

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
 Data File : VN086724.D
 Acq On : 21 May 2025 12:08
 Operator : JC\MD
 Sample : VN0521WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521WBL01

Quant Time: May 22 01:20:02 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)

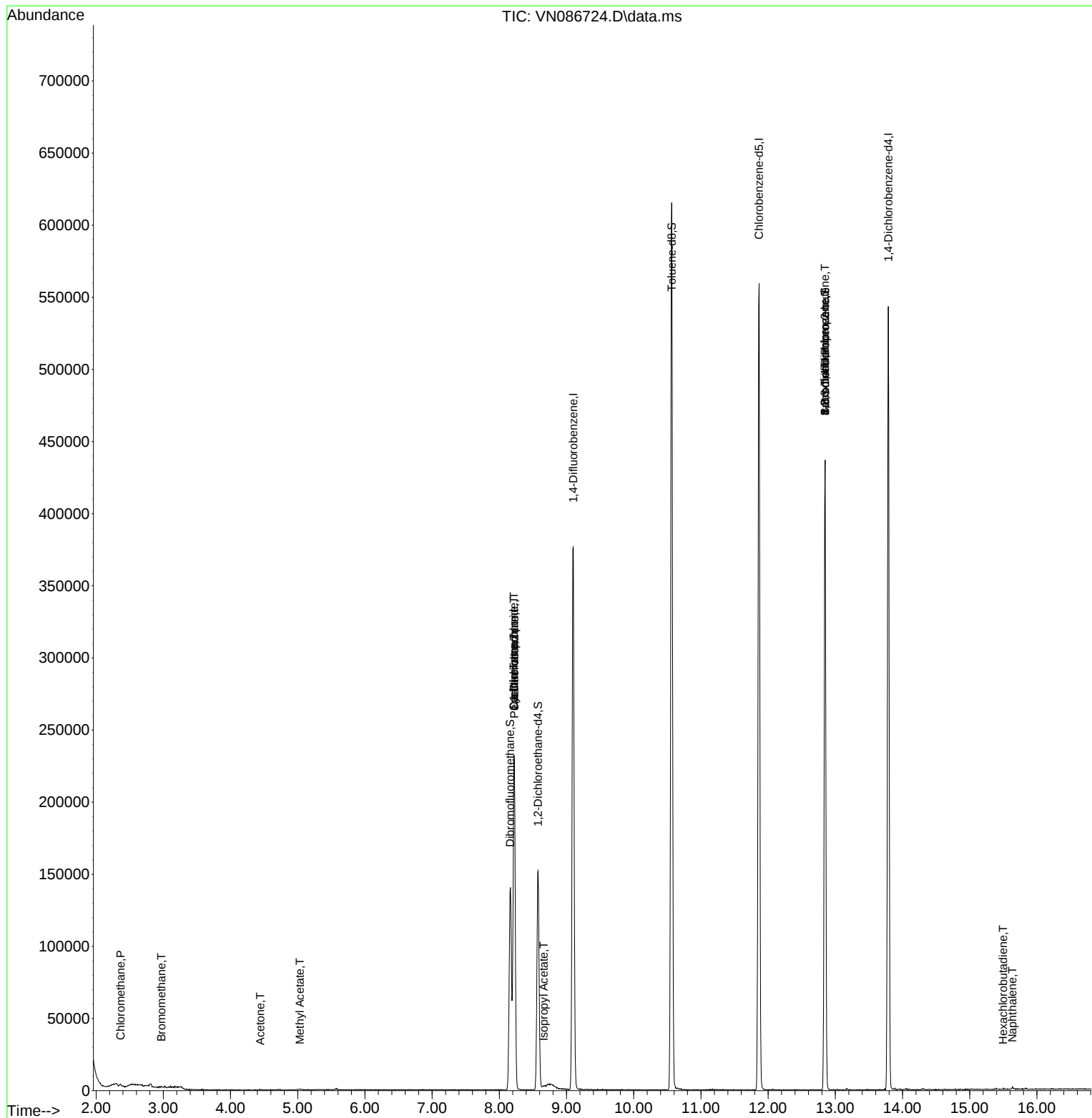
Internal Standards						
1) Pentafluorobenzene	8.224	168	174294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	341228	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	334894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	149145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127718	53.030	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.060%			
35) Dibromofluoromethane	8.159	113	108765	53.522	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.040%			
50) Toluene-d8	10.565	98	443056	52.611	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.220%			
62) 4-Bromofluorobenzene	12.847	95	161051	54.161	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.320%			
Target Compounds			Qvalue			
3) Chloromethane	2.365	50	1198	0.421	ug/l	97
5) Bromomethane	2.971	94	651	0.442	ug/l #	75
16) Acetone	4.442	43	717	0.796	ug/l #	42
18) Methyl Acetate	5.030	43	1156	0.458	ug/l #	49
31) Cyclohexane	8.218	56	3575	0.989	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14205	4.739	ug/l #	49
38) Carbon Tetrachloride	8.218	117	18370	6.220	ug/l #	17
43) Isopropyl Acetate	8.659	43	1748	0.288	ug/l #	54
71) Bromoform	12.847	173	940	0.558	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	79382	23.534	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	79382	59.392	ug/l #	15
94) Hexachlorobutadiene	15.494	225	287	0.343	ug/l #	31
95) Naphthalene	15.635	128	2081	0.298	ug/l #	73

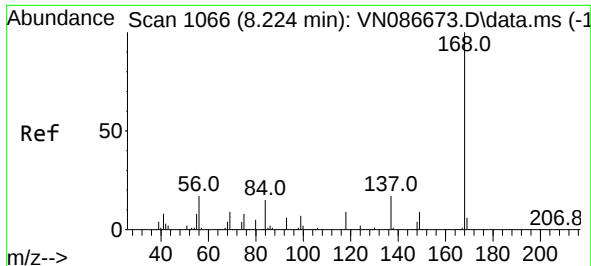
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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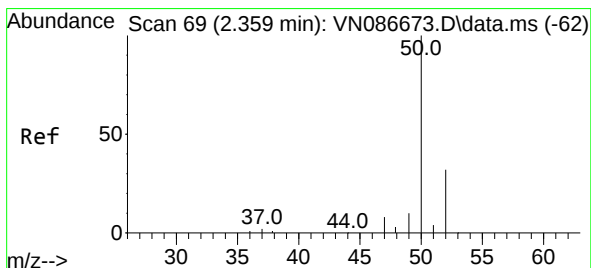
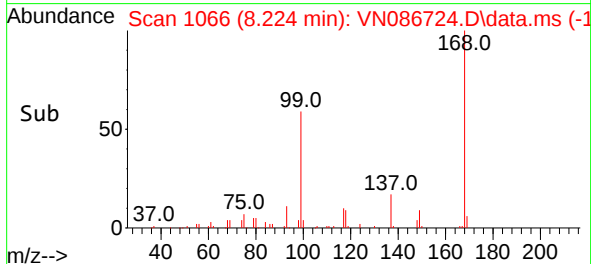
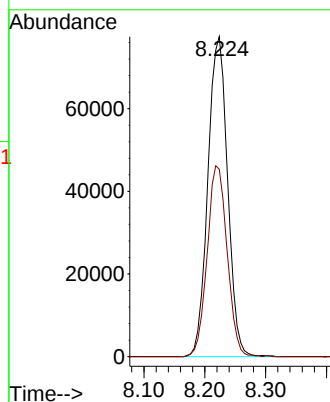
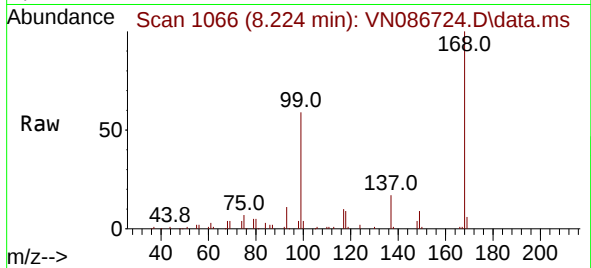




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086724.D
Acq: 21 May 2025 12:08

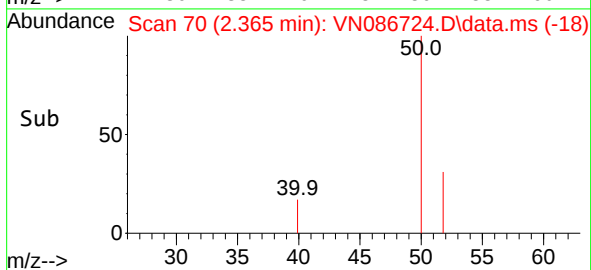
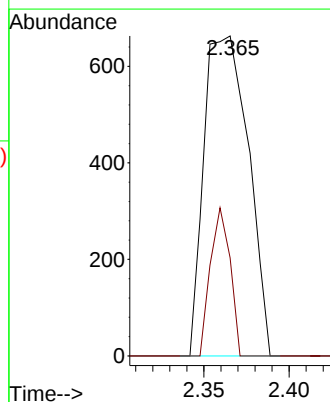
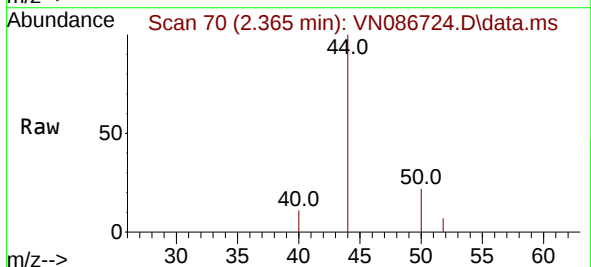
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBL01

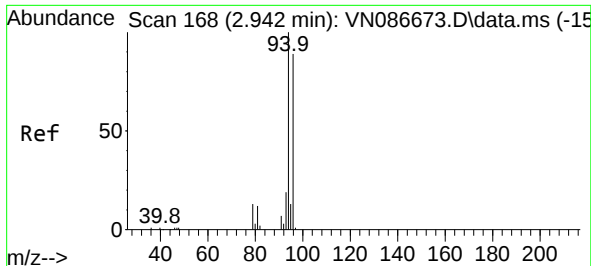
Tgt Ion:168 Resp: 174294
Ion Ratio Lower Upper
168 100
99 58.6 47.0 70.4



#3
Chloromethane
Concen: 0.421 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086724.D
Acq: 21 May 2025 12:08

Tgt Ion: 50 Resp: 1198
Ion Ratio Lower Upper
50 100
52 30.6 25.9 38.9

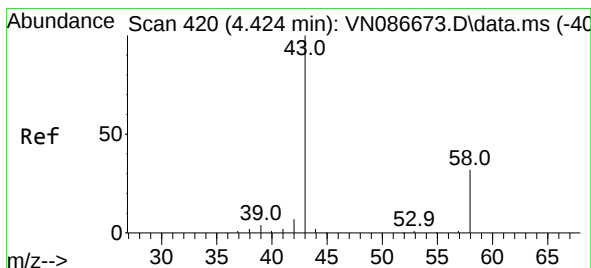
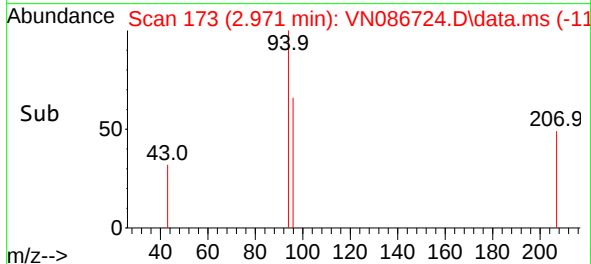
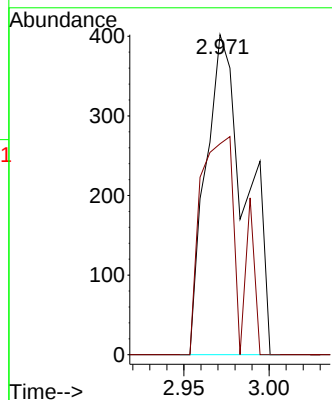
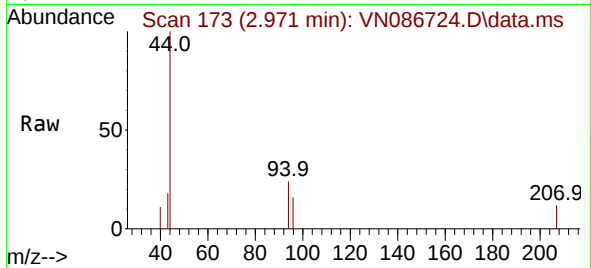




#5
Bromomethane
Concen: 0.442 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN086724.D
Acq: 21 May 2025 12:08

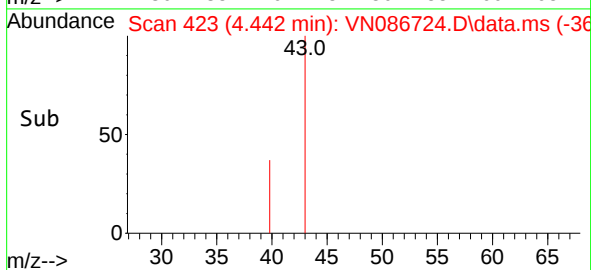
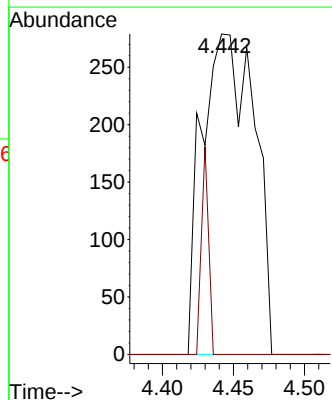
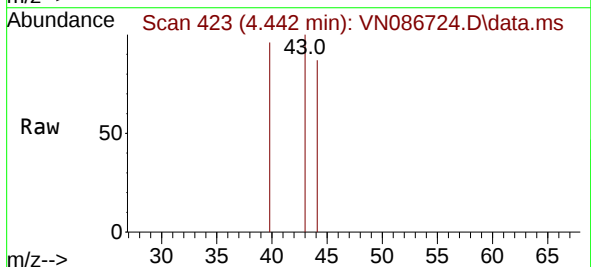
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBL01

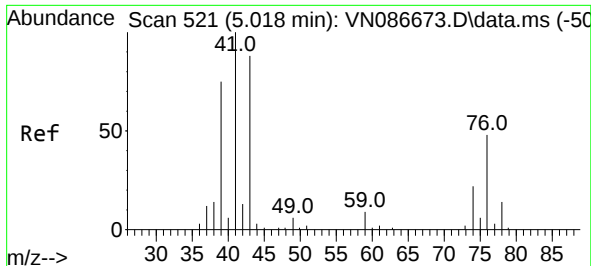
Tgt Ion: 94 Resp: 651
Ion Ratio Lower Upper
94 100
96 65.9 71.2 106.8#



#16
Acetone
Concen: 0.796 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN086724.D
Acq: 21 May 2025 12:08

Tgt Ion: 43 Resp: 717
Ion Ratio Lower Upper
43 100
58 0.0 25.8 38.6#

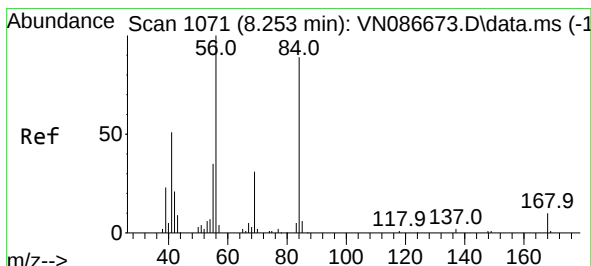
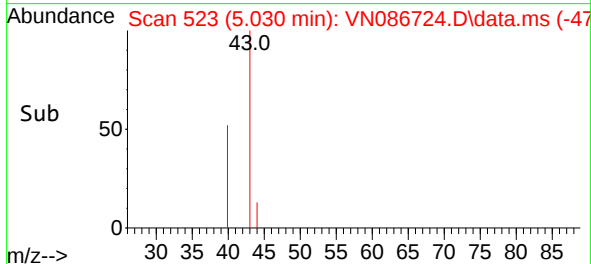
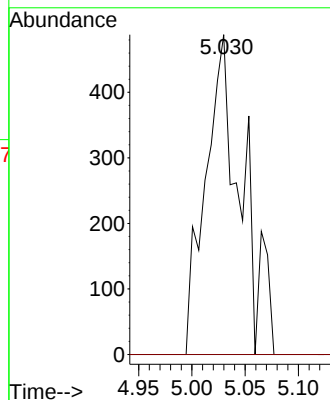
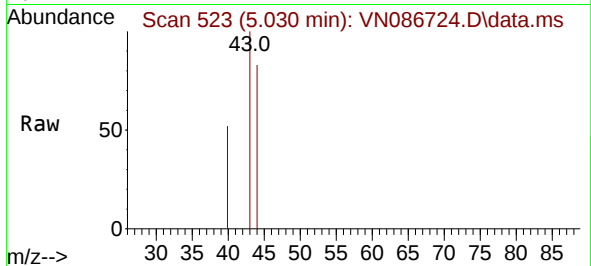




#18
Methyl Acetate
Concen: 0.458 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086724.D
Acq: 21 May 2025 12:08

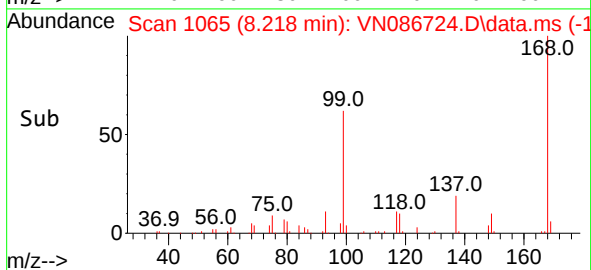
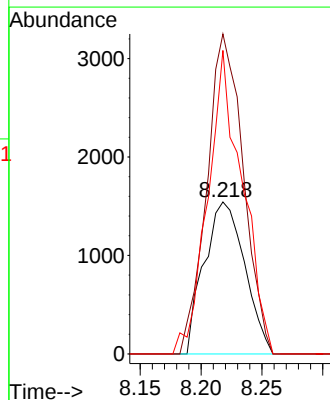
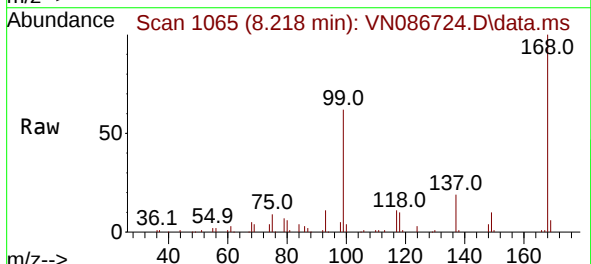
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBL01

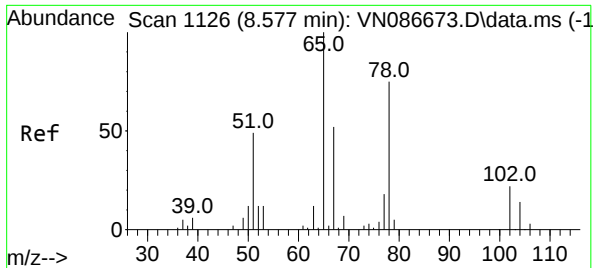
Tgt Ion: 43 Resp: 1156
Ion Ratio Lower Upper
43 100
74 0.0 20.5 30.7#



#31
Cyclohexane
Concen: 0.989 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086724.D
Acq: 21 May 2025 12:08

Tgt Ion: 56 Resp: 3575
Ion Ratio Lower Upper
56 100
69 210.6 25.0 37.6#
84 199.7 71.0 106.4#

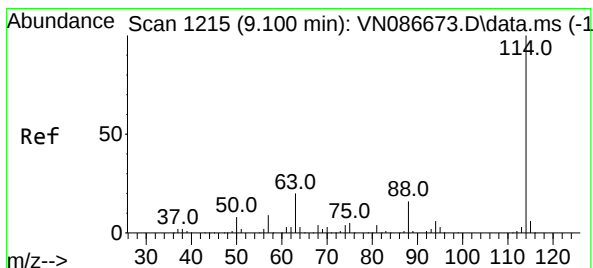
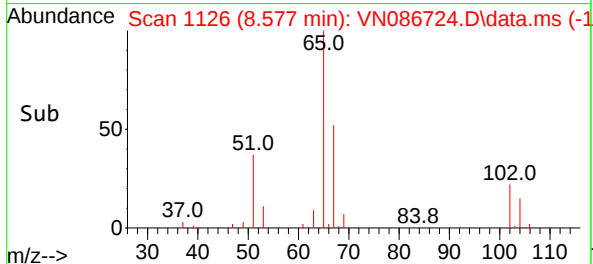
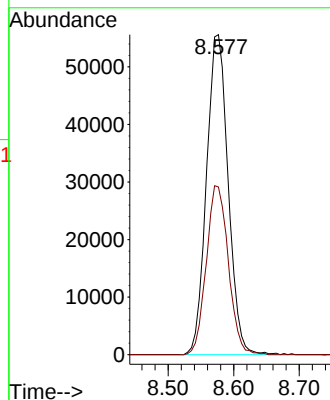
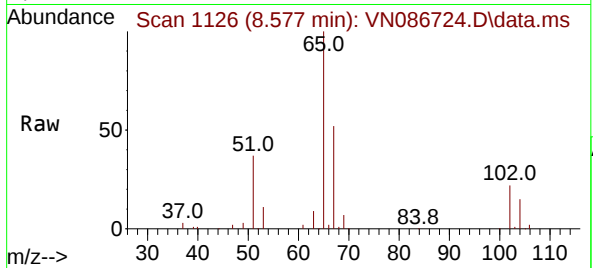




#33
 1,2-Dichloroethane-d4
 Concen: 53.030 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN086724.D
 Acq: 21 May 2025 12:08

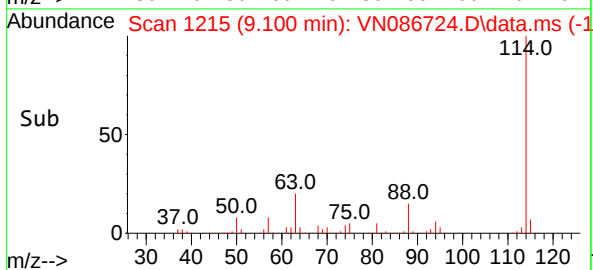
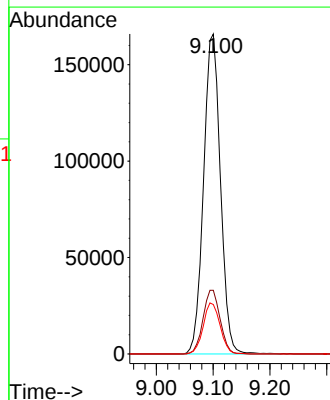
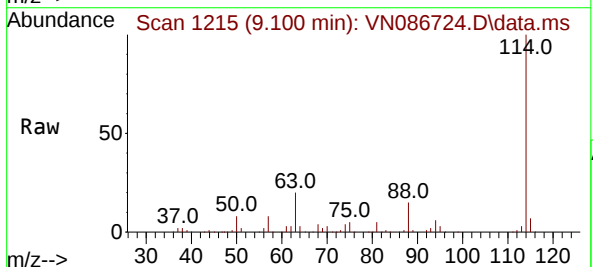
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521WBL01

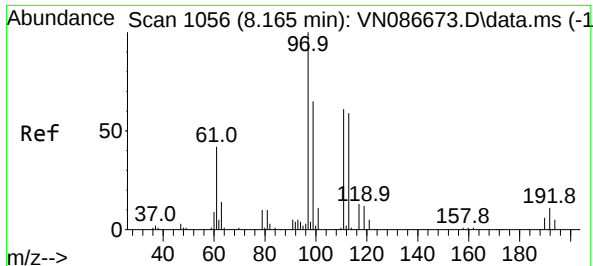
Tgt Ion: 65 Resp: 127718
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN086724.D
 Acq: 21 May 2025 12:08

Tgt Ion: 114 Resp: 341228
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.2
 88 15.4 0.0 31.2





#35

Dibromofluoromethane

Concen: 53.522 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086724.D

Acq: 21 May 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBL01

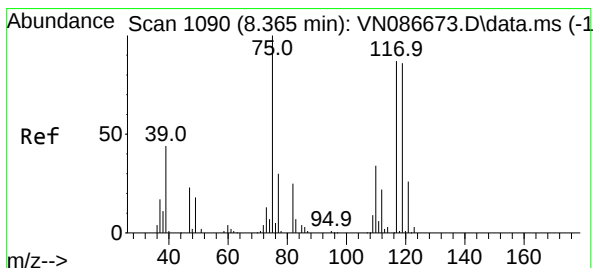
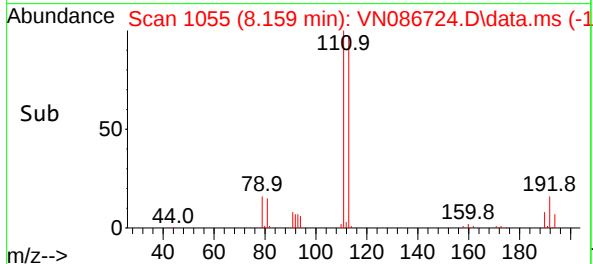
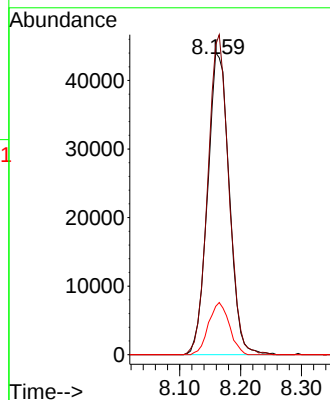
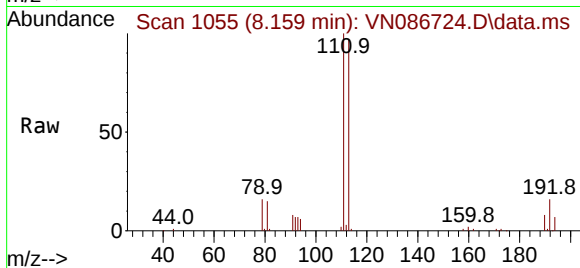
Tgt Ion:113 Resp: 108765

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

192 16.6 13.8 20.8



#36

1,1-Dichloropropene

Concen: 4.739 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086724.D

Acq: 21 May 2025 12:08

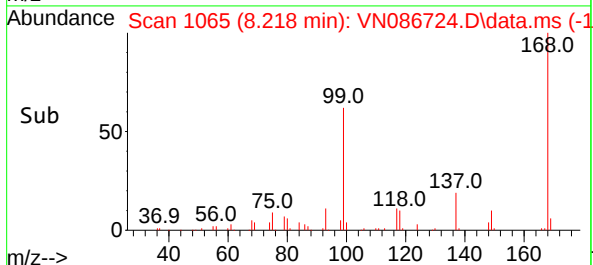
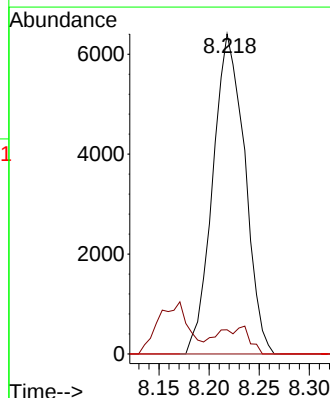
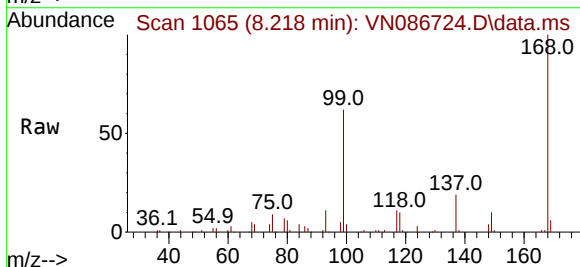
Tgt Ion: 75 Resp: 14205

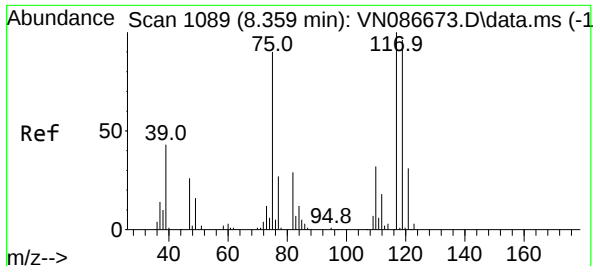
Ion Ratio Lower Upper

75 100

110 8.7 17.5 52.5#

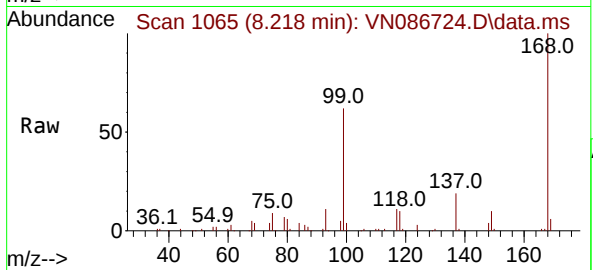
77 0.0 25.1 37.7#



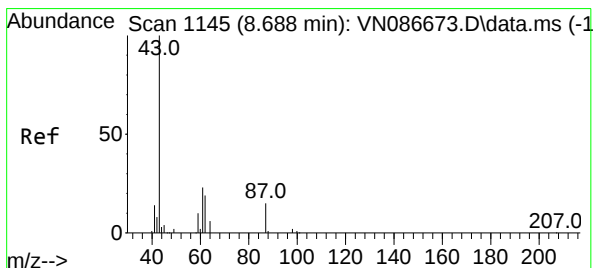
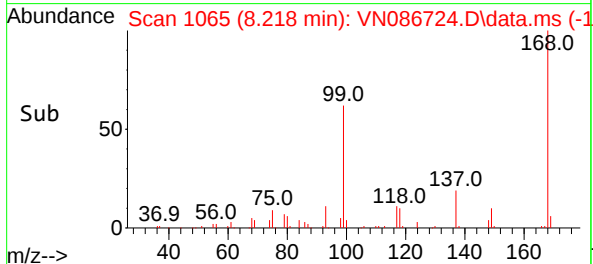
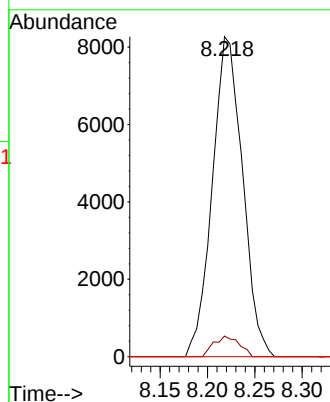


#38
Carbon Tetrachloride
Concen: 6.220 ug/l
RT: 8.218 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN086724.D
Acq: 21 May 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBL01

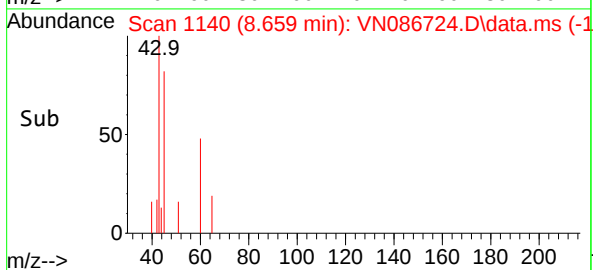
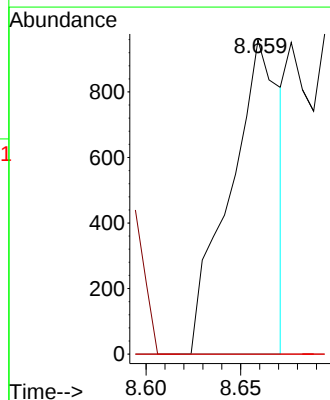
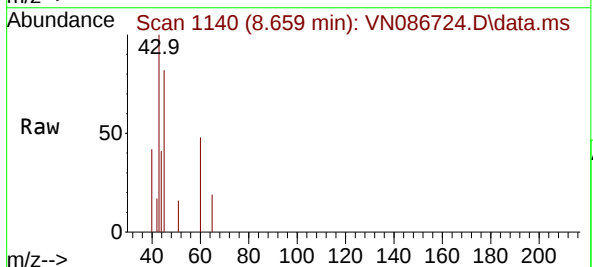


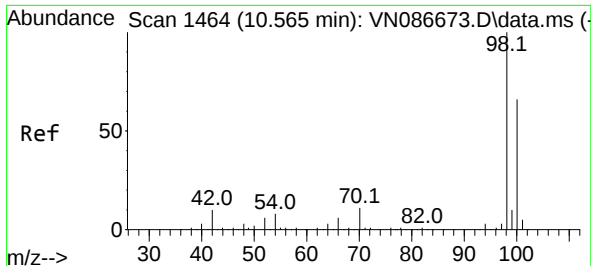
Tgt Ion:117 Resp: 18370
Ion Ratio Lower Upper
117 100
119 6.4 77.0 115.6#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 0.288 ug/l
RT: 8.659 min Scan# 1140
Delta R.T. -0.029 min
Lab File: VN086724.D
Acq: 21 May 2025 12:08

Tgt Ion: 43 Resp: 1748
Ion Ratio Lower Upper
43 100
61 0.0 21.4 32.2#
87 0.0 11.1 16.7#

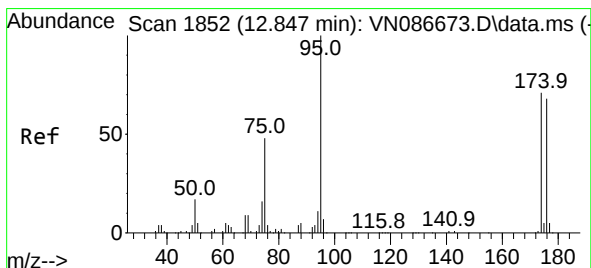
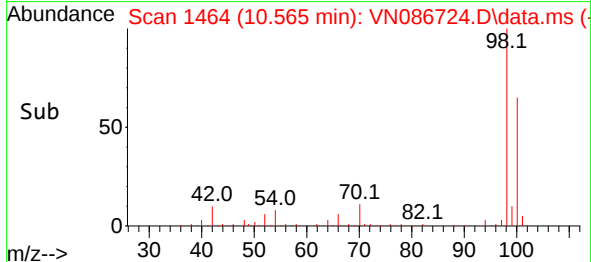
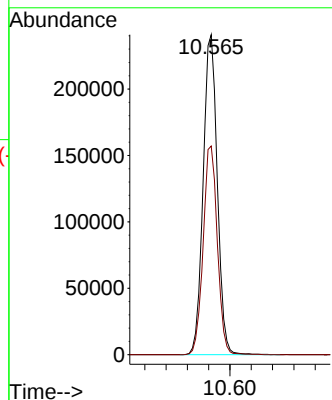
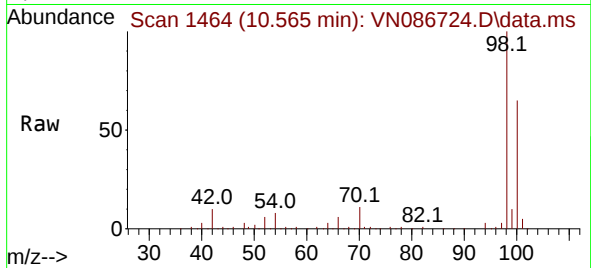




#50
Toluene-d8
Concen: 52.611 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086724.D
Acq: 21 May 2025 12:08

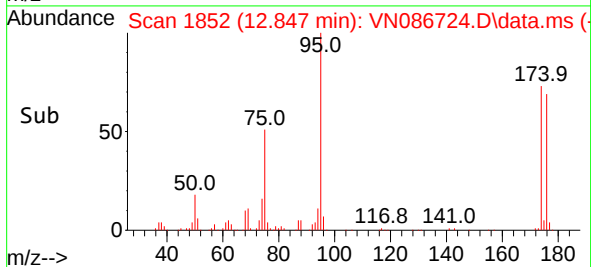
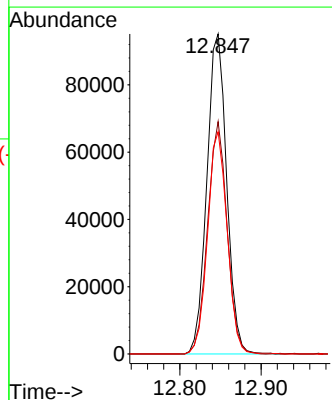
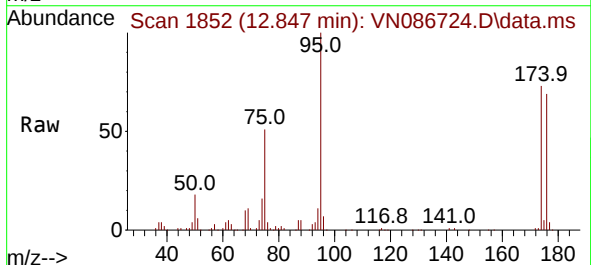
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBL01

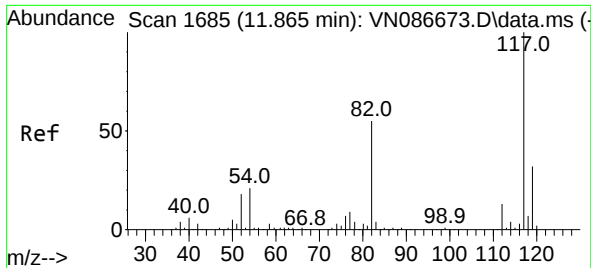
Tgt Ion: 98 Resp: 443056
Ion Ratio Lower Upper
98 100
100 65.4 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 54.161 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086724.D
Acq: 21 May 2025 12:08

Tgt Ion: 95 Resp: 161051
Ion Ratio Lower Upper
95 100
174 71.6 0.0 145.4
176 68.5 0.0 137.8

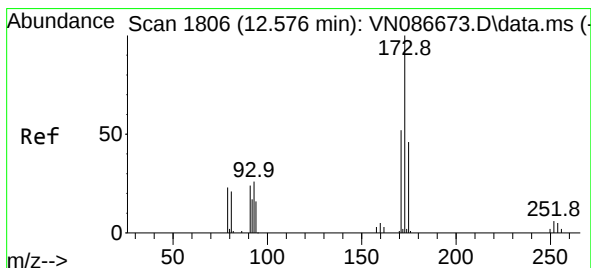
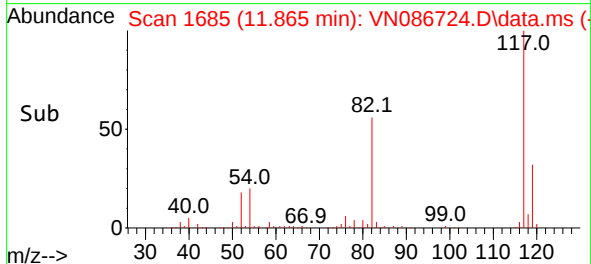
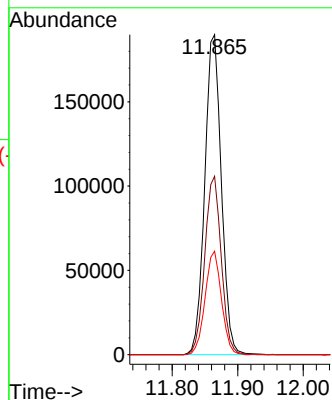
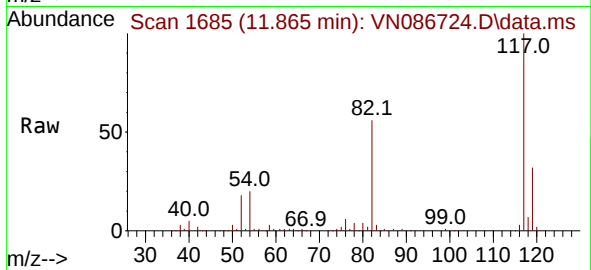




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN086724.D
Acq: 21 May 2025 12:08

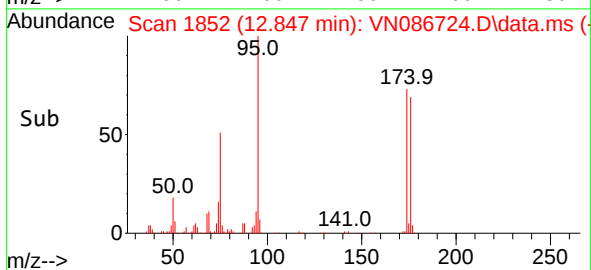
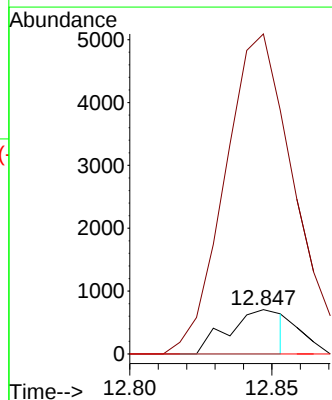
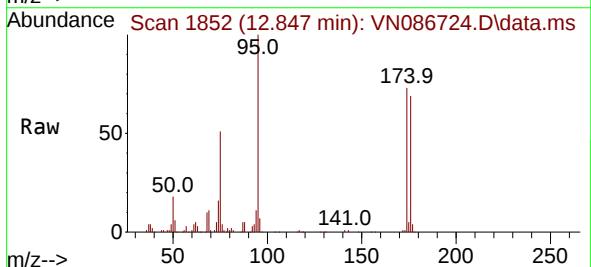
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBL01

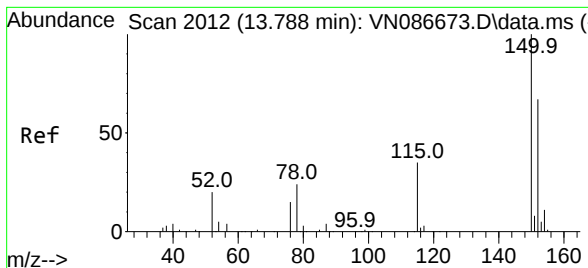
Tgt Ion:117 Resp: 334894
Ion Ratio Lower Upper
117 100
82 55.7 44.2 66.2
119 32.4 25.4 38.2



#71
Bromoform
Concen: 0.558 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN086724.D
Acq: 21 May 2025 12:08

Tgt Ion:173 Resp: 940
Ion Ratio Lower Upper
173 100
175 737.6 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# 2012

Delta R.T. 0.000 min

Lab File: VN086724.D

Acq: 21 May 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0521WBL01

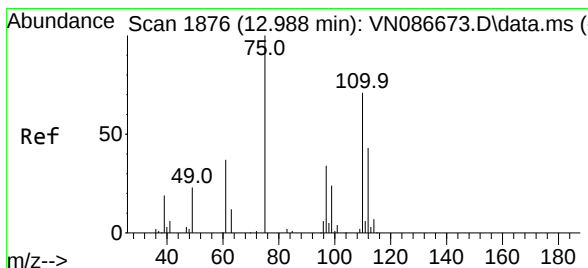
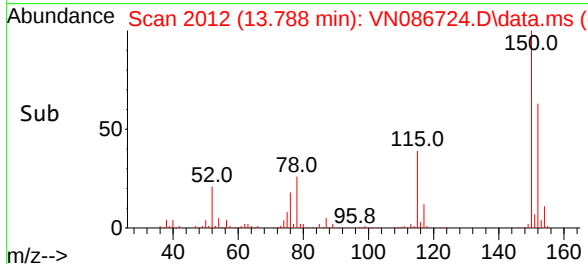
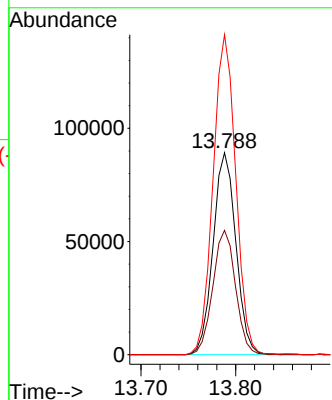
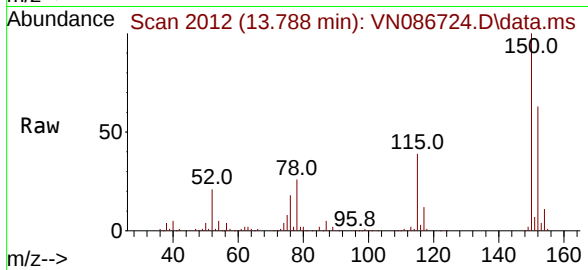
Tgt Ion:152 Resp: 149145

Ion Ratio Lower Upper

152 100

115 61.4 30.0 90.1

150 157.3 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 23.534 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN086724.D

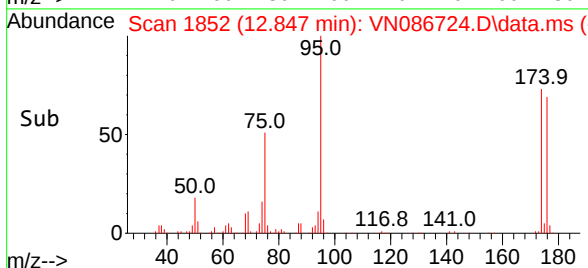
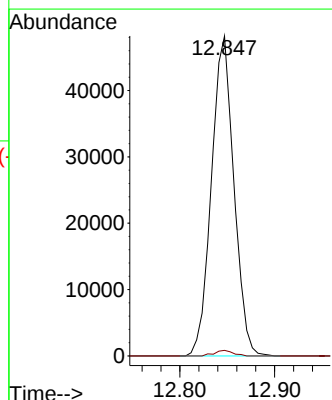
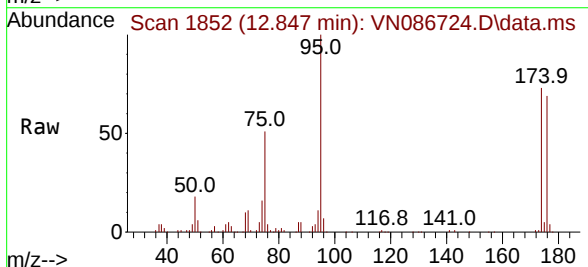
Acq: 21 May 2025 12:08

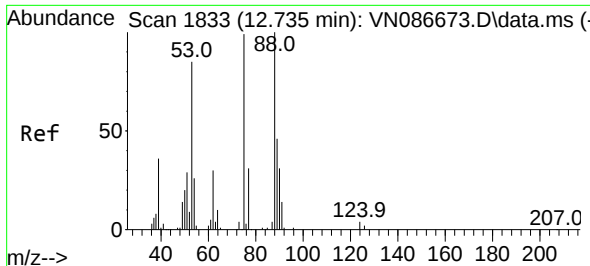
Tgt Ion: 75 Resp: 79382

Ion Ratio Lower Upper

75 100

77 1.4 96.0 288.1#

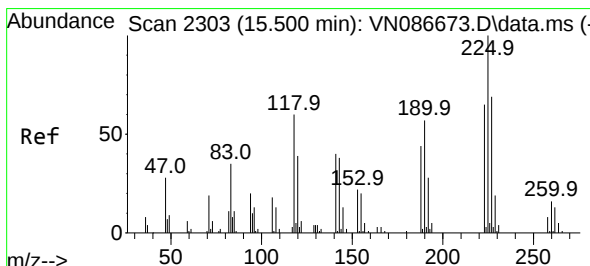
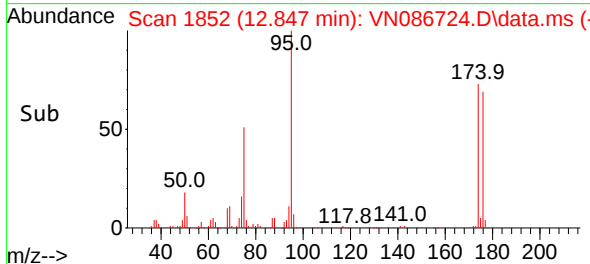
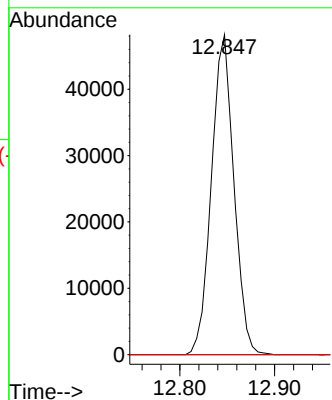
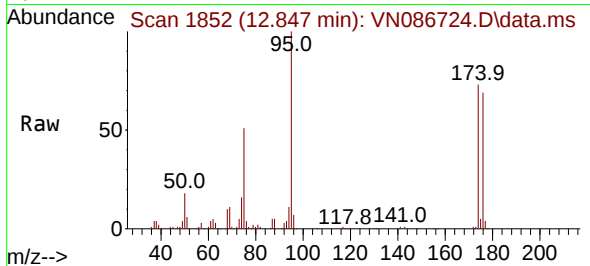




#81
trans-1,4-Dichloro-2-butene
Concen: 59.392 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN086724.D
Acq: 21 May 2025 12:08

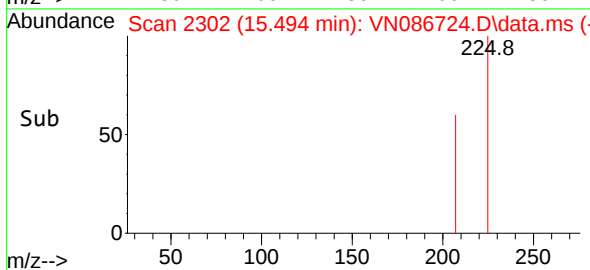
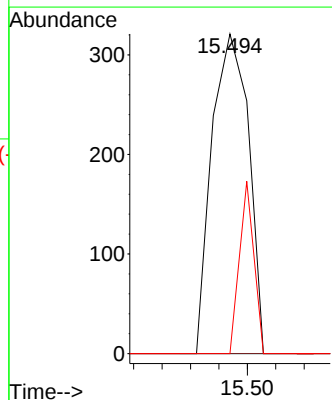
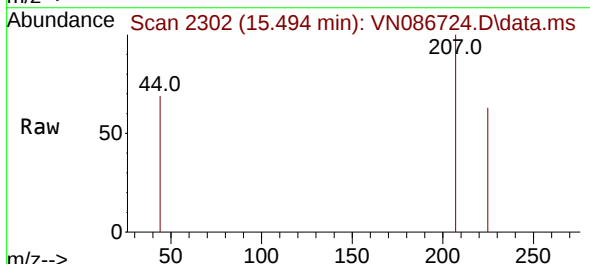
Instrument :
MSVOA_N
ClientSampleId :
VN0521WBL01

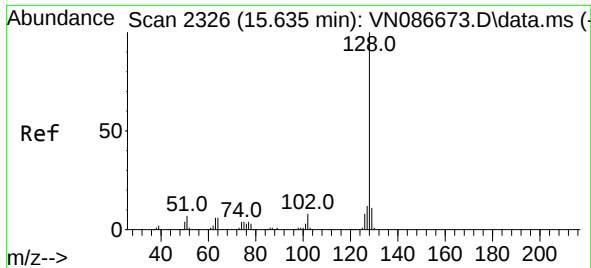
Tgt Ion: 75 Resp: 79382
Ion Ratio Lower Upper
75 100
53 0.0 70.4 105.6#
89 0.0 32.4 48.6#



#94
Hexachlorobutadiene
Concen: 0.343 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN086724.D
Acq: 21 May 2025 12:08

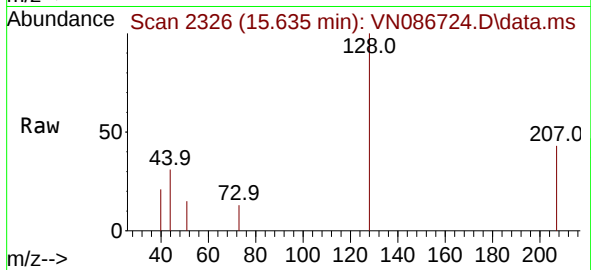
Tgt Ion: 225 Resp: 287
Ion Ratio Lower Upper
225 100
223 0.0 32.9 98.6#
227 21.3 32.4 97.2#





#95
Naphthalene
Concen: 0.298 ug/l
RT: 15.635 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN086724.D
Acq: 21 May 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0521WBL01



Tgt Ion:128 Resp: 2081
Ion Ratio Lower Upper
128 100
127 0.0 10.1 15.1#
129 3.2 8.6 13.0#

