

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051525\
 Data File : VN086638.D
 Acq On : 15 May 2025 12:22
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 16 05:25:14 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)

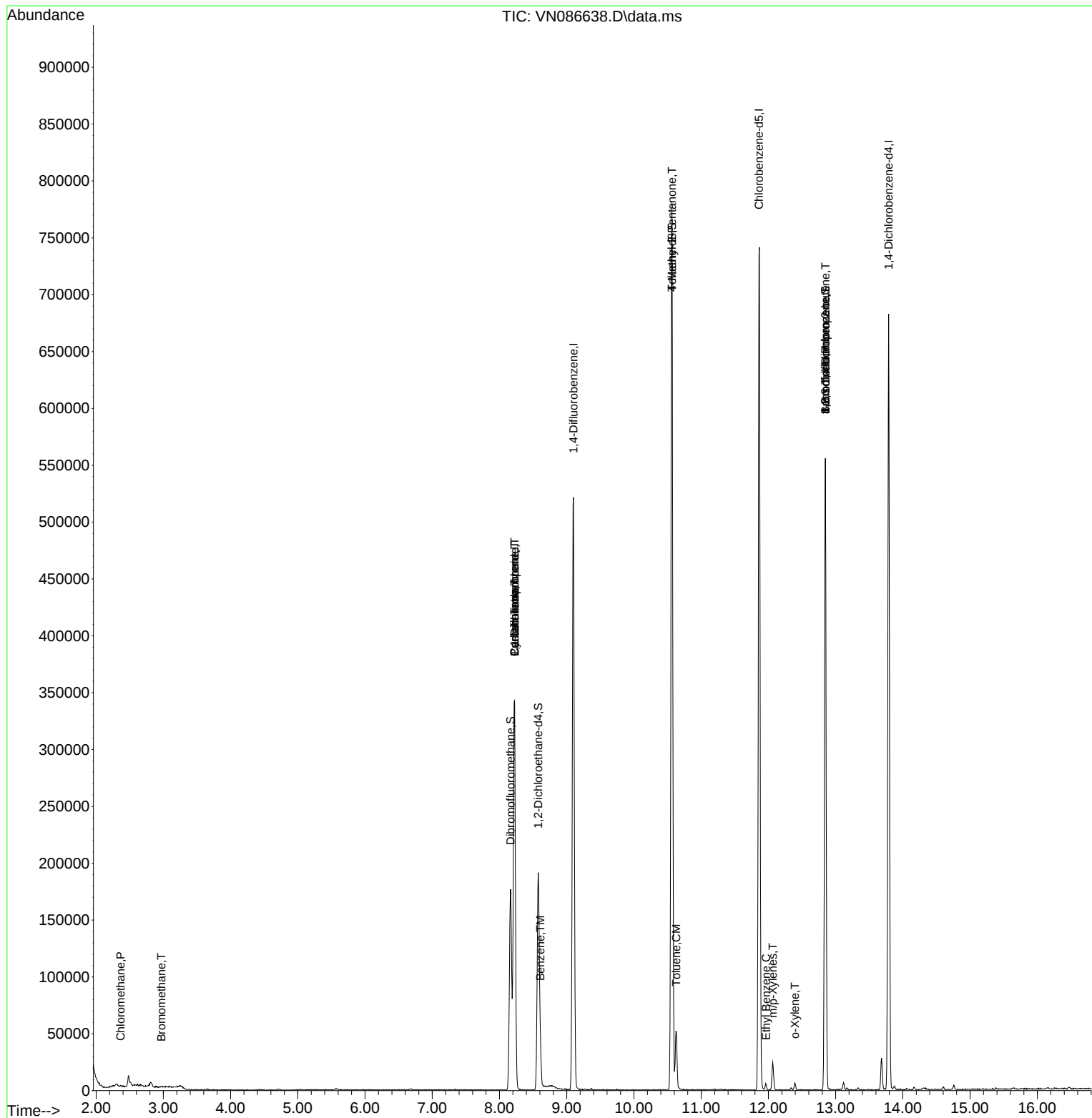
Internal Standards						
1) Pentafluorobenzene	8.224	168	265252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	484332	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	465165	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	196214	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	154954	40.286	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	80.580%	
35) Dibromofluoromethane	8.165	113	133789	59.519	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	119.040%	
50) Toluene-d8	10.565	98	565518	47.073	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	94.140%	
62) 4-Bromofluorobenzene	12.847	95	205808	46.968	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	93.940%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1098	0.240	ug/l	100
5) Bromomethane	2.971	94	523	0.267	ug/l	86
16) Acetone	4.436	43	1239	Below Cal	#	43
31) Cyclohexane	8.224	56	5860	0.940	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	19668	4.381	ug/l #	50
38) Carbon Tetrachloride	8.224	117	25658	6.001	ug/l #	15
40) Benzene	8.606	78	33613	2.337	ug/l	97
43) Isopropyl Acetate	8.677	43	3320	Below Cal	#	55
51) 4-Methyl-2-Pentanone	10.565	43	2338	0.483	ug/l #	1
52) Toluene	10.630	92	23242	2.589	ug/l	97
67) Ethyl Benzene	11.965	91	4481	0.239	ug/l	94
68) m/p-Xylenes	12.065	106	8274	1.179	ug/l	98
69) o-Xylene	12.394	106	1575	0.227	ug/l	75
71) Bromoform	12.847	173	1012	0.392	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	99435	21.475	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	99435	51.574	ug/l #	10

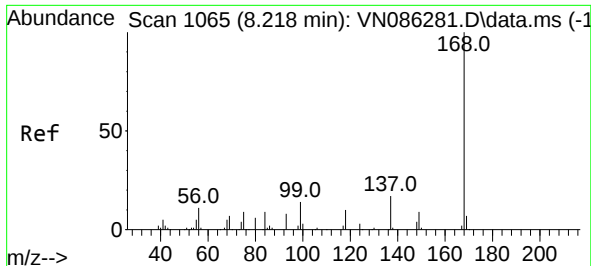
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 16 05:25:14 2025
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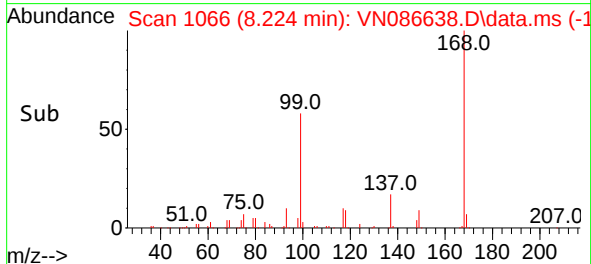
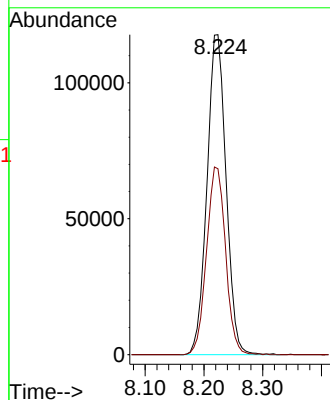
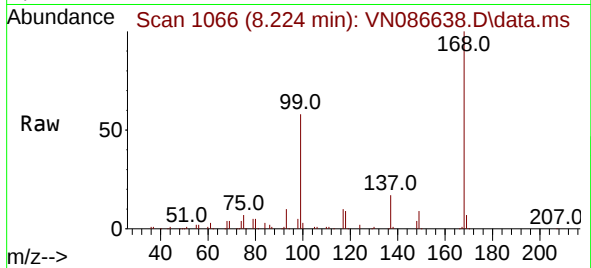




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086638.D
Acq: 15 May 2025 12:22

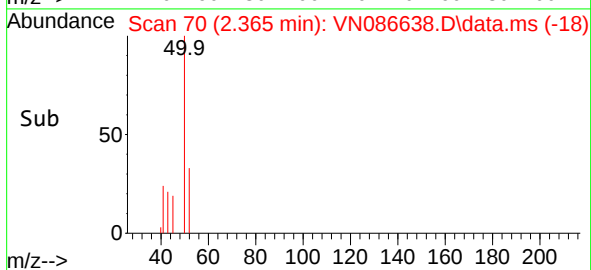
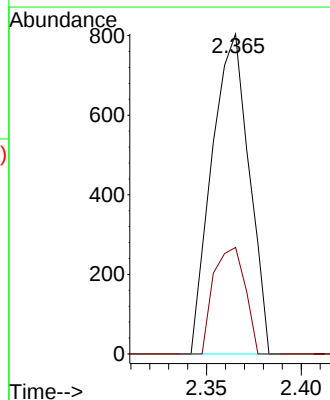
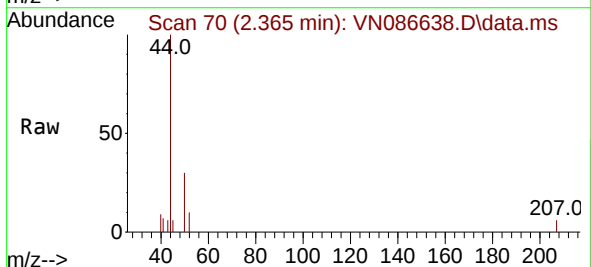
Instrument :
MSVOA_N
ClientSampleId :
IBLK

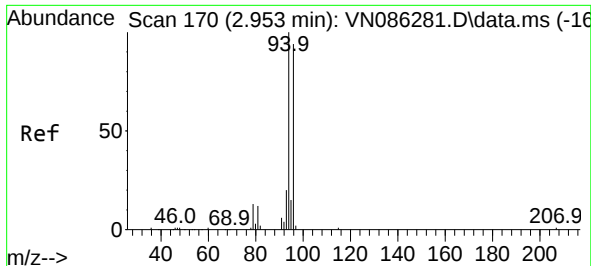
Tgt Ion:168 Resp: 265252
Ion Ratio Lower Upper
168 100
99 58.1 52.5 78.7



#3
Chloromethane
Concen: 0.240 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086638.D
Acq: 15 May 2025 12:22

Tgt Ion: 50 Resp: 1098
Ion Ratio Lower Upper
50 100
52 33.3 26.5 39.7

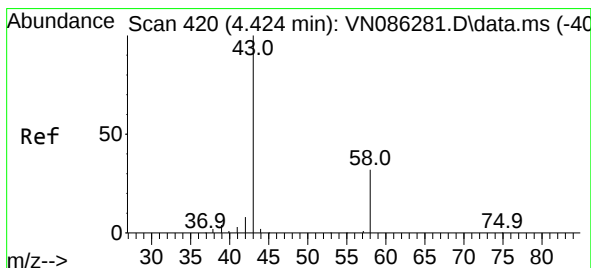
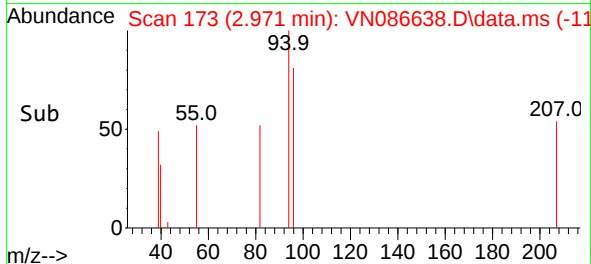
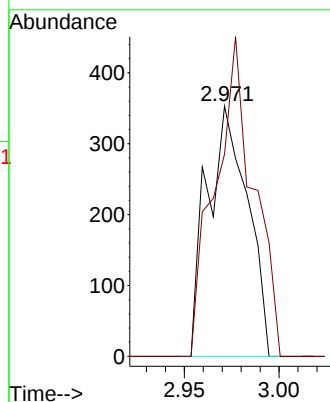
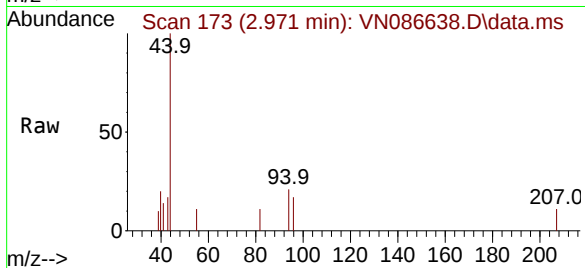




#5
Bromomethane
Concen: 0.267 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN086638.D
Acq: 15 May 2025 12:22

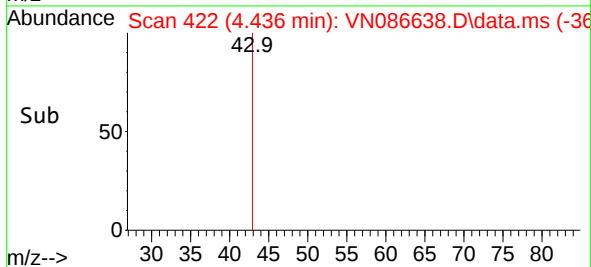
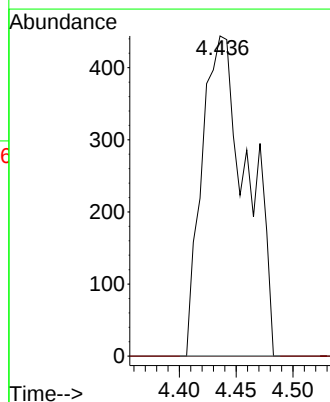
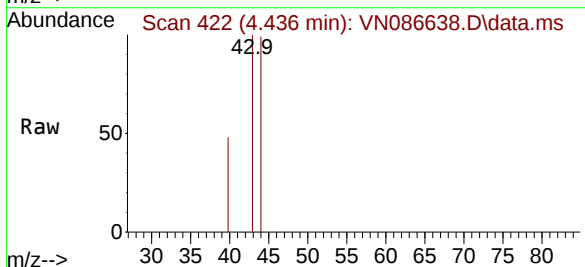
Instrument :
MSVOA_N
ClientSampleId :
IBLK

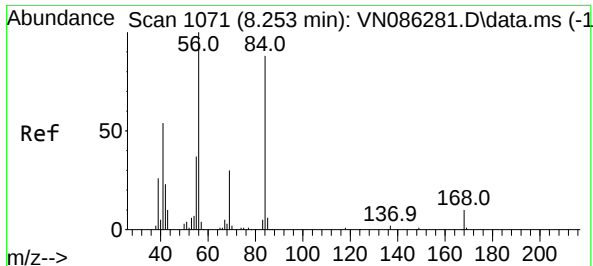
Tgt Ion: 94 Resp: 523
Ion Ratio Lower Upper
94 100
96 80.7 75.2 112.8



#16
Acetone
Concen: Below Cal
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN086638.D
Acq: 15 May 2025 12:22

Tgt Ion: 43 Resp: 1239
Ion Ratio Lower Upper
43 100
58 0.0 25.3 37.9#

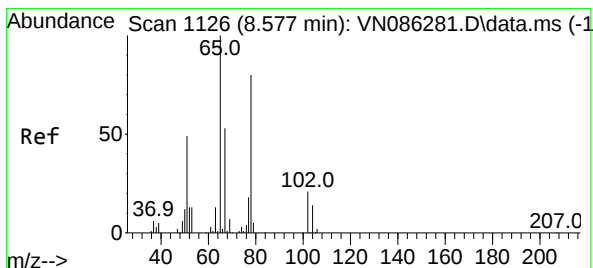
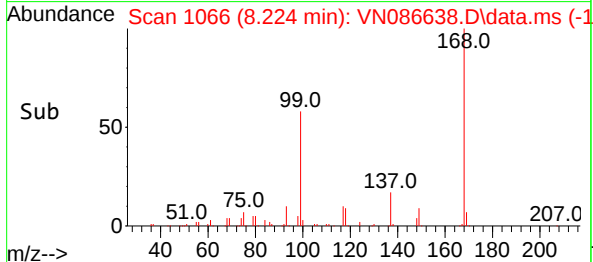
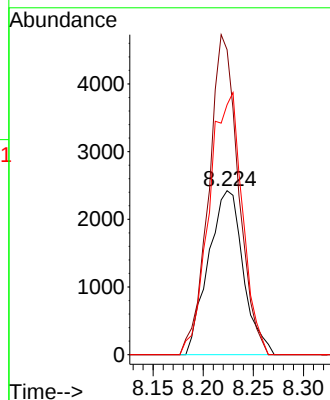
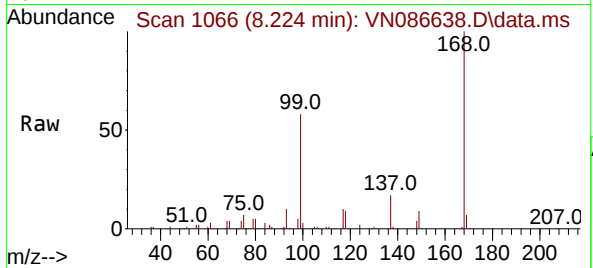




#31
Cyclohexane
Concen: 0.940 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086638.D
Acq: 15 May 2025 12:22

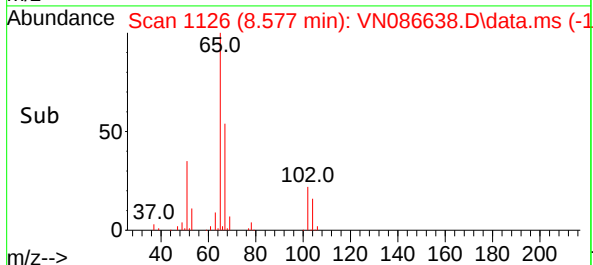
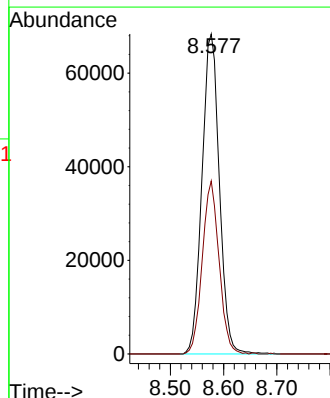
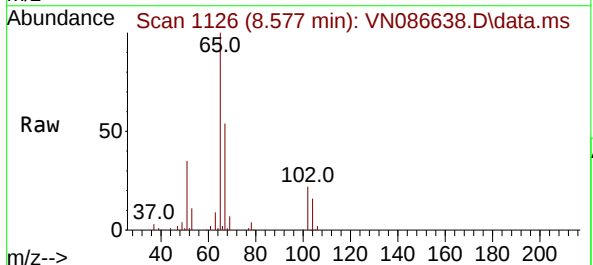
Instrument :
MSVOA_N
ClientSampleId :
IBLK

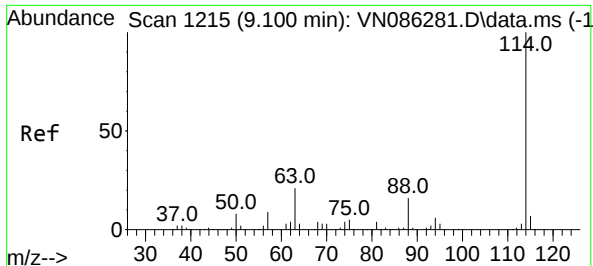
Tgt Ion: 56 Resp: 5860
Ion Ratio Lower Upper
56 100
69 186.0 24.2 36.2#
84 152.5 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 40.286 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086638.D
Acq: 15 May 2025 12:22

Tgt Ion: 65 Resp: 154954
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086638.D

Acq: 15 May 2025 12:22

Instrument :

MSVOA_N

ClientSampleId :

IBLK

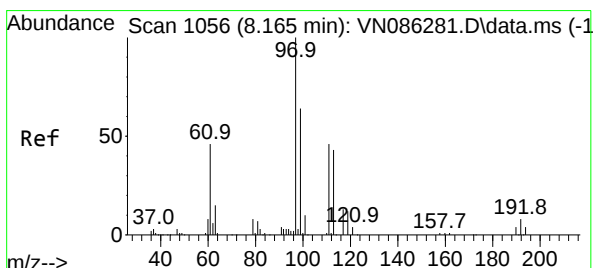
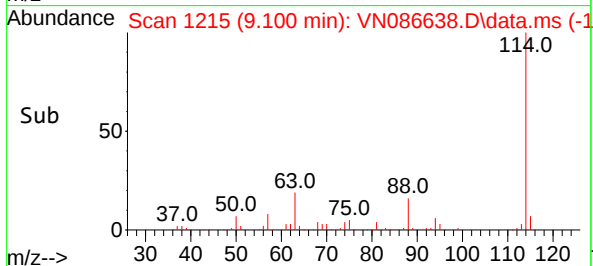
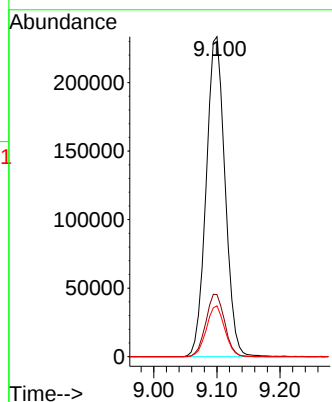
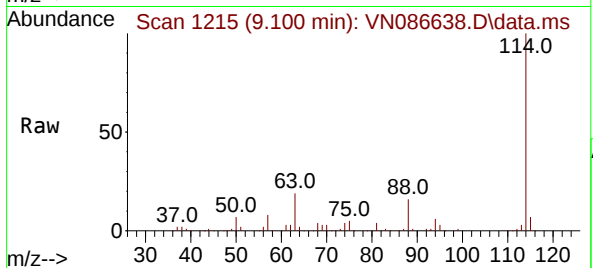
Tgt Ion:114 Resp: 484332

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

88 15.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 59.519 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086638.D

Acq: 15 May 2025 12:22

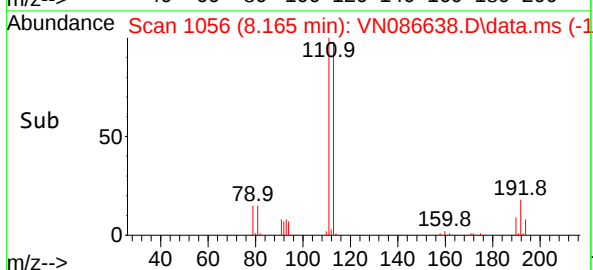
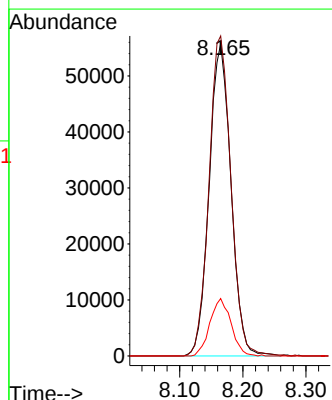
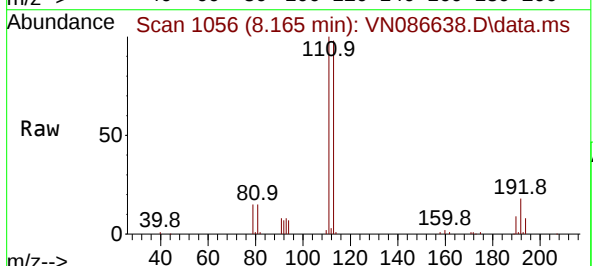
Tgt Ion:113 Resp: 133789

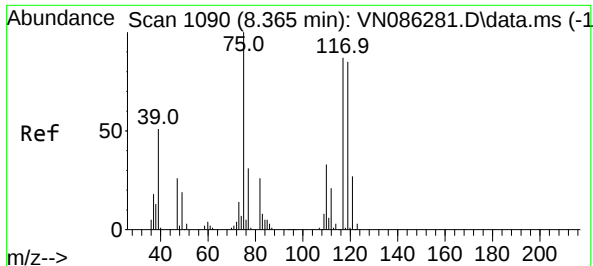
Ion Ratio Lower Upper

113 100

111 103.1 83.4 125.0

192 17.8 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.381 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086638.D

Acq: 15 May 2025 12:22

Instrument :

MSVOA_N

ClientSampleId :

IBLK

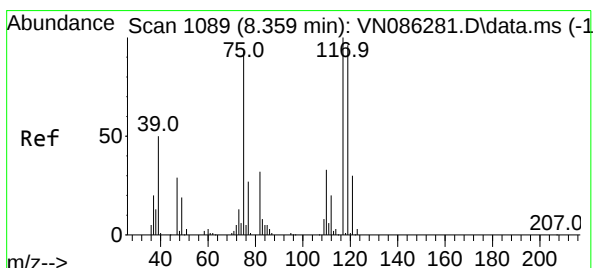
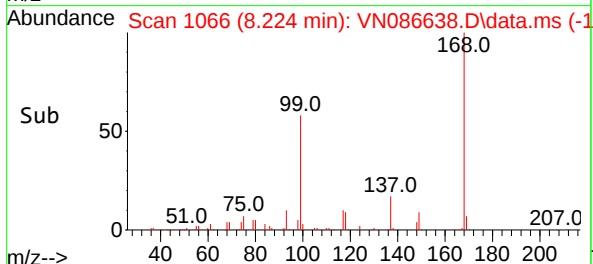
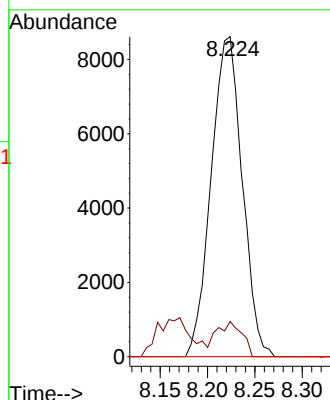
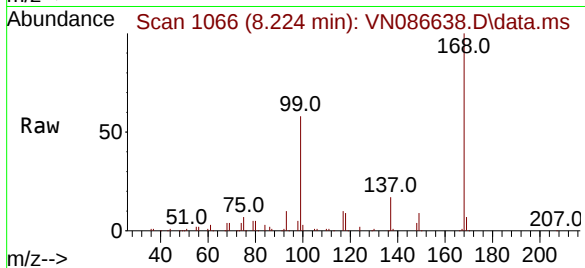
Tgt Ion: 75 Resp: 19668

Ion Ratio Lower Upper

75 100

110 9.0 16.8 50.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.001 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086638.D

Acq: 15 May 2025 12:22

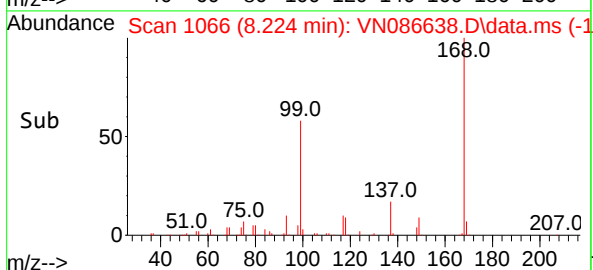
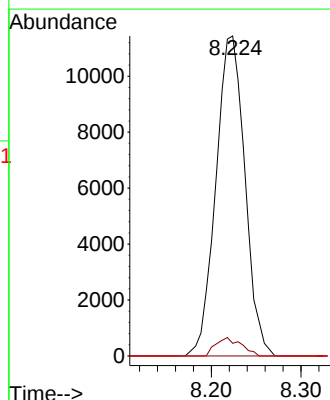
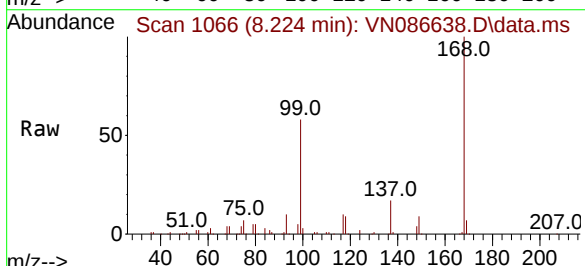
Tgt Ion: 117 Resp: 25658

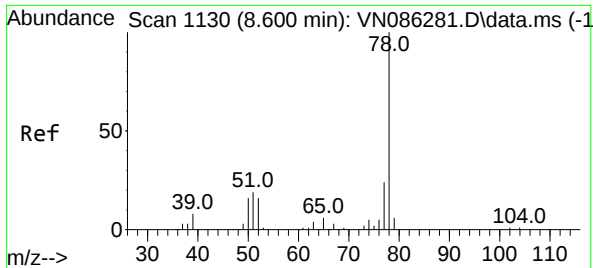
Ion Ratio Lower Upper

117 100

119 4.0 76.8 115.2#

121 0.0 23.8 35.8#

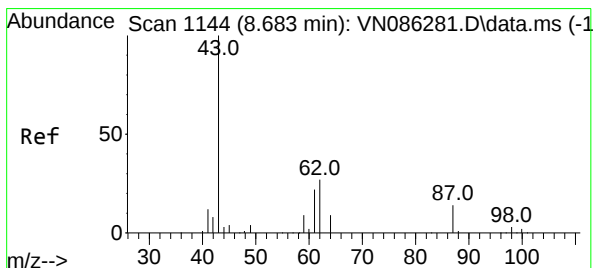
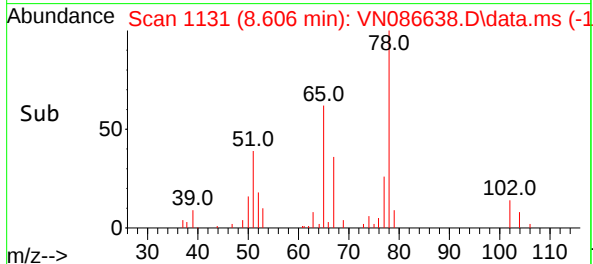
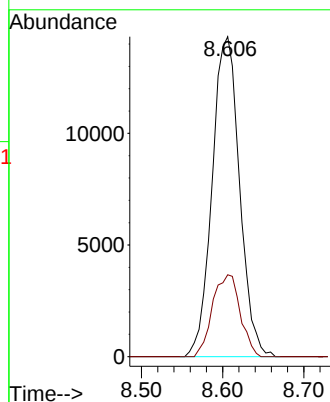
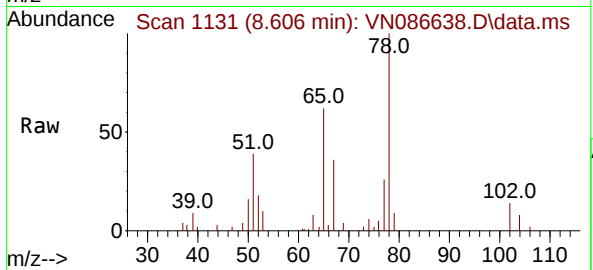




#40
Benzene
Concen: 2.337 ug/l
RT: 8.606 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VN086638.D
Acq: 15 May 2025 12:22

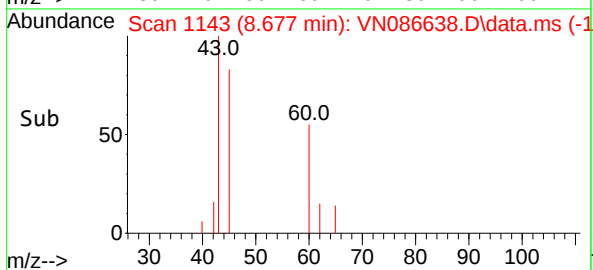
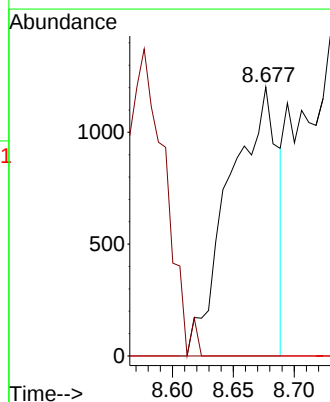
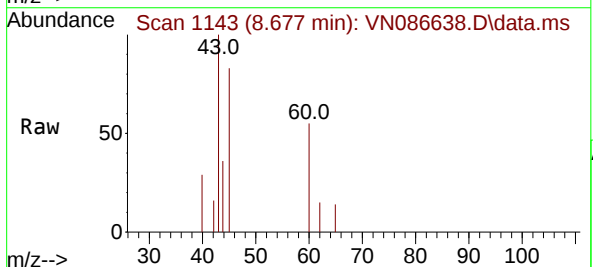
Instrument :
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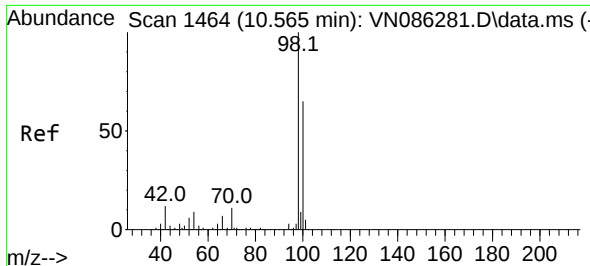
Tgt Ion: 78 Resp: 33613
Ion Ratio Lower Upper
78 100
77 25.6 19.4 29.2



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.677 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VN086638.D
Acq: 15 May 2025 12:22

Tgt Ion: 43 Resp: 3320
Ion Ratio Lower Upper
43 100
61 0.0 20.5 30.7#
87 0.0 10.5 15.7#

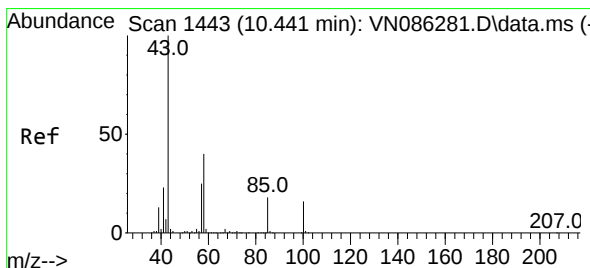
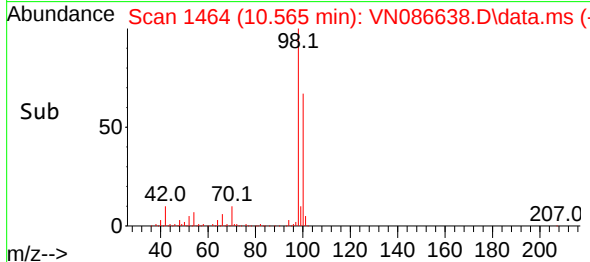
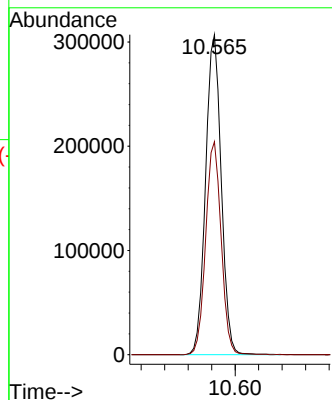
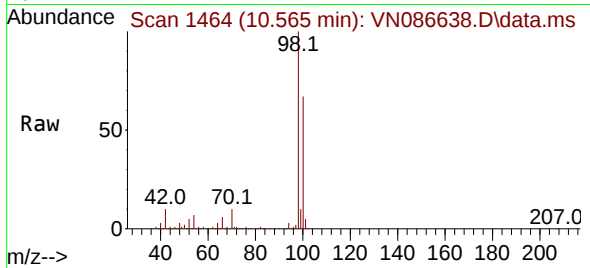




#50
Toluene-d8
Concen: 47.073 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086638.D
Acq: 15 May 2025 12:22

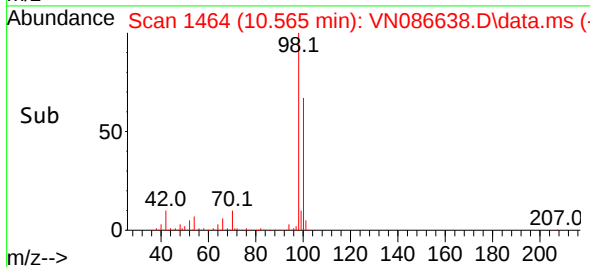
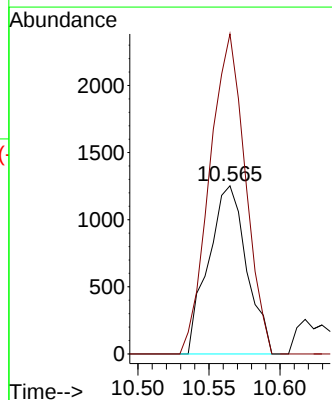
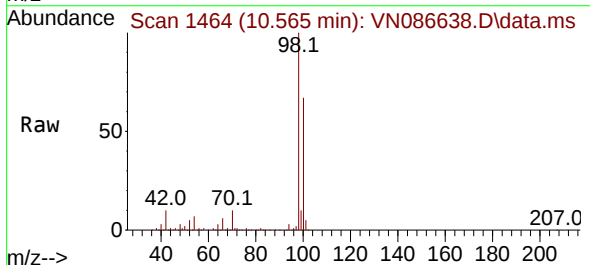
Instrument :
MSVOA_N
ClientSampleId :
IBLK

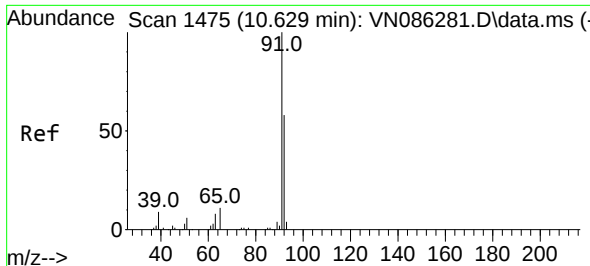
Tgt Ion: 98 Resp: 565518
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.483 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.124 min
Lab File: VN086638.D
Acq: 15 May 2025 12:22

Tgt Ion: 43 Resp: 2338
Ion Ratio Lower Upper
43 100
58 178.0 32.2 48.4#

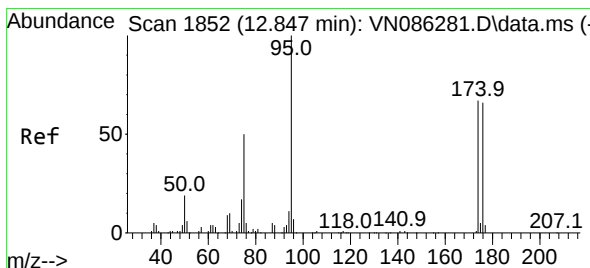
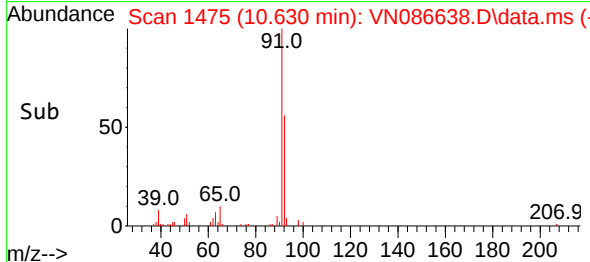
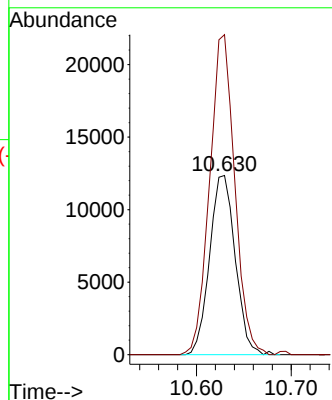
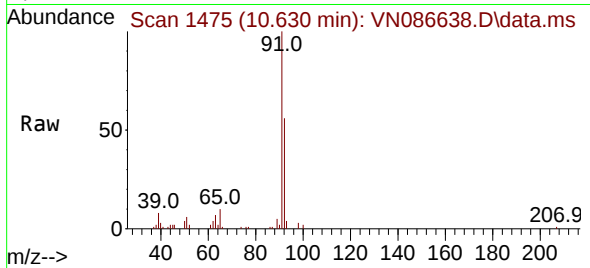




#52
Toluene
Concen: 2.589 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN086638.D
Acq: 15 May 2025 12:22

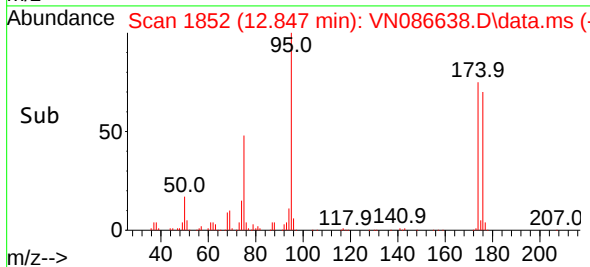
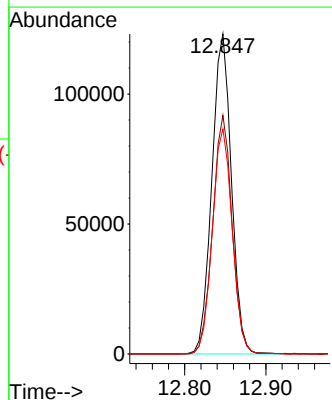
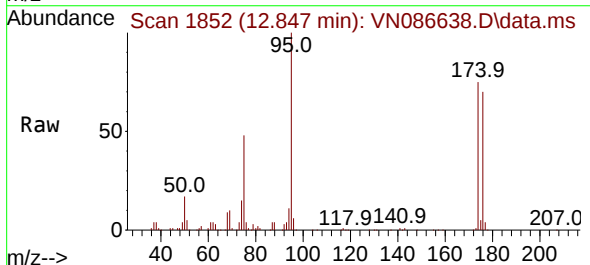
Instrument :
MSVOA_N
ClientSampleId :
IBLK

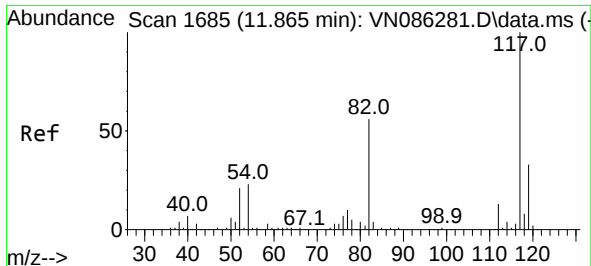
Tgt Ion: 92 Resp: 23242
Ion Ratio Lower Upper
92 100
91 175.1 137.3 205.9



#62
4-Bromofluorobenzene
Concen: 46.968 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086638.D
Acq: 15 May 2025 12:22

Tgt Ion: 95 Resp: 205808
Ion Ratio Lower Upper
95 100
174 74.0 0.0 133.4
176 71.6 0.0 129.2

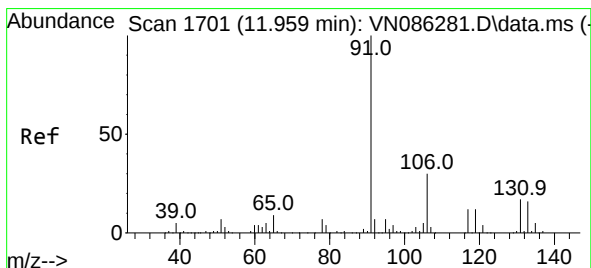
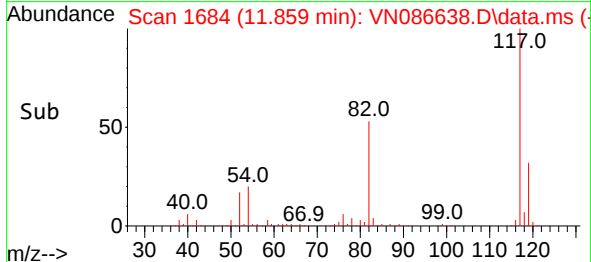
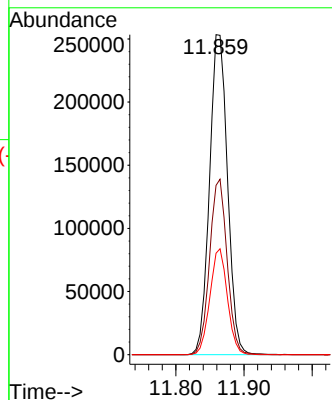
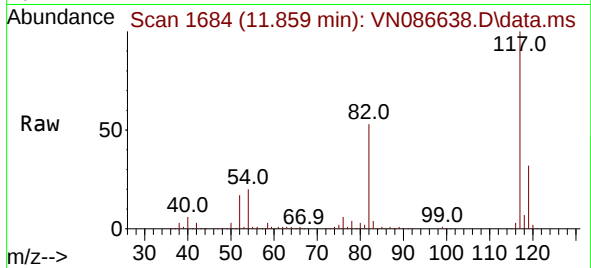




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VN086638.D
Acq: 15 May 2025 12:22

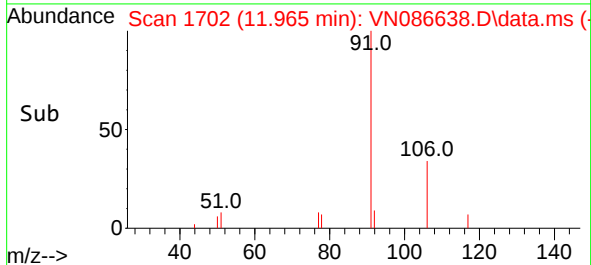
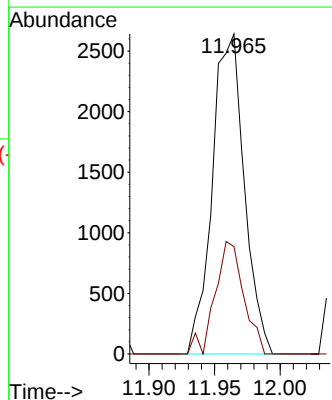
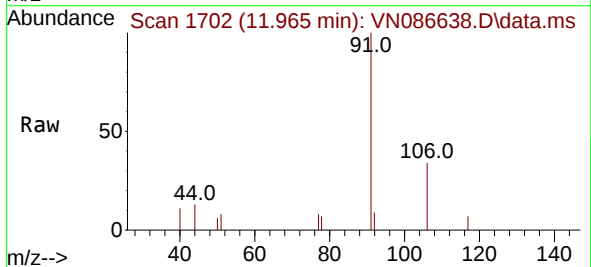
Instrument :
MSVOA_N
ClientSampleId :
IBLK

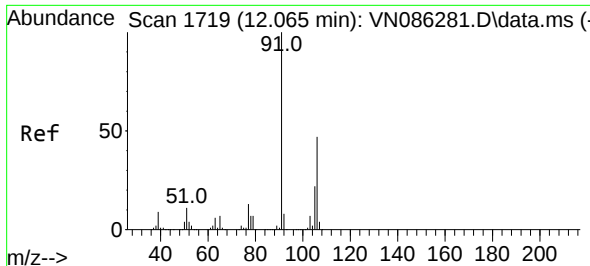
Tgt Ion:117 Resp: 465165
Ion Ratio Lower Upper
117 100
82 52.9 44.7 67.1
119 31.7 26.4 39.6



#67
Ethyl Benzene
Concen: 0.239 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN086638.D
Acq: 15 May 2025 12:22

Tgt Ion: 91 Resp: 4481
Ion Ratio Lower Upper
91 100
106 33.5 24.3 36.5

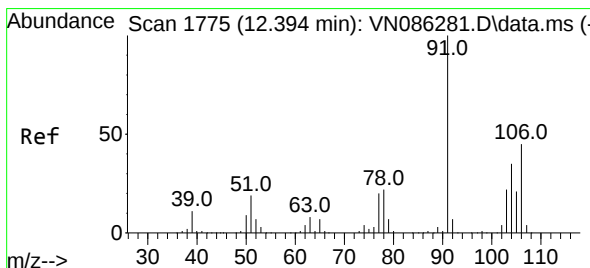
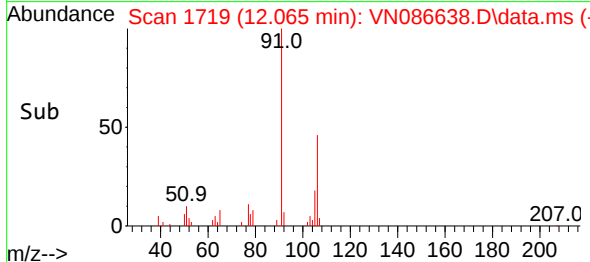
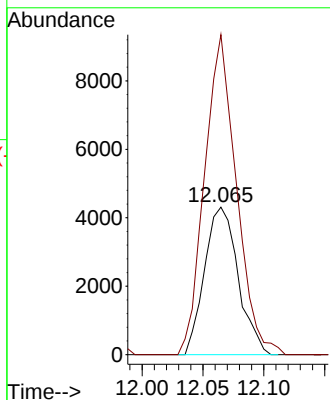
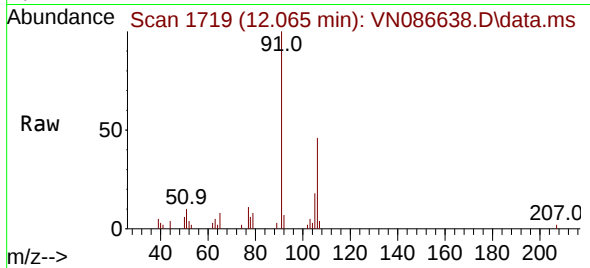




#68
m/p-Xylenes
Concen: 1.179 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN086638.D
Acq: 15 May 2025 12:22

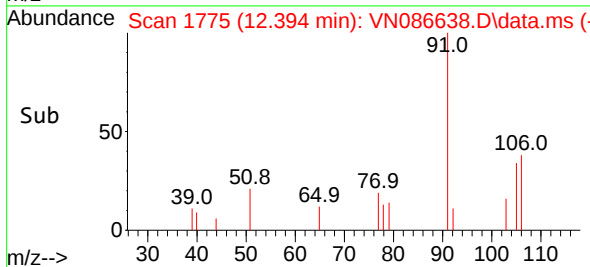
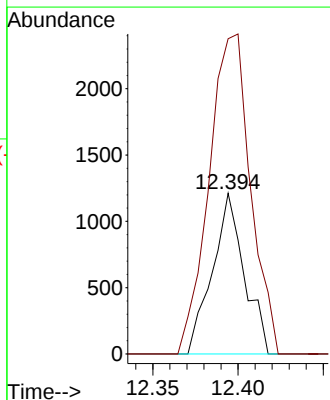
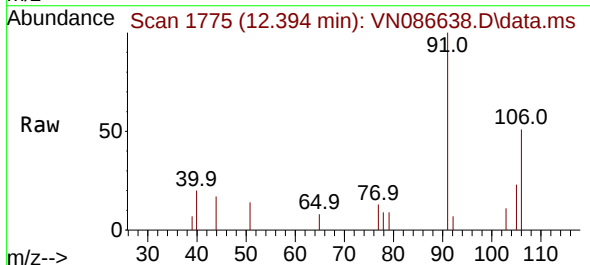
Instrument :
MSVOA_N
ClientSampleId :
IBLK

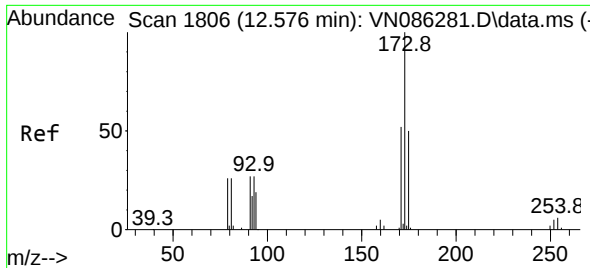
Tgt Ion:106 Resp: 8274
Ion Ratio Lower Upper
106 100
91 205.5 166.5 249.7



#69
o-Xylene
Concen: 0.227 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086638.D
Acq: 15 May 2025 12:22

Tgt Ion:106 Resp: 1575
Ion Ratio Lower Upper
106 100
91 259.7 109.7 329.0

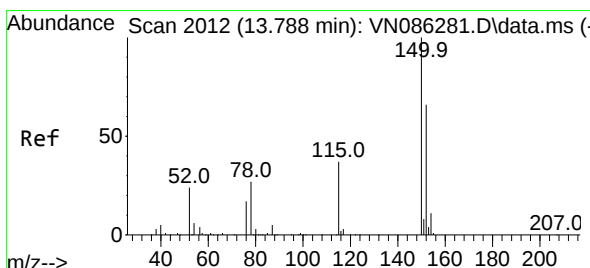
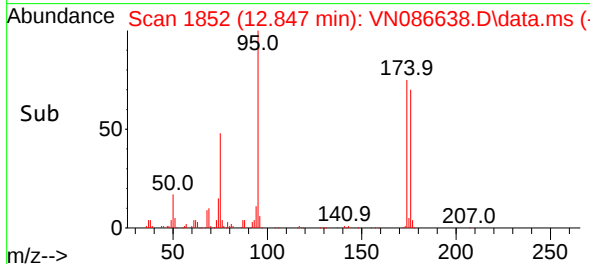
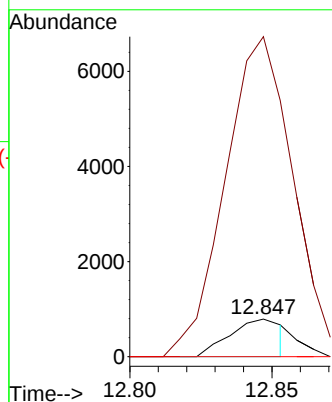
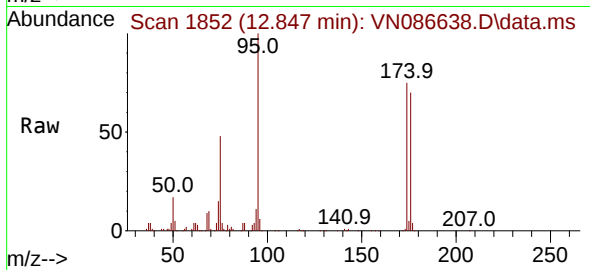




#71
Bromoform
Concen: 0.392 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN086638.D
Acq: 15 May 2025 12:22

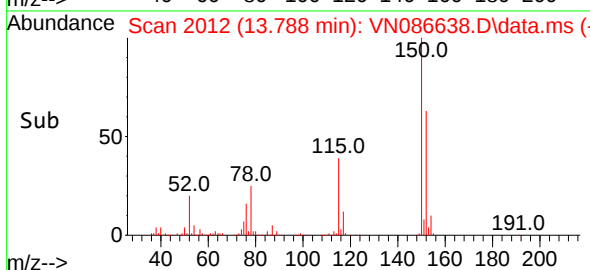
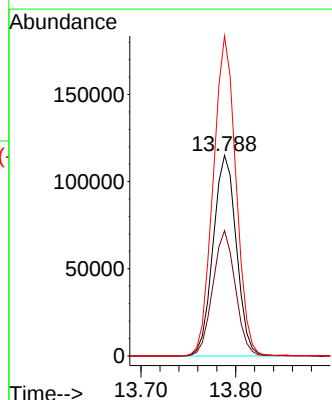
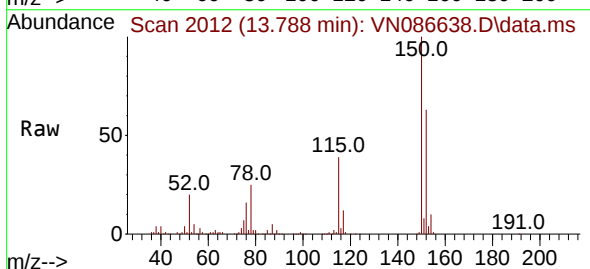
Instrument :
MSVOA_N
ClientSampleId :
IBLK

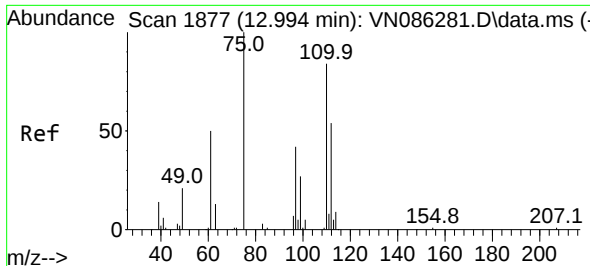
Tgt Ion:173 Resp: 1012
Ion Ratio Lower Upper
173 100
175 913.5 24.6 73.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086638.D
Acq: 15 May 2025 12:22

Tgt Ion:152 Resp: 196214
Ion Ratio Lower Upper
152 100
115 60.7 31.9 95.9
150 156.5 0.0 352.0

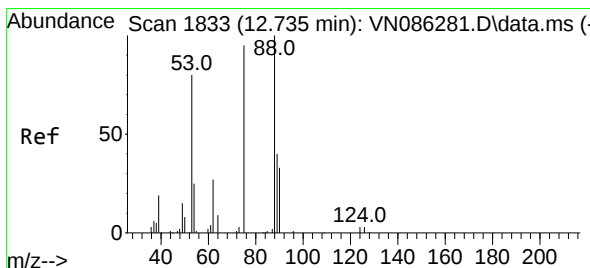
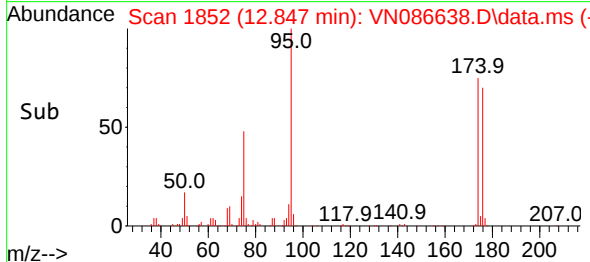
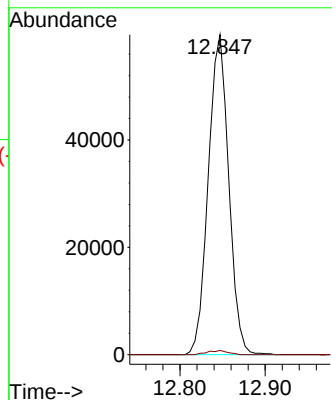
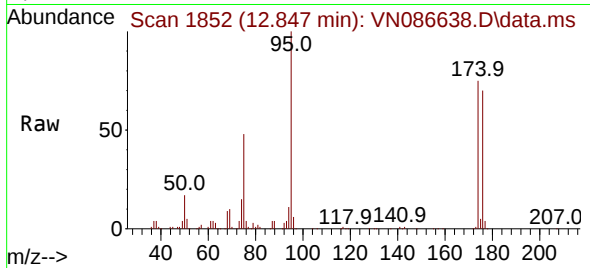




#76
1,2,3-Trichloropropane
Concen: 21.475 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086638.D
Acq: 15 May 2025 12:22

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 99435
Ion Ratio Lower Upper
75 100
77 1.3 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 51.574 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086638.D
Acq: 15 May 2025 12:22

Tgt Ion: 75 Resp: 99435
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

