

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
 Data File : VN086506.D
 Acq On : 06 May 2025 11:35
 Operator : JC\MD
 Sample : VN0506WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBL01

Quant Time: May 07 02:54:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

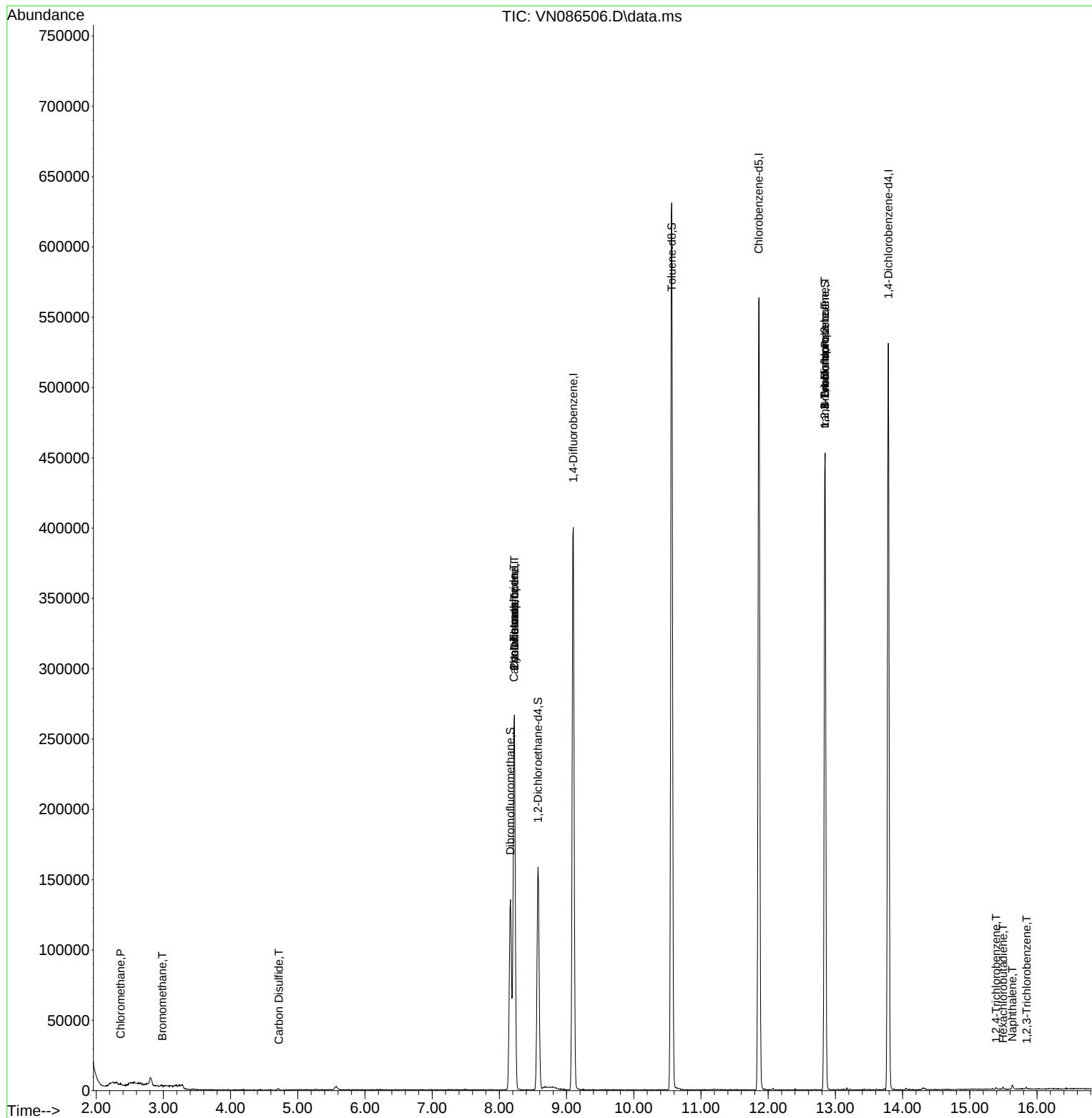
Internal Standards						
1) Pentafluorobenzene	8.224	168	200028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	363115	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	340109	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	148177	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	133375	45.982	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	91.960%	
35) Dibromofluoromethane	8.165	113	100944	59.898	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	119.800%	
50) Toluene-d8	10.565	98	455335	50.554	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	101.100%	
62) 4-Bromofluorobenzene	12.847	95	165005	50.227	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	100.460%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1019	0.296	ug/l #	88
5) Bromomethane	2.983	94	551	0.372	ug/l #	52
13) Acrolein	4.189	56	119	Below Cal	#	80
16) Acetone	4.430	43	561	Below Cal	#	43
17) Carbon Disulfide	4.718	76	1574	0.223	ug/l #	74
31) Cyclohexane	8.224	56	4205	0.895	ug/l #	19
36) 1,1-Dichloropropene	8.224	75	16326	4.850	ug/l #	49
38) Carbon Tetrachloride	8.218	117	19604	6.116	ug/l #	16
43) Isopropyl Acetate	8.659	43	937	Below Cal	#	55
71) Bromoform	12.847	173	937	0.497	ug/l #	1
76) 1,2,3-Trichloropropane	12.841	75	83554	23.895	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.841	75	83554	57.386	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.394	180	549	0.234	ug/l #	77
94) Hexachlorobutadiene	15.494	225	524	0.592	ug/l #	36
95) Naphthalene	15.635	128	3262	0.393	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.847	180	456	0.205	ug/l #	81

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

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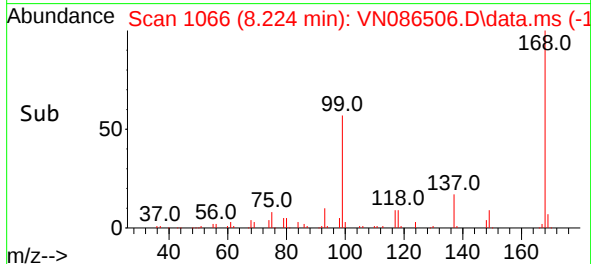
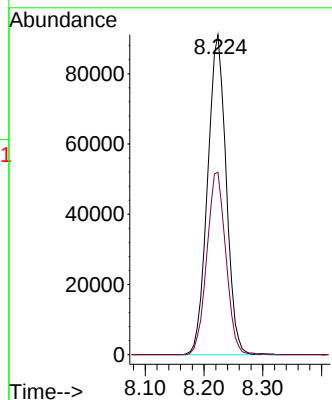
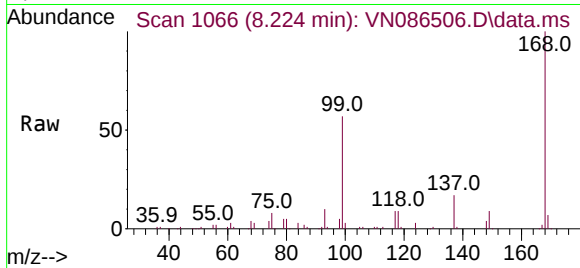




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

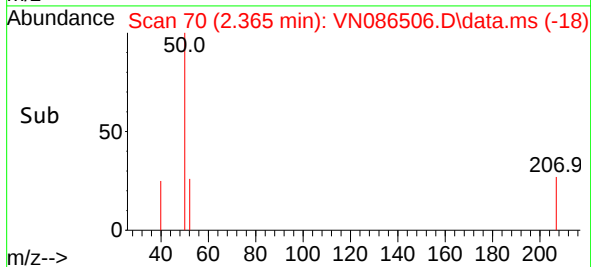
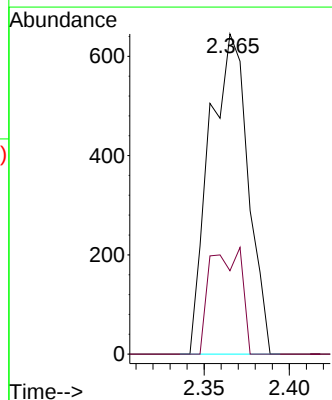
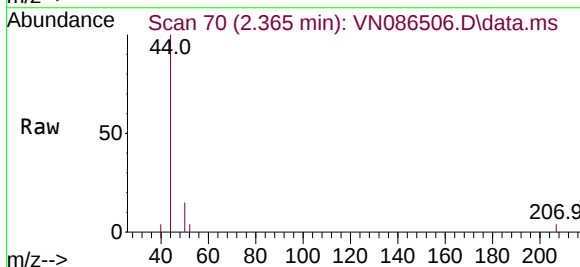
Instrument :
MSVOA_N
ClientSampleId :
VN0506WBL01

Tgt Ion:168 Resp: 200028
Ion Ratio Lower Upper
168 100
99 57.0 52.5 78.7



#3
Chloromethane
Concen: 0.296 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

Tgt Ion: 50 Resp: 1019
Ion Ratio Lower Upper
50 100
52 26.0 26.5 39.7#

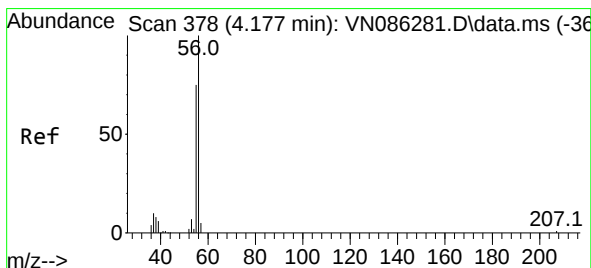
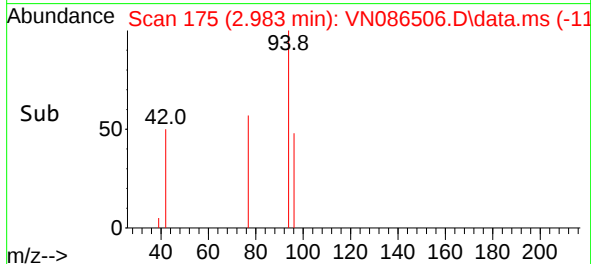
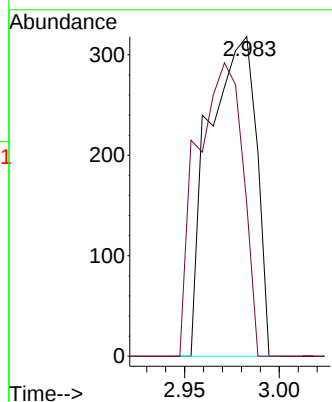
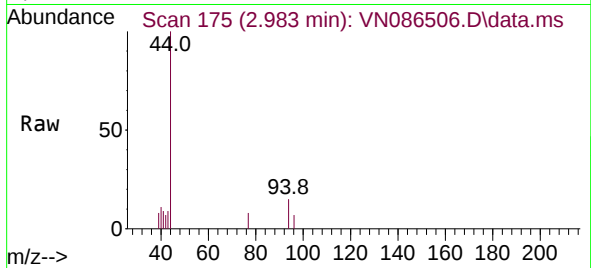




#5
Bromomethane
Concen: 0.372 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

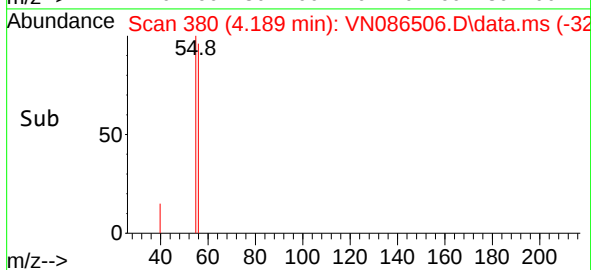
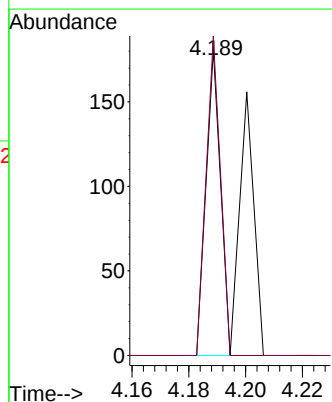
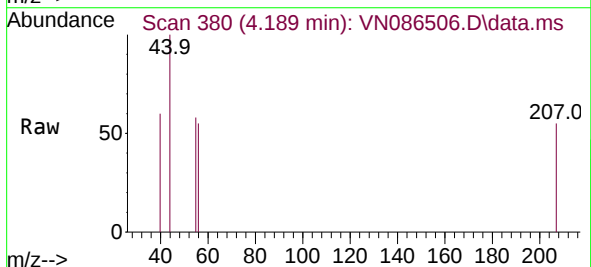
Instrument :
MSVOA_N
ClientSampleId :
VN0506WBL01

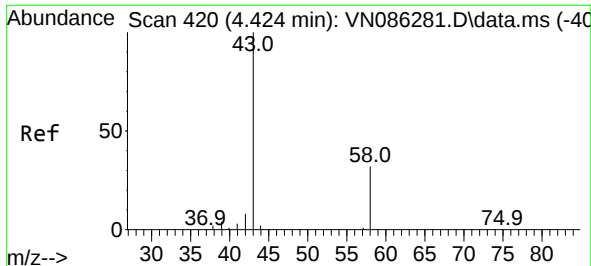
Tgt Ion: 94 Resp: 551
Ion Ratio Lower Upper
94 100
96 47.8 75.2 112.8#



#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

Tgt Ion: 56 Resp: 119
Ion Ratio Lower Upper
56 100
55 56.3 58.5 87.7#

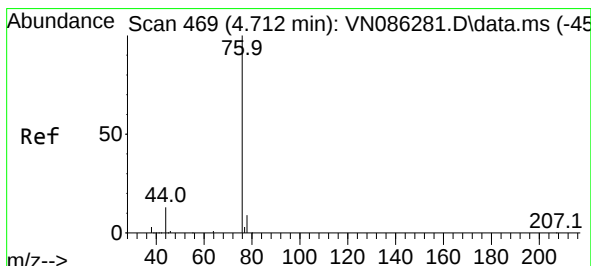
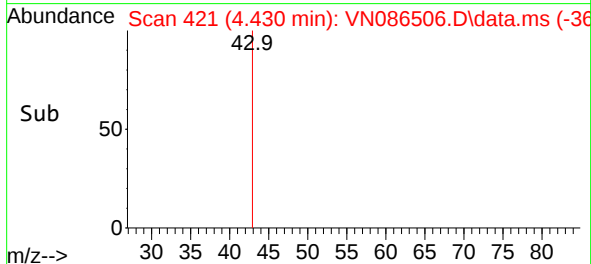
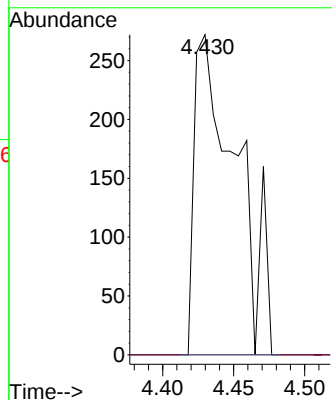
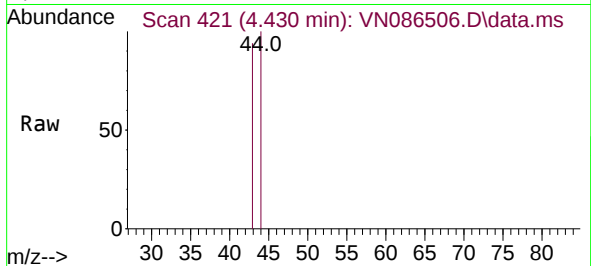




#16
Acetone
Concen: Below Cal
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

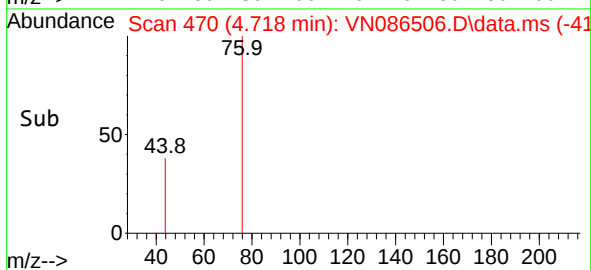
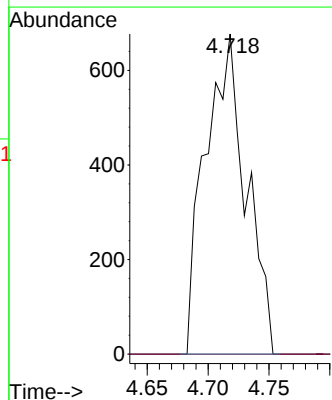
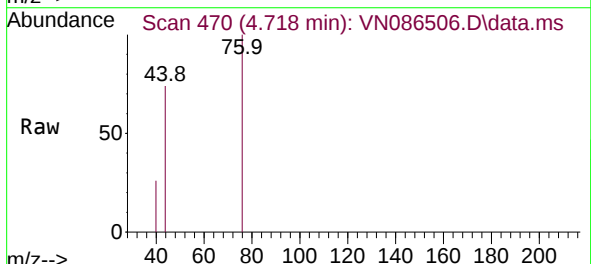
Instrument :
MSVOA_N
ClientSampleId :
VN0506WBL01

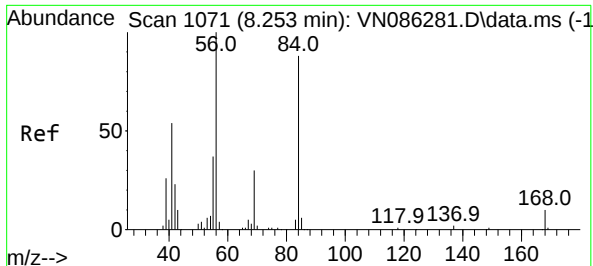
Tgt Ion: 43 Resp: 561
Ion Ratio Lower Upper
43 100
58 0.0 25.3 37.9#



#17
Carbon Disulfide
Concen: 0.223 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

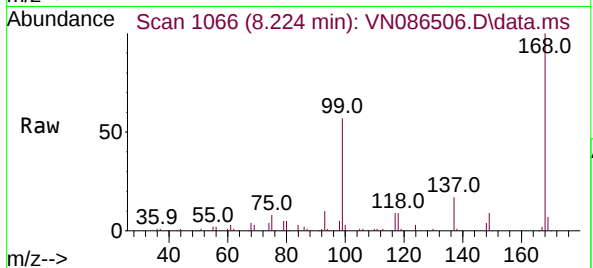
Tgt Ion: 76 Resp: 1574
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



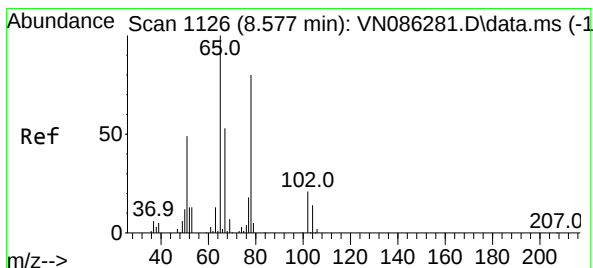
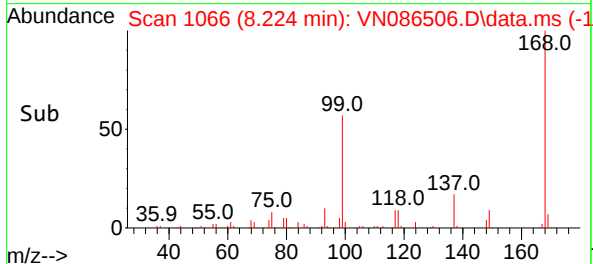
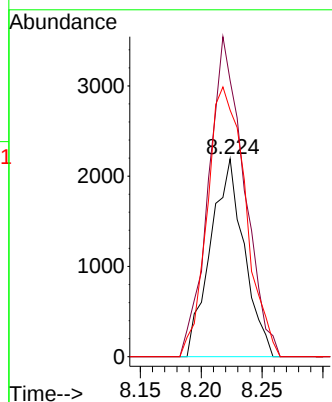


#31
Cyclohexane
Concen: 0.895 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBL01

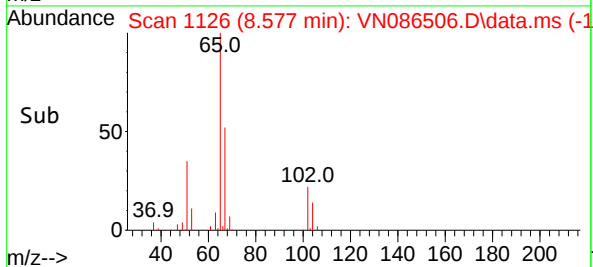
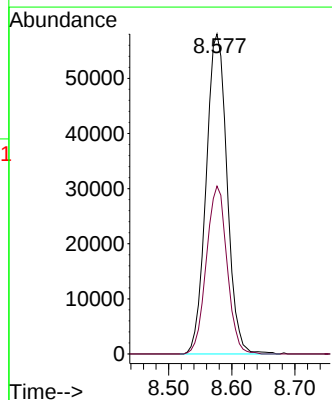
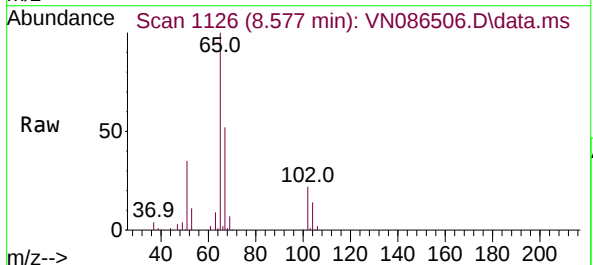


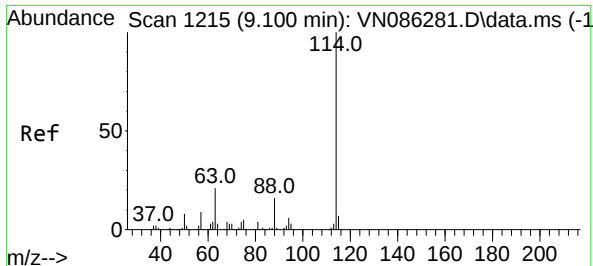
Tgt Ion: 56 Resp: 4205
Ion Ratio Lower Upper
56 100
69 139.5 24.2 36.2#
84 124.5 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 45.982 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

Tgt Ion: 65 Resp: 133375
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.0

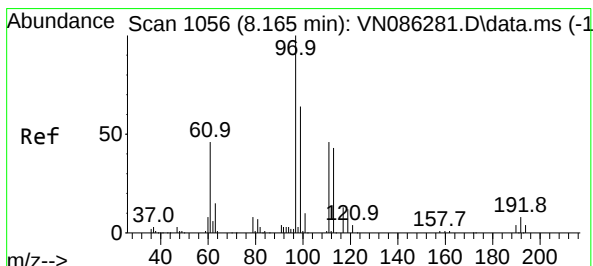
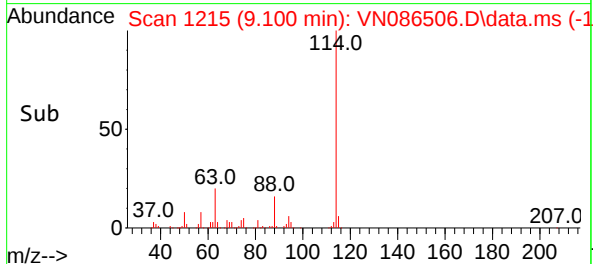
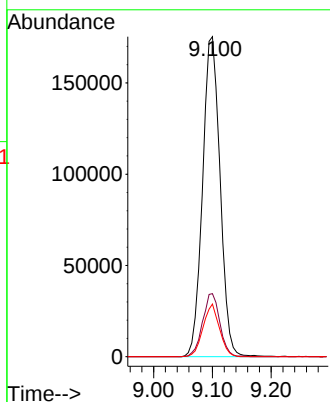
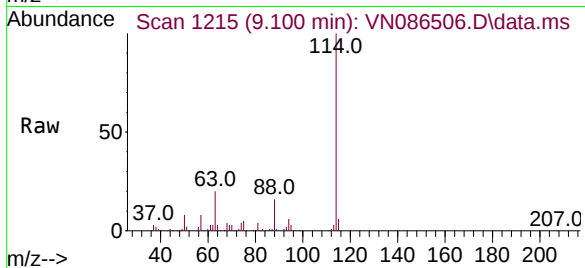




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

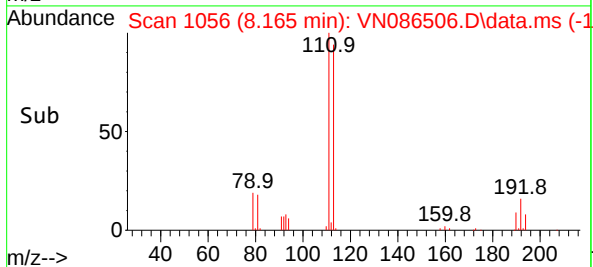
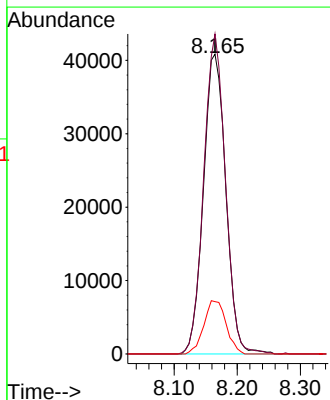
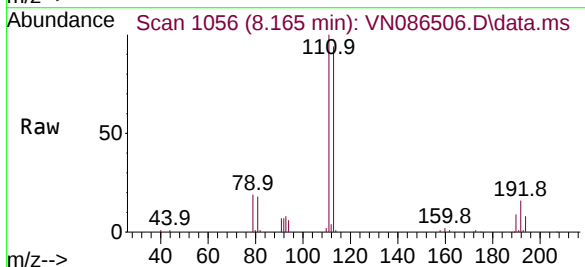
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MSVOA_N
ClientSampleId :
VN0506WBL01

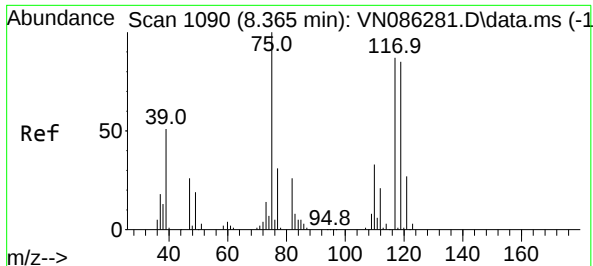
Tgt Ion:114 Resp: 363115
Ion Ratio Lower Upper
114 100
63 19.7 0.0 42.6
88 16.5 0.0 31.8



#35
Dibromofluoromethane
Concen: 59.898 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

Tgt Ion:113 Resp: 100944
Ion Ratio Lower Upper
113 100
111 102.8 83.4 125.0
192 17.6 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.850 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086506.D

Acq: 06 May 2025 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBL01

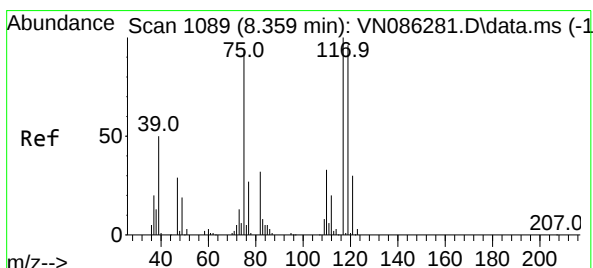
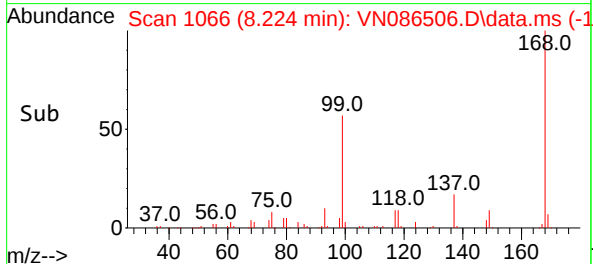
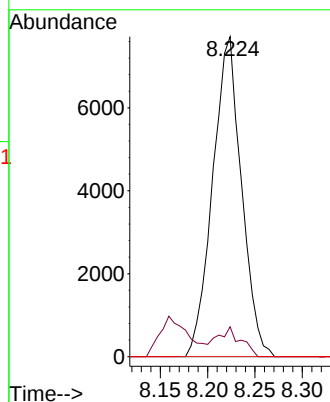
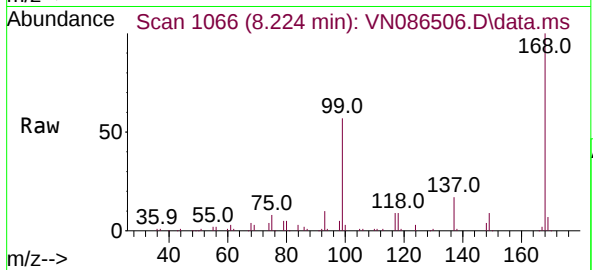
Tgt Ion: 75 Resp: 16326

Ion Ratio Lower Upper

75 100

110 7.5 16.8 50.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.116 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN086506.D

Acq: 06 May 2025 11:35

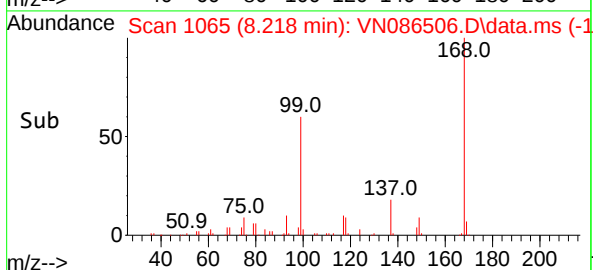
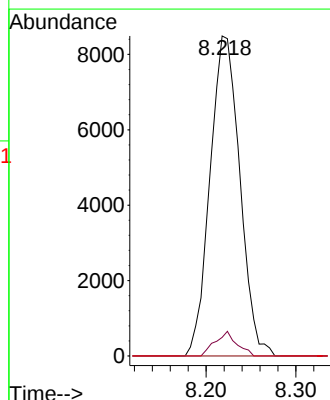
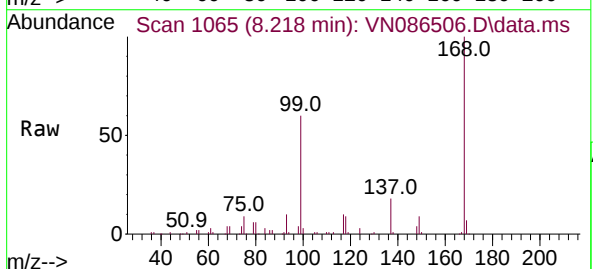
Tgt Ion: 117 Resp: 19604

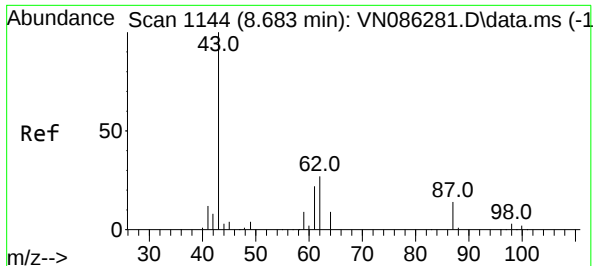
Ion Ratio Lower Upper

117 100

119 5.8 76.8 115.2#

121 0.0 23.8 35.8#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.659 min Scan# 1144

Delta R.T. -0.024 min

Lab File: VN086506.D

Acq: 06 May 2025 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBL01

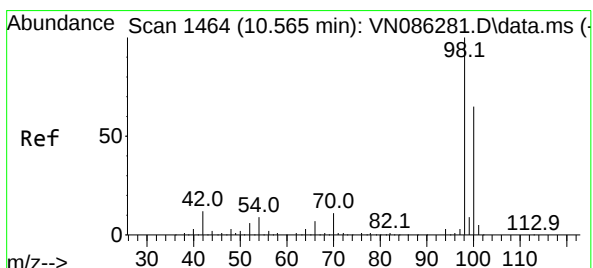
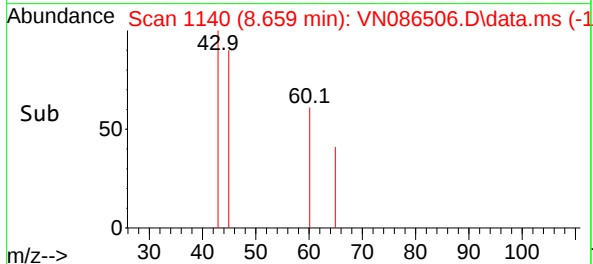
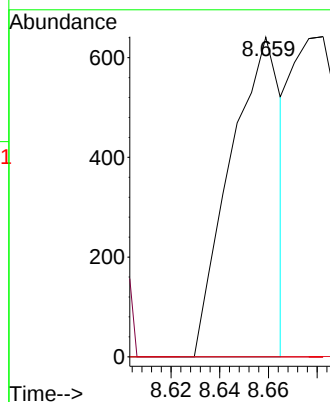
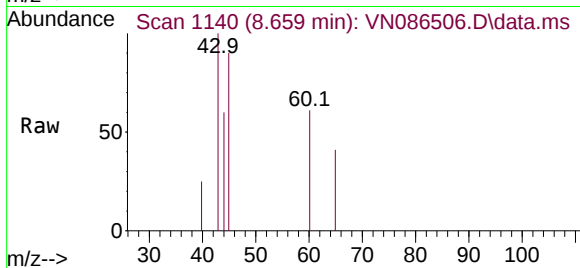
Tgt Ion: 43 Resp: 937

Ion Ratio Lower Upper

43 100

61 0.0 20.5 30.7#

87 0.0 10.5 15.7#



#50

Toluene-d8

Concen: 50.554 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086506.D

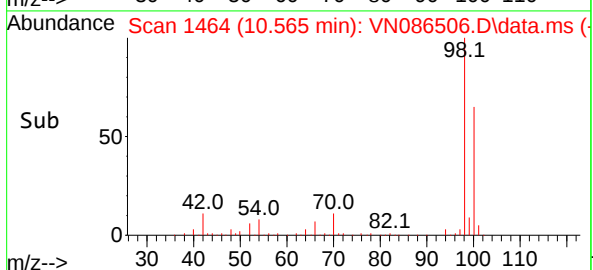
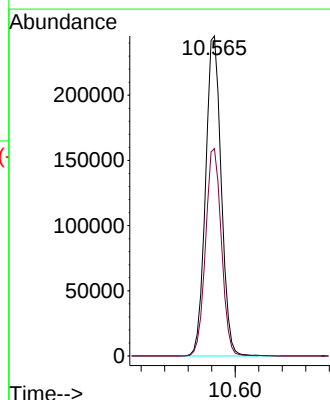
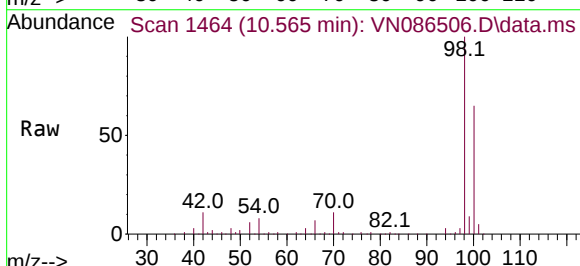
Acq: 06 May 2025 11:35

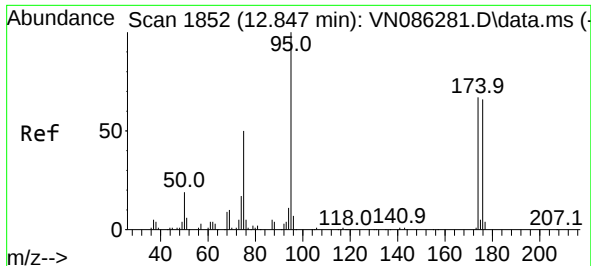
Tgt Ion: 98 Resp: 455335

Ion Ratio Lower Upper

98 100

100 65.5 52.5 78.7

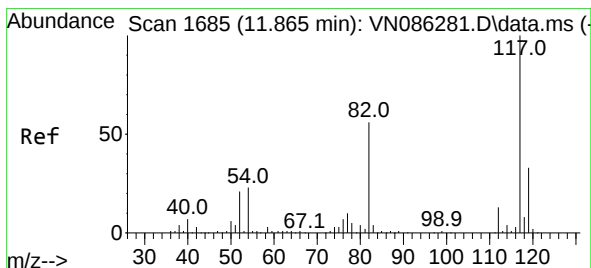
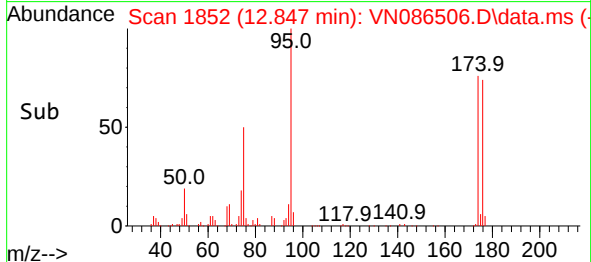
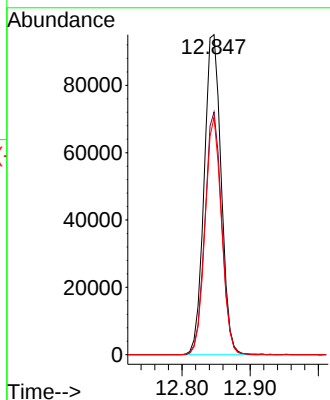
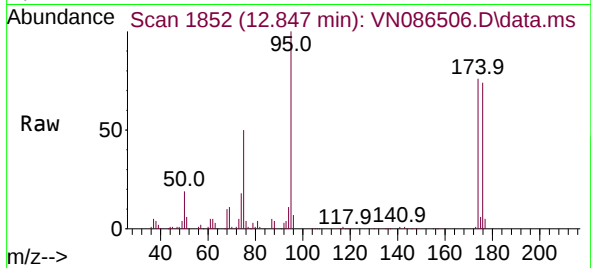




#62
4-Bromofluorobenzene
Concen: 50.227 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

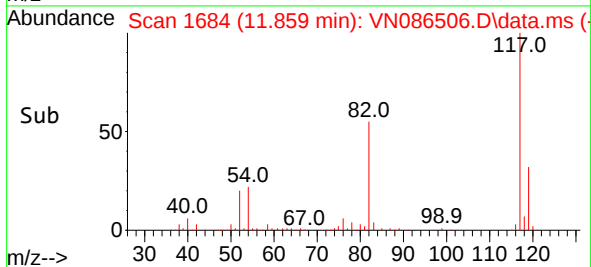
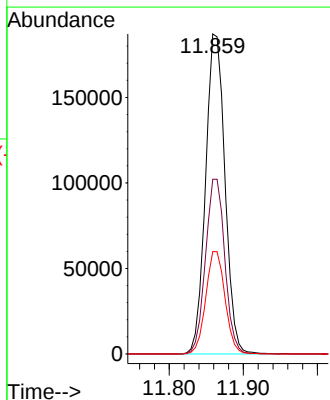
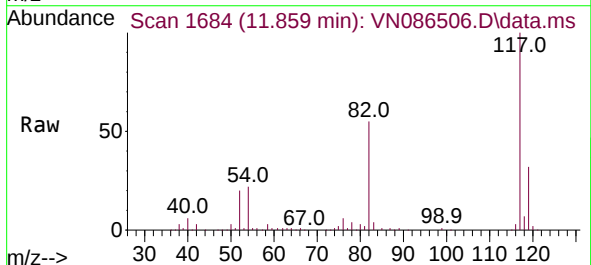
Instrument :
MSVOA_N
ClientSampleId :
VN0506WBL01

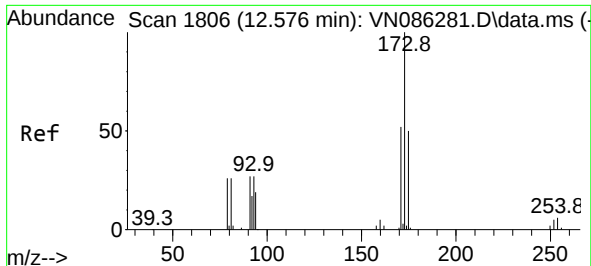
Tgt Ion: 95 Resp: 165005
Ion Ratio Lower Upper
95 100
174 74.6 0.0 133.4
176 71.6 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

Tgt Ion: 117 Resp: 340109
Ion Ratio Lower Upper
117 100
82 54.6 44.7 67.1
119 32.0 26.4 39.6

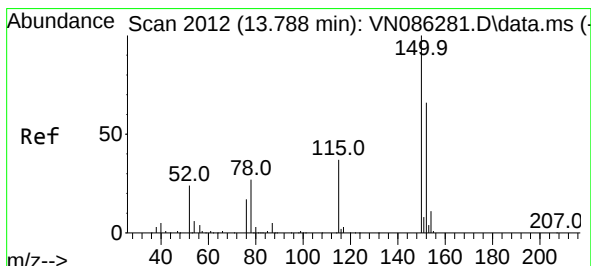
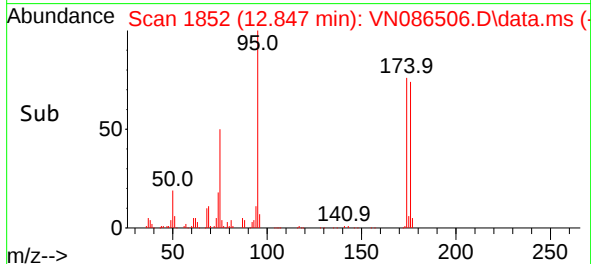
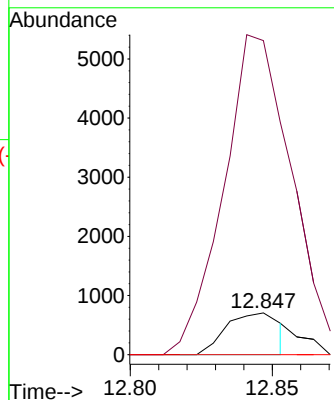
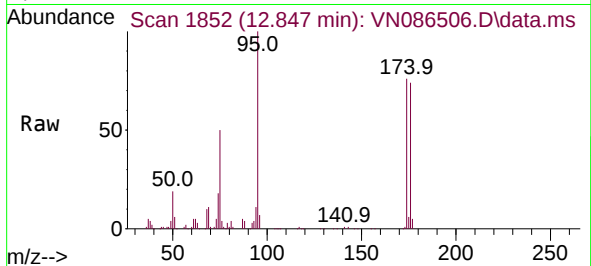




#71
Bromoform
Concen: 0.497 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.270 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

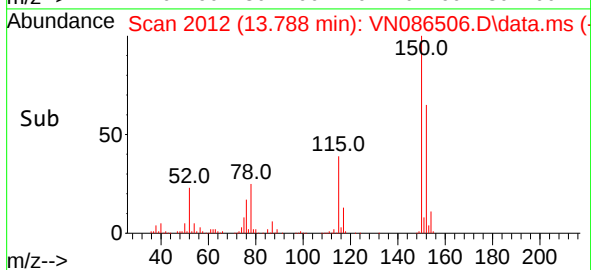
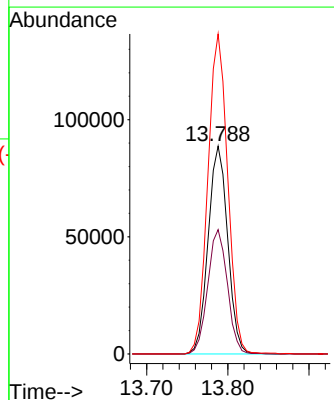
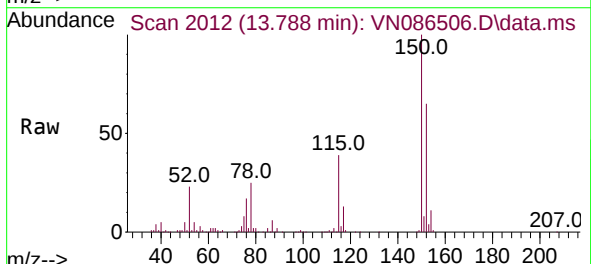
Instrument :
MSVOA_N
ClientSampleId :
VN0506WBL01

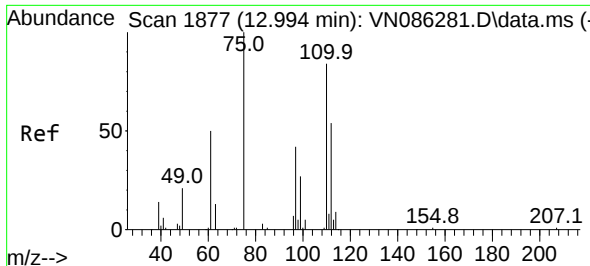
Tgt Ion:173 Resp: 937
Ion Ratio Lower Upper
173 100
175 792.2 24.6 73.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

Tgt Ion:152 Resp: 148177
Ion Ratio Lower Upper
152 100
115 60.0 31.9 95.9
150 155.7 0.0 352.0

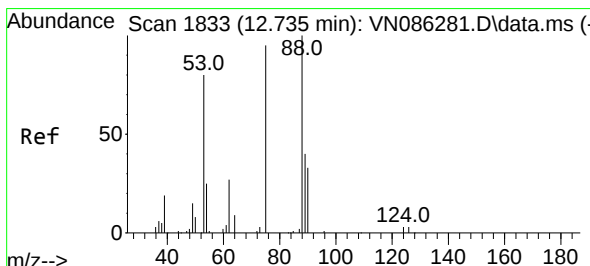
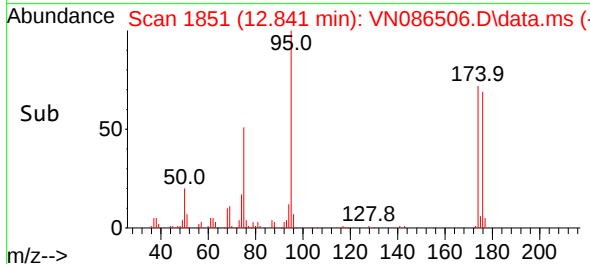
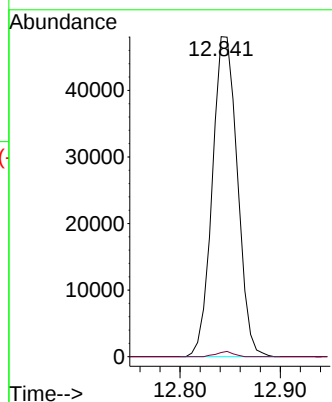
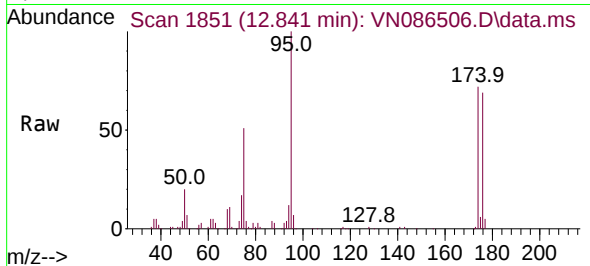




#76
1,2,3-Trichloropropane
Concen: 23.895 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.153 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

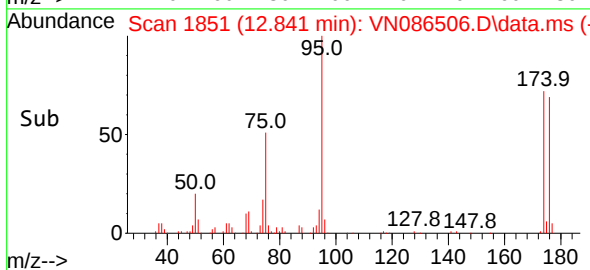
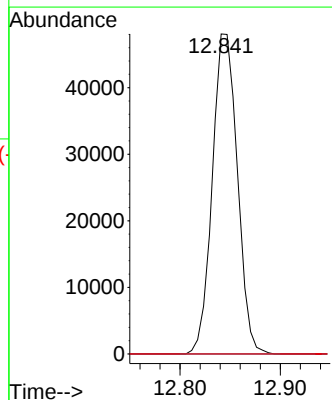
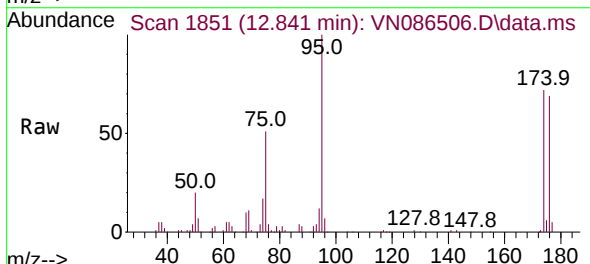
Instrument :
MSVOA_N
ClientSampleId :
VN0506WBL01

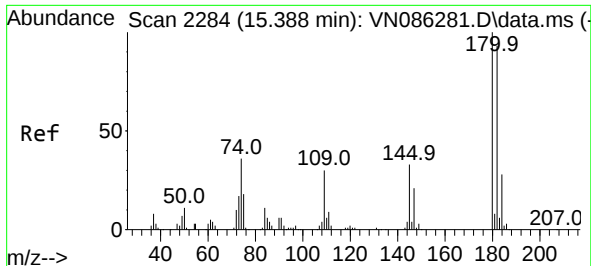
Tgt Ion: 75 Resp: 83554
Ion Ratio Lower Upper
75 100
77 1.1 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.386 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.106 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

Tgt Ion: 75 Resp: 83554
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

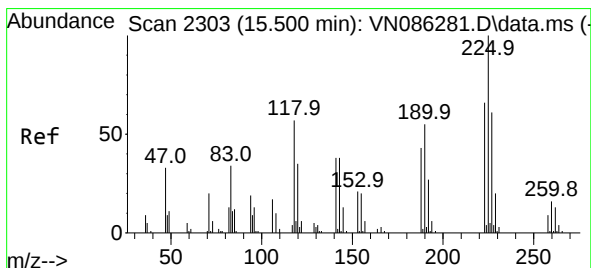
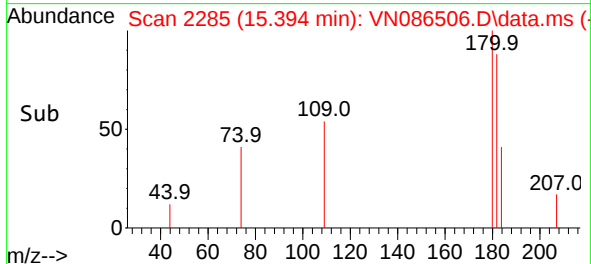
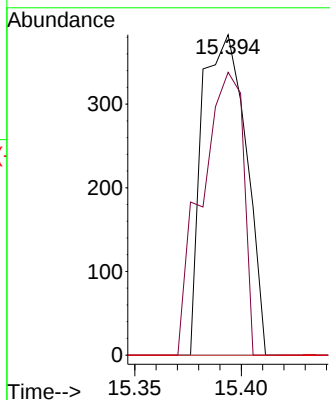
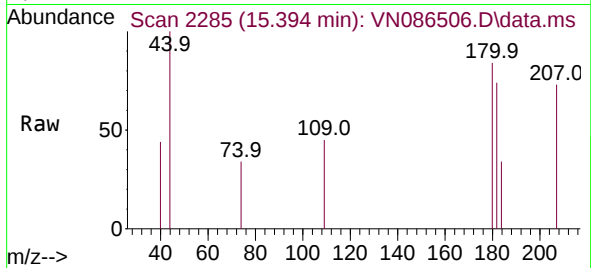




#93
1,2,4-Trichlorobenzene
Concen: 0.234 ug/l
RT: 15.394 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

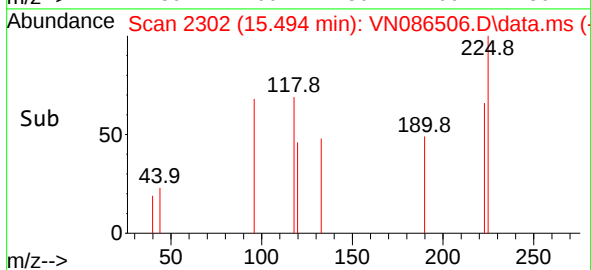
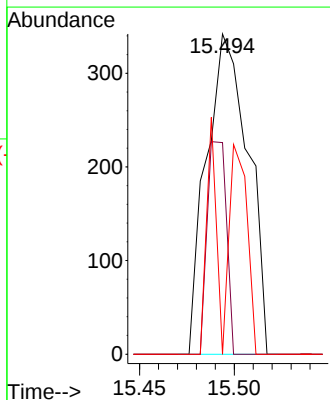
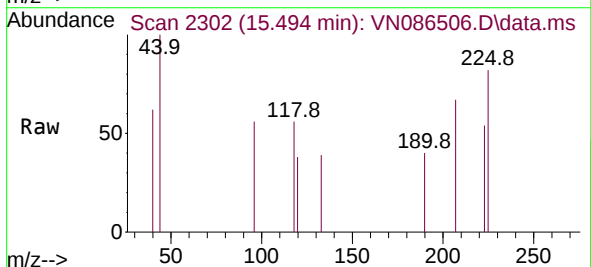
Instrument :
MSVOA_N
ClientSampleId :
VN0506WBL01

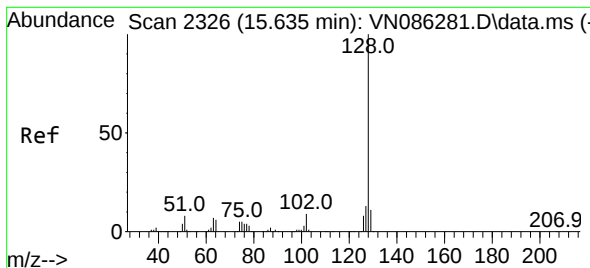
Tgt Ion:180 Resp: 549
Ion Ratio Lower Upper
180 100
182 84.2 47.0 141.0
145 0.0 16.4 49.1#



#94
Hexachlorobutadiene
Concen: 0.592 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

Tgt Ion:225 Resp: 524
Ion Ratio Lower Upper
225 100
223 0.0 32.8 98.3#
227 27.9 31.4 94.0#

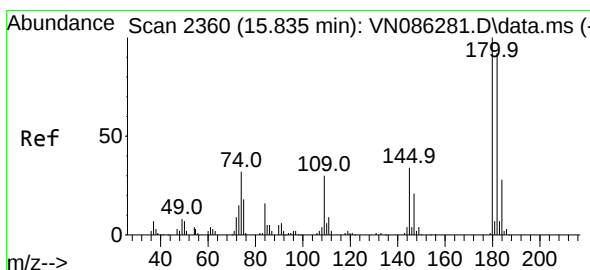
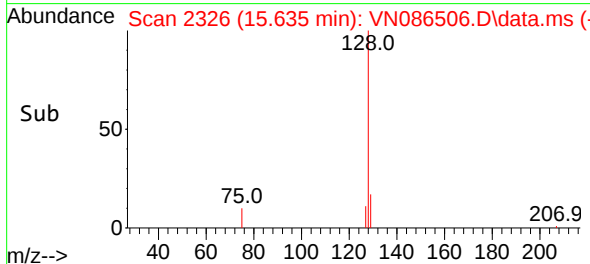
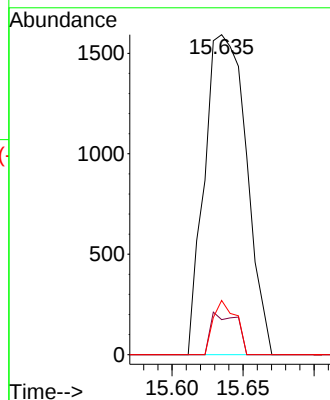
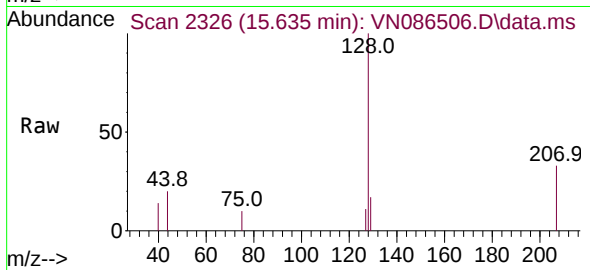




#95
Naphthalene
Concen: 0.393 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBL01

Tgt Ion:128 Resp: 3262
Ion Ratio Lower Upper
128 100
127 8.2 10.2 15.4#
129 9.2 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.205 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.012 min
Lab File: VN086506.D
Acq: 06 May 2025 11:35

Tgt Ion:180 Resp: 456
Ion Ratio Lower Upper
180 100
182 83.3 47.3 142.0
145 12.3 17.2 51.5#

