

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052025\
 Data File : VN086708.D
 Acq On : 20 May 2025 11:15
 Operator : JC\MD
 Sample : VN0520WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBL01

Quant Time: May 21 01:41:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

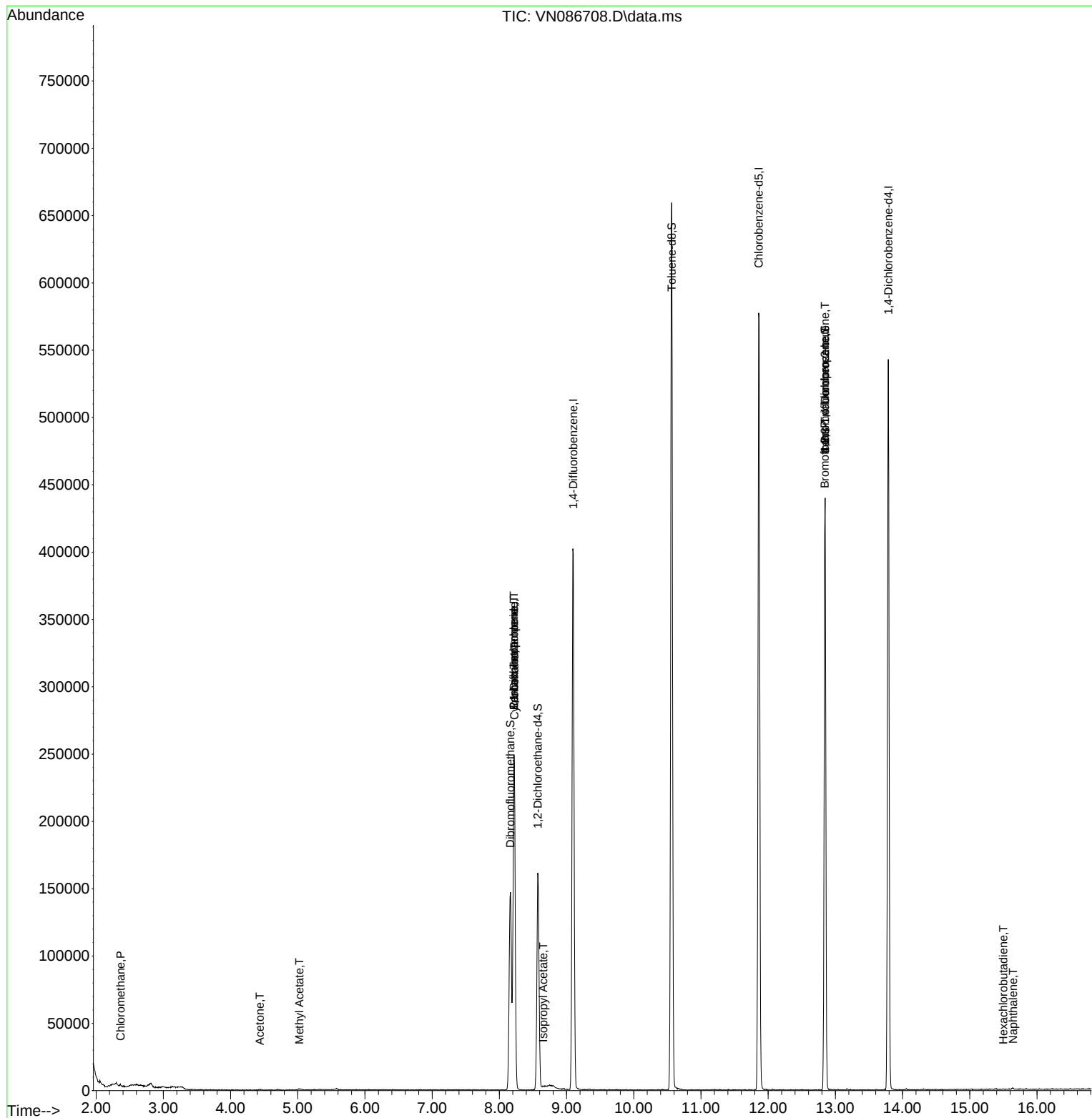
Internal Standards						
1) Pentafluorobenzene	8.218	168	186714	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	362119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	350316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	148008	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	132562	51.380	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.760%	
35) Dibromofluoromethane	8.165	113	114436	53.064	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.120%	
50) Toluene-d8	10.565	98	473676	53.002	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.000%	
62) 4-Bromofluorobenzene	12.847	95	165798	52.541	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.080%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	944	0.310	ug/l	97
16) Acetone	4.436	43	970	1.005	ug/l #	42
18) Methyl Acetate	5.024	43	915	0.339	ug/l #	63
31) Cyclohexane	8.224	56	3908	1.009	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	15486	4.868	ug/l #	48
38) Carbon Tetrachloride	8.218	117	18877	6.023	ug/l #	16
43) Isopropyl Acetate	8.653	43	1584	0.246	ug/l #	54
71) Bromoform	12.841	173	835	0.473	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	83451	24.931	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	83451	62.916	ug/l #	15
94) Hexachlorobutadiene	15.500	225	191	0.230	ug/l #	56
95) Naphthalene	15.647	128	1643	0.237	ug/l #	70

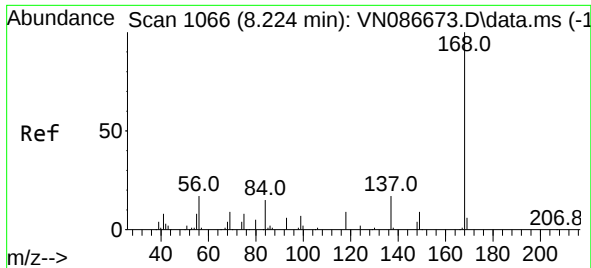
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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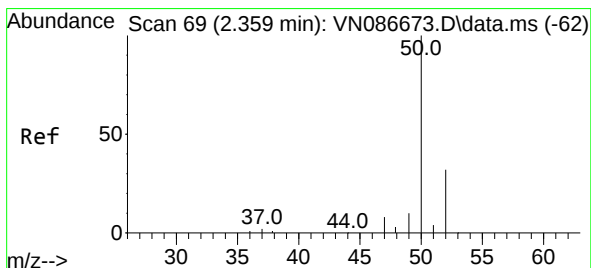
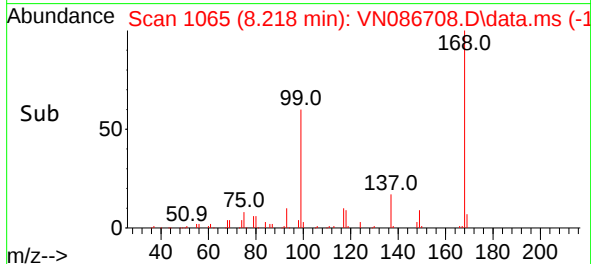
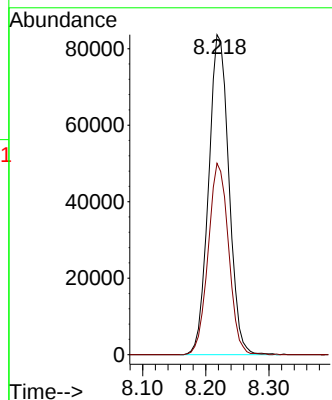
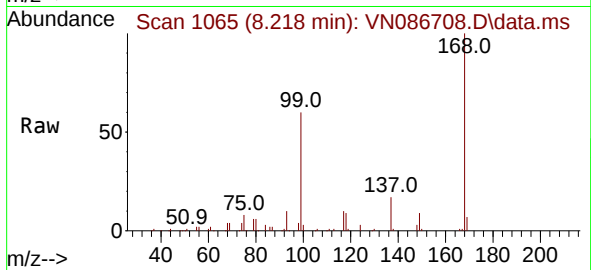




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086708.D
Acq: 20 May 2025 11:15

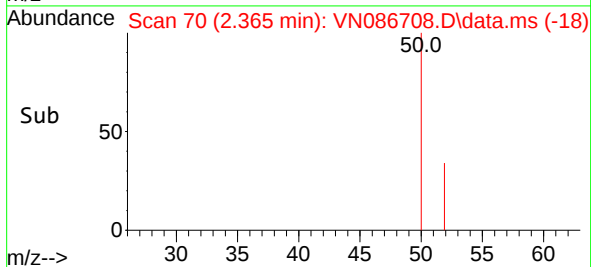
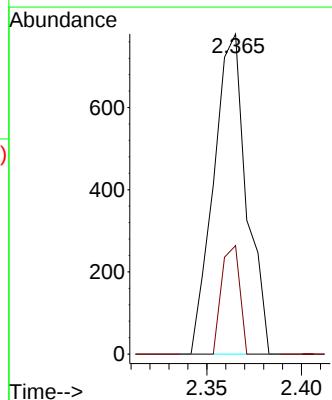
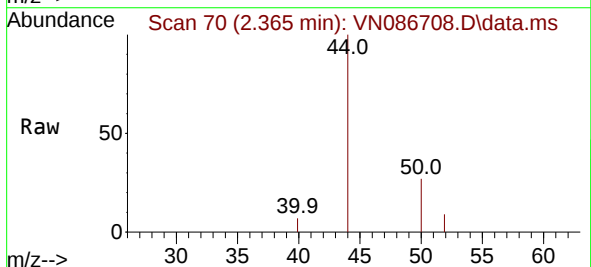
Instrument :
MSVOA_N
ClientSampleId :
VN0520WBL01

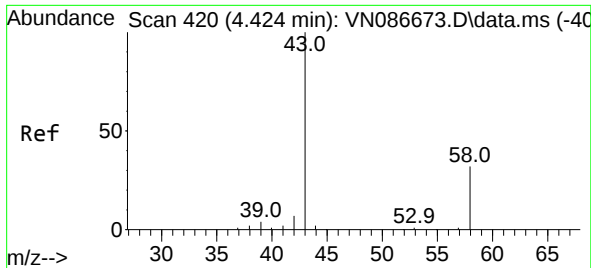
Tgt Ion:168 Resp: 186714
Ion Ratio Lower Upper
168 100
99 59.8 47.0 70.4



#3
Chloromethane
Concen: 0.310 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086708.D
Acq: 20 May 2025 11:15

Tgt Ion: 50 Resp: 944
Ion Ratio Lower Upper
50 100
52 33.9 25.9 38.9

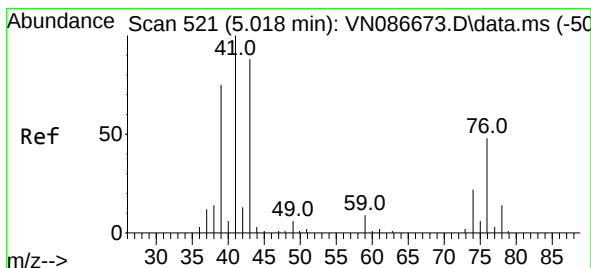
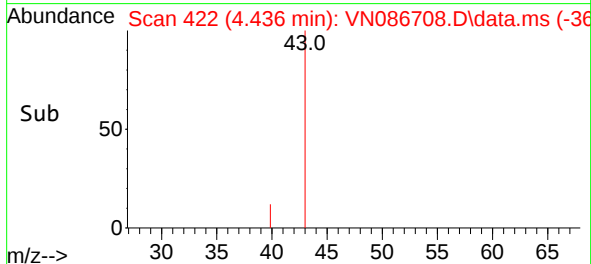
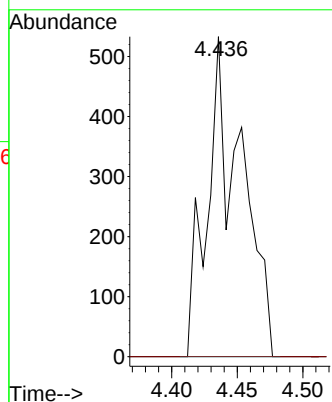
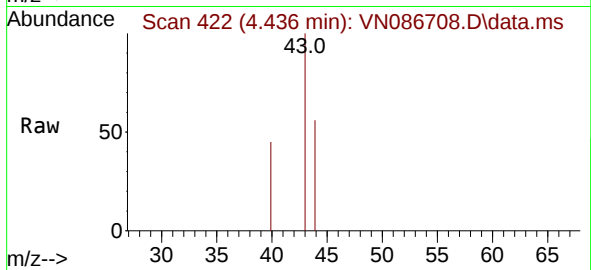




#16
 Acetone
 Concen: 1.005 ug/l
 RT: 4.436 min Scan# 41
 Delta R.T. 0.012 min
 Lab File: VN086708.D
 Acq: 20 May 2025 11:15

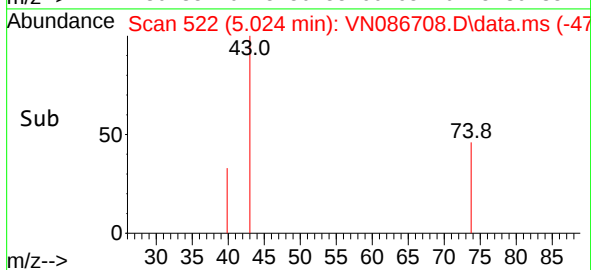
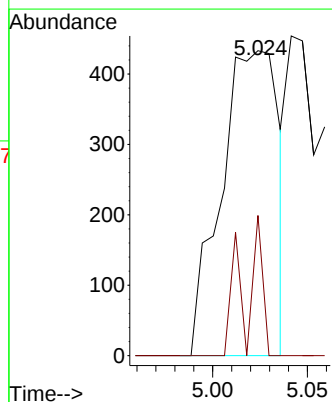
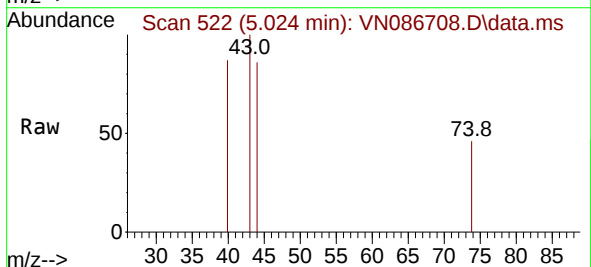
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBL01

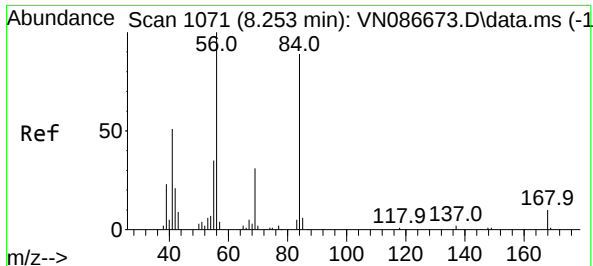
Tgt Ion: 43 Resp: 970
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.8 38.6#



#18
 Methyl Acetate
 Concen: 0.339 ug/l
 RT: 5.024 min Scan# 522
 Delta R.T. 0.006 min
 Lab File: VN086708.D
 Acq: 20 May 2025 11:15

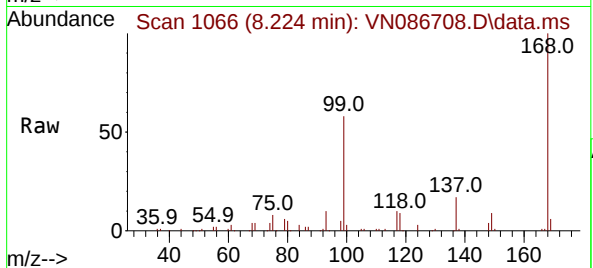
Tgt Ion: 43 Resp: 915
 Ion Ratio Lower Upper
 43 100
 74 6.8 20.5 30.7#



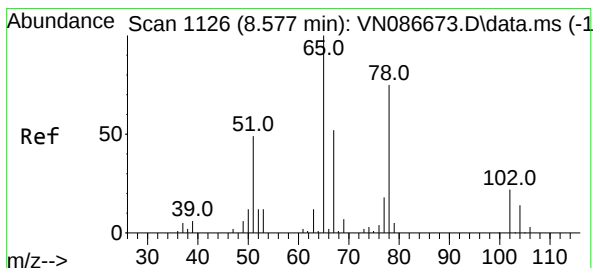
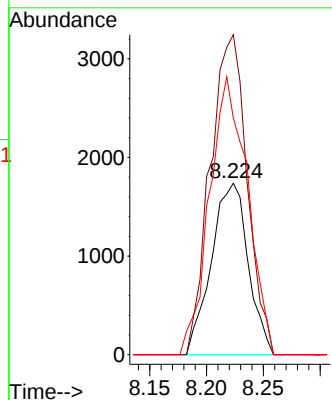
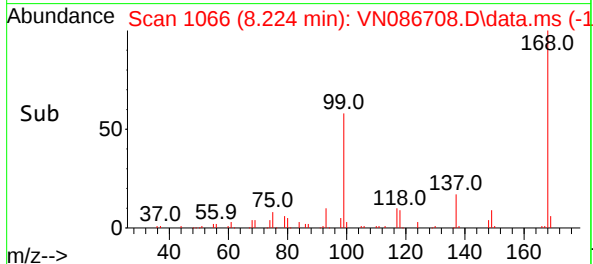


#31
Cyclohexane
Concen: 1.009 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086708.D
Acq: 20 May 2025 11:15

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBL01

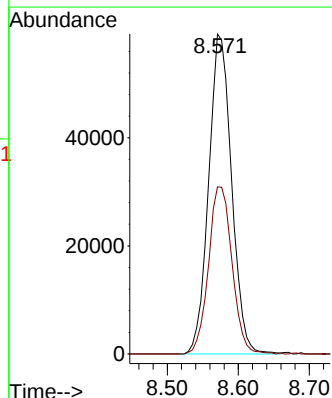
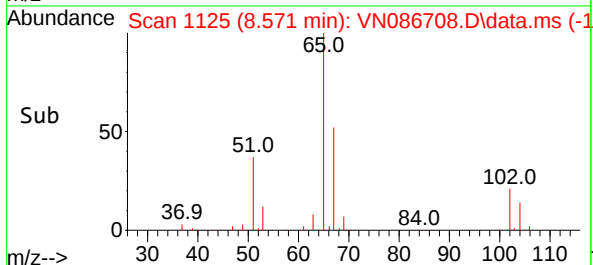
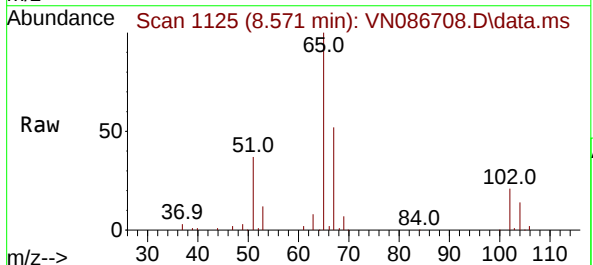


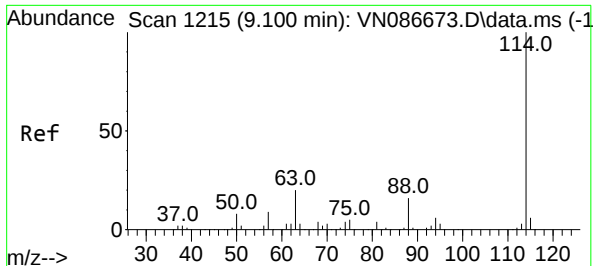
Tgt Ion: 56 Resp: 3908
Ion Ratio Lower Upper
56 100
69 186.6 25.0 37.6#
84 138.1 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 51.380 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN086708.D
Acq: 20 May 2025 11:15

Tgt Ion: 65 Resp: 132562
Ion Ratio Lower Upper
65 100
67 53.7 0.0 106.4

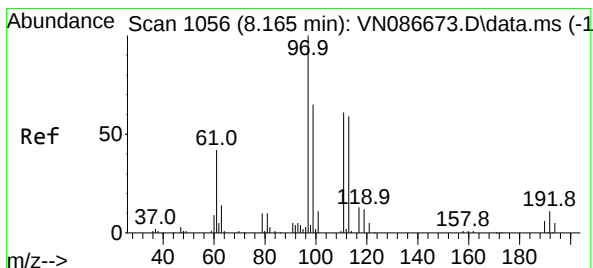
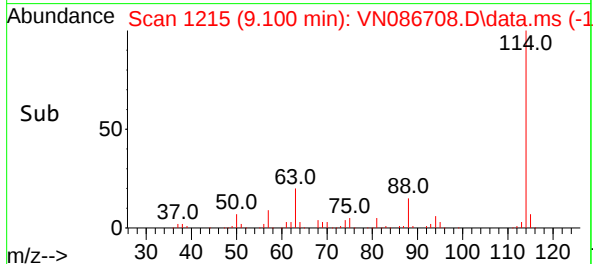
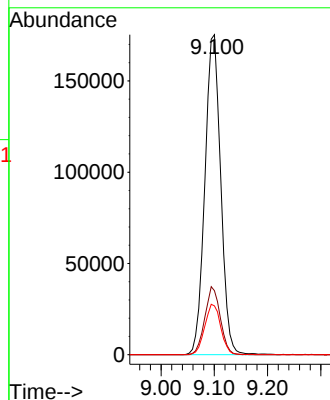
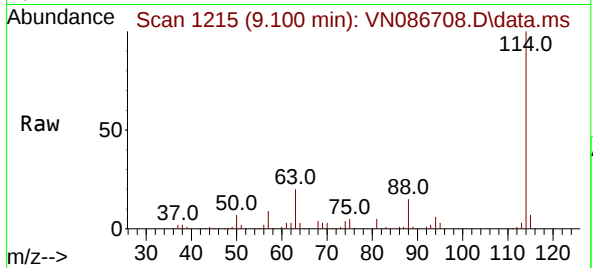




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086708.D
Acq: 20 May 2025 11:15

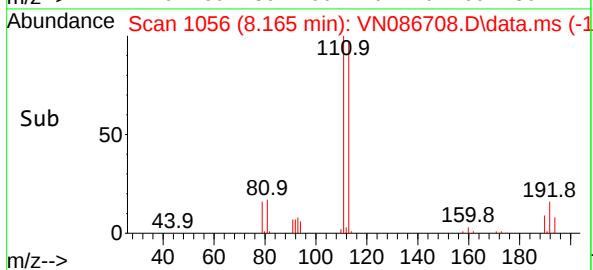
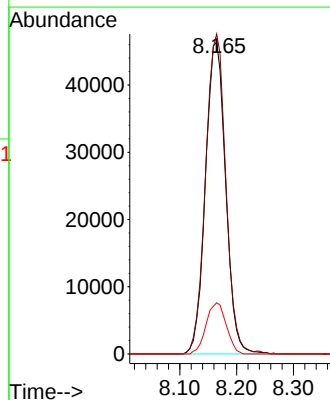
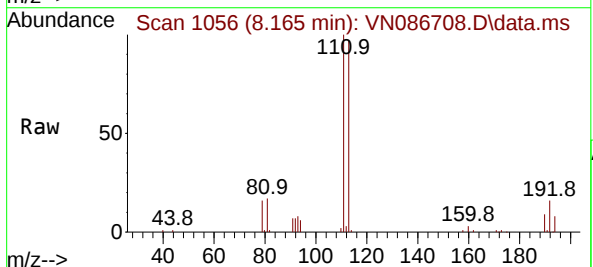
Instrument :
MSVOA_N
ClientSampleId :
VN0520WBL01

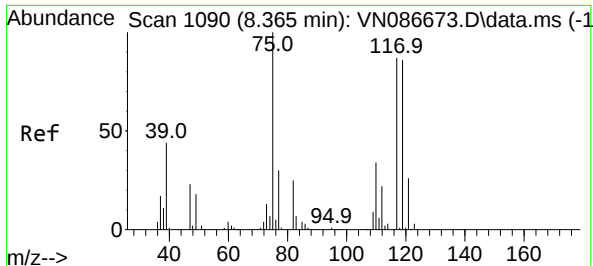
Tgt Ion:114 Resp: 362119
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.2
88 15.3 0.0 31.2



#35
Dibromofluoromethane
Concen: 53.064 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086708.D
Acq: 20 May 2025 11:15

Tgt Ion:113 Resp: 114436
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 16.3 13.8 20.8





#36

1,1-Dichloropropene

Concen: 4.868 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086708.D

Acq: 20 May 2025 11:15

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBL01

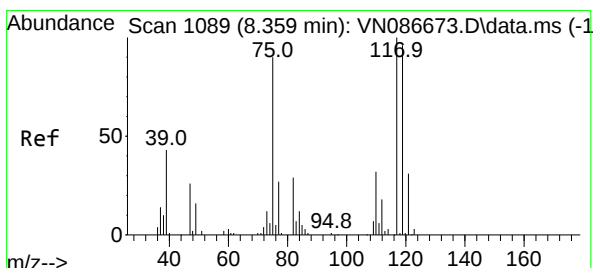
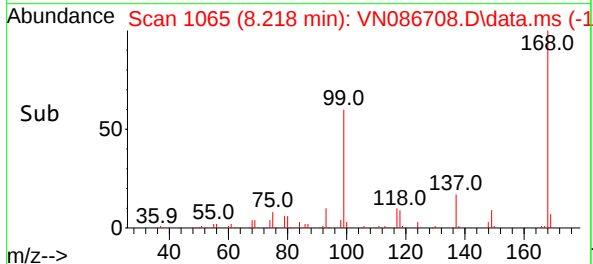
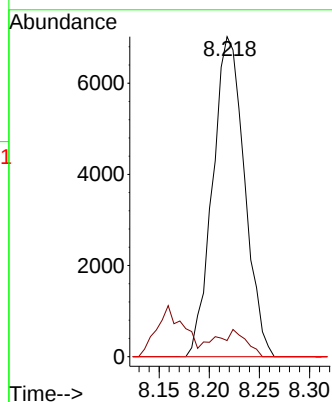
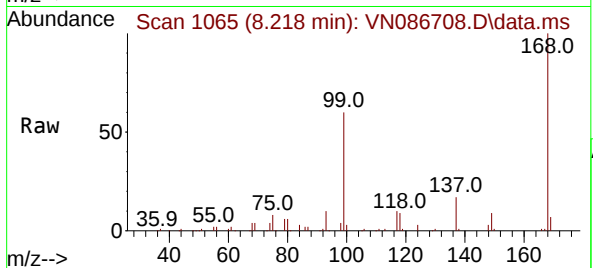
Tgt Ion: 75 Resp: 15486

Ion Ratio Lower Upper

75 100

110 7.0 17.5 52.5#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.023 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN086708.D

Acq: 20 May 2025 11:15

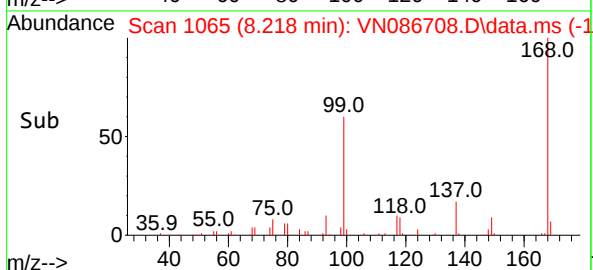
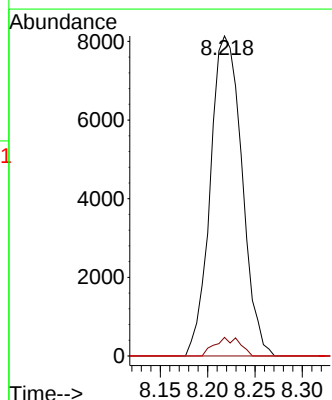
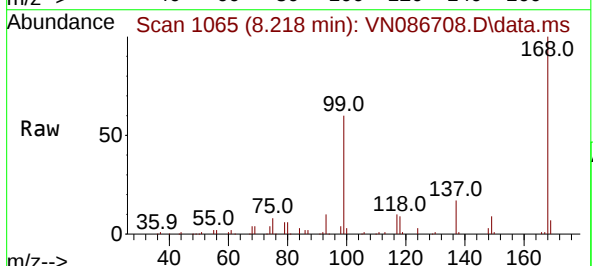
Tgt Ion: 117 Resp: 18877

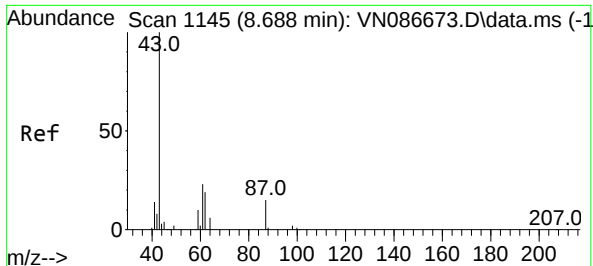
Ion Ratio Lower Upper

117 100

119 5.8 77.0 115.6#

121 0.0 25.0 37.6#

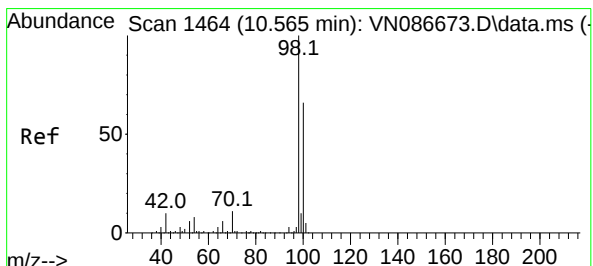
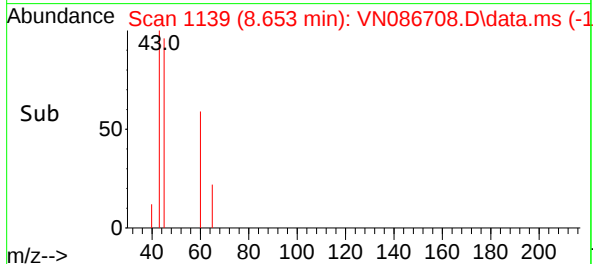
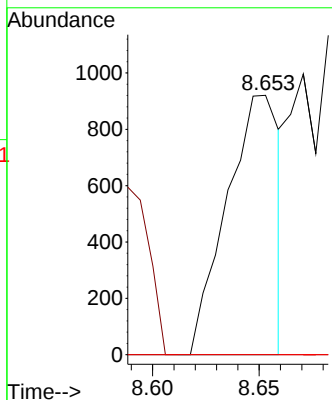
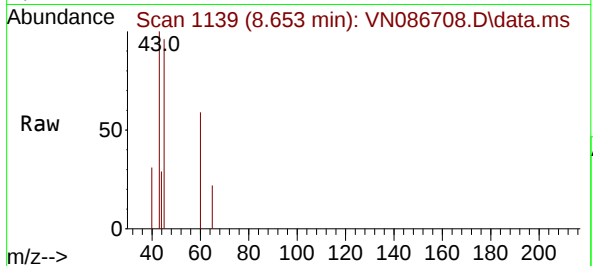




#43
Isopropyl Acetate
Concen: 0.246 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. -0.035 min
Lab File: VN086708.D
Acq: 20 May 2025 11:15

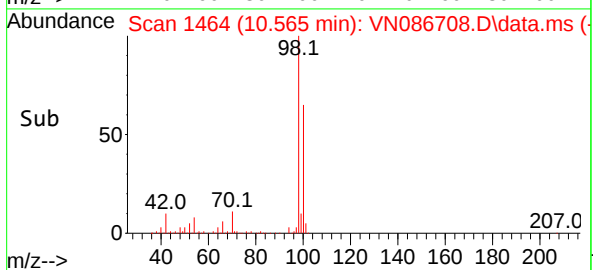
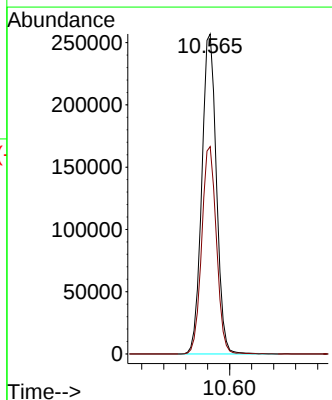
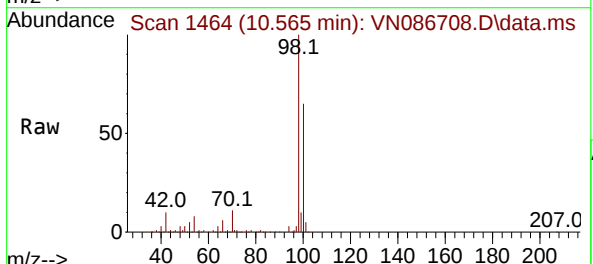
Instrument :
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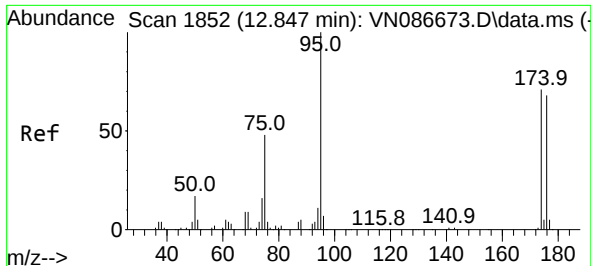
Tgt Ion: 43 Resp: 1584
Ion Ratio Lower Upper
43 100
61 0.0 21.4 32.2#
87 0.0 11.1 16.7#



#50
Toluene-d8
Concen: 53.002 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086708.D
Acq: 20 May 2025 11:15

Tgt Ion: 98 Resp: 473676
Ion Ratio Lower Upper
98 100
100 65.2 52.9 79.3

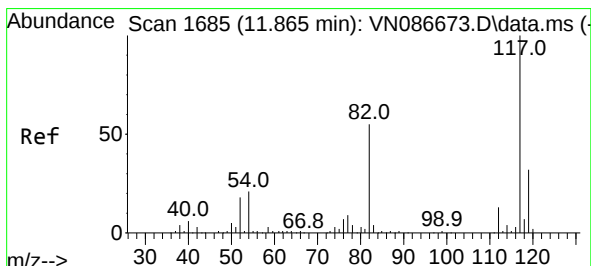
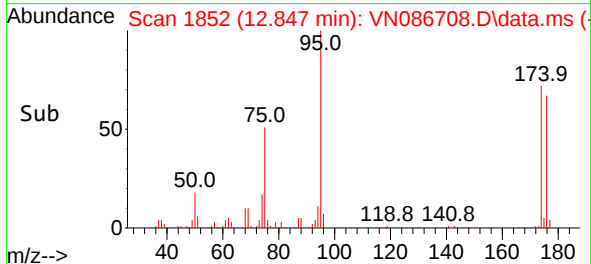
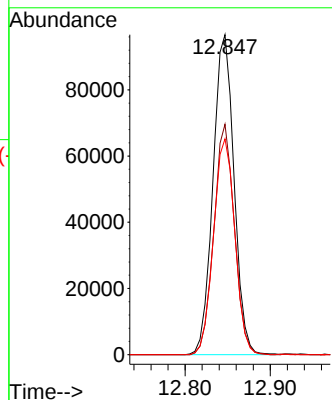
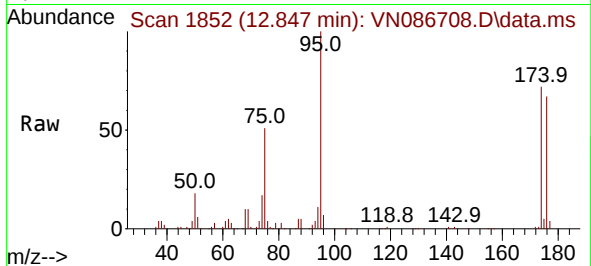




#62
4-Bromofluorobenzene
Concen: 52.541 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086708.D
Acq: 20 May 2025 11:15

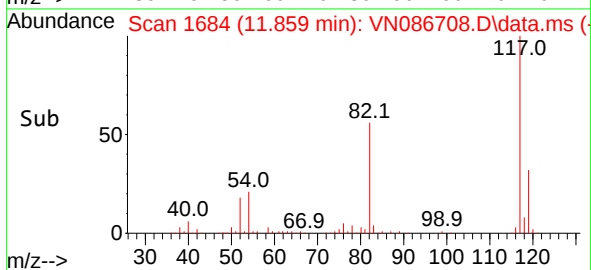
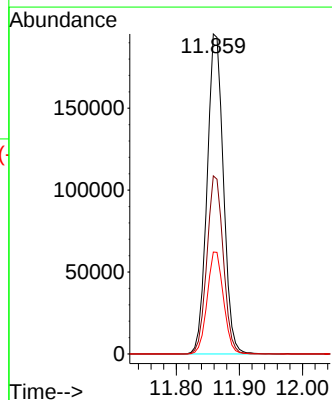
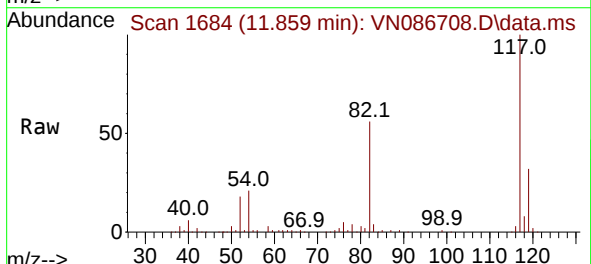
Instrument :
MSVOA_N
ClientSampleId :
VN0520WBL01

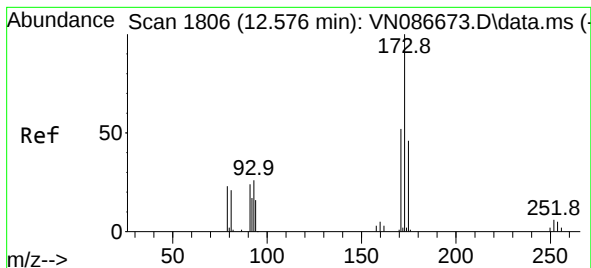
Tgt Ion: 95 Resp: 165798
Ion Ratio Lower Upper
95 100
174 70.2 0.0 145.4
176 68.4 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VN086708.D
Acq: 20 May 2025 11:15

Tgt Ion: 117 Resp: 350316
Ion Ratio Lower Upper
117 100
82 55.6 44.2 66.2
119 31.9 25.4 38.2





#71

Bromoform

Concen: 0.473 ug/l

RT: 12.841 min Scan# 1806

Delta R.T. 0.265 min

Lab File: VN086708.D

Acq: 20 May 2025 11:15

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBL01

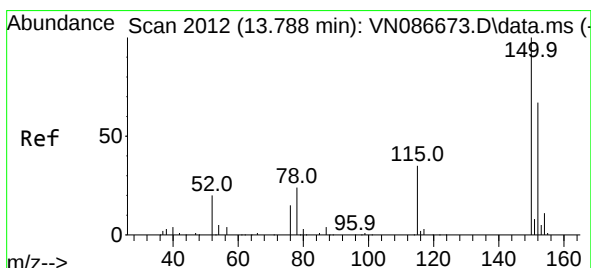
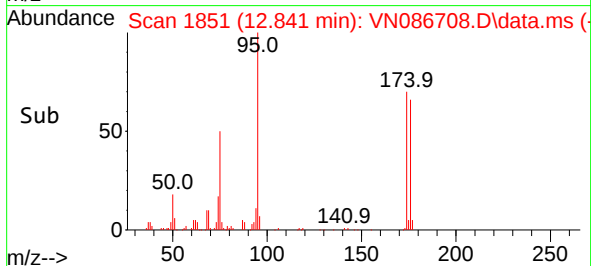
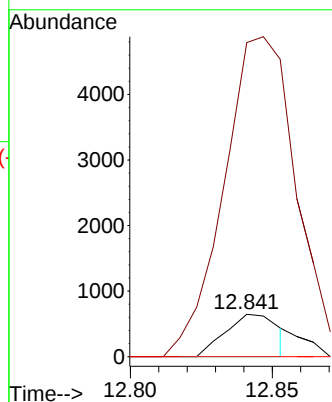
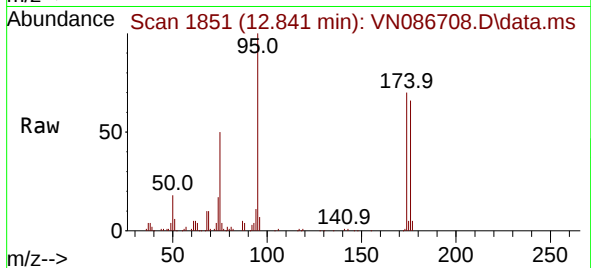
Tgt Ion:173 Resp: 835

Ion Ratio Lower Upper

173 100

175 849.5 23.4 70.2#

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: VN086708.D

Acq: 20 May 2025 11:15

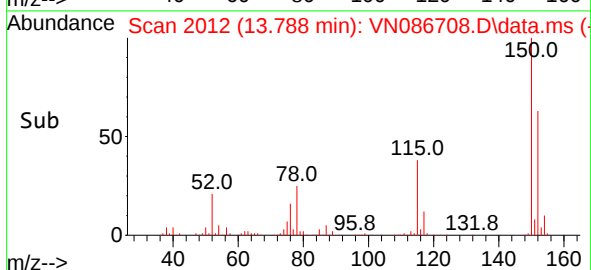
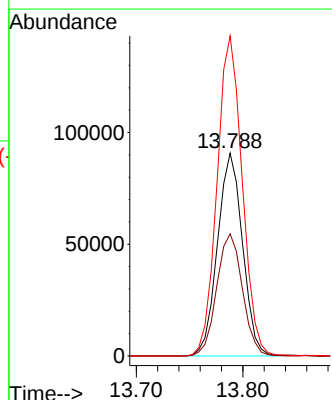
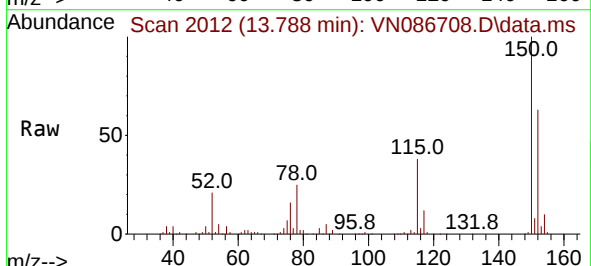
Tgt Ion:152 Resp: 148008

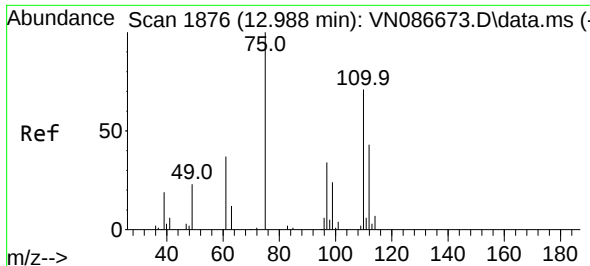
Ion Ratio Lower Upper

152 100

115 61.7 30.0 90.1

150 158.5 0.0 347.8

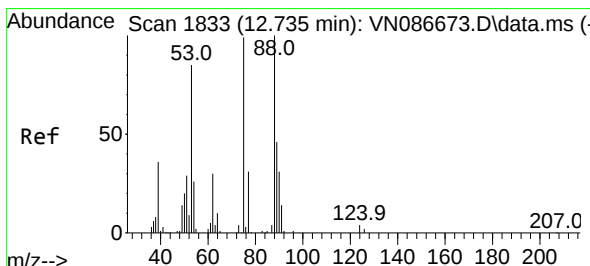
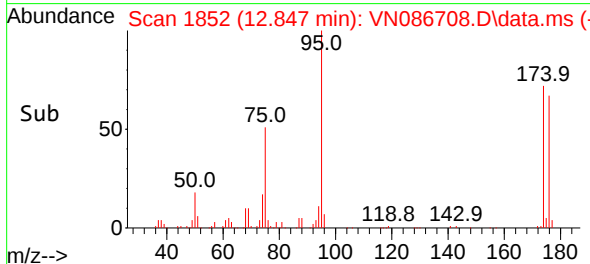
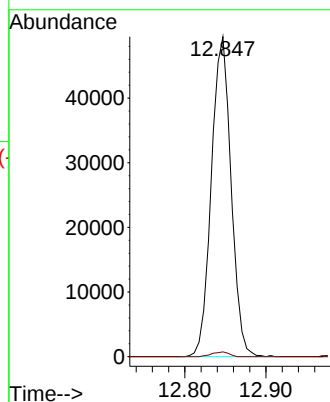
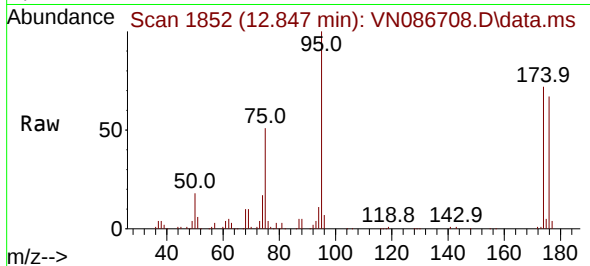




#76
1,2,3-Trichloropropane
Concen: 24.931 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086708.D
Acq: 20 May 2025 11:15

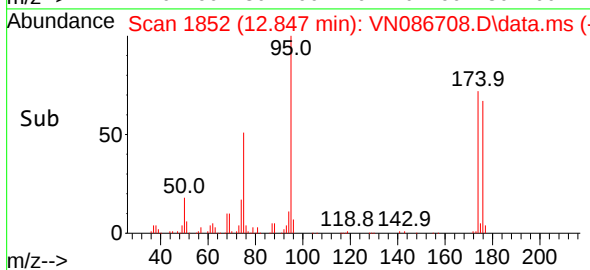
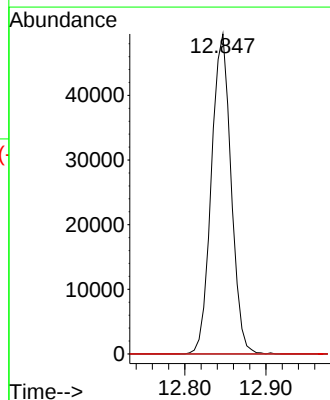
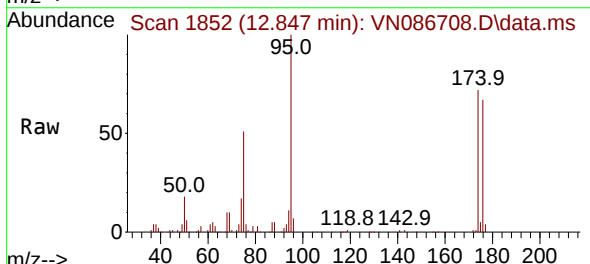
Instrument :
MSVOA_N
ClientSampleId :
VN0520WBL01

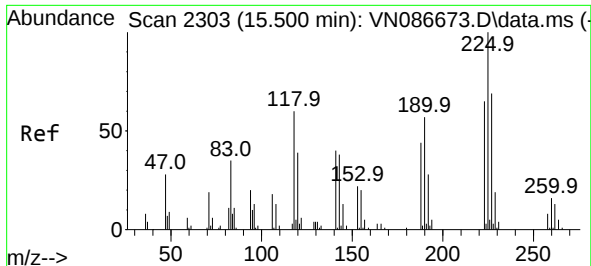
Tgt Ion: 75 Resp: 83451
Ion Ratio Lower Upper
75 100
77 1.3 96.0 288.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.916 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086708.D
Acq: 20 May 2025 11:15

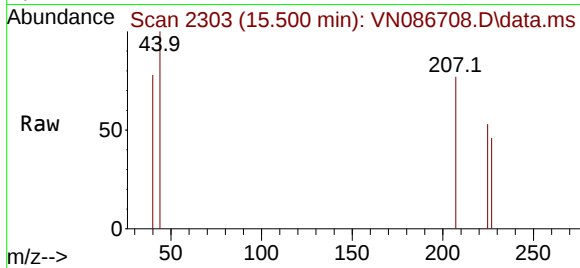
Tgt Ion: 75 Resp: 83451
Ion Ratio Lower Upper
75 100
53 0.0 70.4 105.6#
89 0.0 32.4 48.6#



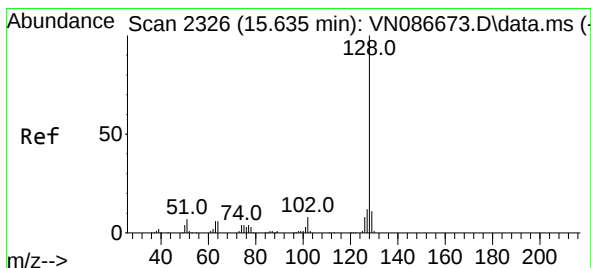
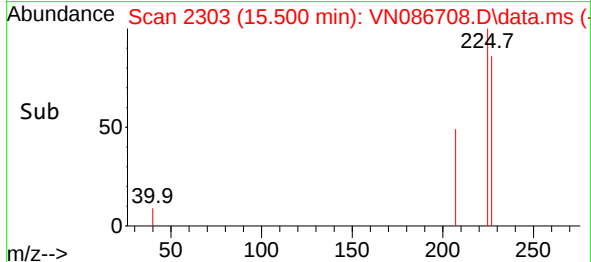
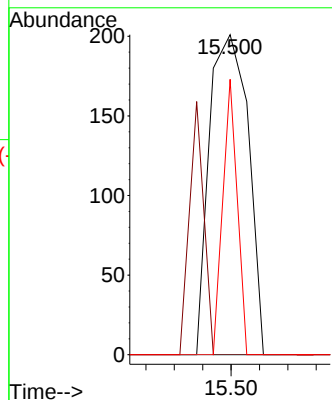


#94
Hexachlorobutadiene
Concen: 0.230 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086708.D
Acq: 20 May 2025 11:15

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBL01



Tgt Ion:225 Resp: 191
Ion Ratio Lower Upper
225 100
223 29.3 32.9 98.6#
227 31.9 32.4 97.2#



#95
Naphthalene
Concen: 0.237 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.012 min
Lab File: VN086708.D
Acq: 20 May 2025 11:15

Tgt Ion:128 Resp: 1643
Ion Ratio Lower Upper
128 100
127 0.0 10.1 15.1#
129 0.0 8.6 13.0#

