

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052225\
 Data File : VN086752.D
 Acq On : 22 May 2025 09:19
 Operator : JC\MD
 Sample : VN0522WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBL01

Quant Time: May 23 01:30:47 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)

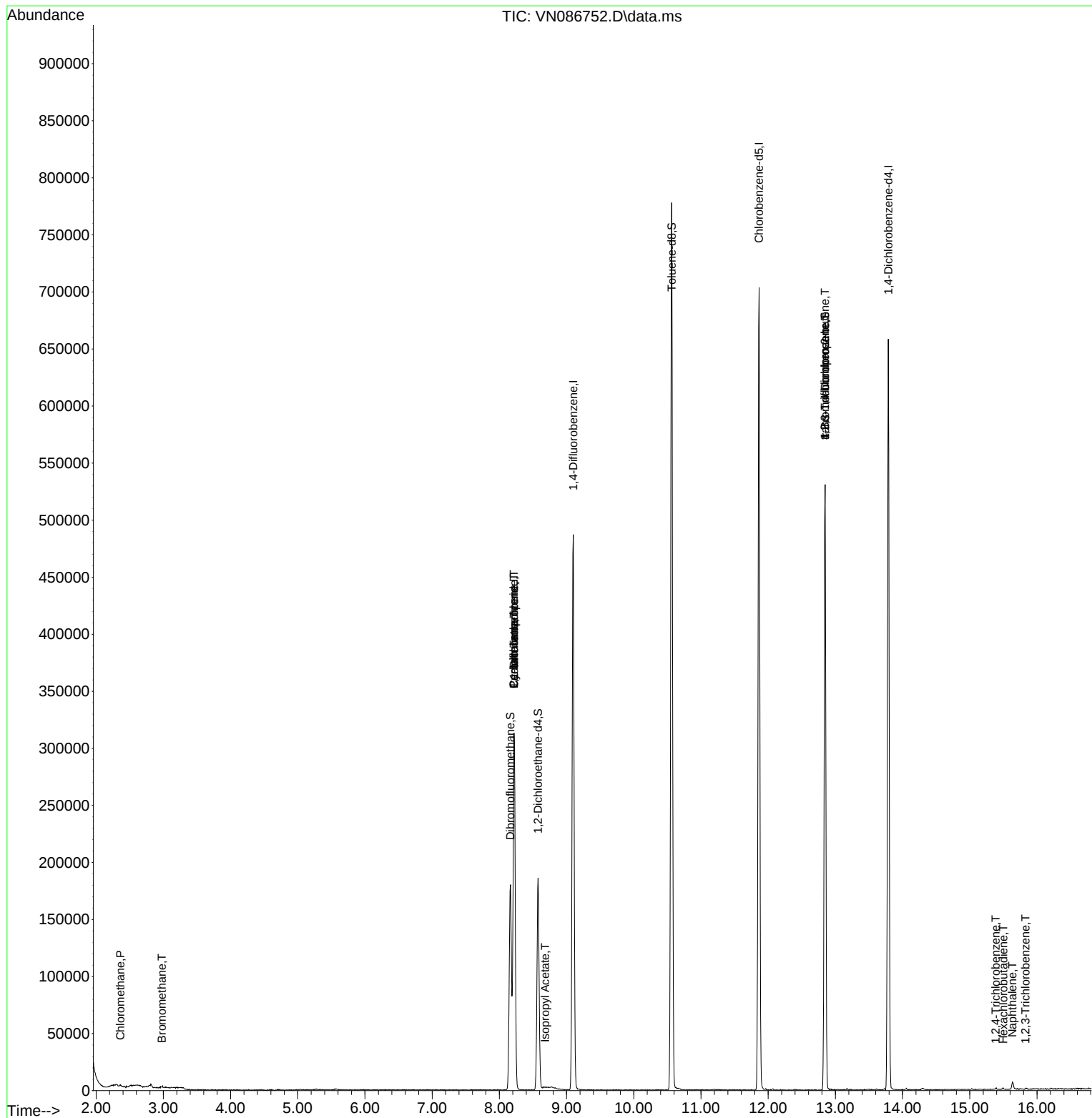
Internal Standards						
1) Pentafluorobenzene	8.218	168	246936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	454612	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	435552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	191535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	150789	44.191	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.380%		
35) Dibromofluoromethane	8.165	113	136253	50.326	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.660%		
50) Toluene-d8	10.565	98	573321	51.100	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.200%		
62) 4-Bromofluorobenzene	12.847	95	207755	52.442	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	104.880%		
Target Compounds			Qvalue			
3) Chloromethane	2.359	50	1145	0.284	ug/l #	80
5) Bromomethane	2.977	94	687	0.329	ug/l #	78
31) Cyclohexane	8.218	56	4226	0.825	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	18292	4.580	ug/l #	48
38) Carbon Tetrachloride	8.218	117	23218	5.901	ug/l #	15
43) Isopropyl Acetate	8.682	43	2120	0.262	ug/l #	54
76) 1,2,3-Trichloropropane	12.847	75	96579	22.296	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	96579	56.267	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.388	180	539	0.208	ug/l #	65
94) Hexachlorobutadiene	15.500	225	536	0.499	ug/l #	65
95) Naphthalene	15.635	128	7302	0.813	ug/l	97
96) 1,2,3-Trichlorobenzene	15.829	180	546	0.216	ug/l #	58

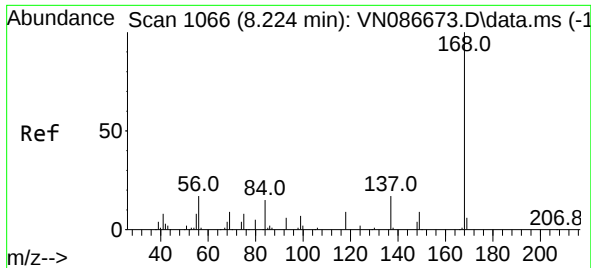
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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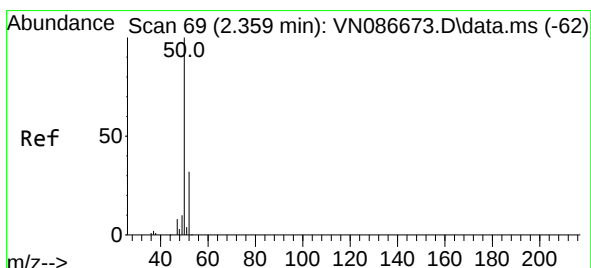
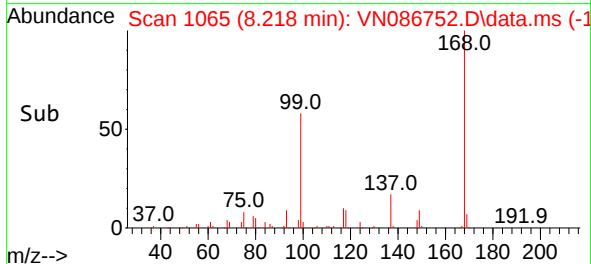
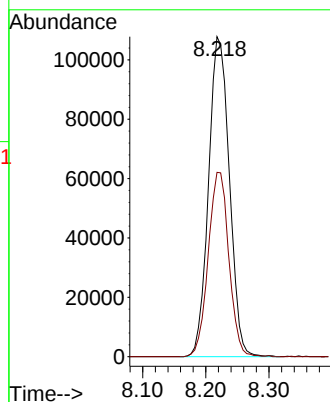
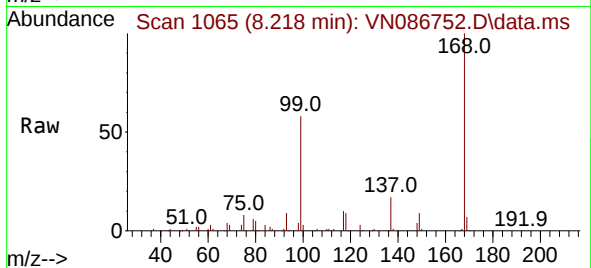




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN086752.D
Acq: 22 May 2025 09:19

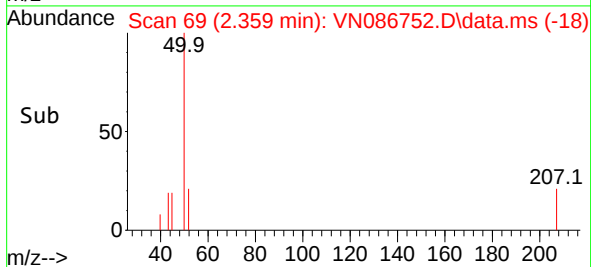
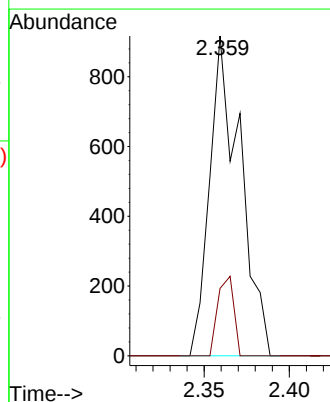
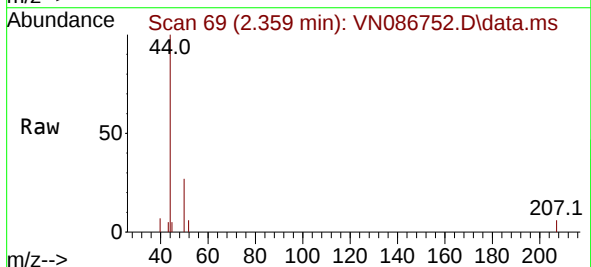
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBL01

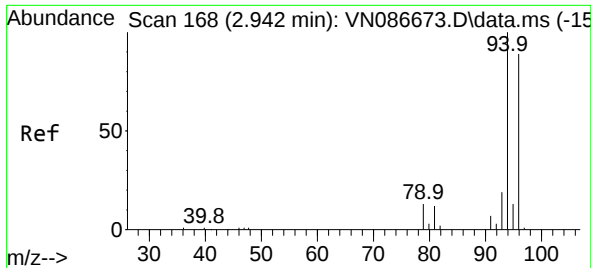
Tgt Ion:168 Resp: 246936
Ion Ratio Lower Upper
168 100
99 57.6 47.0 70.4



#3
Chloromethane
Concen: 0.284 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086752.D
Acq: 22 May 2025 09:19

Tgt Ion: 50 Resp: 1145
Ion Ratio Lower Upper
50 100
52 21.0 25.9 38.9#

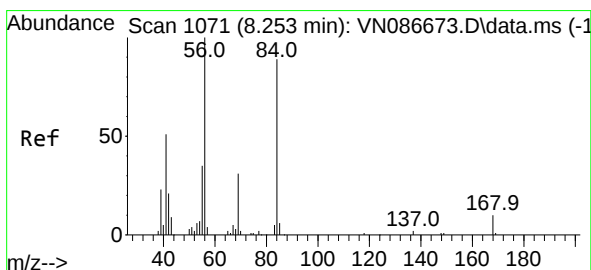
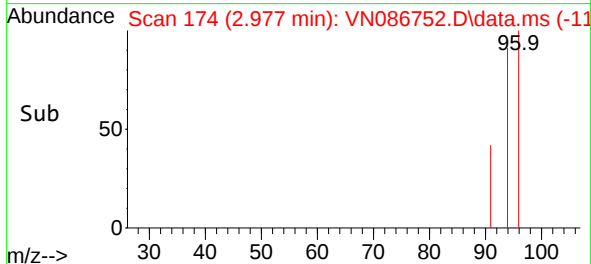
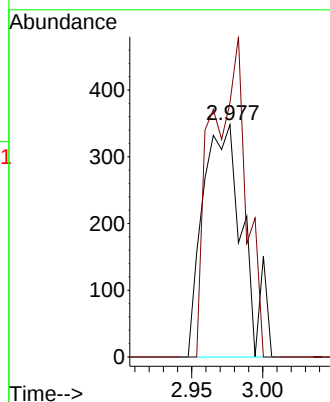
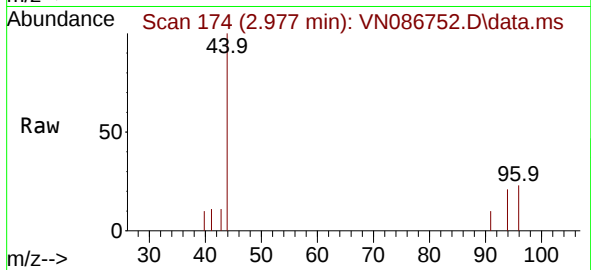




#5
Bromomethane
Concen: 0.329 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN086752.D
Acq: 22 May 2025 09:19

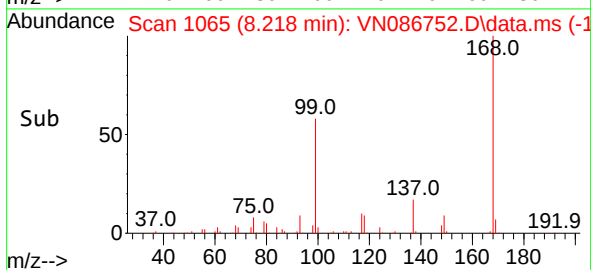
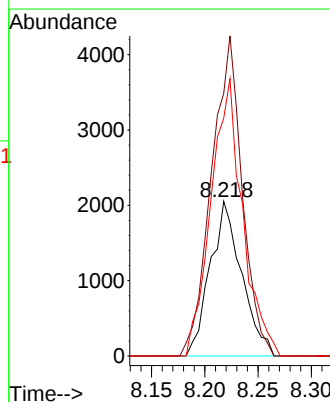
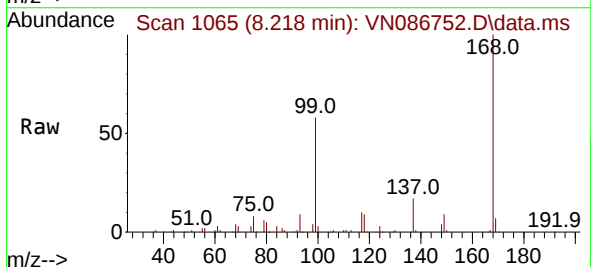
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBL01

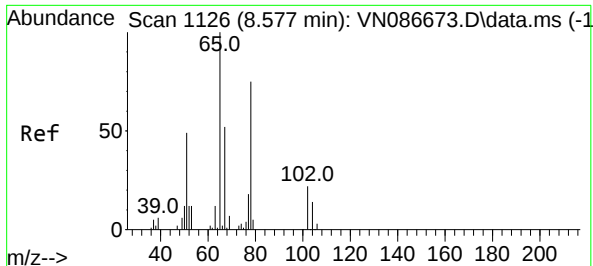
Tgt Ion: 94 Resp: 687
Ion Ratio Lower Upper
94 100
96 109.5 71.2 106.8#



#31
Cyclohexane
Concen: 0.825 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086752.D
Acq: 22 May 2025 09:19

Tgt Ion: 56 Resp: 4226
Ion Ratio Lower Upper
56 100
69 169.9 25.0 37.6#
84 153.8 71.0 106.4#





#33

1,2-Dichloroethane-d4

Concen: 44.191 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086752.D

Acq: 22 May 2025 09:19

Instrument :

MSVOA_N

ClientSampleId :

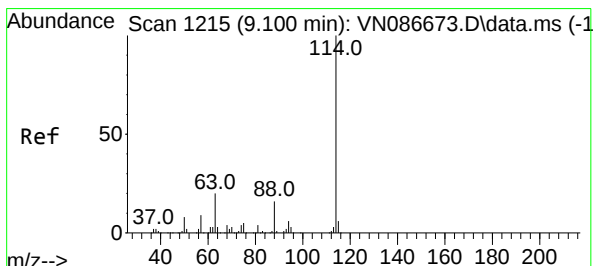
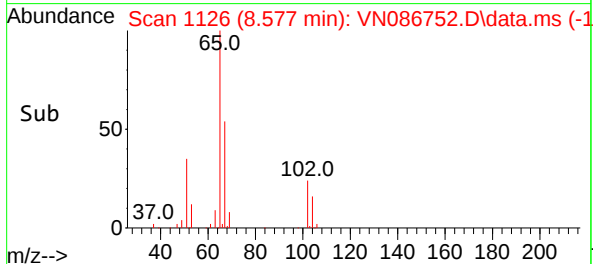
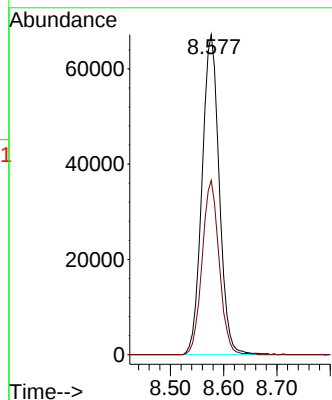
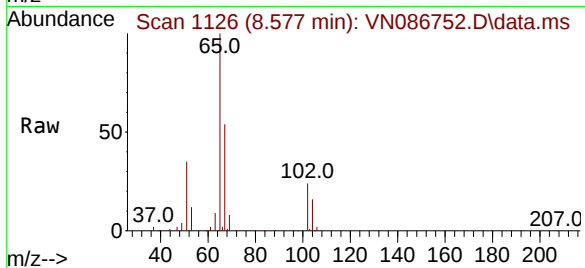
VN0522WBL01

Tgt Ion: 65 Resp: 150789

Ion Ratio Lower Upper

65 100

67 53.9 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: VN086752.D

Acq: 22 May 2025 09:19

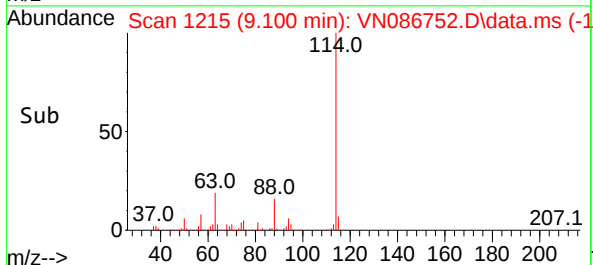
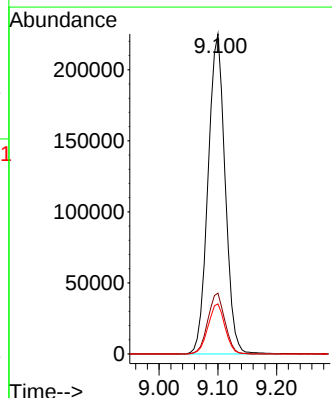
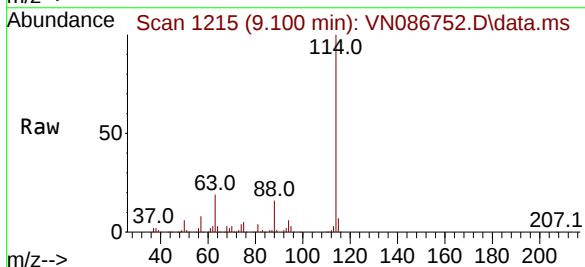
Tgt Ion: 114 Resp: 454612

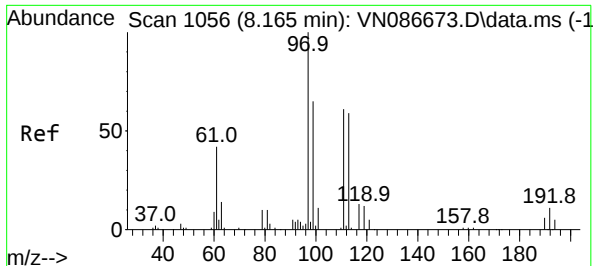
Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.2

88 15.6 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.326 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086752.D

Acq: 22 May 2025 09:19

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBL01

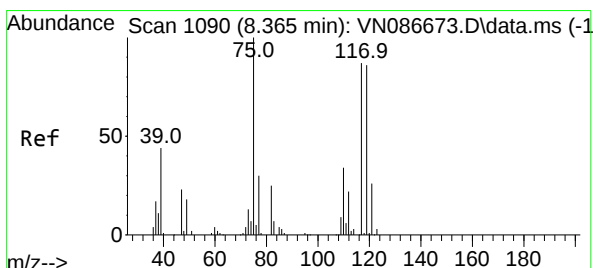
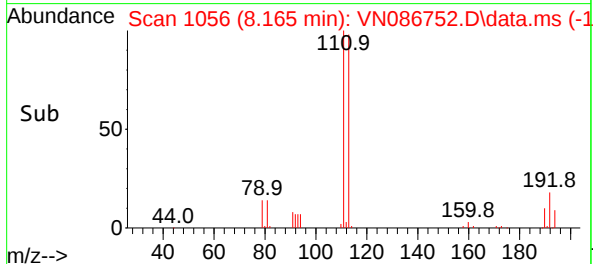
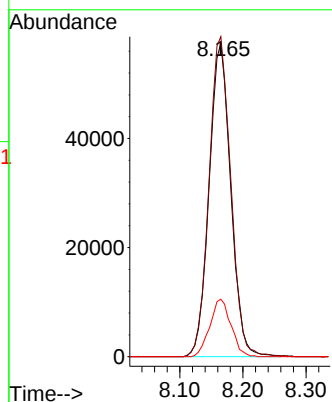
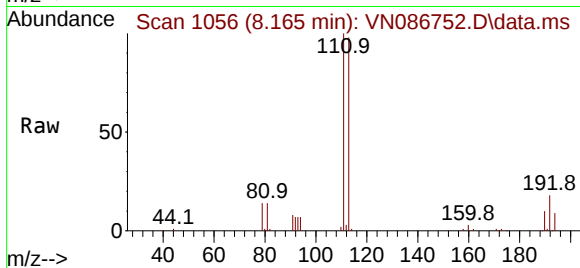
Tgt Ion:113 Resp: 136253

Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.2

192 18.0 13.8 20.8



#36

1,1-Dichloropropene

Concen: 4.580 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086752.D

Acq: 22 May 2025 09:19

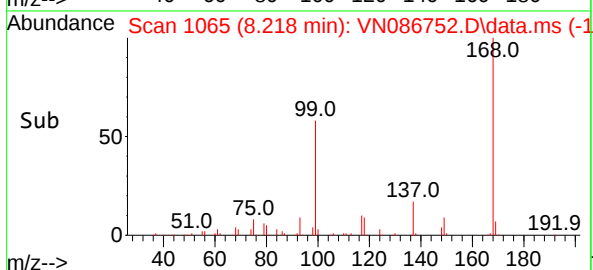
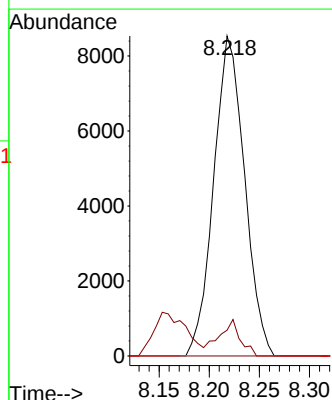
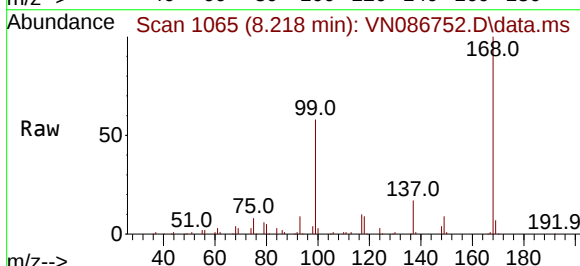
Tgt Ion: 75 Resp: 18292

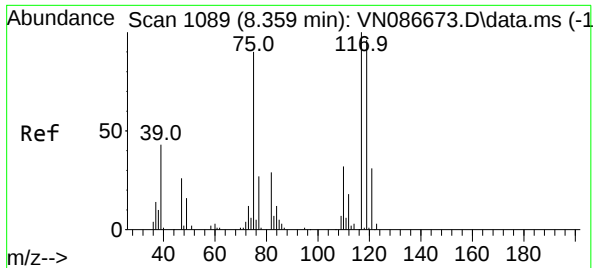
Ion Ratio Lower Upper

75 100

110 7.8 17.5 52.5#

77 0.0 25.1 37.7#

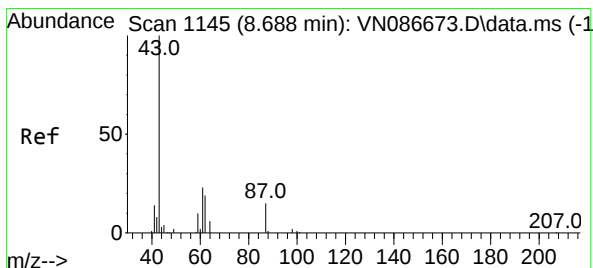
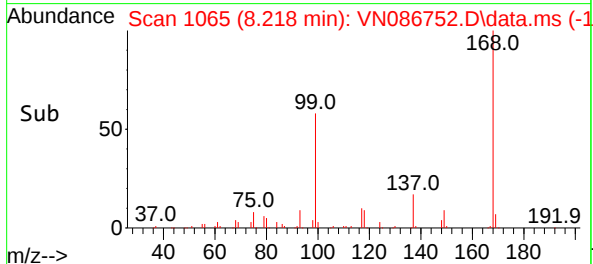
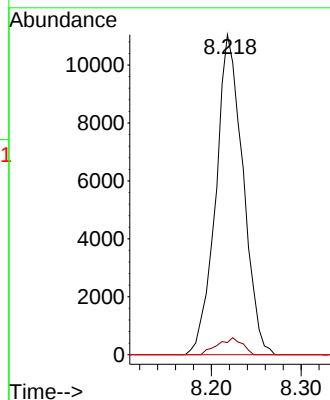
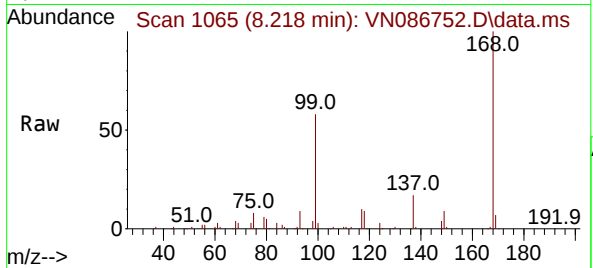




#38
Carbon Tetrachloride
Concen: 5.901 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN086752.D
Acq: 22 May 2025 09:19

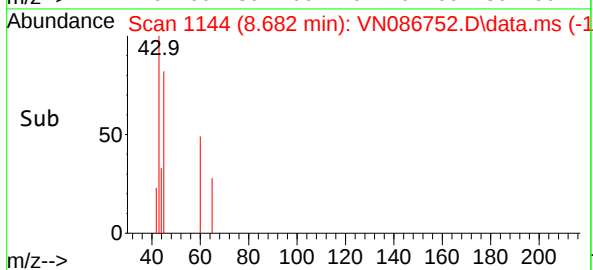
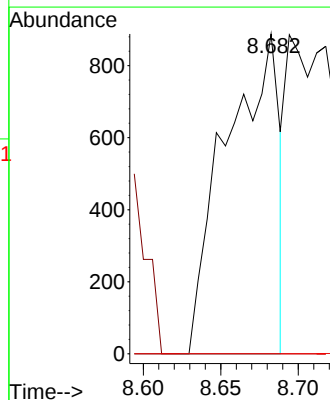
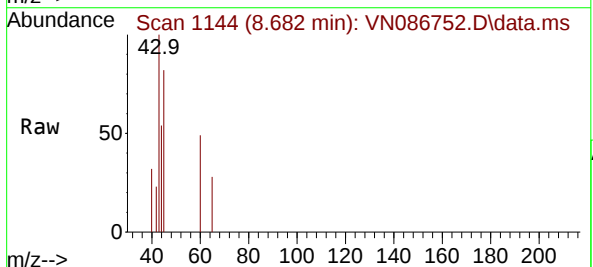
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ClientSampleId :
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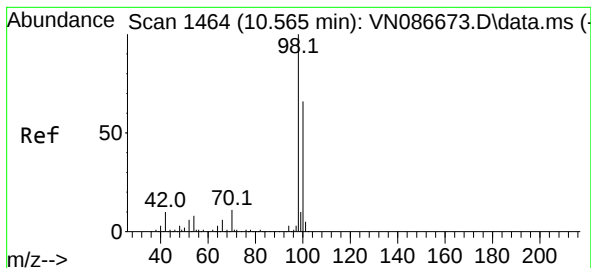
Tgt Ion:117 Resp: 23218
Ion Ratio Lower Upper
117 100
119 3.8 77.0 115.6#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 0.262 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN086752.D
Acq: 22 May 2025 09:19

Tgt Ion: 43 Resp: 2120
Ion Ratio Lower Upper
43 100
61 0.0 21.4 32.2#
87 0.0 11.1 16.7#

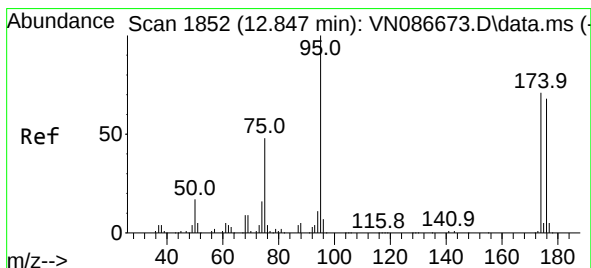
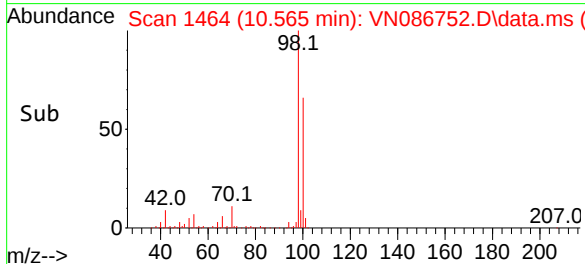
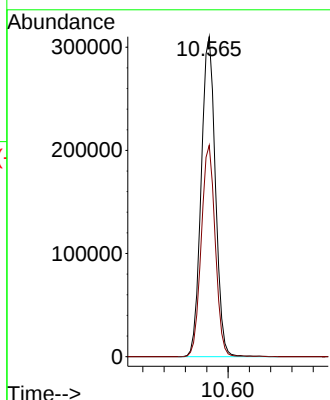
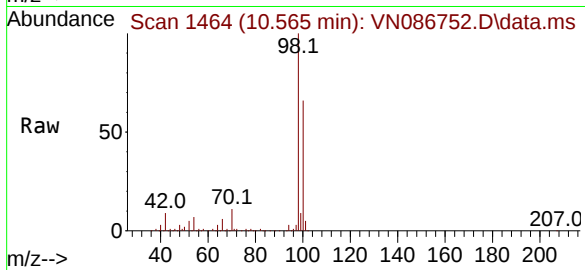




#50
Toluene-d8
Concen: 51.100 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086752.D
Acq: 22 May 2025 09:19

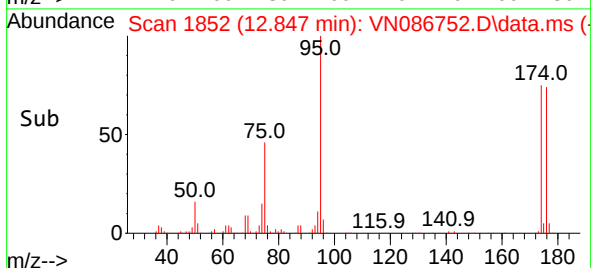
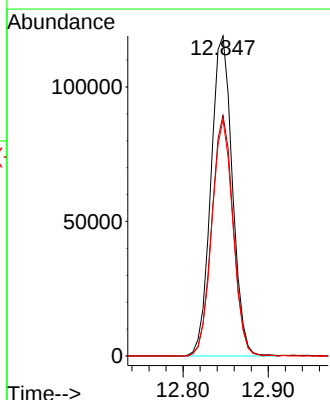
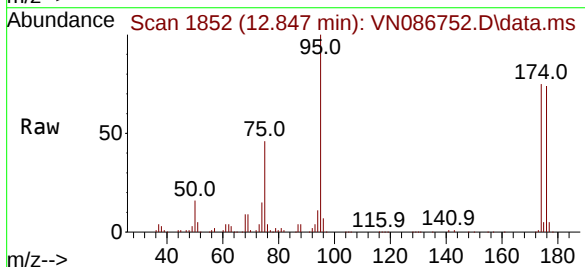
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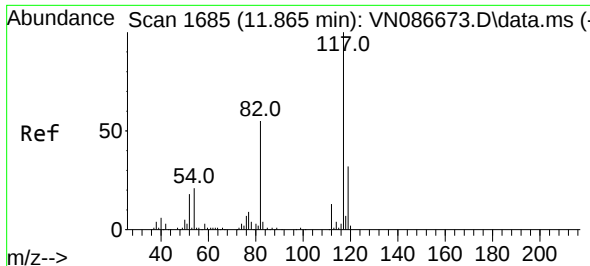
Tgt Ion: 98 Resp: 573321
Ion Ratio Lower Upper
98 100
100 65.2 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 52.442 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086752.D
Acq: 22 May 2025 09:19

Tgt Ion: 95 Resp: 207755
Ion Ratio Lower Upper
95 100
174 74.7 0.0 145.4
176 72.6 0.0 137.8

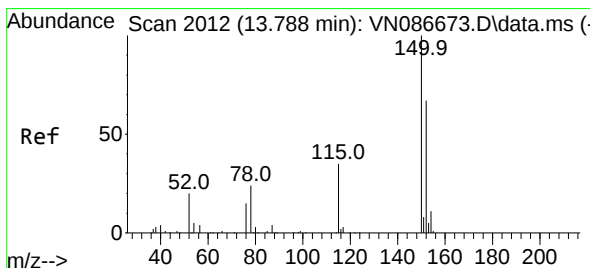
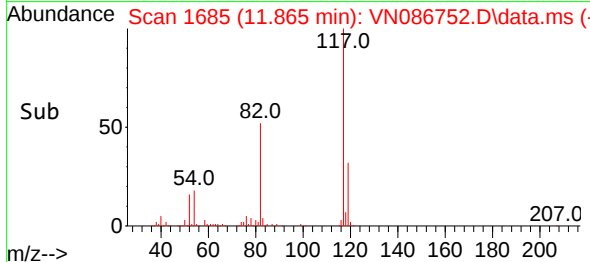
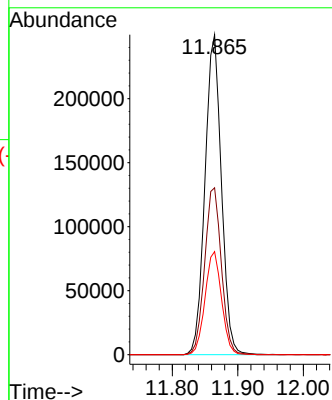
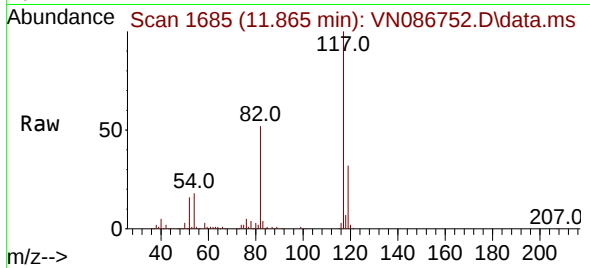




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN086752.D
Acq: 22 May 2025 09:19

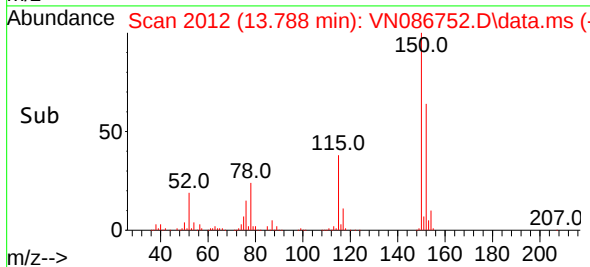
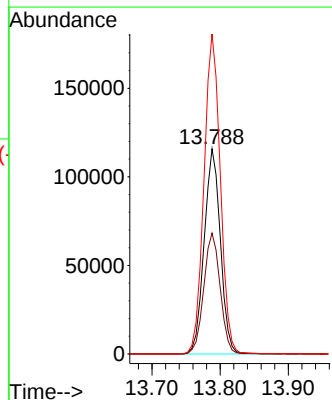
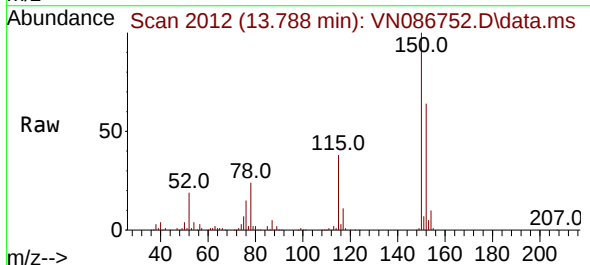
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBL01

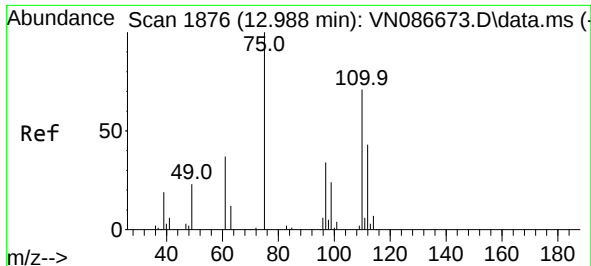
Tgt Ion:117 Resp: 435552
Ion Ratio Lower Upper
117 100
82 52.2 44.2 66.2
119 32.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086752.D
Acq: 22 May 2025 09:19

Tgt Ion:152 Resp: 191535
Ion Ratio Lower Upper
152 100
115 59.5 30.0 90.1
150 157.1 0.0 347.8

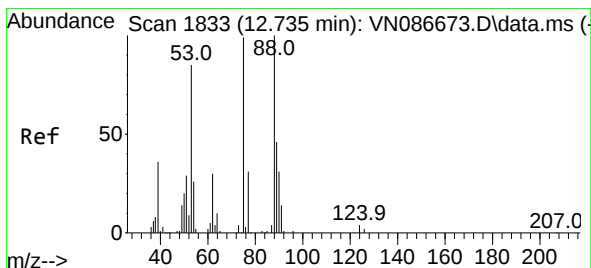
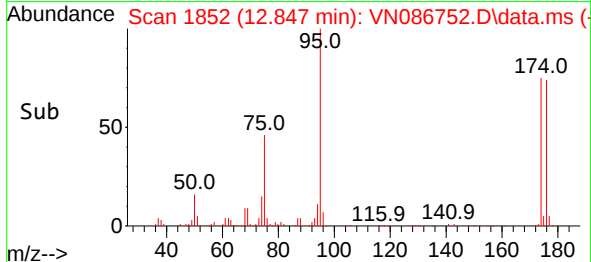
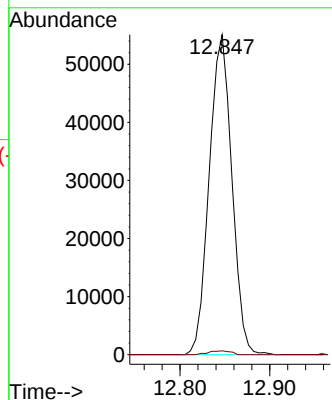
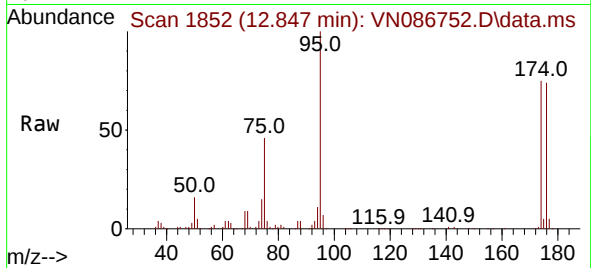




#76
1,2,3-Trichloropropane
Concen: 22.296 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086752.D
Acq: 22 May 2025 09:19

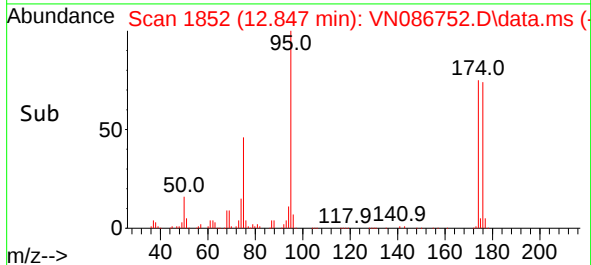
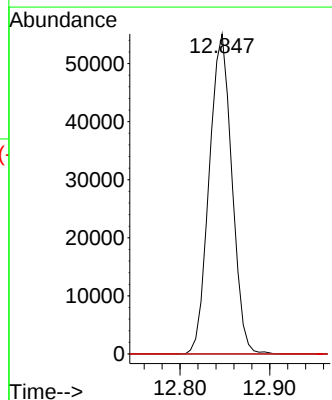
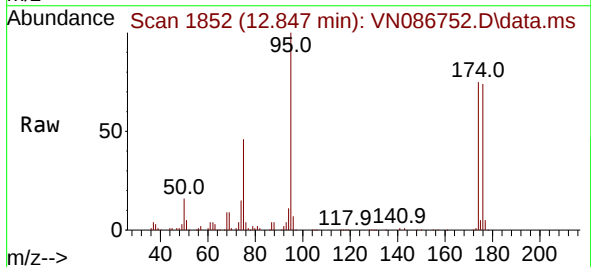
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBL01

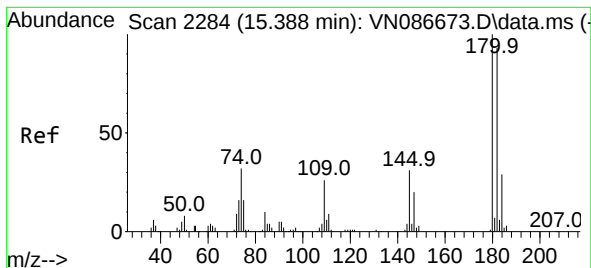
Tgt Ion: 75 Resp: 96579
Ion Ratio Lower Upper
75 100
77 1.2 96.0 288.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.267 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086752.D
Acq: 22 May 2025 09:19

Tgt Ion: 75 Resp: 96579
Ion Ratio Lower Upper
75 100
53 0.0 70.4 105.6#
89 0.0 32.4 48.6#





#93

1,2,4-Trichlorobenzene

Concen: 0.208 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN086752.D

Acq: 22 May 2025 09:19

Instrument :

MSVOA_N

ClientSampleId :

VN0522WBL01

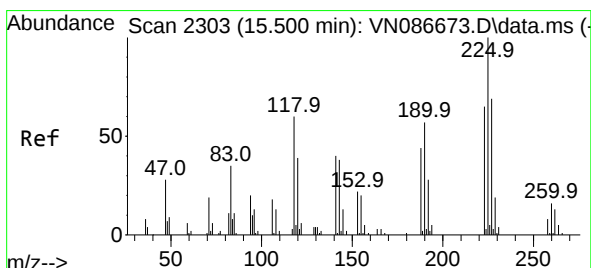
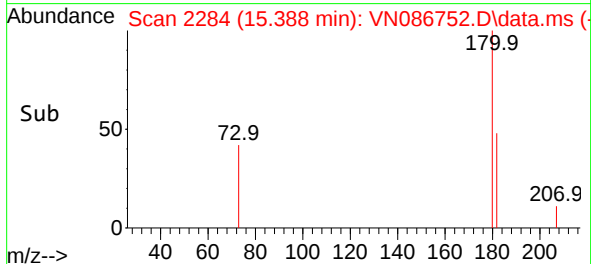
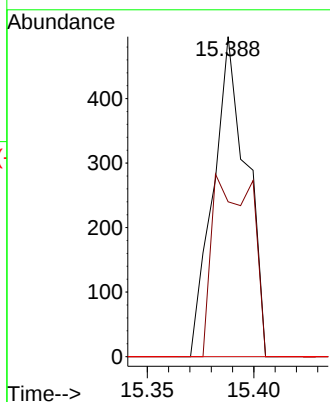
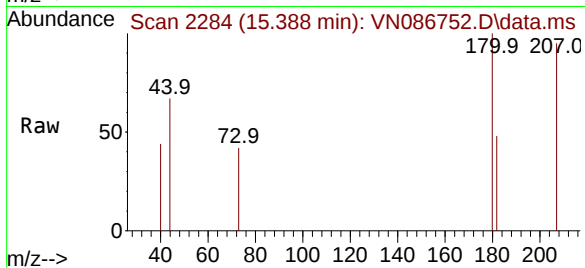
Tgt Ion:180 Resp: 539

Ion Ratio Lower Upper

180 100

182 67.5 47.1 141.3

145 0.0 15.6 46.8#



#94

Hexachlorobutadiene

Concen: 0.499 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN086752.D

Acq: 22 May 2025 09:19

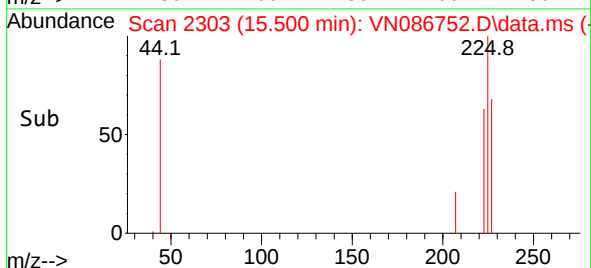
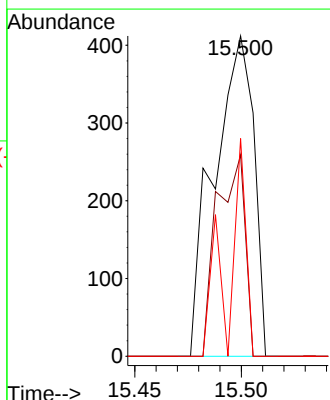
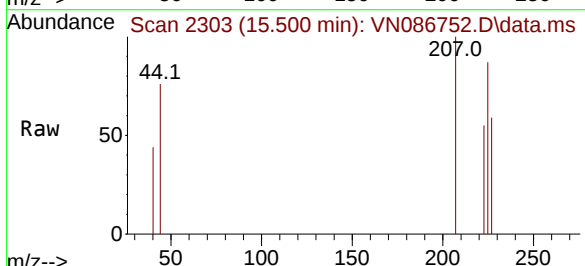
Tgt Ion:225 Resp: 536

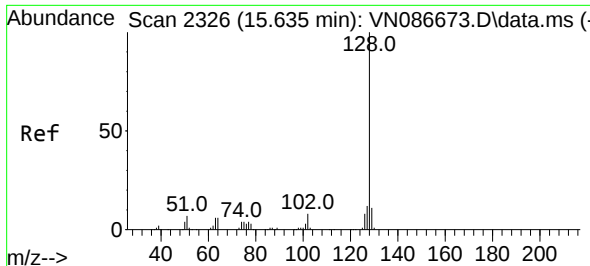
Ion Ratio Lower Upper

225 100

223 44.0 32.9 98.6

227 30.4 32.4 97.2#

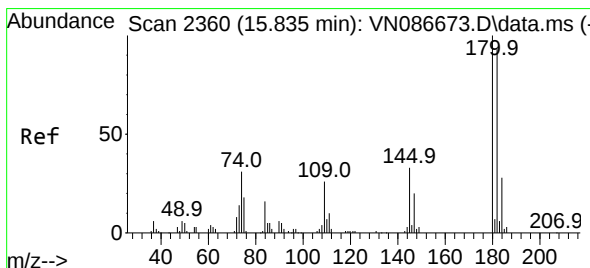
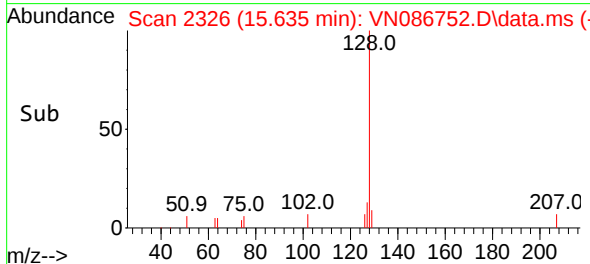
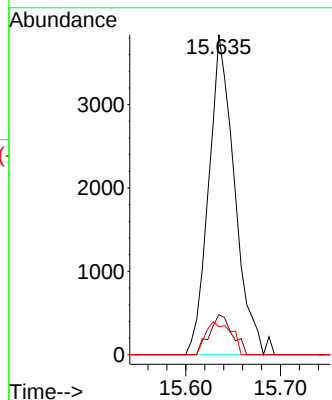
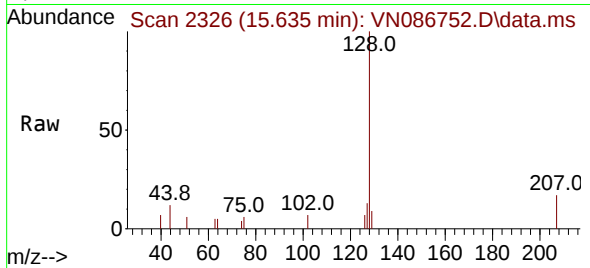




#95
Naphthalene
Concen: 0.813 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086752.D
Acq: 22 May 2025 09:19

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBL01

Tgt Ion:	128	Resp:	7302
Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.1	15.1
129	10.2	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.216 ug/l
RT: 15.829 min Scan# 2359
Delta R.T. -0.006 min
Lab File: VN086752.D
Acq: 22 May 2025 09:19

Tgt Ion:	180	Resp:	546
Ion	Ratio	Lower	Upper
180	100		
182	59.0	47.0	141.2
145	0.0	16.7	50.1#

