

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082825\
 Data File : VN087686.D
 Acq On : 28 Aug 2025 15:29
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Aug 29 03:19:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

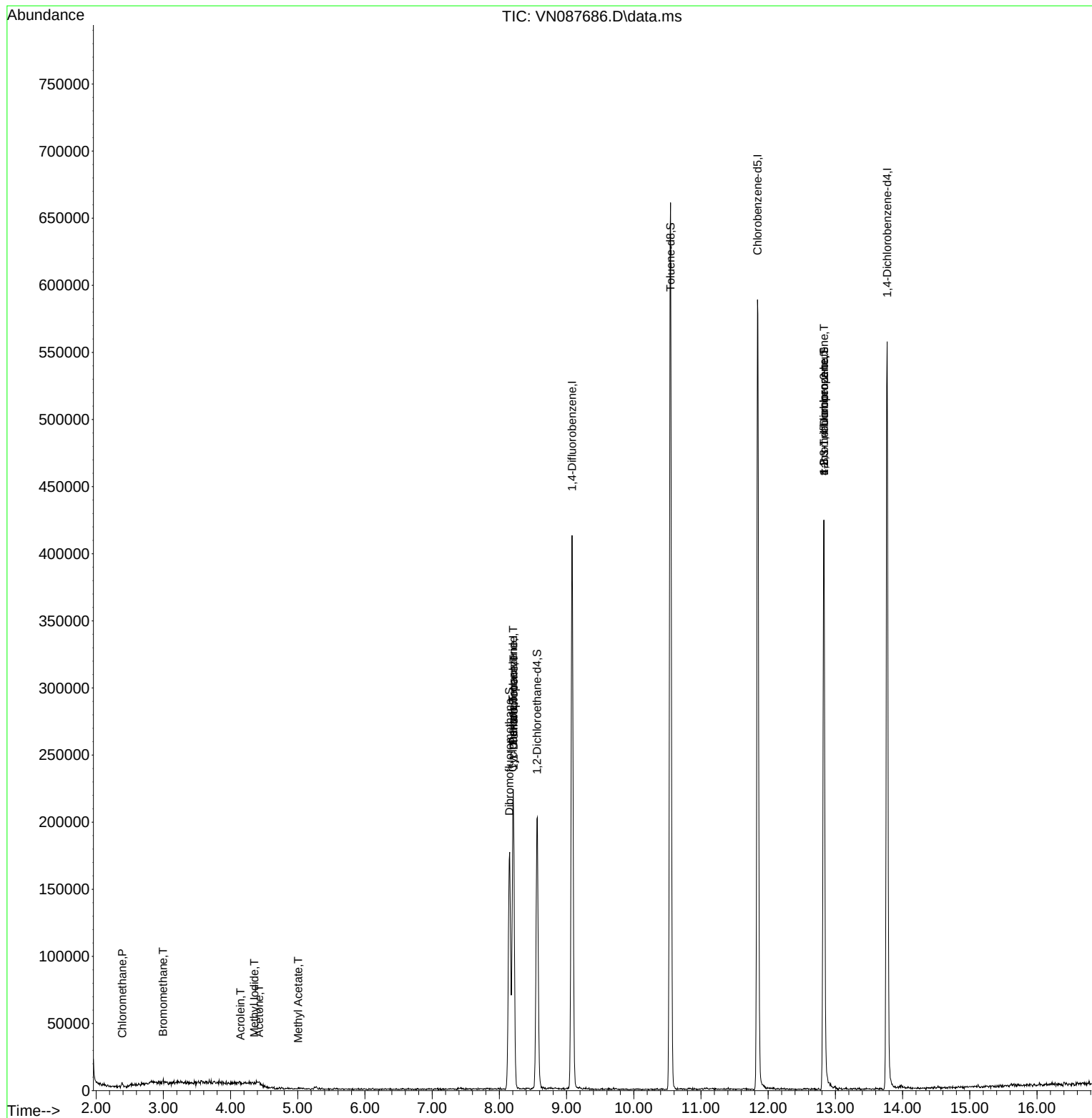
Internal Standards						
1) Pentafluorobenzene	8.206	168	146718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	338724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	317029	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	145894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	165987	55.217	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.440%	
35) Dibromofluoromethane	8.147	113	125200	51.194	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.380%	
50) Toluene-d8	10.547	98	442274	48.318	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.640%	
62) 4-Bromofluorobenzene	12.829	95	148244	45.540	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 91.080%	
Target Compounds						
						Qvalue
3) Chloromethane	2.389	50	3389	1.583	ug/l	96
5) Bromomethane	2.995	94	618	0.482	ug/l #	3
10) Methyl Iodide	4.353	142	93	6.863	ug/l #	38
13) Acrolein	4.148	56	505	0.787	ug/l	84
16) Acetone	4.424	43	2250	1.375	ug/l	99
18) Methyl Acetate	5.006	43	897	0.262	ug/l #	54
20) Methylene Chloride	5.277	84	549	Below Cal	#	62
31) Cyclohexane	8.200	56	4592	1.214	ug/l #	57
36) 1,1-Dichloropropene	8.212	75	13908	3.707	ug/l #	49
38) Carbon Tetrachloride	8.206	117	16651	4.495	ug/l #	16
76) 1,2,3-Trichloropropane	12.829	75	86185	25.191	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	86185	66.690	ug/l #	1

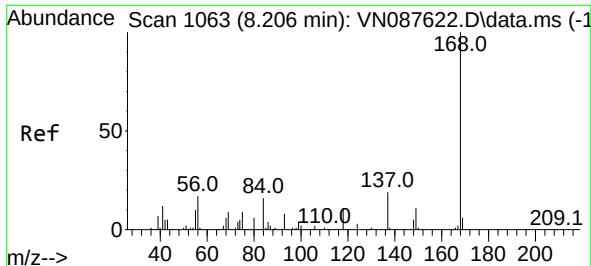
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

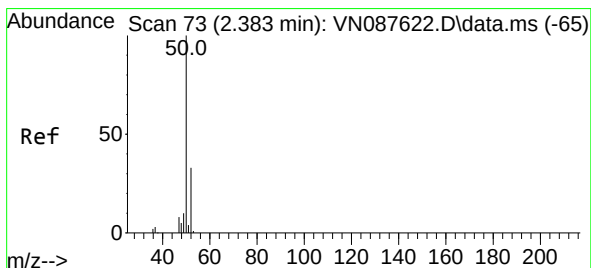
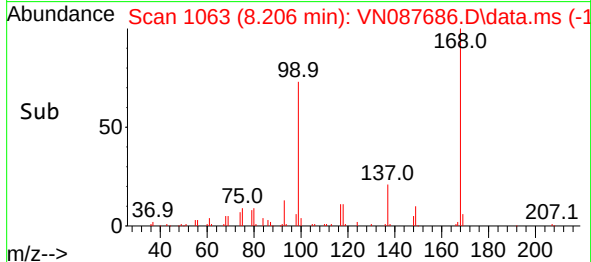
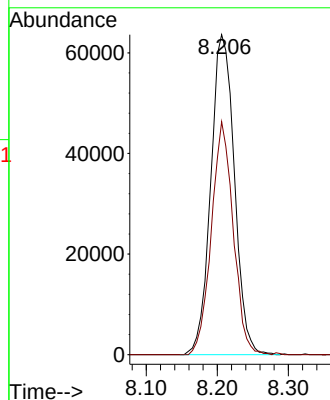
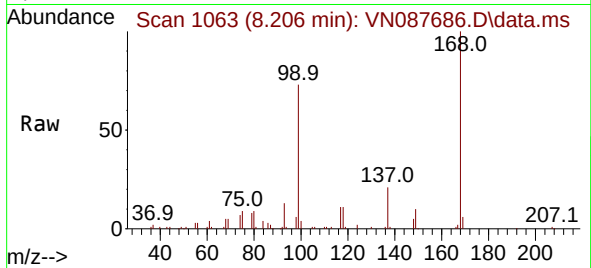




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087686.D
Acq: 28 Aug 2025 15:29

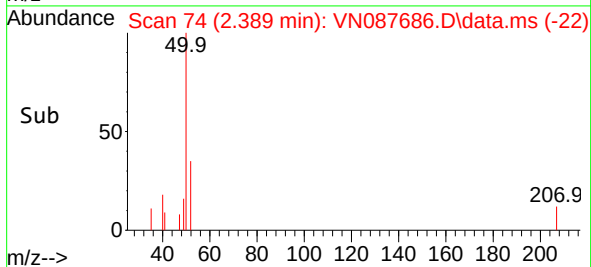
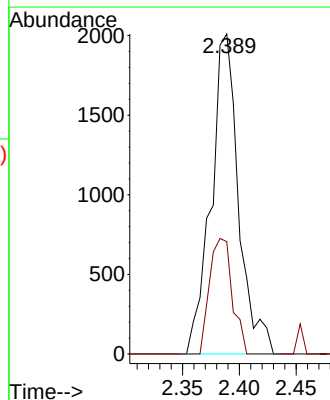
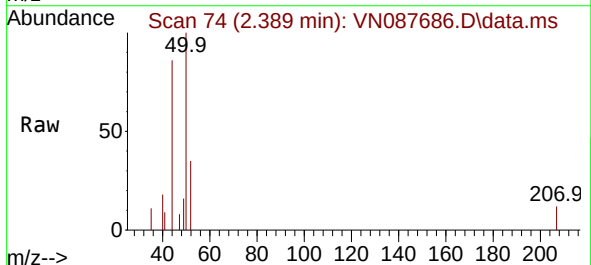
Instrument :
MSVOA_N
ClientSampleId :
IBLK

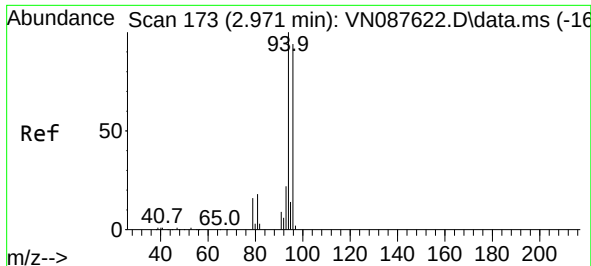
Tgt Ion:168 Resp: 146718
Ion Ratio Lower Upper
168 100
99 72.8 57.2 85.8



#3
Chloromethane
Concen: 1.583 ug/l
RT: 2.389 min Scan# 74
Delta R.T. 0.006 min
Lab File: VN087686.D
Acq: 28 Aug 2025 15:29

Tgt Ion: 50 Resp: 3389
Ion Ratio Lower Upper
50 100
52 35.1 26.2 39.4

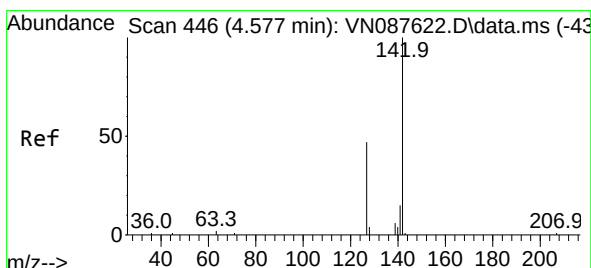
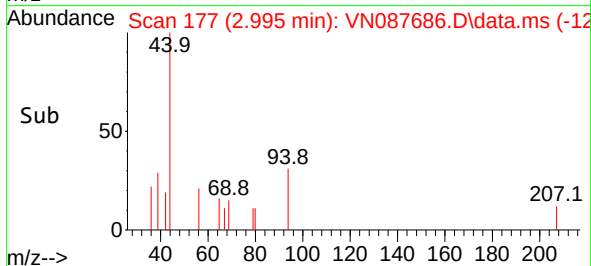
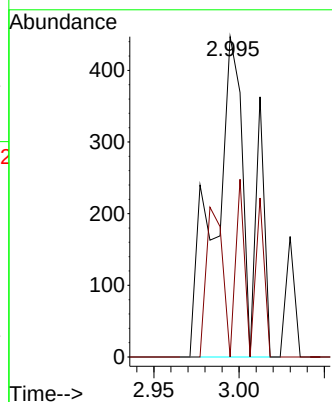
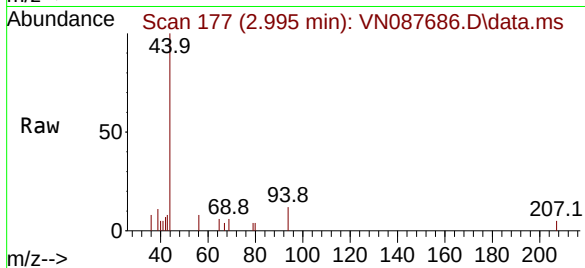




#5
Bromomethane
Concen: 0.482 ug/l
RT: 2.995 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN087686.D
Acq: 28 Aug 2025 15:29

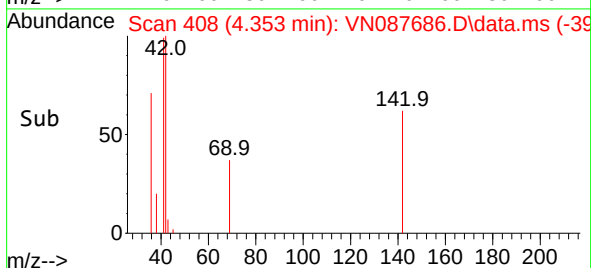
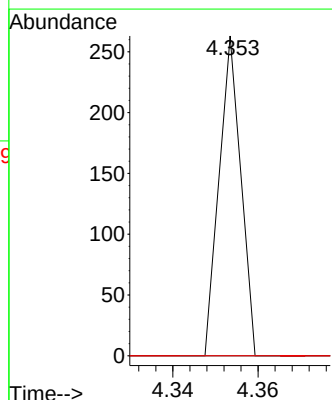
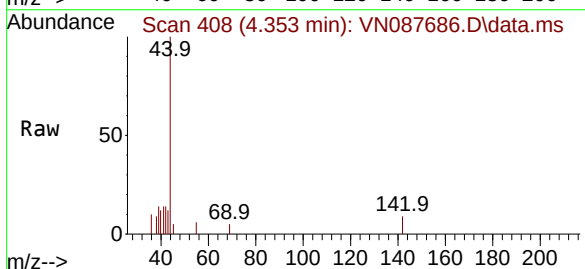
Instrument :
MSVOA_N
ClientSampleId :
IBLK

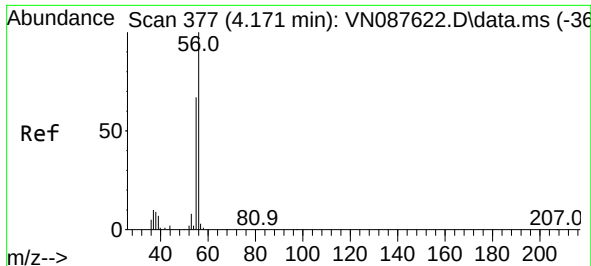
Tgt Ion: 94 Resp: 618
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.2#



#10
Methyl Iodide
Concen: 6.863 ug/l
RT: 4.353 min Scan# 408
Delta R.T. -0.224 min
Lab File: VN087686.D
Acq: 28 Aug 2025 15:29

Tgt Ion: 142 Resp: 93
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#

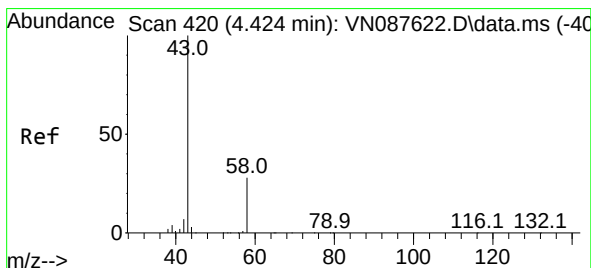
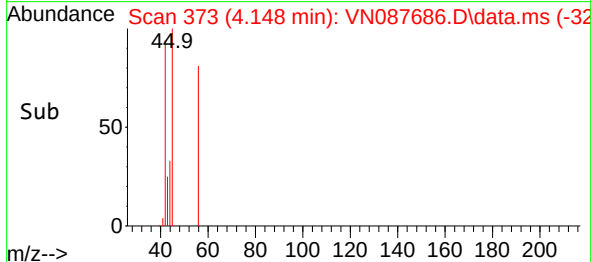
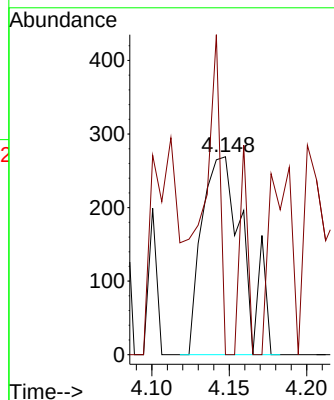
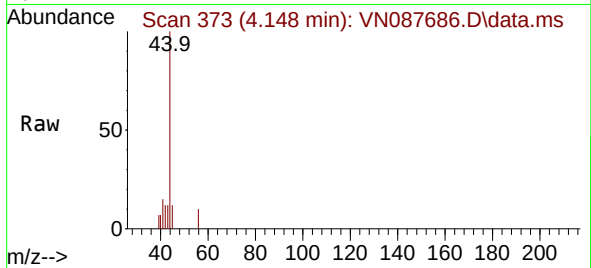




#13
Acrolein
Concen: 0.787 ug/l
RT: 4.148 min Scan# 31
Delta R.T. -0.024 min
Lab File: VN087686.D
Acq: 28 Aug 2025 15:29

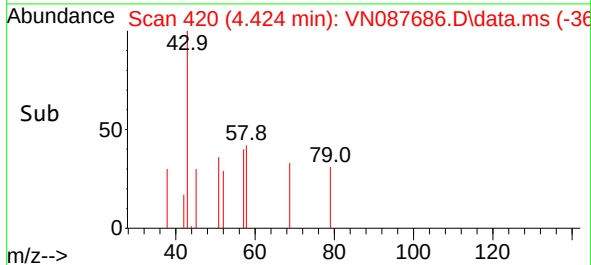
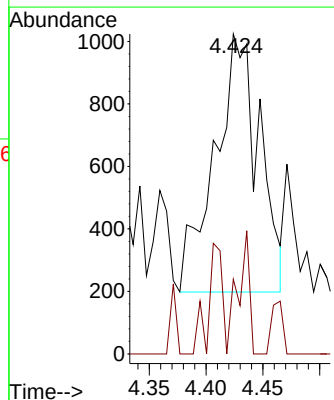
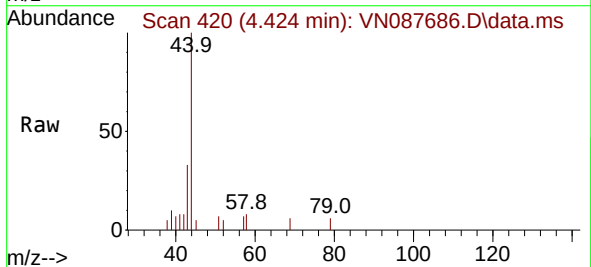
Instrument :
MSVOA_N
ClientSampleId :
IBLK

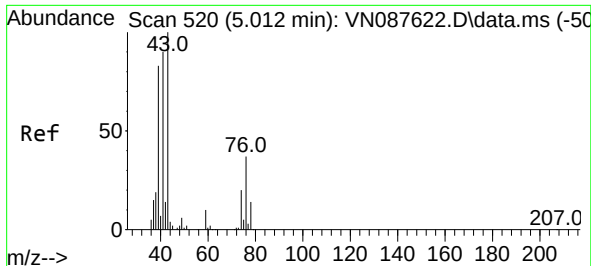
Tgt Ion: 56 Resp: 505
Ion Ratio Lower Upper
56 100
55 58.0 57.3 85.9



#16
Acetone
Concen: 1.375 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN087686.D
Acq: 28 Aug 2025 15:29

Tgt Ion: 43 Resp: 2250
Ion Ratio Lower Upper
43 100
58 28.9 22.6 33.8

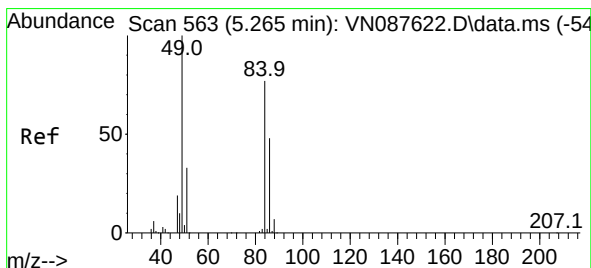
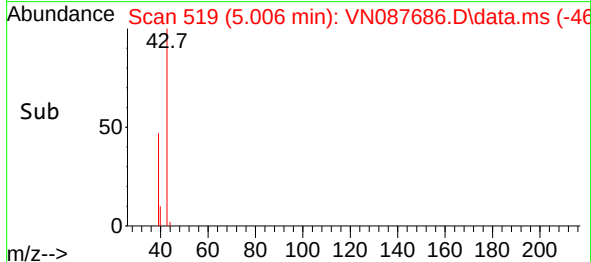
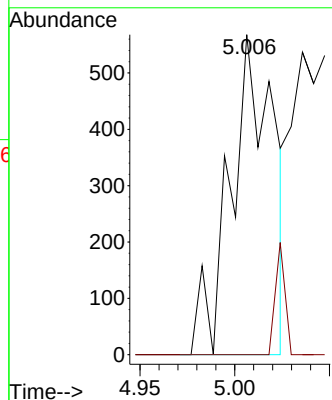
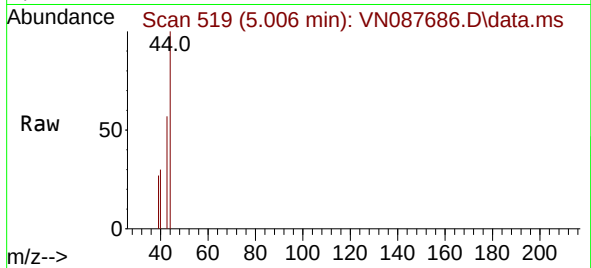




#18
Methyl Acetate
Concen: 0.262 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.006 min
Lab File: VN087686.D
Acq: 28 Aug 2025 15:29

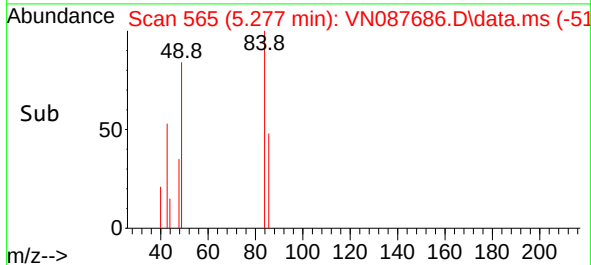
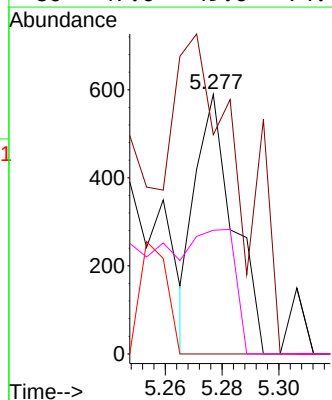
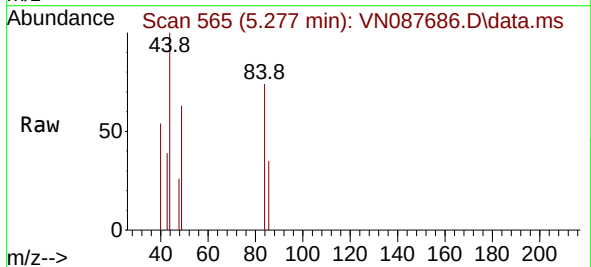
Instrument :
MSVOA_N
ClientSampleId :
IBLK

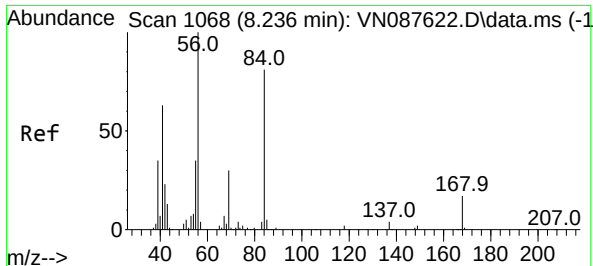
Tgt Ion: 43 Resp: 897
Ion Ratio Lower Upper
43 100
74 0.0 17.6 26.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 565
Delta R.T. 0.012 min
Lab File: VN087686.D
Acq: 28 Aug 2025 15:29

Tgt Ion: 84 Resp: 549
Ion Ratio Lower Upper
84 100
49 84.4 103.4 155.2#
51 0.0 33.8 50.8#
86 47.6 49.6 74.4#

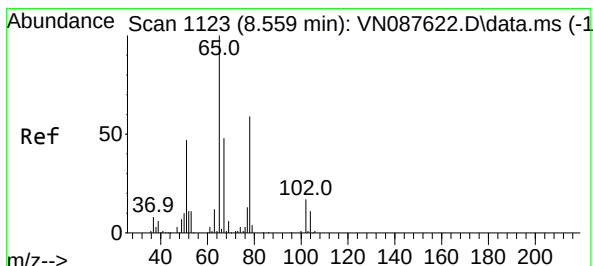
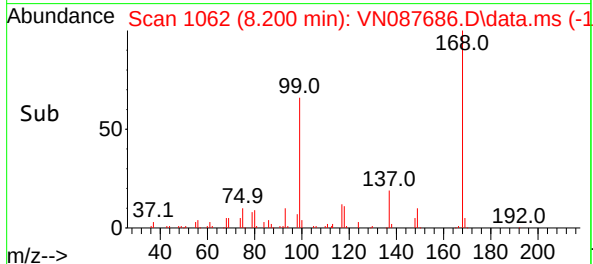
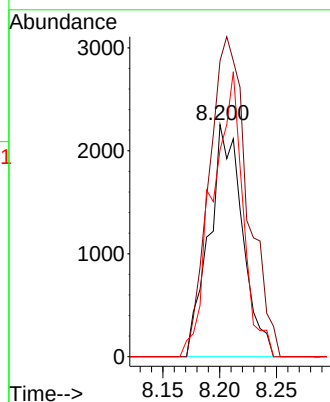
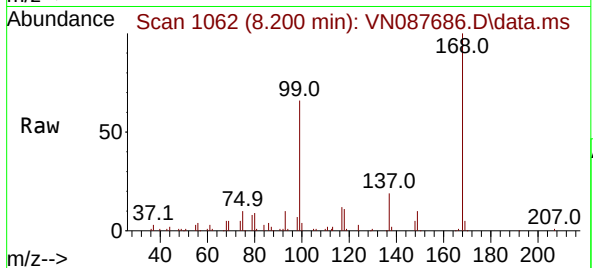




#31
Cyclohexane
Concen: 1.214 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.035 min
Lab File: VN087686.D
Acq: 28 Aug 2025 15:29

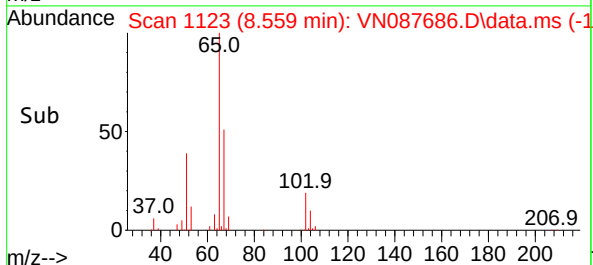
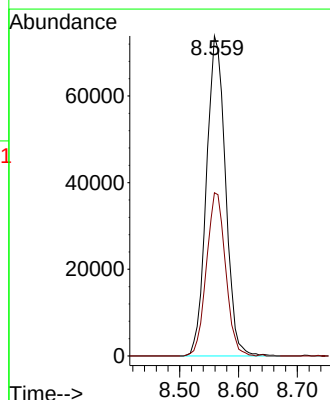
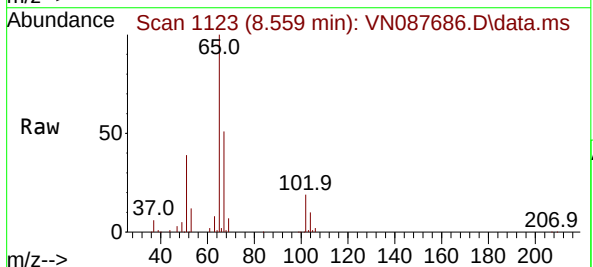
Instrument :
MSVOA_N
ClientSampleId :
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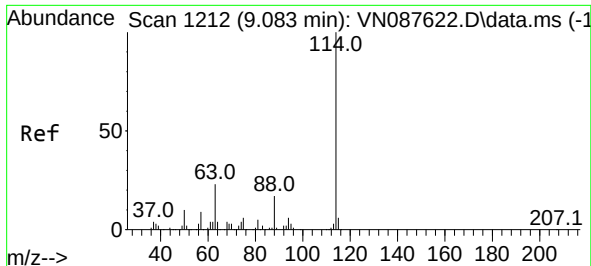
Tgt Ion: 56 Resp: 4592
Ion Ratio Lower Upper
56 100
69 115.4 23.7 35.5#
84 80.7 64.7 97.1



#33
1,2-Dichloroethane-d4
Concen: 55.217 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087686.D
Acq: 28 Aug 2025 15:29

Tgt Ion: 65 Resp: 165987
Ion Ratio Lower Upper
65 100
67 51.2 0.0 100.0

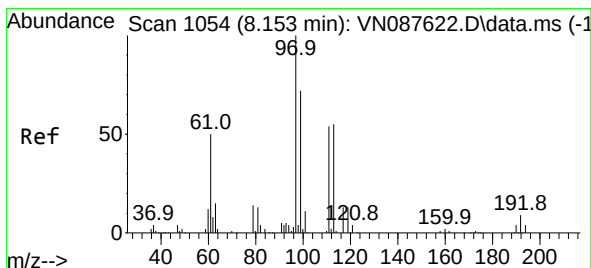
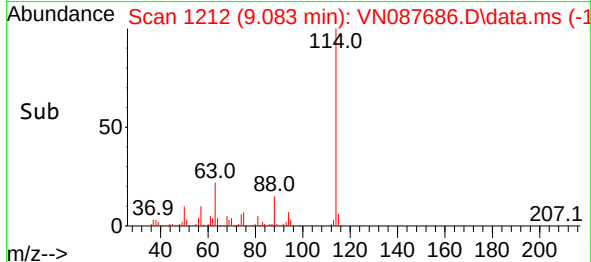
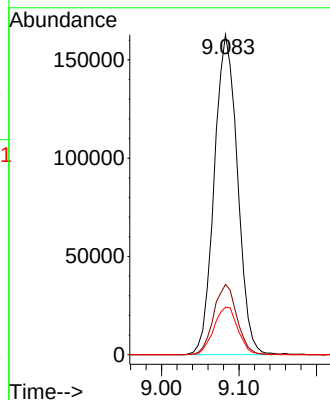
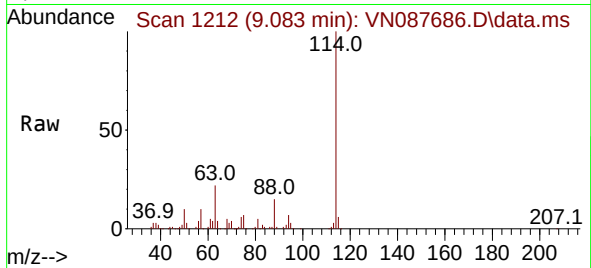




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087686.D
Acq: 28 Aug 2025 15:29

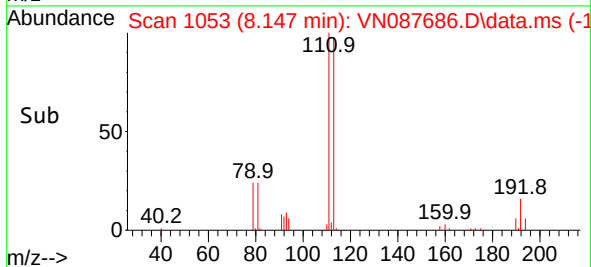
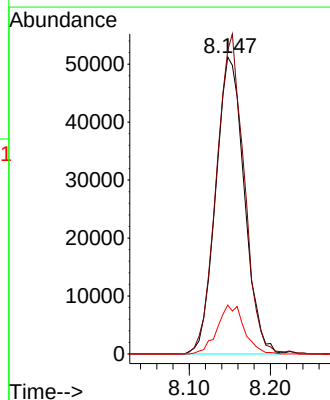
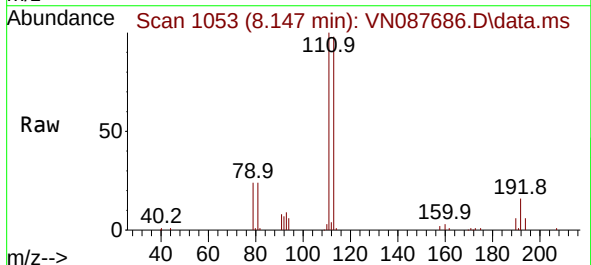
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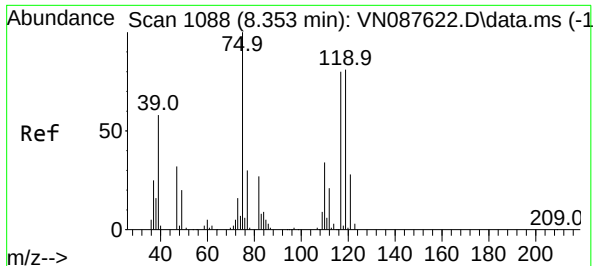
Tgt Ion:114 Resp: 338724
Ion Ratio Lower Upper
114 100
63 22.0 0.0 45.2
88 14.8 0.0 33.4



#35
Dibromofluoromethane
Concen: 51.194 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087686.D
Acq: 28 Aug 2025 15:29

Tgt Ion:113 Resp: 125200
Ion Ratio Lower Upper
113 100
111 104.4 82.8 124.2
192 15.5 12.8 19.2





#36

1,1-Dichloropropene

Concen: 3.707 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.141 min

Lab File: VN087686.D

Acq: 28 Aug 2025 15:29

Instrument :

MSVOA_N

ClientSampleId :

IBLK

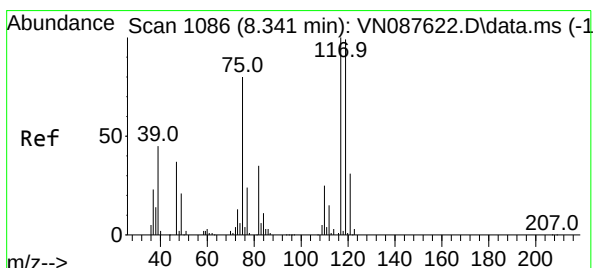
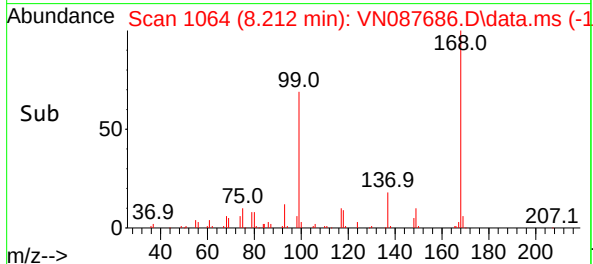
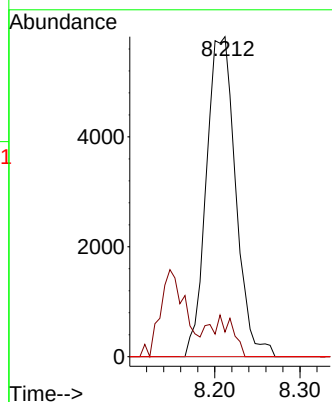
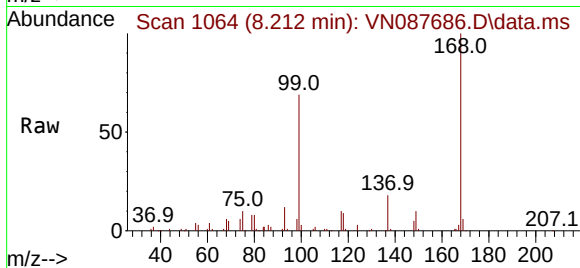
Tgt Ion: 75 Resp: 13908

Ion Ratio Lower Upper

75 100

110 6.5 15.9 47.6#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.495 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.135 min

Lab File: VN087686.D

Acq: 28 Aug 2025 15:29

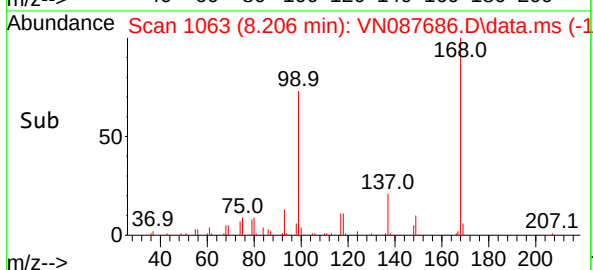
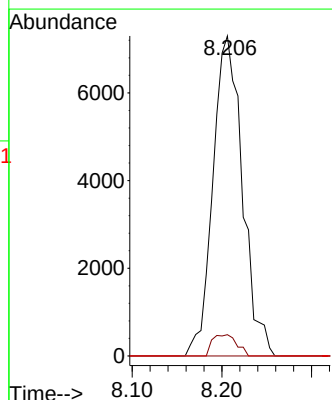
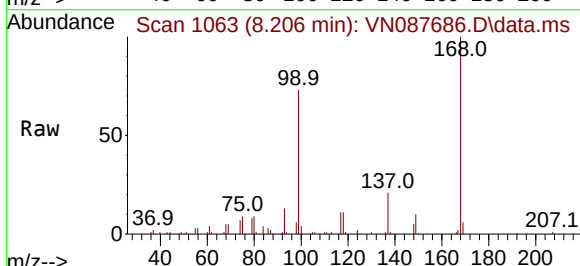
Tgt Ion: 117 Resp: 16651

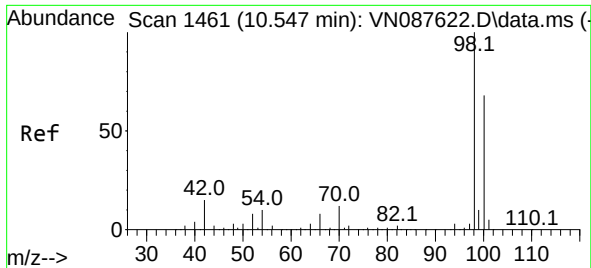
Ion Ratio Lower Upper

117 100

119 6.6 79.0 118.6#

121 0.0 25.0 37.6#

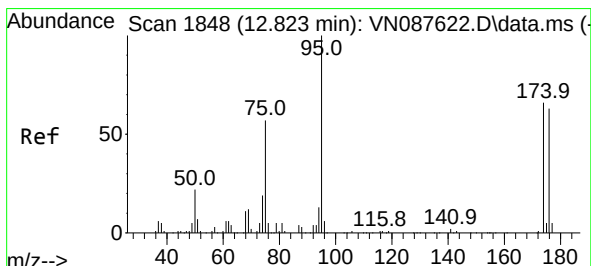
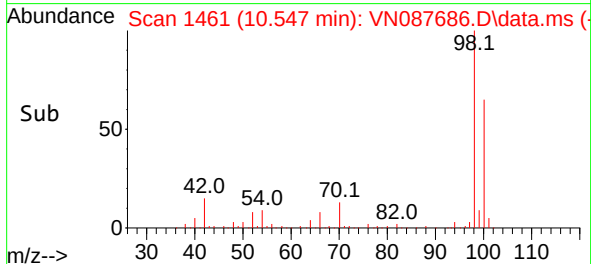
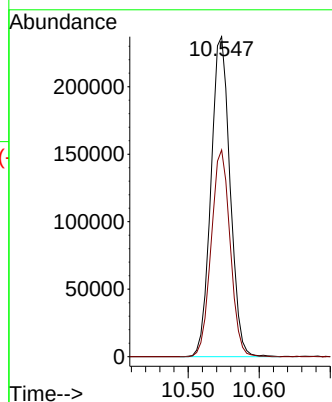
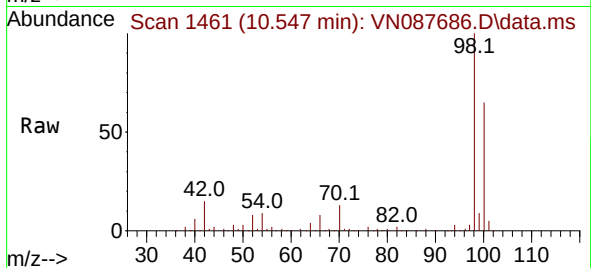




#50
Toluene-d8
Concen: 48.318 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087686.D
Acq: 28 Aug 2025 15:29

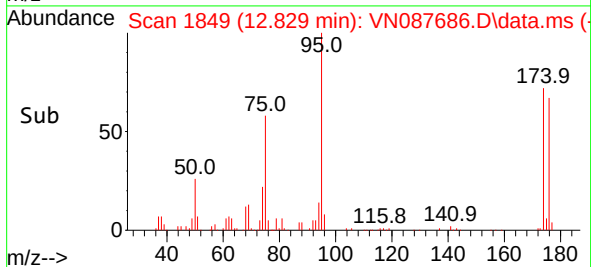
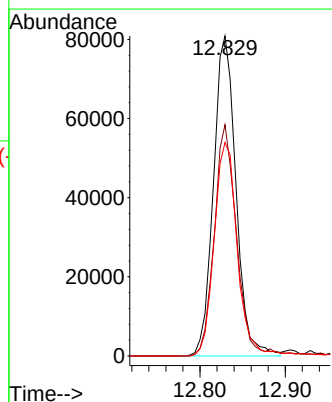
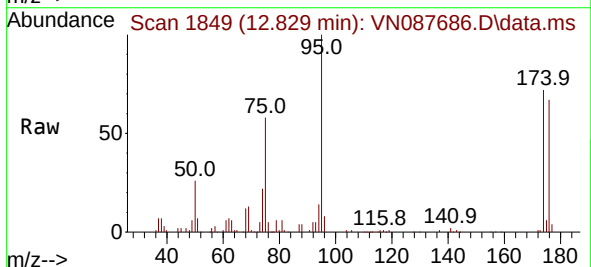
Instrument :
MSVOA_N
ClientSampleId :
IBLK

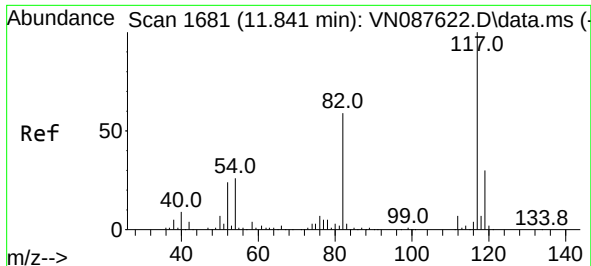
Tgt Ion: 98 Resp: 442274
Ion Ratio Lower Upper
98 100
100 64.0 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 45.540 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087686.D
Acq: 28 Aug 2025 15:29

Tgt Ion: 95 Resp: 148244
Ion Ratio Lower Upper
95 100
174 71.8 0.0 138.4
176 68.2 0.0 132.6

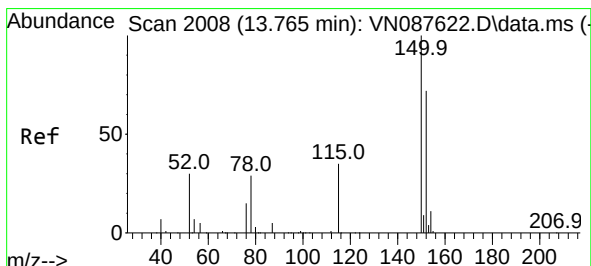
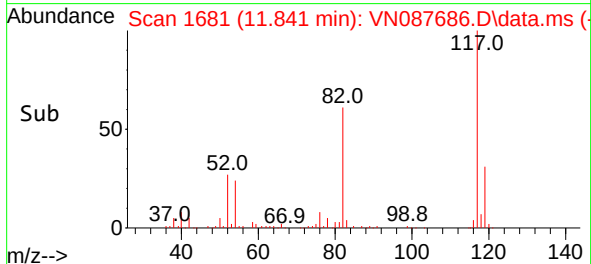
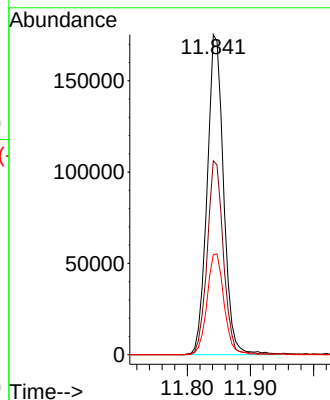
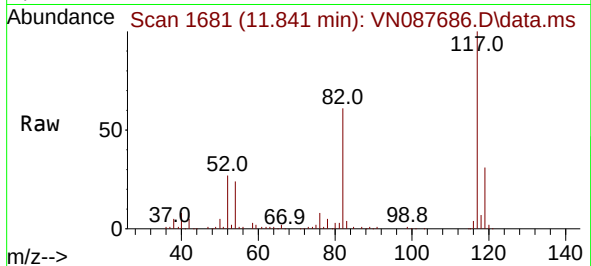




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN087686.D
Acq: 28 Aug 2025 15:29

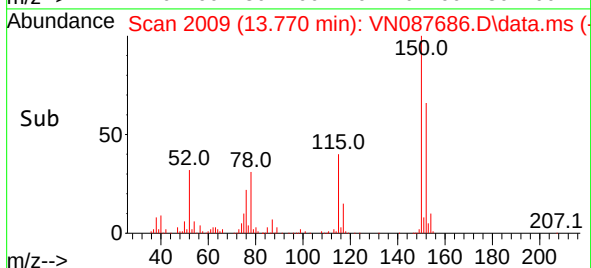
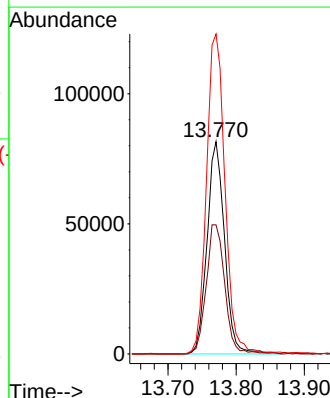
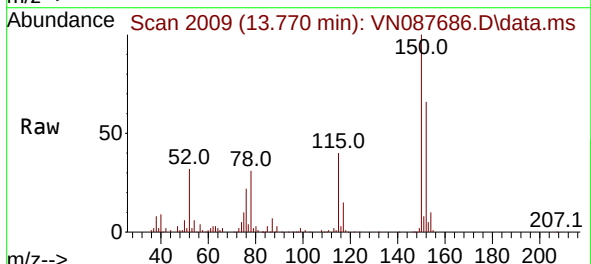
Instrument :
MSVOA_N
ClientSampleId :
IBLK

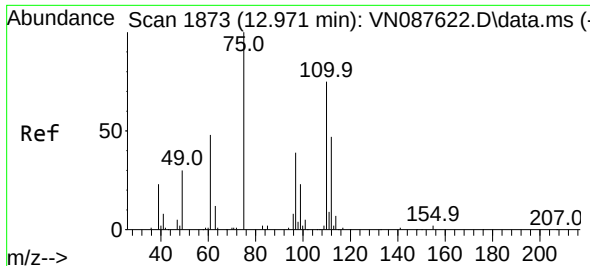
Tgt Ion:117 Resp: 317029
Ion Ratio Lower Upper
117 100
82 60.6 47.4 71.2
119 31.3 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087686.D
Acq: 28 Aug 2025 15:29

Tgt Ion:152 Resp: 145894
Ion Ratio Lower Upper
152 100
115 64.6 32.3 96.8
150 159.3 0.0 351.0

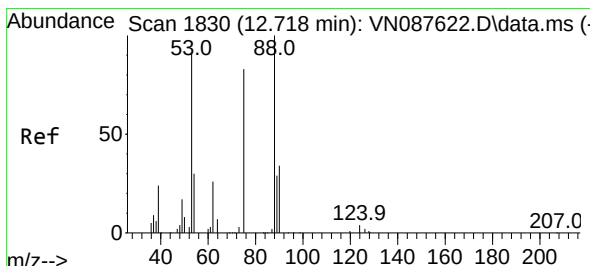
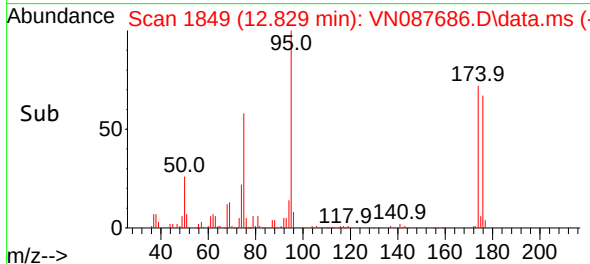
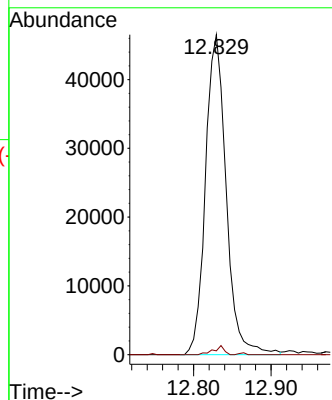
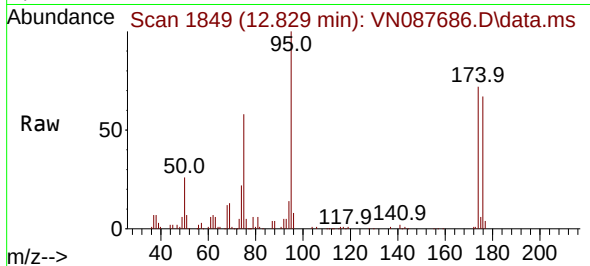




#76
1,2,3-Trichloropropane
Concen: 25.191 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087686.D
Acq: 28 Aug 2025 15:29

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 86185
Ion Ratio Lower Upper
75 100
77 1.4 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.690 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087686.D
Acq: 28 Aug 2025 15:29

Tgt Ion: 75 Resp: 86185
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 35.6 53.4#

