43

Isopropyl Acetate

Concen: 0.333 ug/l

RT: 8.671 min Scan# 1144

Delta R.T. -0.012 min

Lab File: VN086027.D

Acq: 20 Mar 2025 16:12

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBL01

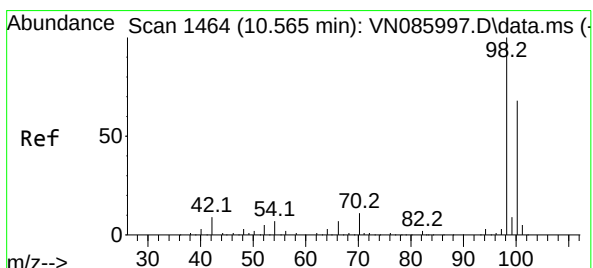
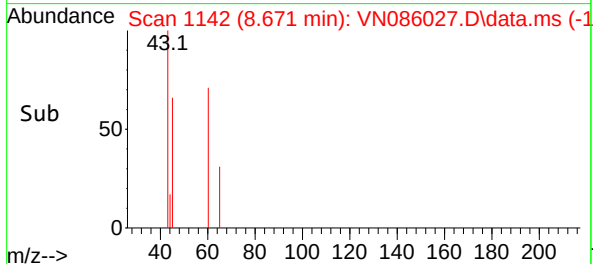
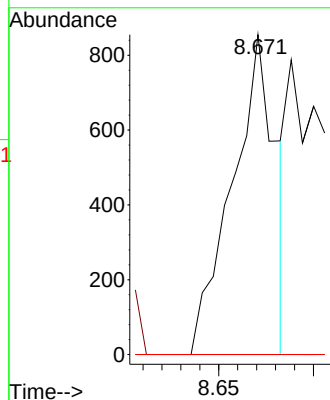
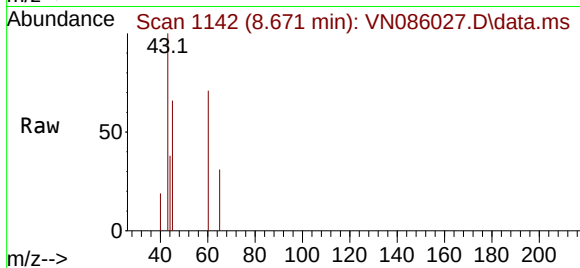
Tgt Ion: 43 Resp: 1355

Ion Ratio Lower Upper

43 100

61 0.0 25.0 37.6#

87 0.0 13.0 19.4#



#50

Toluene-d8

Concen: 48.565 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086027.D

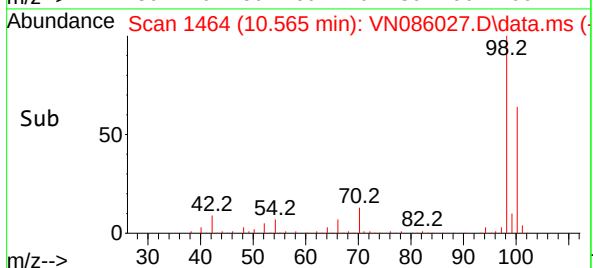
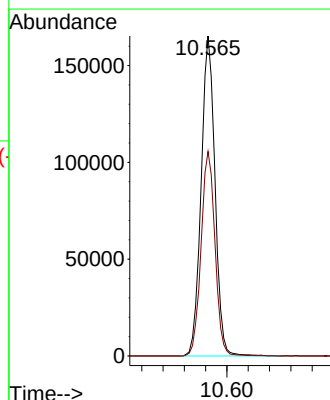
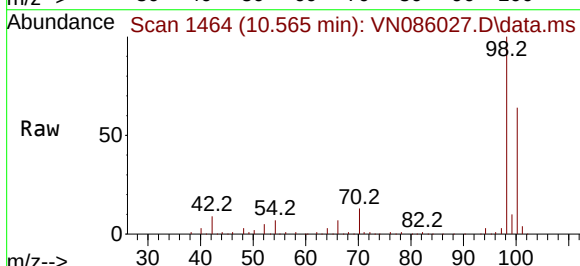
Acq: 20 Mar 2025 16:12

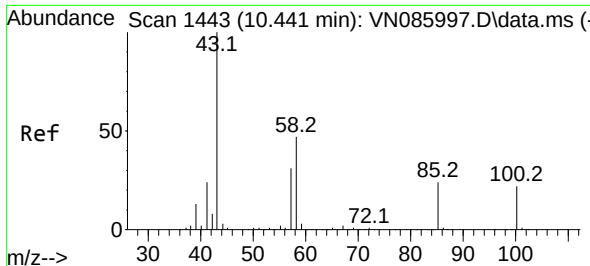
Tgt Ion: 98 Resp: 298035

Ion Ratio Lower Upper

98 100

100 64.2 53.1 79.7

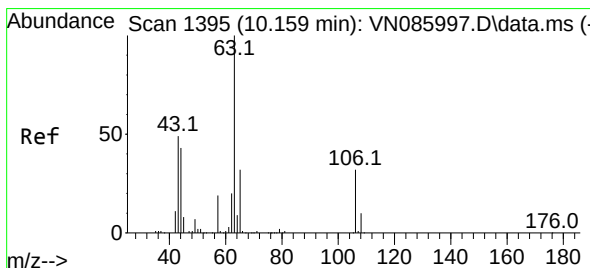
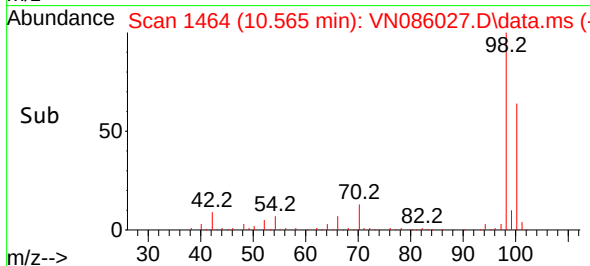
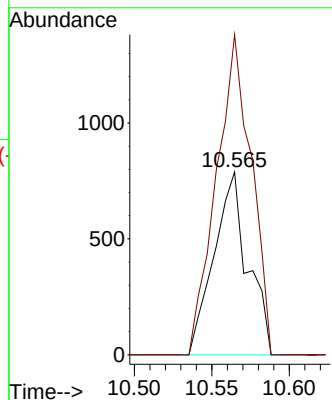
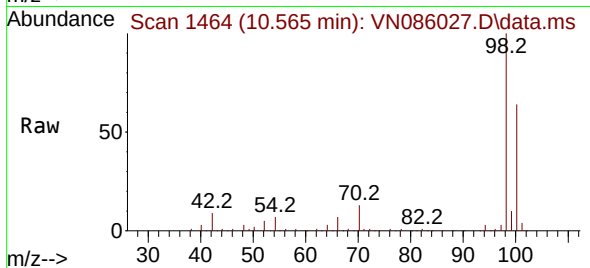




#51
4-Methyl-2-Pentanone
Concen: 0.666 ug/l
RT: 10.565 min Scan# 1443
Delta R.T. 0.123 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

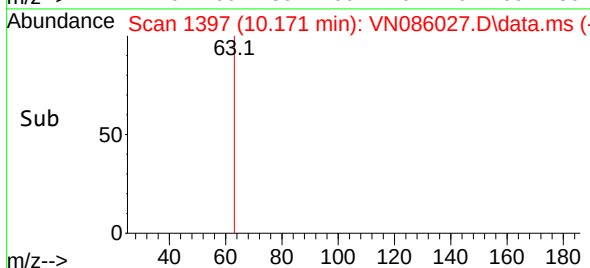
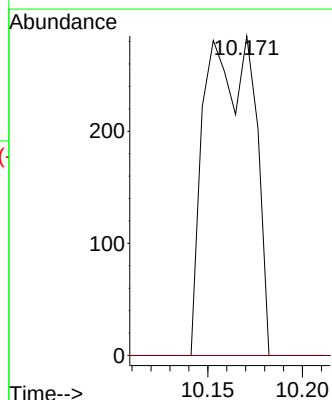
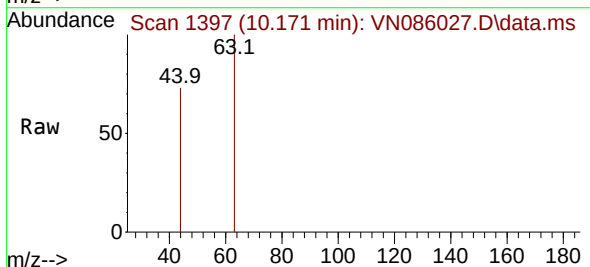
Instrument :
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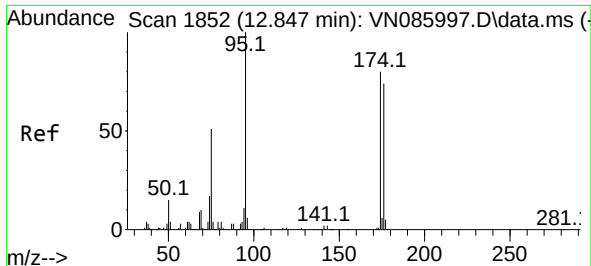
Tgt Ion: 43 Resp: 1195
Ion Ratio Lower Upper
43 100
58 181.5 37.4 56.0#



#58
2-Chloroethyl Vinyl ether
Concen: 4.095 ug/l
RT: 10.171 min Scan# 1397
Delta R.T. 0.012 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

Tgt Ion: 63 Resp: 515
Ion Ratio Lower Upper
63 100
106 0.0 25.0 37.6#

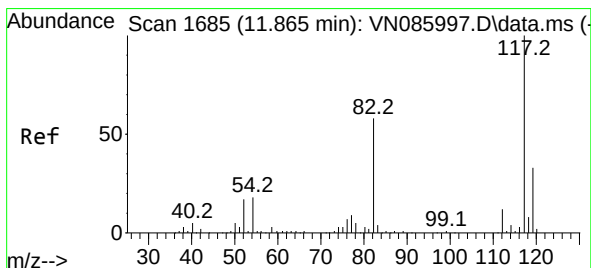
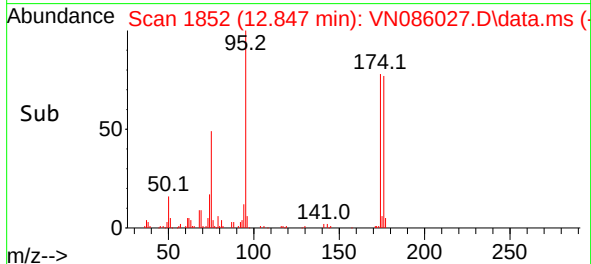
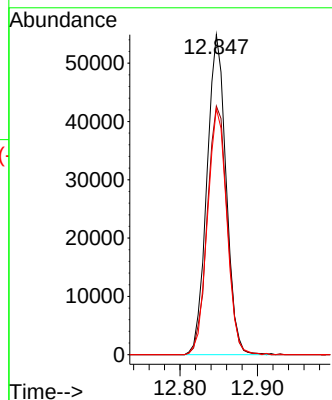
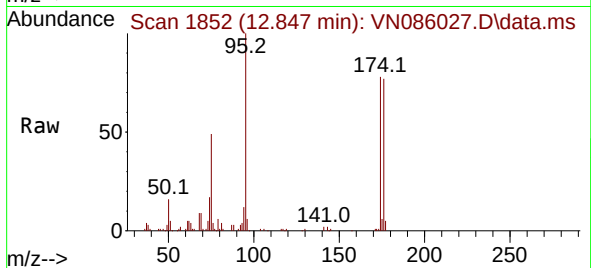




#62
4-Bromofluorobenzene
Concen: 43.040 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

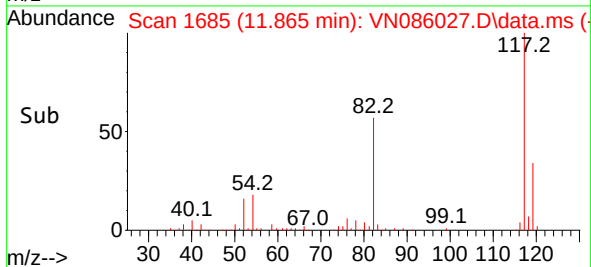
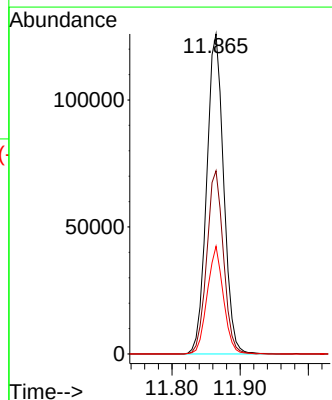
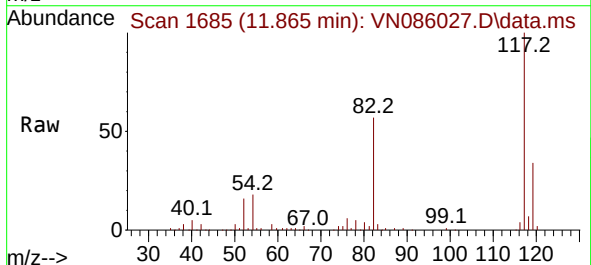
Instrument :
MSVOA_N
ClientSampleId :
VN0320WBL01

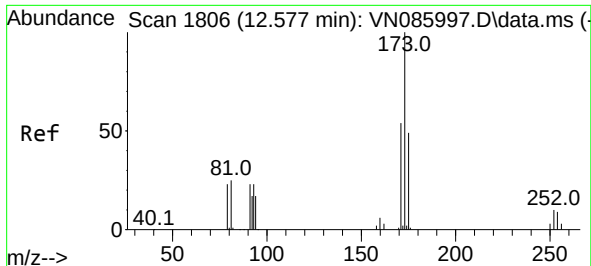
Tgt Ion: 95 Resp: 94197
Ion Ratio Lower Upper
95 100
174 80.6 0.0 156.8
176 77.8 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

Tgt Ion: 117 Resp: 218780
Ion Ratio Lower Upper
117 100
82 57.3 46.7 70.1
119 33.7 26.5 39.7

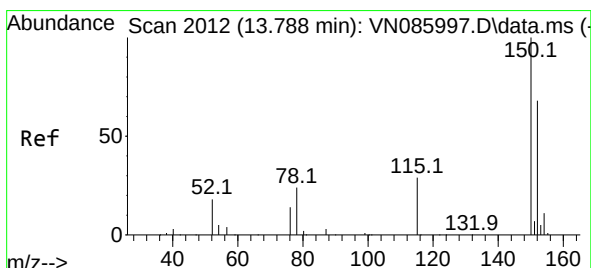
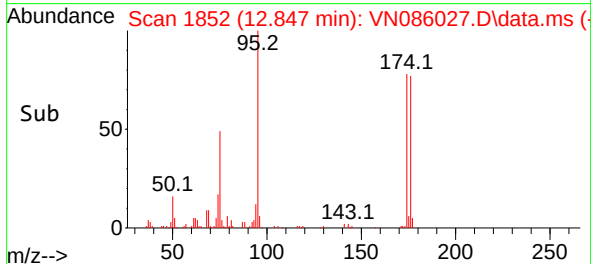
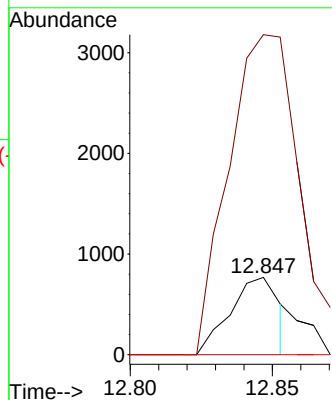
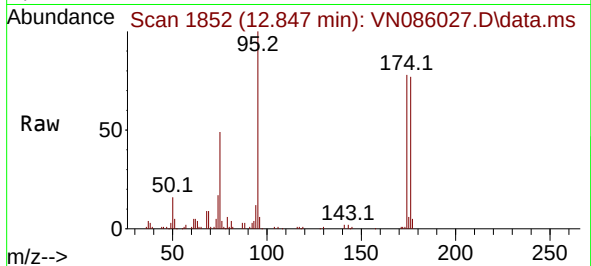




#71
Bromoform
Concen: 0.595 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.270 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

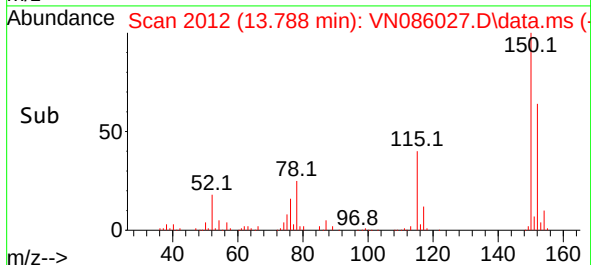
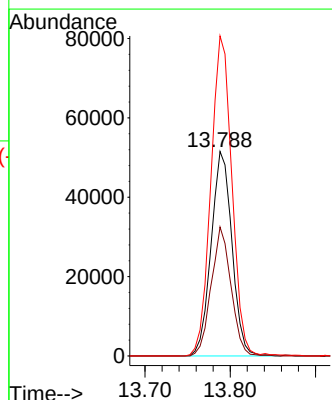
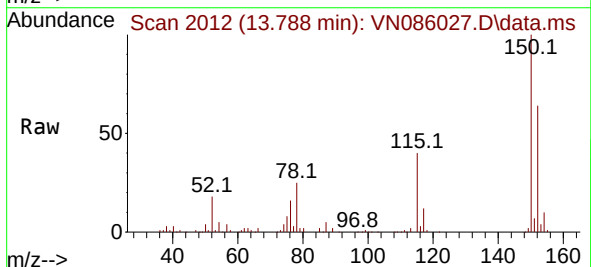
Instrument :
MSVOA_N
ClientSampleId :
VN0320WBL01

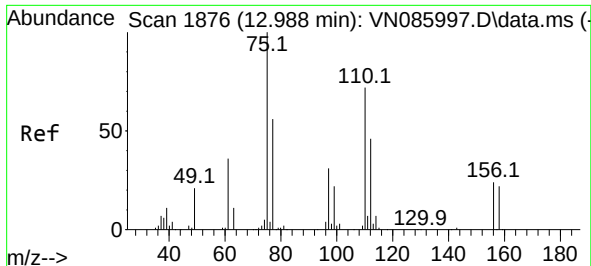
Tgt Ion:173 Resp: 925
Ion Ratio Lower Upper
173 100
175 470.9 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

Tgt Ion:152 Resp: 87559
Ion Ratio Lower Upper
152 100
115 59.9 31.1 93.2
150 158.0 0.0 359.6

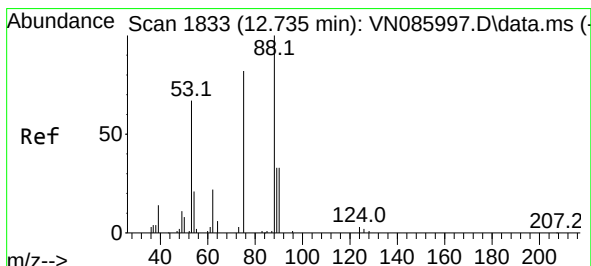
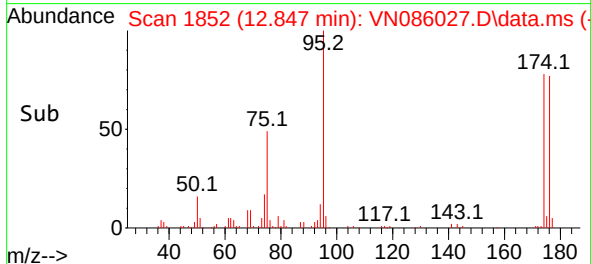
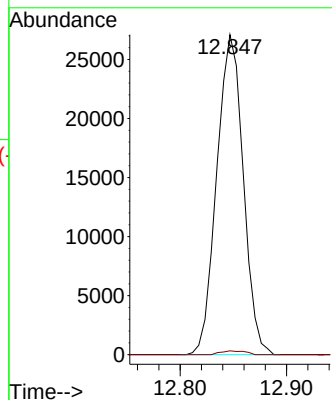
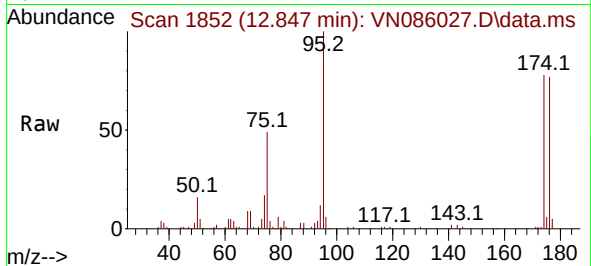




#76
1,2,3-Trichloropropane
Concen: 23.860 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

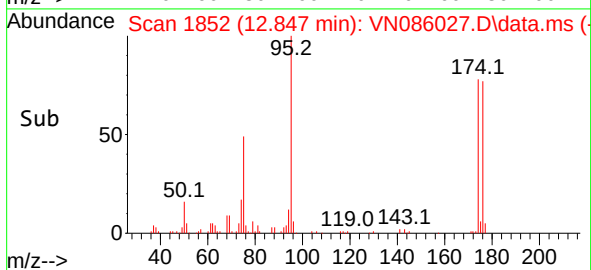
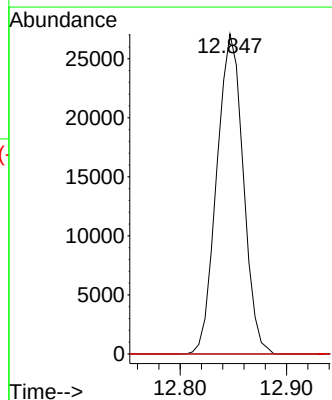
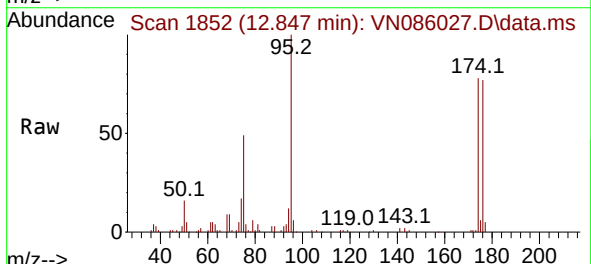
Instrument :
MSVOA_N
ClientSampleId :
VN0320WBL01

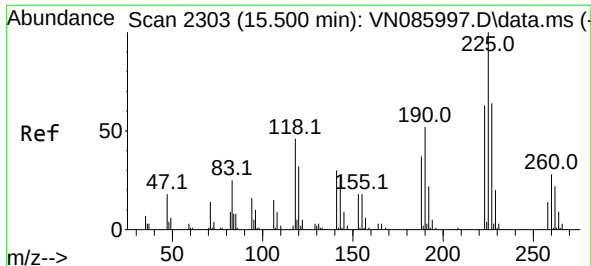
Tgt Ion: 75 Resp: 46772
Ion Ratio Lower Upper
75 100
77 1.1 83.7 251.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.081 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

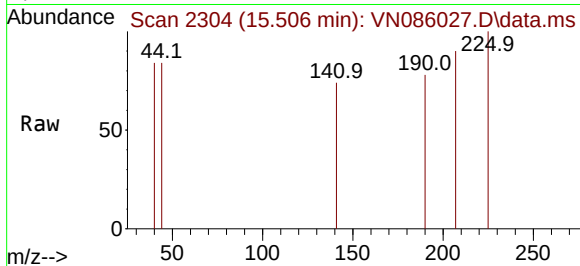
Tgt Ion: 75 Resp: 46772
Ion Ratio Lower Upper
75 100
53 0.0 66.0 99.0#
89 0.0 36.9 55.3#



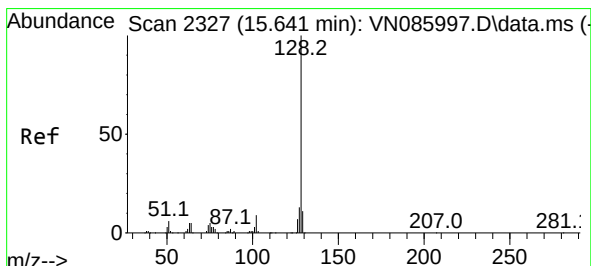
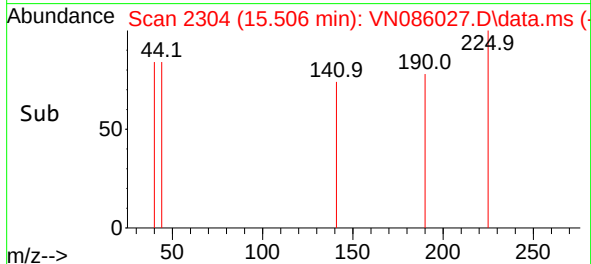
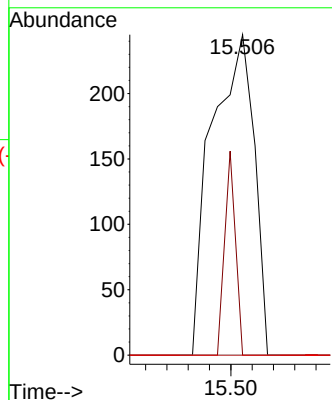


#94
Hexachlorobutadiene
Concen: 0.388 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBL01



Tgt Ion:225 Resp: 338
Ion Ratio Lower Upper
225 100
223 16.3 31.3 93.9#
227 0.0 32.1 96.3#



#95
Naphthalene
Concen: 0.304 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

Tgt Ion:128 Resp: 1321
Ion Ratio Lower Upper
128 100
127 8.6 10.2 15.4#
129 0.0 9.0 13.6#

