

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103125\
 Data File : VN088187.D
 Acq On : 31 Oct 2025 14:42
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Nov 01 00:34:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

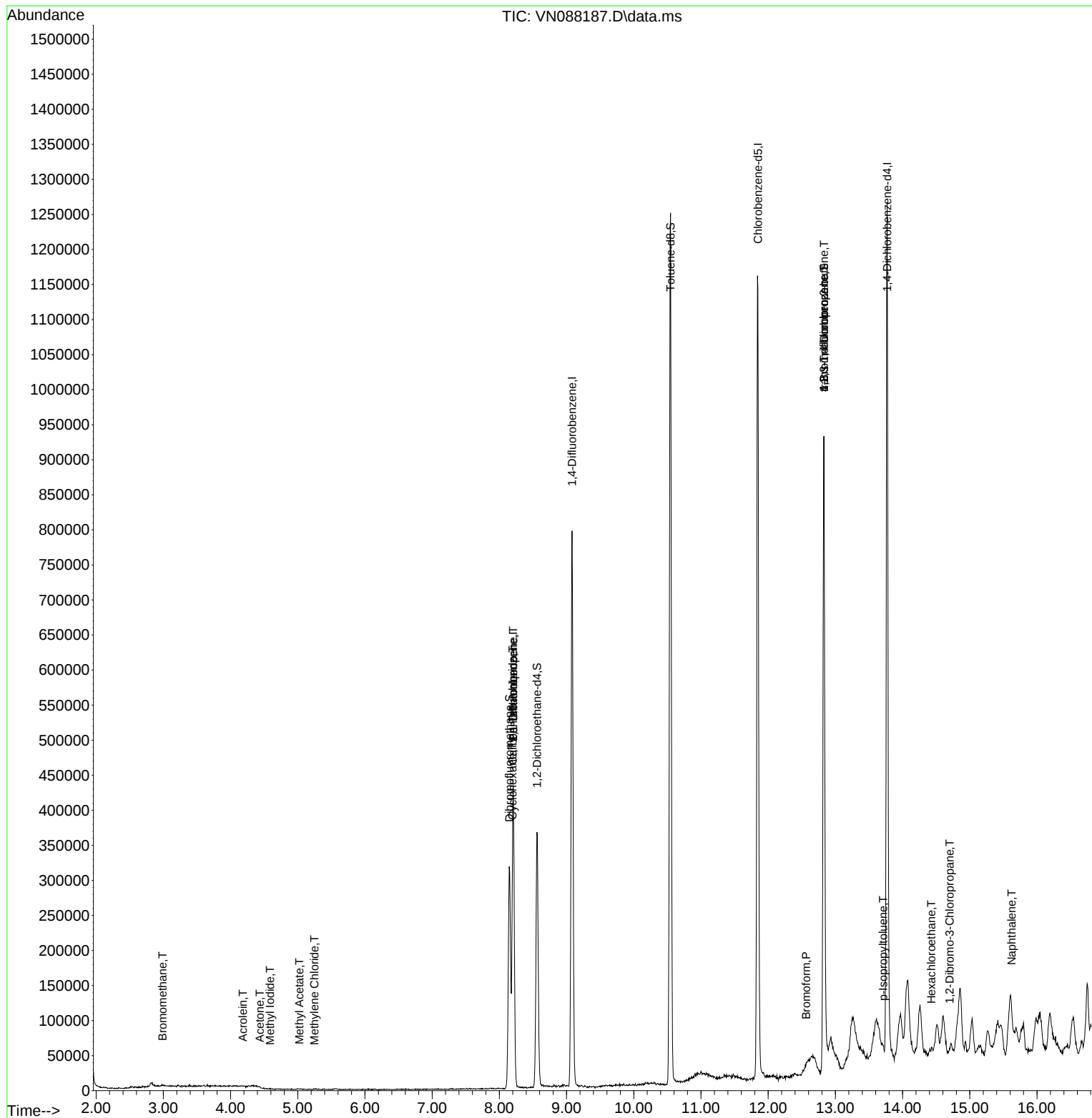
Internal Standards						
1) Pentafluorobenzene	8.206	168	284349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	657660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	634979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	322642	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	311504	63.353	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 126.700%#		
35) Dibromofluoromethane	8.147	113	224351	50.779	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.560%		
50) Toluene-d8	10.547	98	853472	50.133	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 100.260%		
62) 4-Bromofluorobenzene	12.829	95	344981	57.380	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 114.760%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.989	94	852	0.346	ug/l #	53
10) Methyl Iodide	4.589	142	439	4.331	ug/l #	38
13) Acrolein	4.183	56	339	0.356	ug/l #	14
16) Acetone	4.436	43	3075	1.245	ug/l #	47
18) Methyl Acetate	5.024	43	1462	0.289	ug/l #	54
20) Methylene Chloride	5.247	84	192	0.822	ug/l #	42
31) Cyclohexane	8.194	56	8811	1.280	ug/l #	59
36) 1,1-Dichloropropene	8.206	75	28340	4.393	ug/l #	54
38) Carbon Tetrachloride	8.200	117	33938	5.094	ug/l #	14
71) Bromoform	12.565	173	1565	0.444	ug/l #	28
76) 1,2,3-Trichloropropane	12.829	75	197305	26.747	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	197305	74.613	ug/l #	1
86) p-Isopropyltoluene	13.712	119	5648	0.260	ug/l #	79
90) Hexachloroethane	14.429	117	928	0.220	ug/l	66
92) 1,2-Dibromo-3-Chloropr...	14.700	75	480	0.266	ug/l #	8
95) Naphthalene	15.623	128	26798	1.251	ug/l #	85

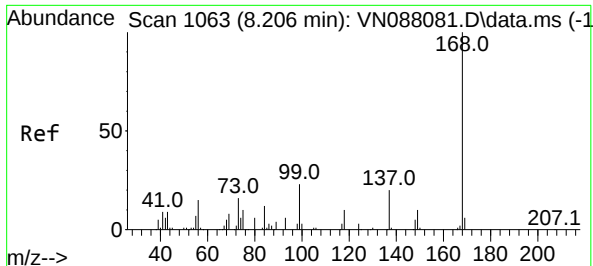
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

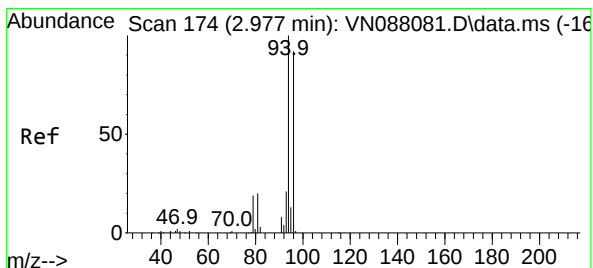
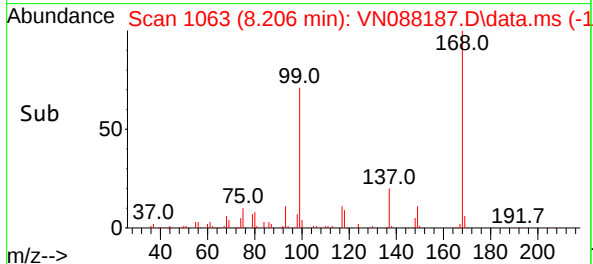
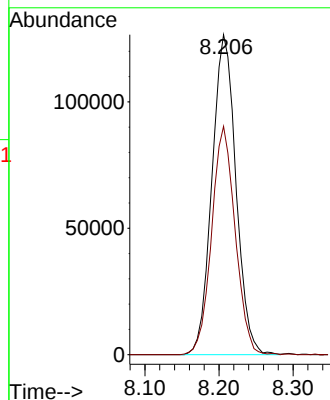
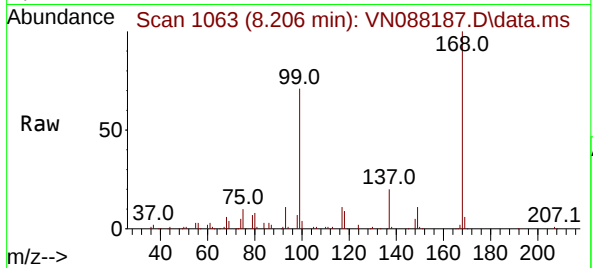




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088187.D
Acq: 31 Oct 2025 14:42

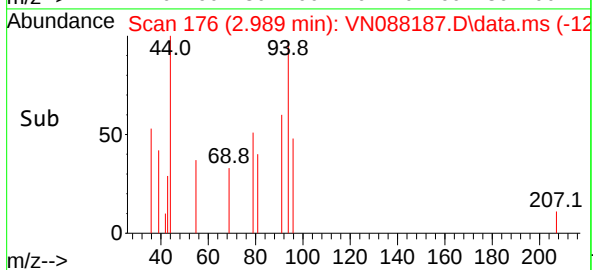
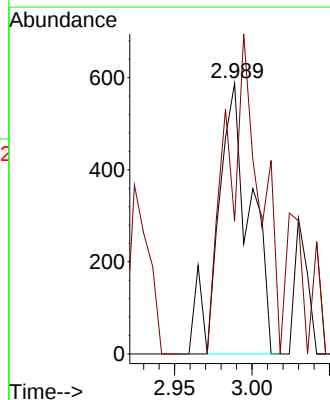
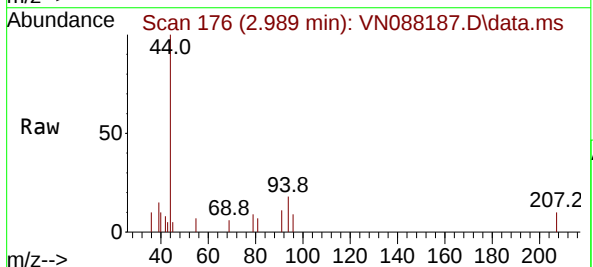
Instrument :
MSVOA_N
ClientSampleId :
IBLK

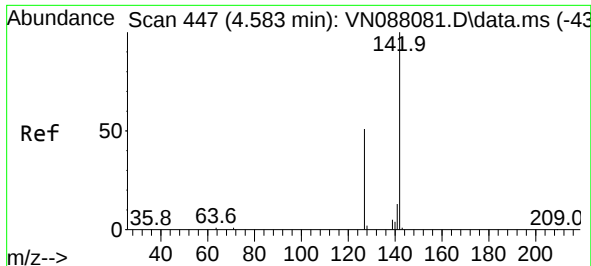
Tgt Ion:168 Resp: 284349
Ion Ratio Lower Upper
168 100
99 71.3 57.2 85.8



#5
Bromomethane
Concen: 0.346 ug/l
RT: 2.989 min Scan# 176
Delta R.T. 0.018 min
Lab File: VN088187.D
Acq: 31 Oct 2025 14:42

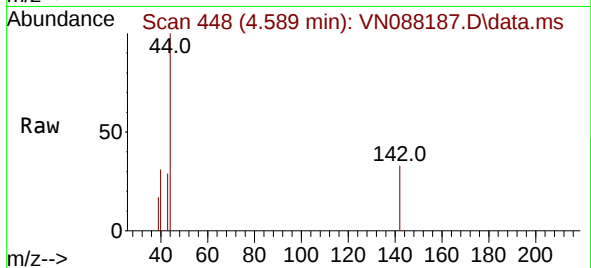
Tgt Ion: 94 Resp: 852
Ion Ratio Lower Upper
94 100
96 49.0 75.4 113.2#



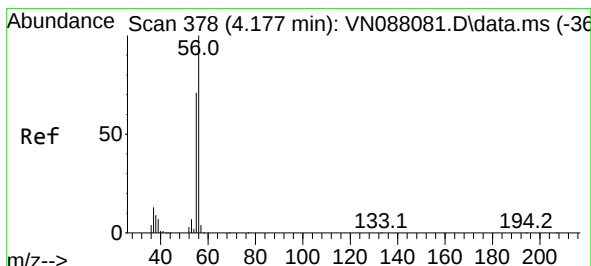
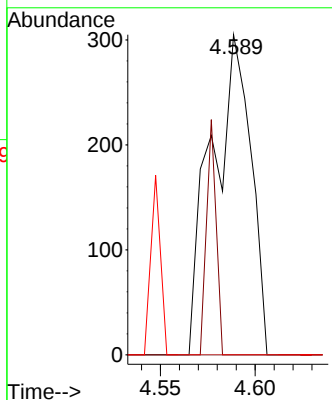
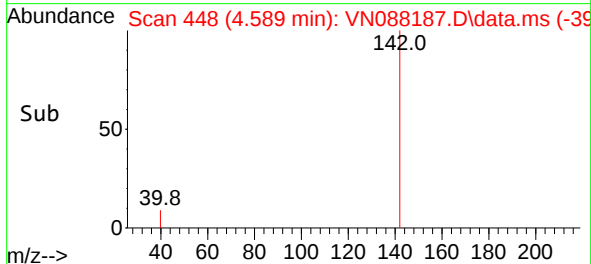


#10
Methyl Iodide
Concen: 4.331 ug/l
RT: 4.589 min Scan# 447
Delta R.T. 0.012 min
Lab File: VN088187.D
Acq: 31 Oct 2025 14:42

Instrument :
MSVOA_N
ClientSampleId :
IBLK

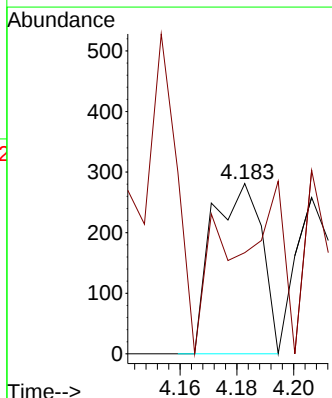
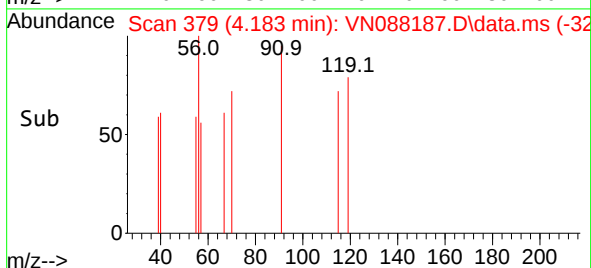
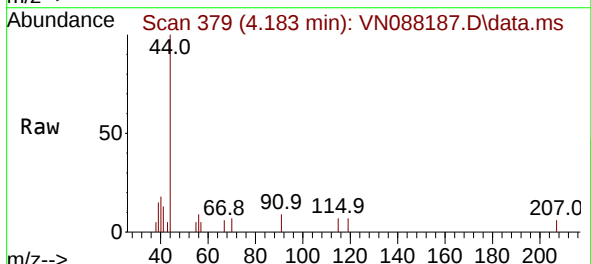


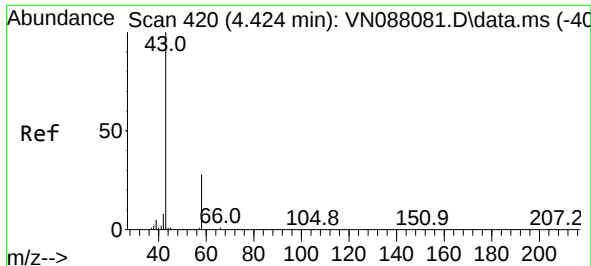
Tgt Ion:142 Resp: 439
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#



#13
Acrolein
Concen: 0.356 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.012 min
Lab File: VN088187.D
Acq: 31 Oct 2025 14:42

Tgt Ion: 56 Resp: 339
Ion Ratio Lower Upper
56 100
55 0.0 57.3 85.9#

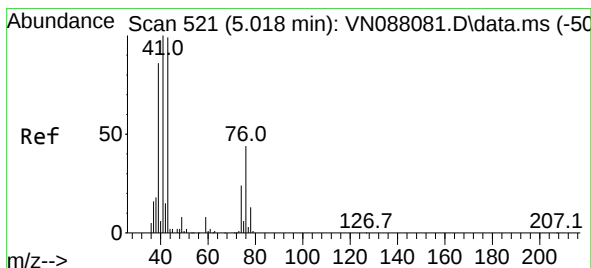
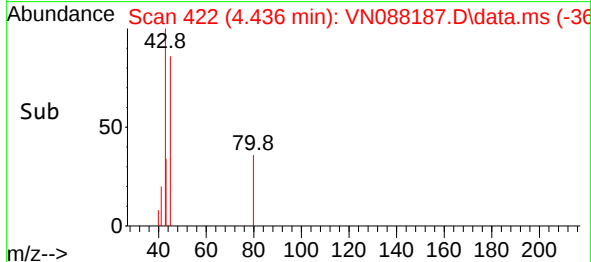
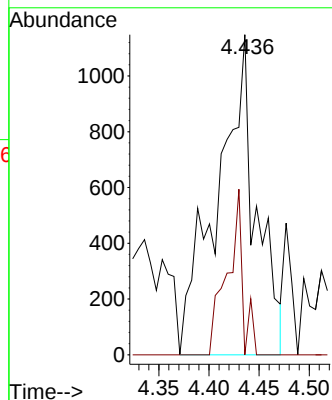
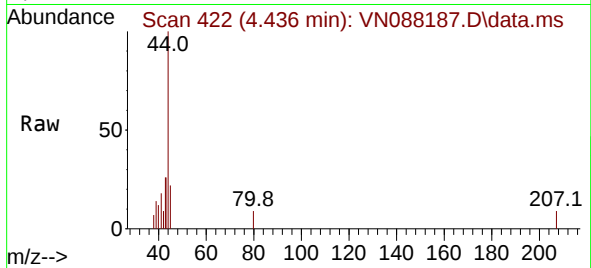




#16
Acetone
Concen: 1.245 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN088187.D
Acq: 31 Oct 2025 14:42

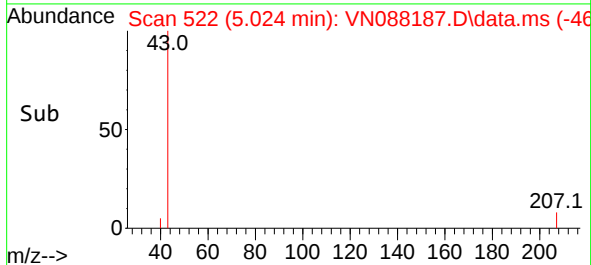
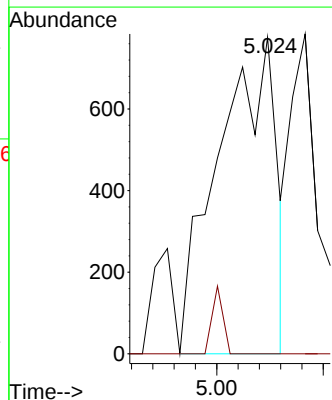
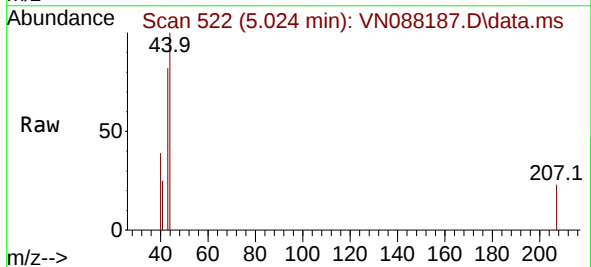
Instrument :
MSVOA_N
ClientSampleId :
IBLK

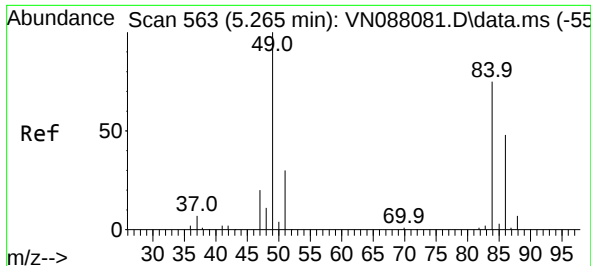
Tgt Ion: 43 Resp: 3075
Ion Ratio Lower Upper
43 100
58 0.0 22.6 33.8#



#18
Methyl Acetate
Concen: 0.289 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.012 min
Lab File: VN088187.D
Acq: 31 Oct 2025 14:42

Tgt Ion: 43 Resp: 1462
Ion Ratio Lower Upper
43 100
74 0.0 17.6 26.4#

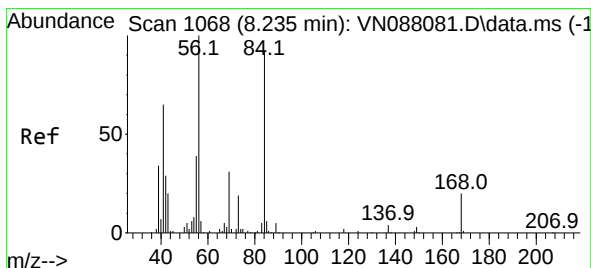
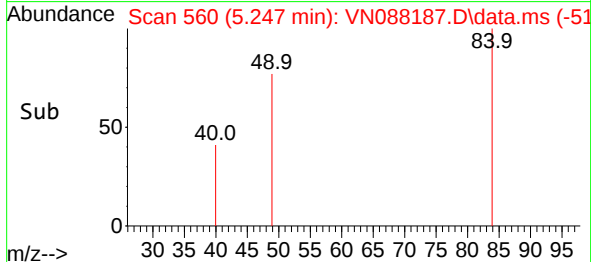
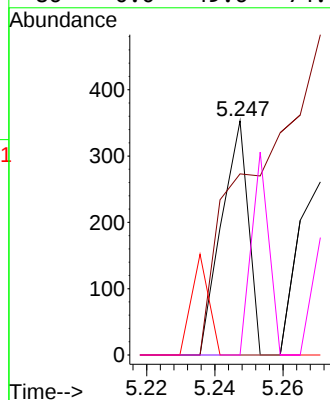
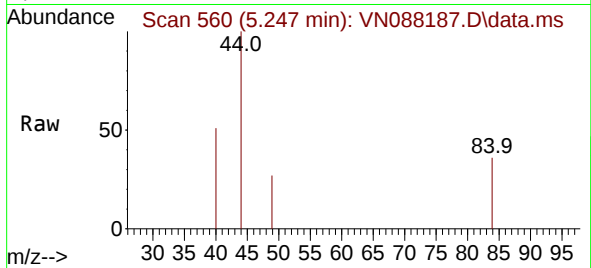




#20
Methylene Chloride
Concen: 0.822 ug/l
RT: 5.247 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN088187.D
Acq: 31 Oct 2025 14:42

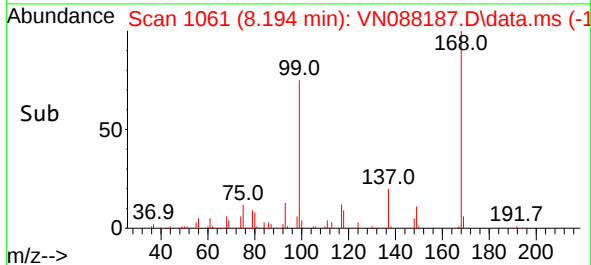
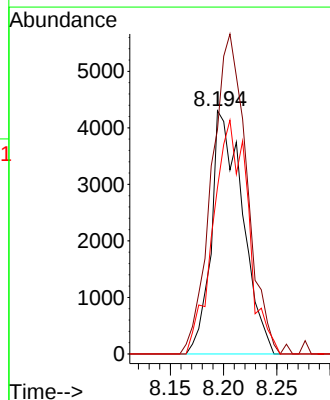
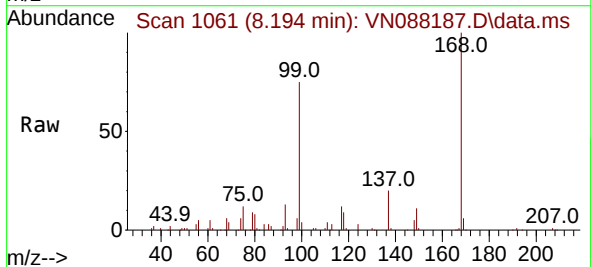
Instrument :
MSVOA_N
ClientSampleId :
IBLK

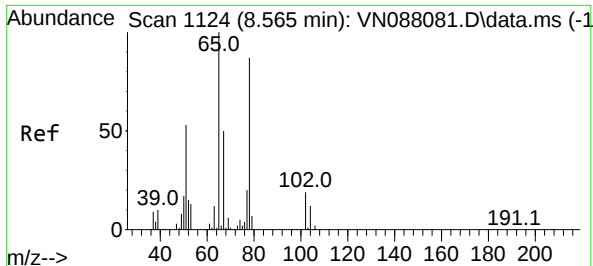
Tgt Ion:	84	Resp:	192
Ion	Ratio	Lower	Upper
84	100		
49	77.3	103.4	155.2#
51	0.0	33.8	50.8#
86	0.0	49.6	74.4#



#31
Cyclohexane
Concen: 1.280 ug/l
RT: 8.194 min Scan# 1061
Delta R.T. -0.041 min
Lab File: VN088187.D
Acq: 31 Oct 2025 14:42

Tgt Ion:	56	Resp:	8811
Ion	Ratio	Lower	Upper
56	100		
69	92.3	23.7	35.5#
84	68.4	64.7	97.1





#33

1,2-Dichloroethane-d4

Concen: 63.353 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088187.D

Acq: 31 Oct 2025 14:42

Instrument :

MSVOA_N

ClientSampleId :

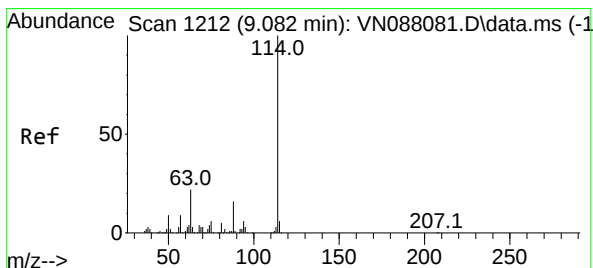
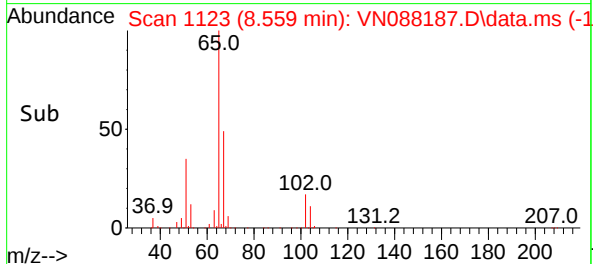
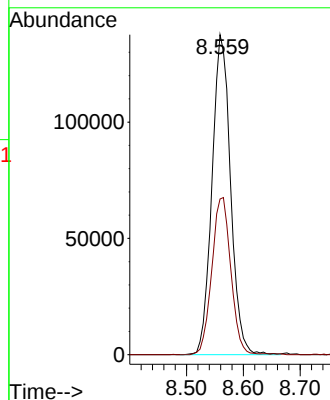
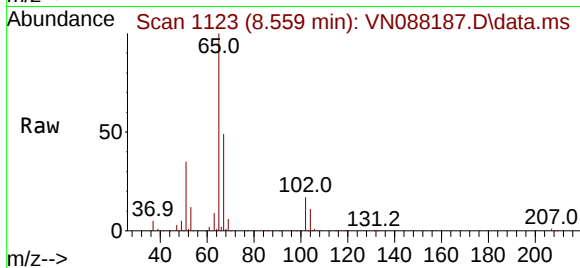
IBLK

Tgt Ion: 65 Resp: 311504

Ion Ratio Lower Upper

65 100

67 50.2 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088187.D

Acq: 31 Oct 2025 14:42

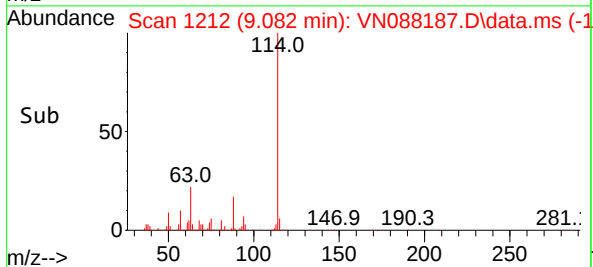
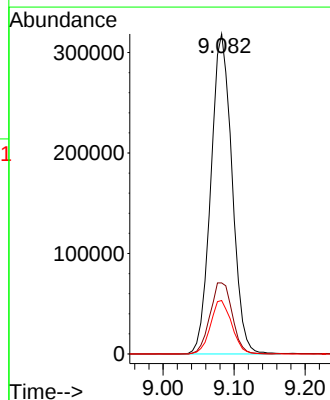
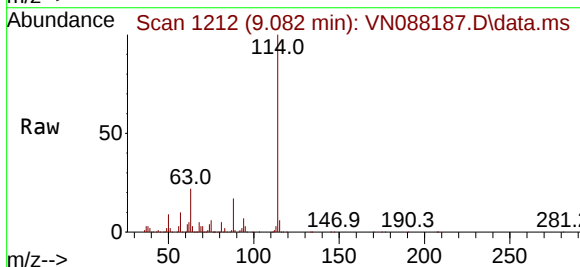
Tgt Ion: 114 Resp: 657660

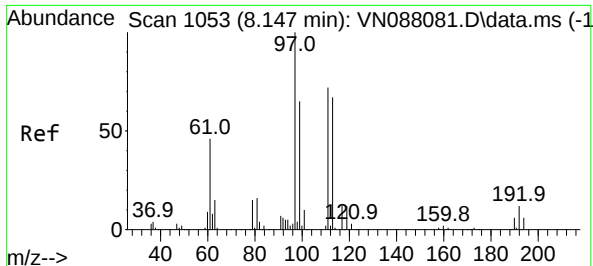
Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.2

88 16.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.779 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088187.D

Acq: 31 Oct 2025 14:42

Instrument :

MSVOA_N

ClientSampleId :

IBLK

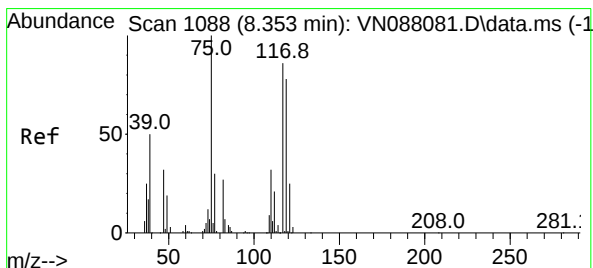
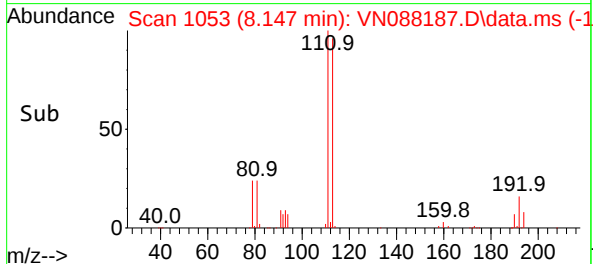
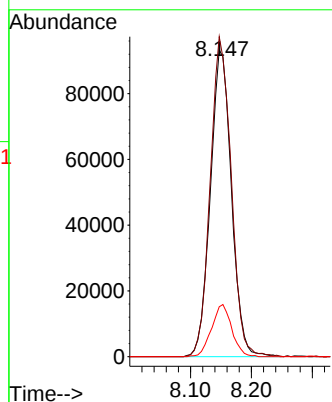
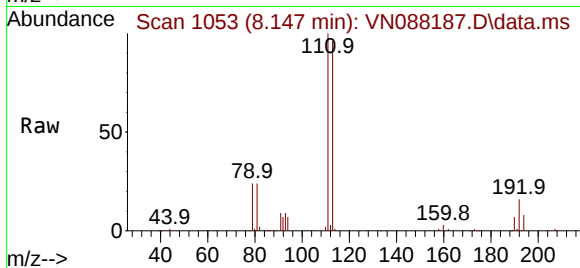
Tgt Ion:113 Resp: 224351

Ion Ratio Lower Upper

113 100

111 103.6 82.8 124.2

192 16.3 12.8 19.2



#36

1,1-Dichloropropene

Concen: 4.393 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN088187.D

Acq: 31 Oct 2025 14:42

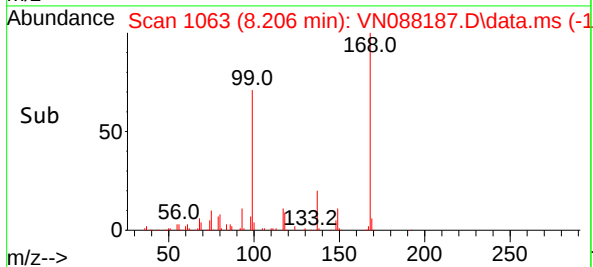
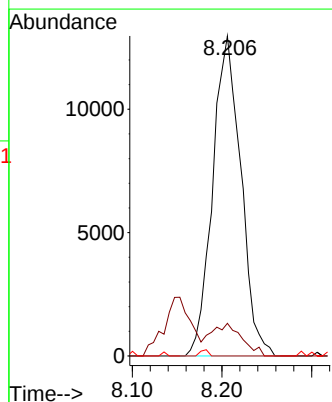
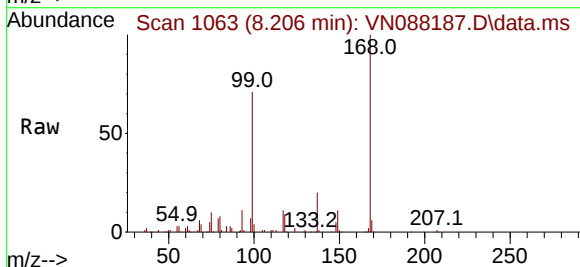
Tgt Ion: 75 Resp: 28340

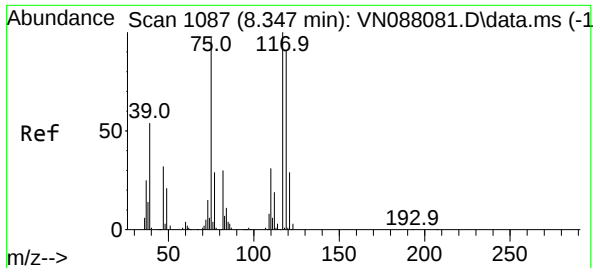
Ion Ratio Lower Upper

75 100

110 11.2 15.9 47.6#

77 0.0 24.4 36.6#

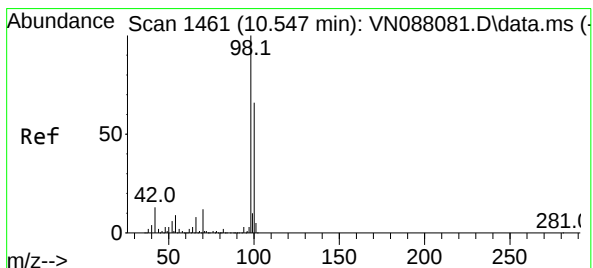
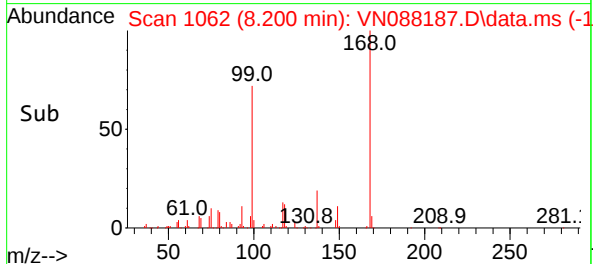
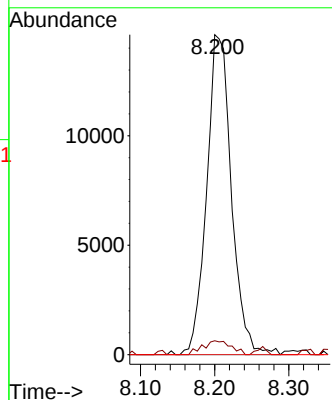
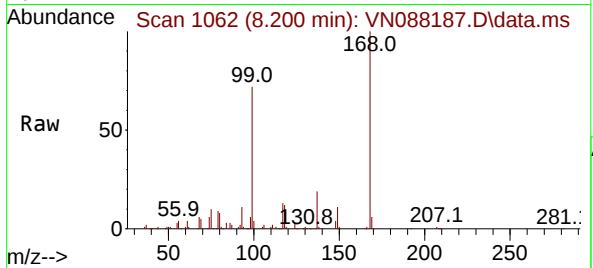




#38
Carbon Tetrachloride
Concen: 5.094 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.141 min
Lab File: VN088187.D
Acq: 31 Oct 2025 14:42

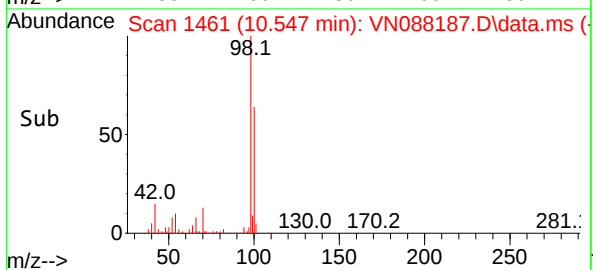
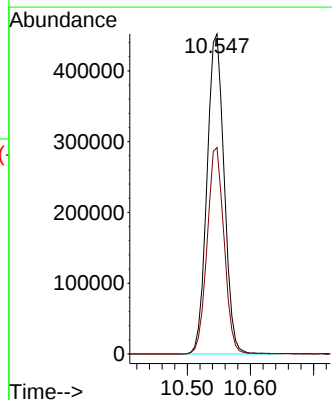
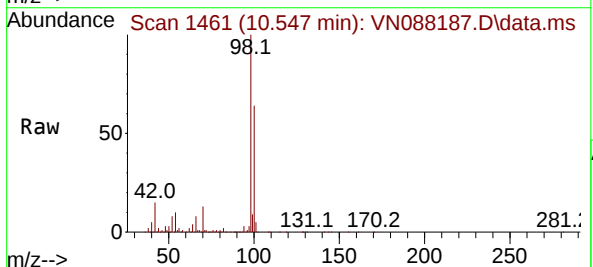
Instrument :
MSVOA_N
ClientSampleId :
IBLK

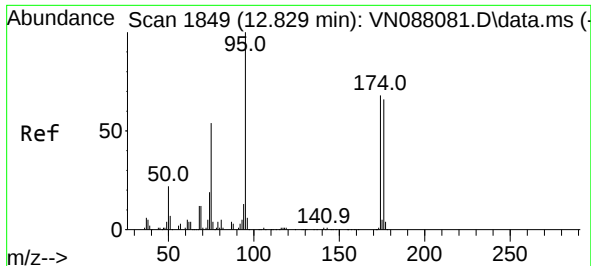
Tgt Ion:117 Resp: 33938
Ion Ratio Lower Upper
117 100
119 4.3 79.0 118.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 50.133 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088187.D
Acq: 31 Oct 2025 14:42

Tgt Ion: 98 Resp: 853472
Ion Ratio Lower Upper
98 100
100 63.7 52.8 79.2

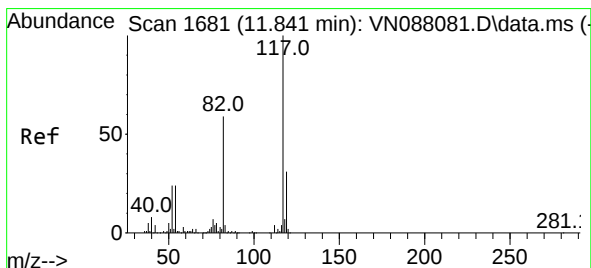
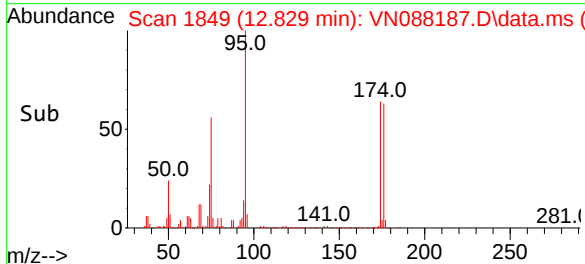
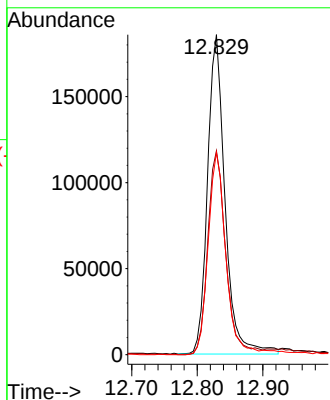
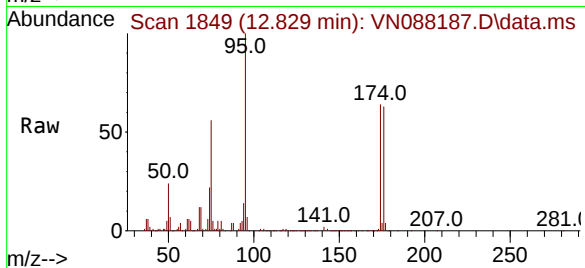




#62
4-Bromofluorobenzene
Concen: 57.380 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088187.D
Acq: 31 Oct 2025 14:42

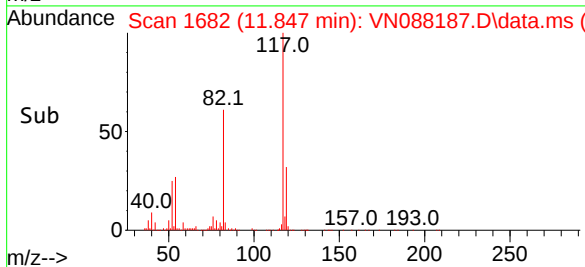
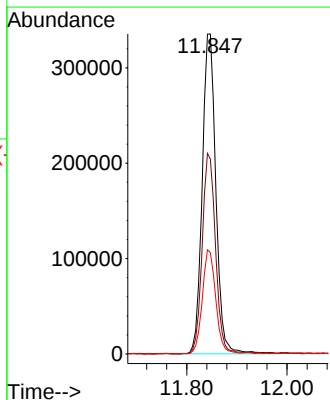
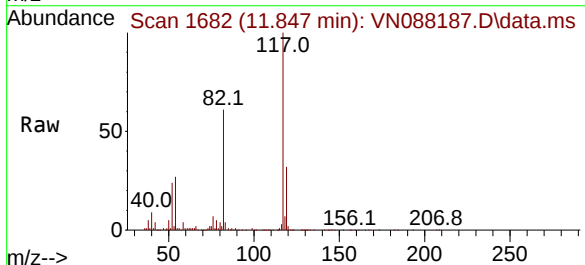
Instrument :
MSVOA_N
ClientSampleId :
IBLK

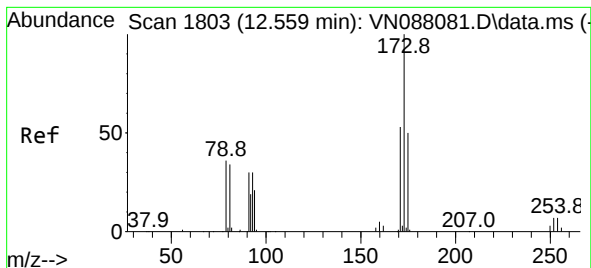
Tgt Ion: 95 Resp: 344981
Ion Ratio Lower Upper
95 100
174 65.6 0.0 138.4
176 65.9 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN088187.D
Acq: 31 Oct 2025 14:42

Tgt Ion: 117 Resp: 634979
Ion Ratio Lower Upper
117 100
82 60.9 47.4 71.2
119 31.6 24.3 36.5





#71

Bromoform

Concen: 0.444 ug/l

RT: 12.565 min Scan# 1804

Delta R.T. 0.006 min

Lab File: VN088187.D

Acq: 31 Oct 2025 14:42

Instrument :

MSVOA_N

ClientSampleId :

IBLK

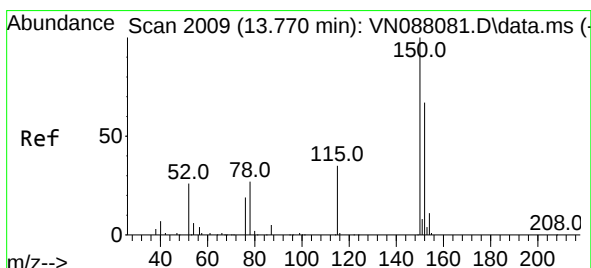
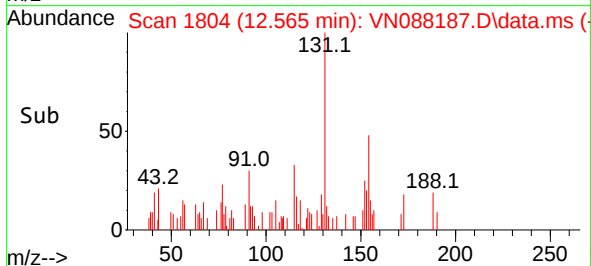
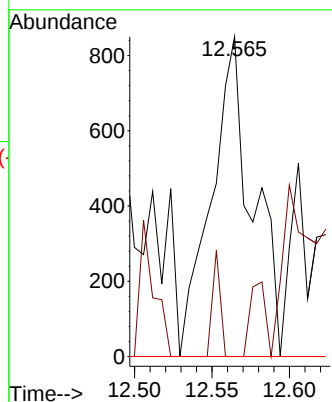
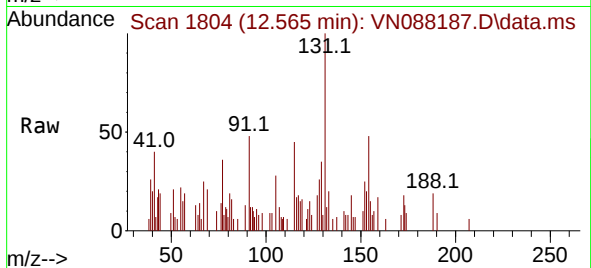
Tgt Ion:173 Resp: 1565

Ion Ratio Lower Upper

173 100

175 0.0 24.9 74.6#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.006 min

Lab File: VN088187.D

Acq: 31 Oct 2025 14:42

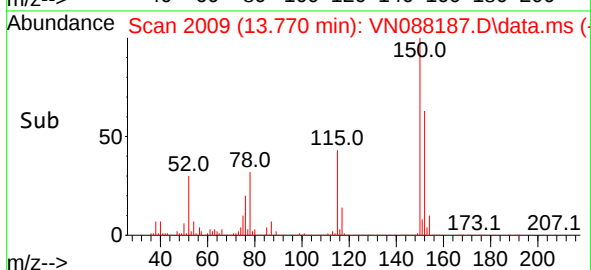
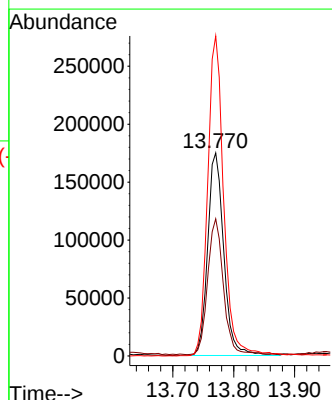
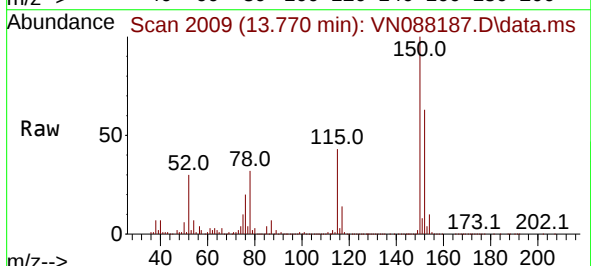
Tgt Ion:152 Resp: 322642

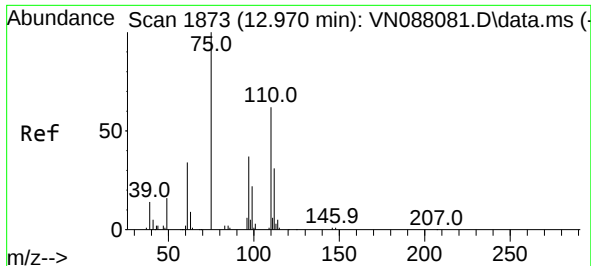
Ion Ratio Lower Upper

152 100

115 65.6 32.3 96.8

150 156.8 0.0 351.0

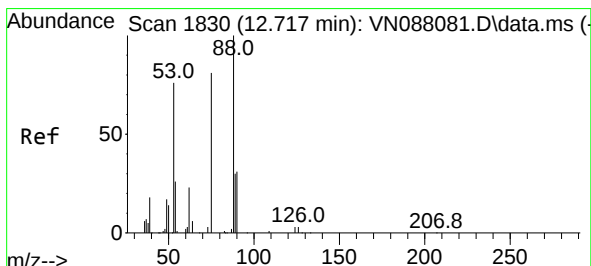
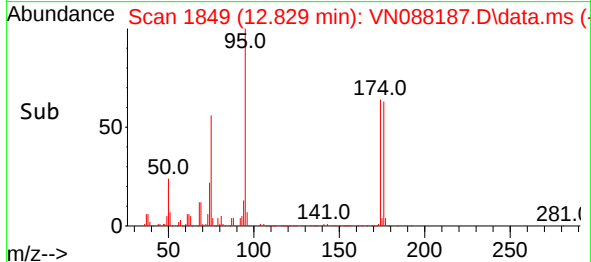
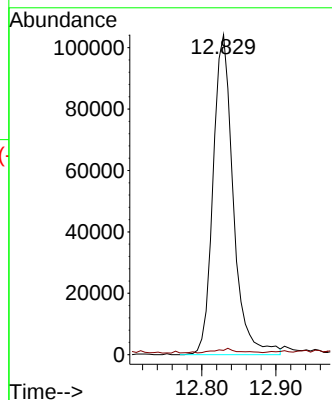
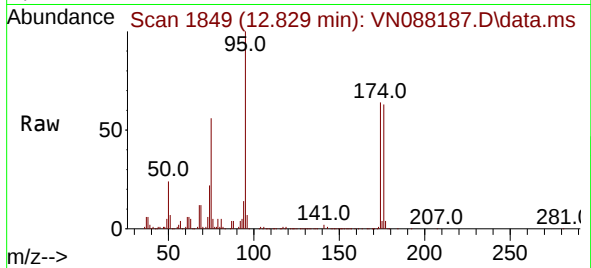




#76
1,2,3-Trichloropropane
Concen: 26.747 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN088187.D
Acq: 31 Oct 2025 14:42

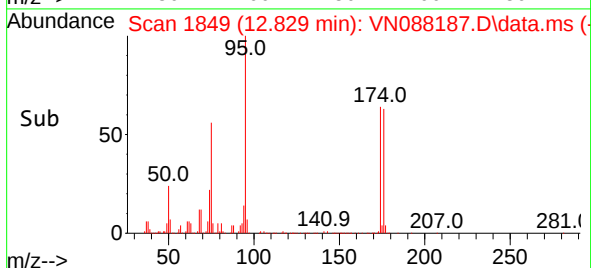
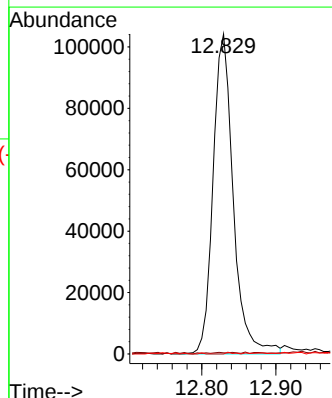
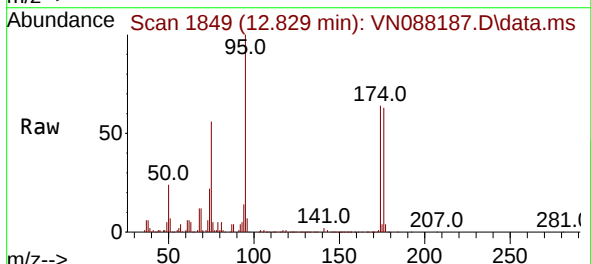
Instrument :
MSVOA_N
ClientSampleId :
IBLK

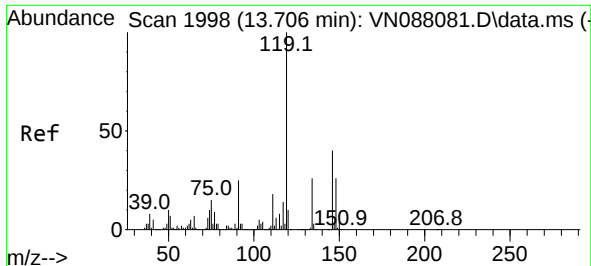
Tgt Ion: 75 Resp: 197305
Ion Ratio Lower Upper
75 100
77 1.5 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.613 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088187.D
Acq: 31 Oct 2025 14:42

Tgt Ion: 75 Resp: 197305
Ion Ratio Lower Upper
75 100
53 0.5 101.8 152.6#
89 0.2 35.6 53.4#

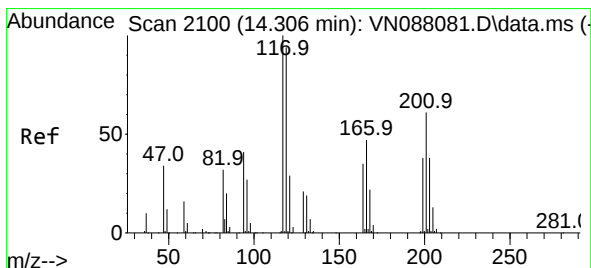
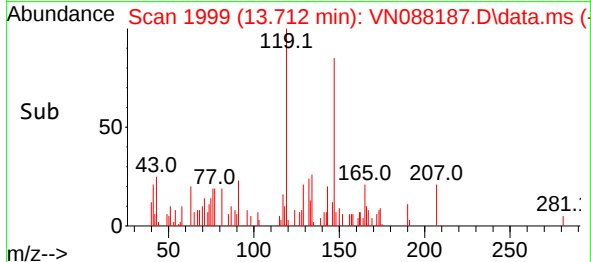
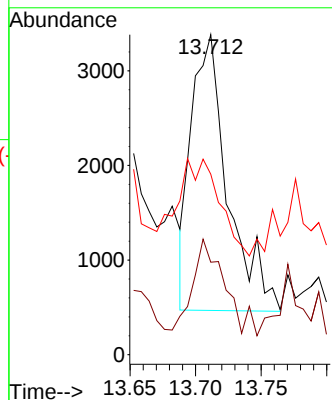
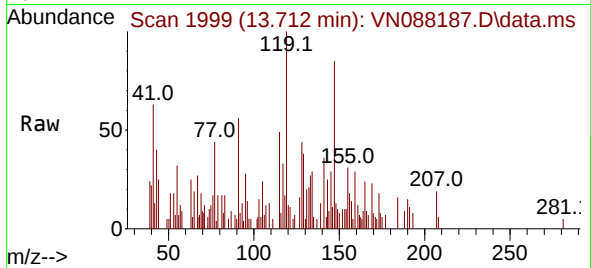




#86
p-Isopropyltoluene
Concen: 0.260 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.006 min
Lab File: VN088187.D
Acq: 31 Oct 2025 14:42

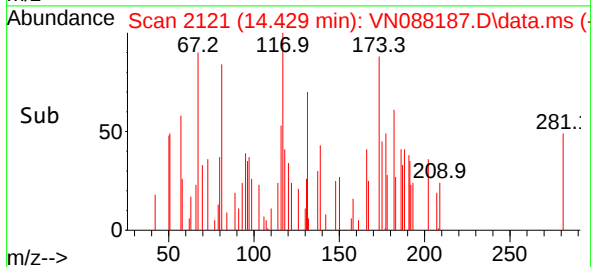
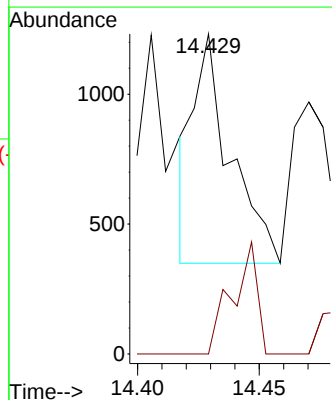
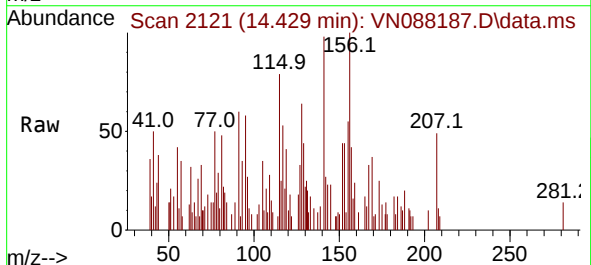
Instrument :
MSVOA_N
ClientSampleId :
IBLK

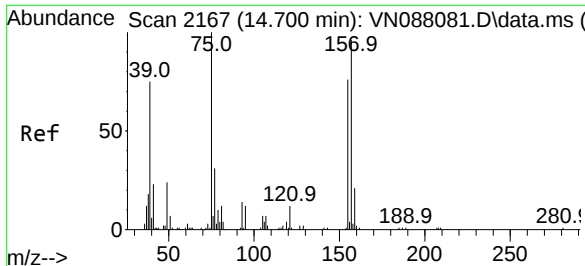
Tgt Ion:119 Resp: 5648
Ion Ratio Lower Upper
119 100
134 31.0 12.7 38.0
91 40.6 12.5 37.5#



#90
Hexachloroethane
Concen: 0.220 ug/l
RT: 14.429 min Scan# 2121
Delta R.T. 0.118 min
Lab File: VN088187.D
Acq: 31 Oct 2025 14:42

Tgt Ion:117 Resp: 928
Ion Ratio Lower Upper
117 100
201 32.9 29.1 87.4





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.266 ug/l

RT: 14.700 min Scan# 2167

Delta R.T. -0.000 min

Lab File: VN088187.D

Acq: 31 Oct 2025 14:42

Instrument :

MSVOA_N

ClientSampleId :

IBLK

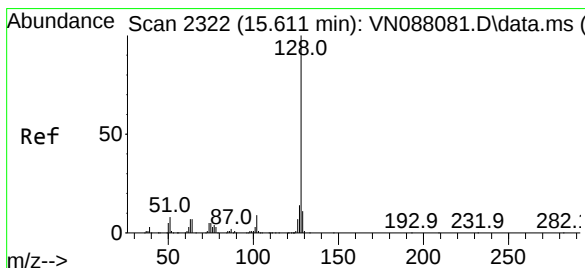
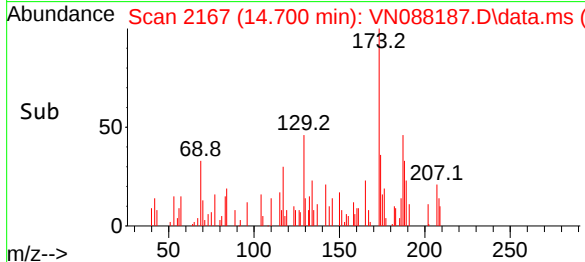
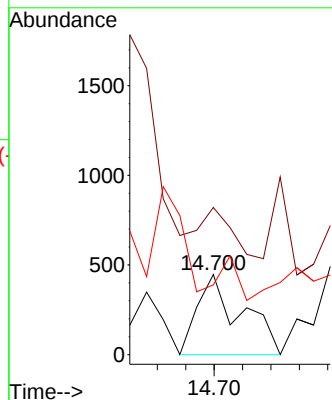
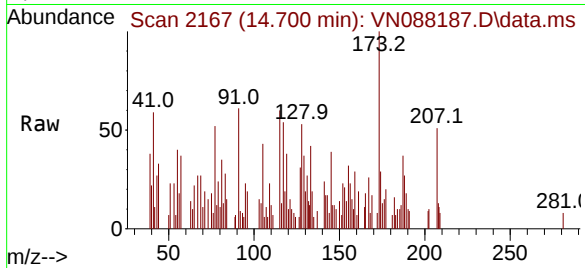
Tgt Ion: 75 Resp: 480

Ion Ratio Lower Upper

75 100

155 0.0 36.6 109.9#

157 0.0 45.6 136.9#



#95

Naphthalene

Concen: 1.251 ug/l

RT: 15.623 min Scan# 2324

Delta R.T. 0.012 min

Lab File: VN088187.D

Acq: 31 Oct 2025 14:42

Tgt Ion: 128 Resp: 26798

Ion Ratio Lower Upper

128 100

127 11.5 10.6 15.8

129 0.0 8.6 12.8#

