

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
 Data File : VN087781.D
 Acq On : 10 Sep 2025 15:26
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Quant Time: Sep 11 02:05:22 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)

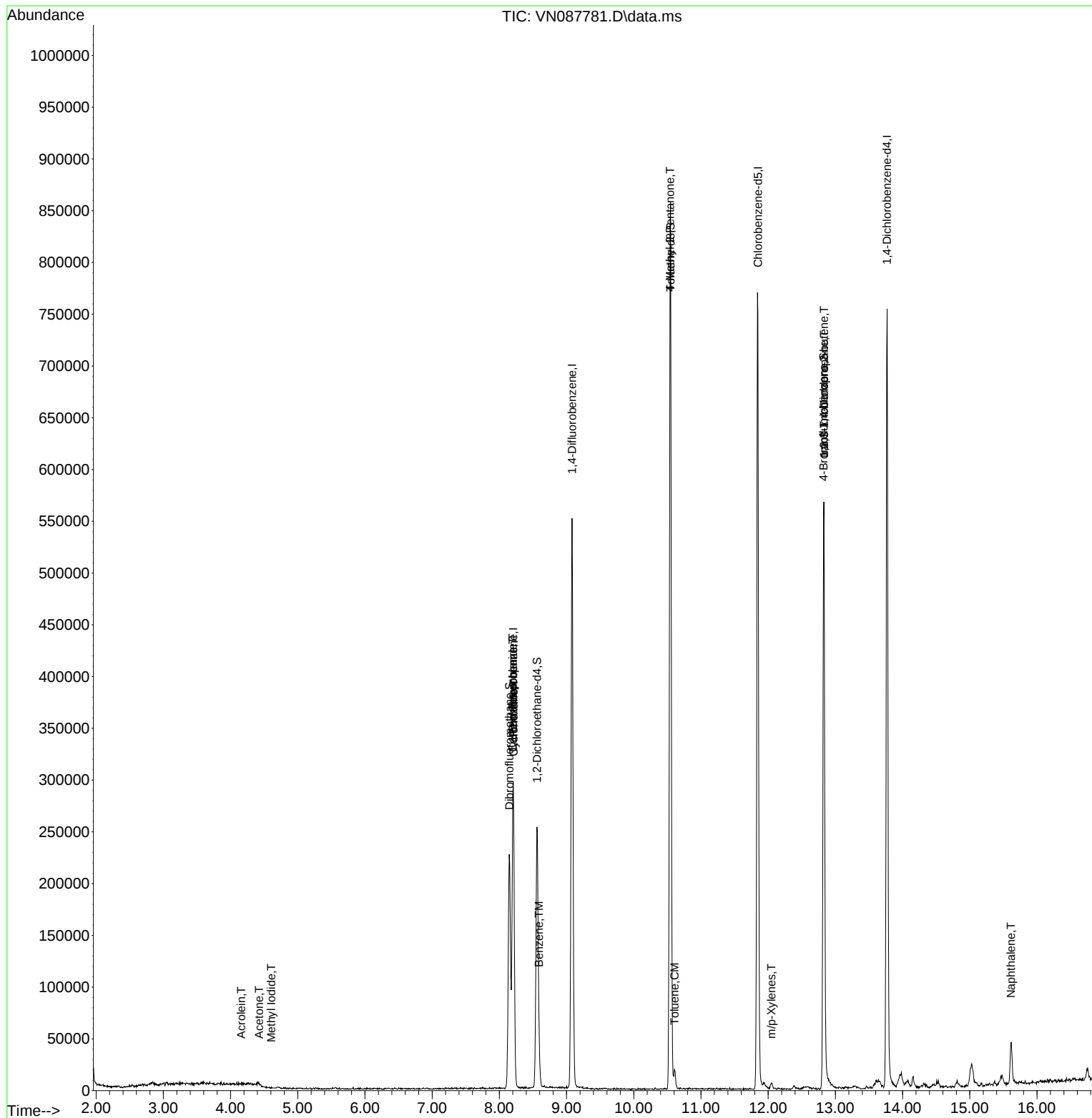
Internal Standards						
1) Pentafluorobenzene	8.206	168	204822	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	461905	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	427151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	201485	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	204949	48.837	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.680%
35) Dibromofluoromethane	8.147	113	159631	47.866	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.740%
50) Toluene-d8	10.547	98	580891	46.538	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.080%
62) 4-Bromofluorobenzene	12.823	95	202476	45.613	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.220%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.606	142	72	6.839	ug/l #	38
13) Acrolein	4.159	56	311	0.347	ug/l #	14
16) Acetone	4.424	43	2112	0.925	ug/l #	47
20) Methylene Chloride	5.271	84	295	Below Cal	#	22
31) Cyclohexane	8.212	56	5641	1.069	ug/l #	37
36) 1,1-Dichloropropene	8.200	75	20789	4.063	ug/l #	53
38) Carbon Tetrachloride	8.200	117	24319	4.814	ug/l #	16
40) Benzene	8.588	78	23337	1.487	ug/l	99
51) 4-Methyl-2-Pentanone	10.541	43	3327	0.505	ug/l #	1
52) Toluene	10.606	92	8368	0.860	ug/l	89
68) m/p-Xylenes	12.047	106	2064	0.306	ug/l #	65
76) 1,2,3-Trichloropropane	12.829	75	111968	23.697	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	111968	62.736	ug/l #	1
95) Naphthalene	15.611	128	41339	2.710	ug/l	99

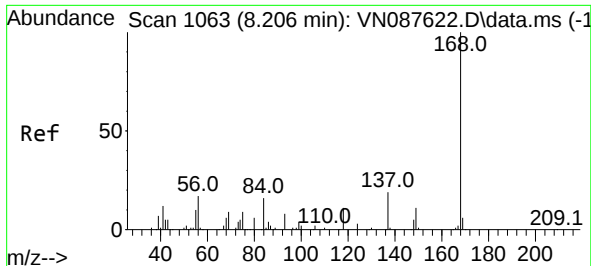
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

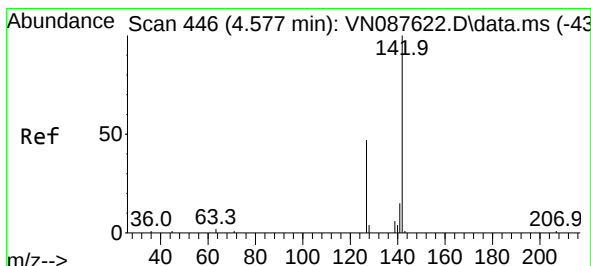
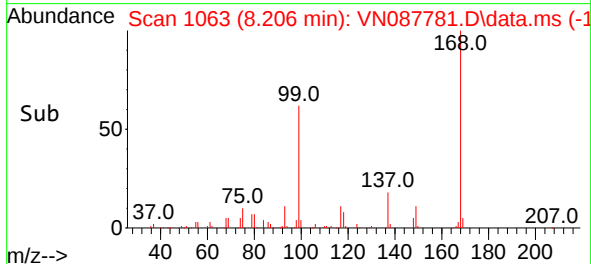
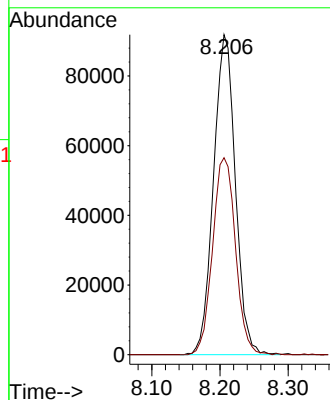
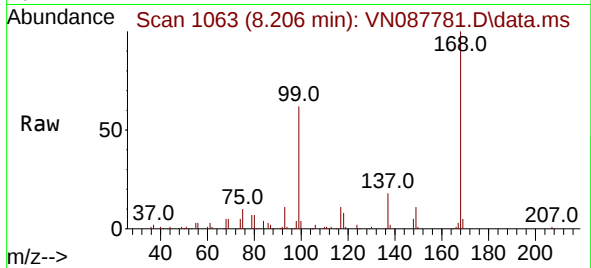




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087781.D
Acq: 10 Sep 2025 15:26

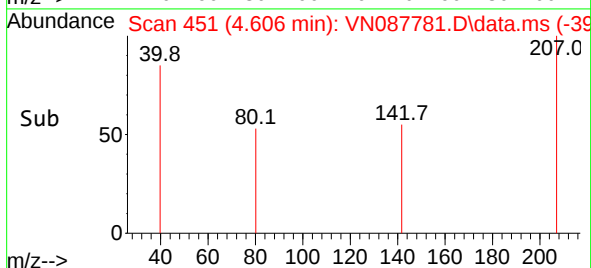
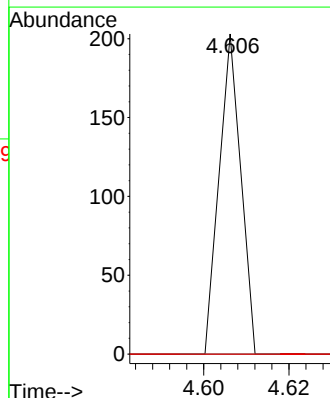
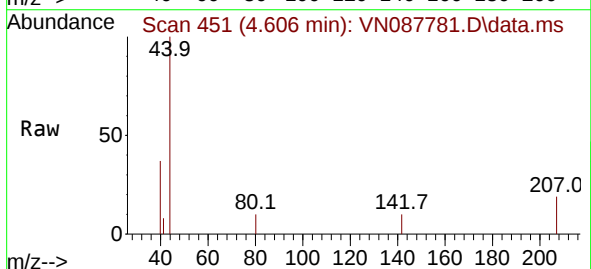
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

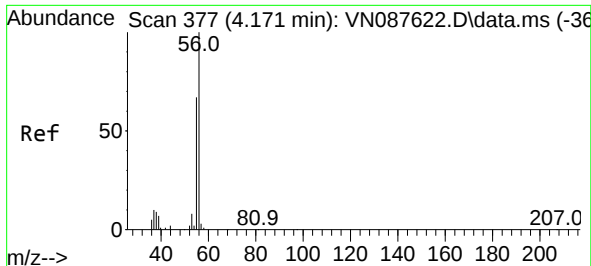
Tgt Ion:168 Resp: 204822
Ion Ratio Lower Upper
168 100
99 61.6 57.2 85.8



#10
Methyl Iodide
Concen: 6.839 ug/l
RT: 4.606 min Scan# 451
Delta R.T. 0.029 min
Lab File: VN087781.D
Acq: 10 Sep 2025 15:26

Tgt Ion:142 Resp: 72
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#

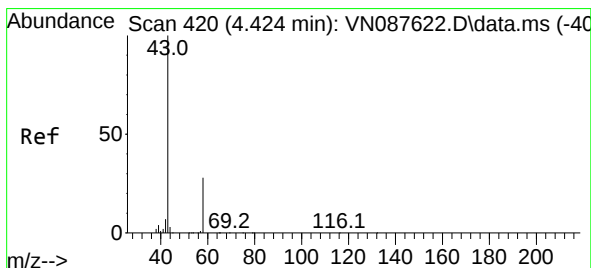
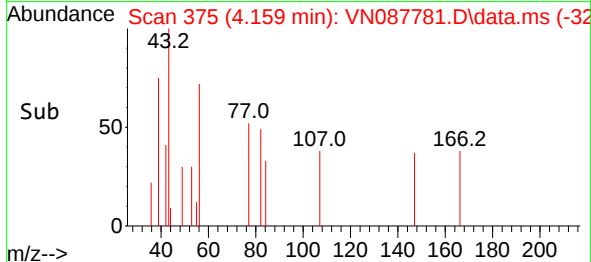
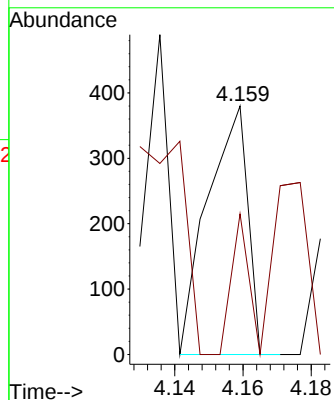
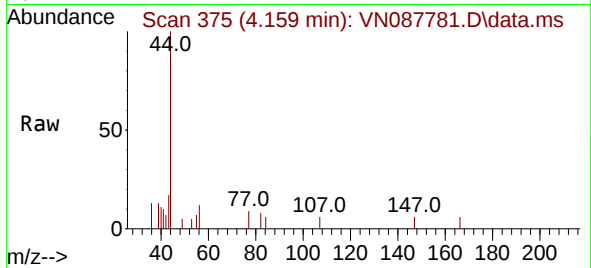




#13
Acrolein
Concen: 0.347 ug/l
RT: 4.159 min Scan# 311
Delta R.T. -0.012 min
Lab File: VN087781.D
Acq: 10 Sep 2025 15:26

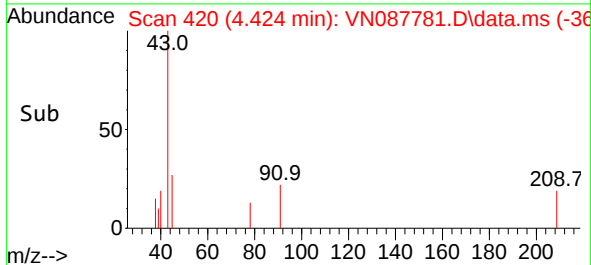
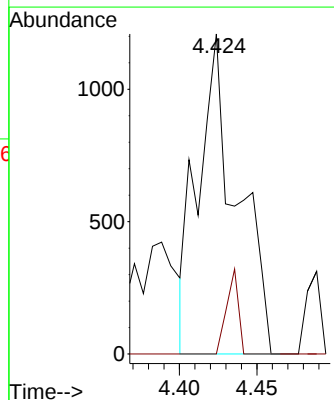
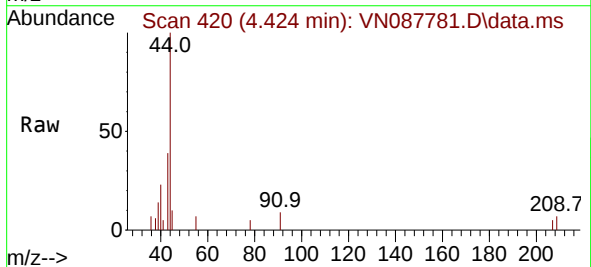
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

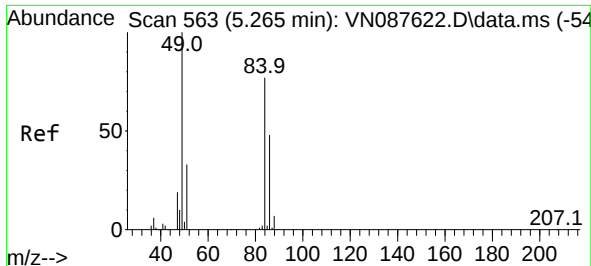
Tgt Ion: 56 Resp: 311
Ion Ratio Lower Upper
56 100
55 0.0 57.3 85.9#



#16
Acetone
Concen: 0.925 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN087781.D
Acq: 10 Sep 2025 15:26

Tgt Ion: 43 Resp: 2112
Ion Ratio Lower Upper
43 100
58 0.0 22.6 33.8#

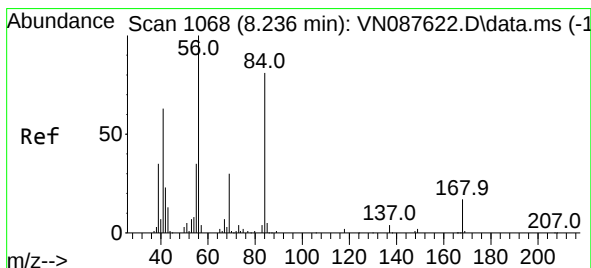
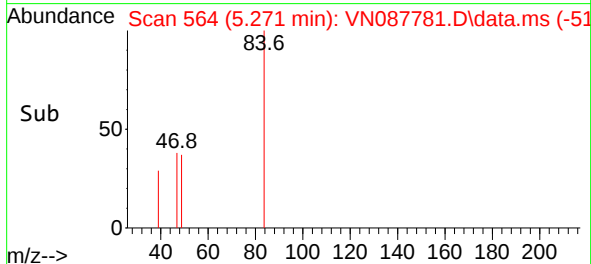
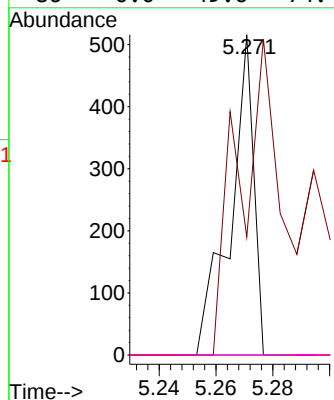
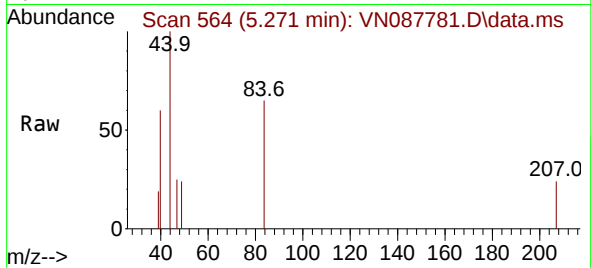




#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087781.D
Acq: 10 Sep 2025 15:26

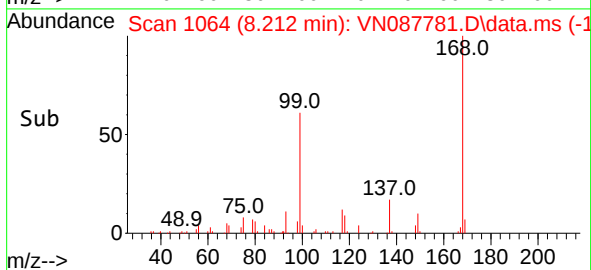
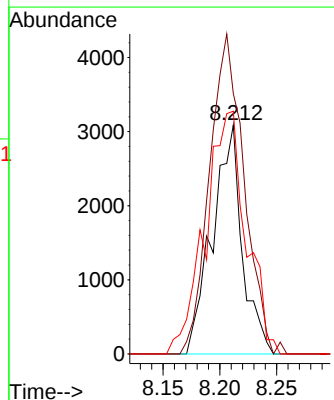
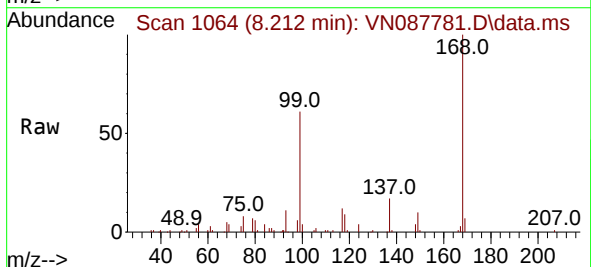
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

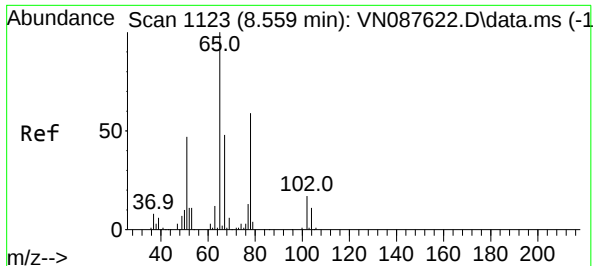
Tgt Ion:	84	Resp:	295
Ion	Ratio	Lower	Upper
84	100		
49	36.8	103.4	155.2#
51	0.0	33.8	50.8#
86	0.0	49.6	74.4#



#31
Cyclohexane
Concen: 1.069 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.024 min
Lab File: VN087781.D
Acq: 10 Sep 2025 15:26

Tgt Ion:	56	Resp:	5641
Ion	Ratio	Lower	Upper
56	100		
69	113.7	23.7	35.5#
84	106.0	64.7	97.1#





#33

1,2-Dichloroethane-d4

Concen: 48.837 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN087781.D

Acq: 10 Sep 2025 15:26

Instrument :

MSVOA_N

ClientSampleId :

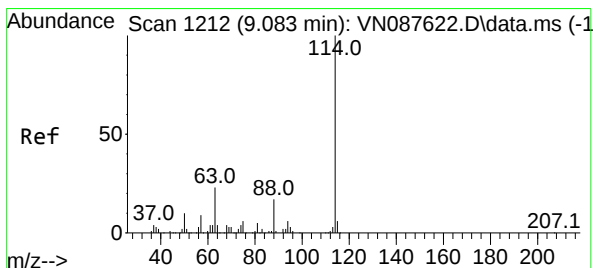
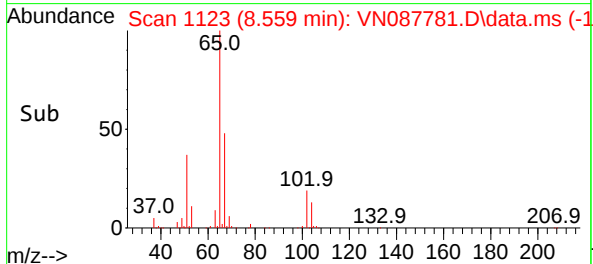
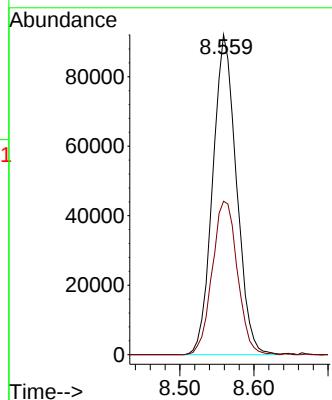
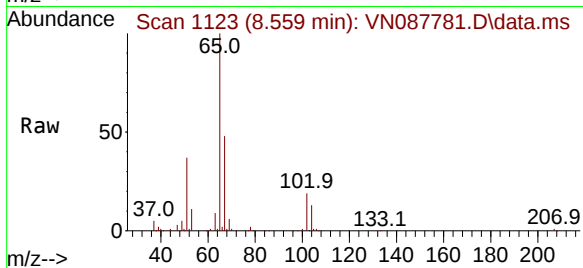
VIBLK

Tgt Ion: 65 Resp: 204949

Ion Ratio Lower Upper

65 100

67 50.8 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: VN087781.D

Acq: 10 Sep 2025 15:26

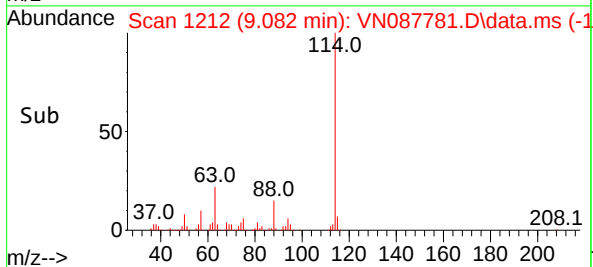
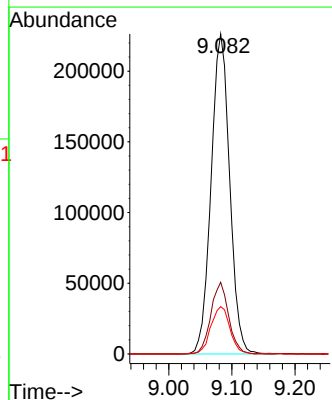
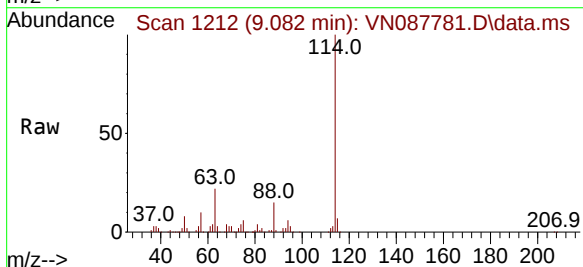
Tgt Ion: 114 Resp: 461905

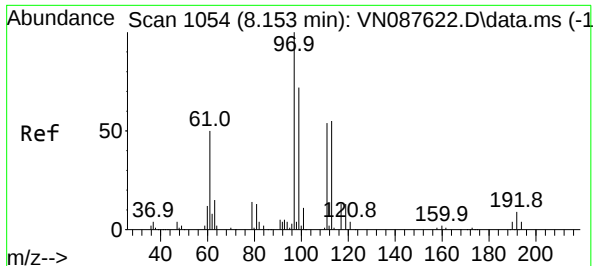
Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.2

88 14.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 47.866 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087781.D

Acq: 10 Sep 2025 15:26

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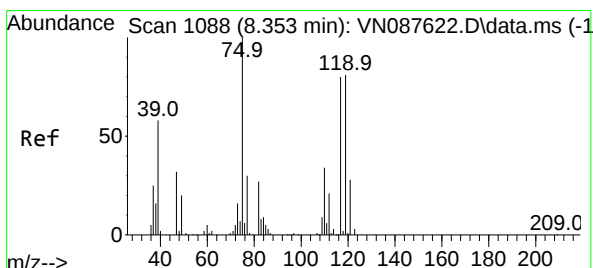
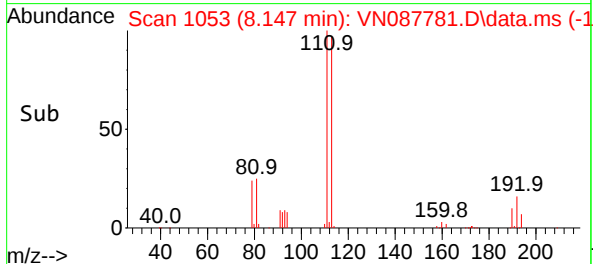
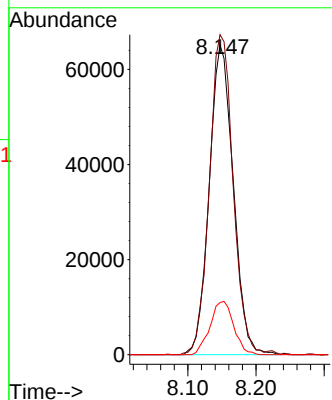
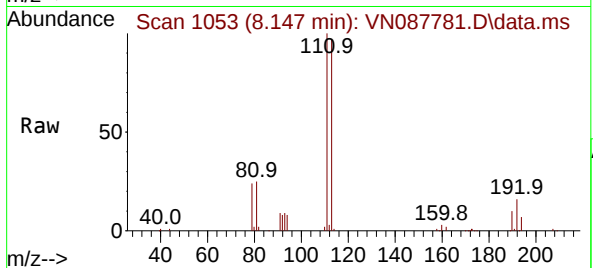
Tgt Ion:113 Resp: 159631

Ion Ratio Lower Upper

113 100

111 101.9 82.8 124.2

192 17.0 12.8 19.2



#36

1,1-Dichloropropene

Concen: 4.063 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.153 min

Lab File: VN087781.D

Acq: 10 Sep 2025 15:26

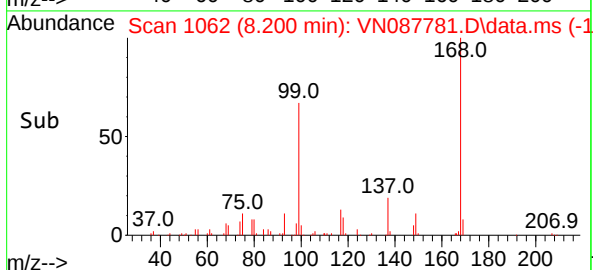
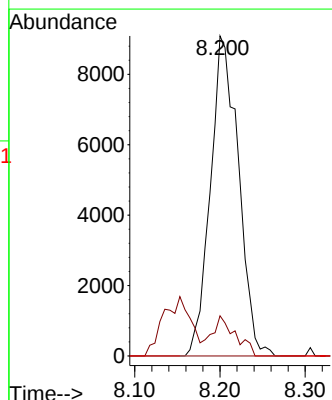
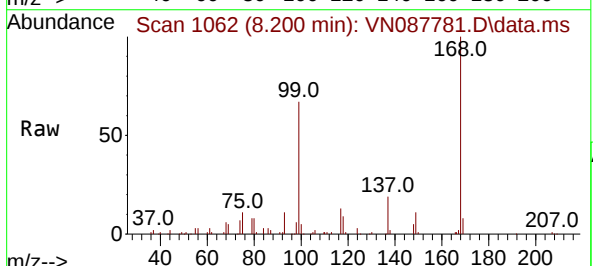
Tgt Ion: 75 Resp: 20789

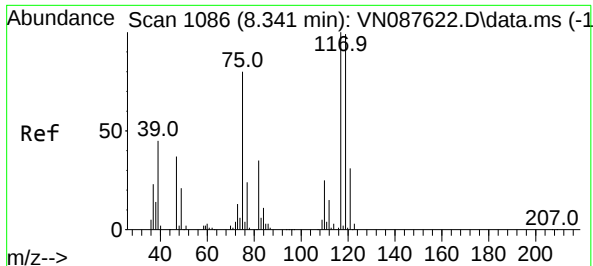
Ion Ratio Lower Upper

75 100

110 9.9 15.9 47.6#

77 0.0 24.4 36.6#

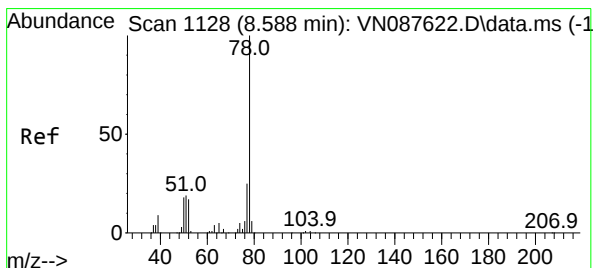
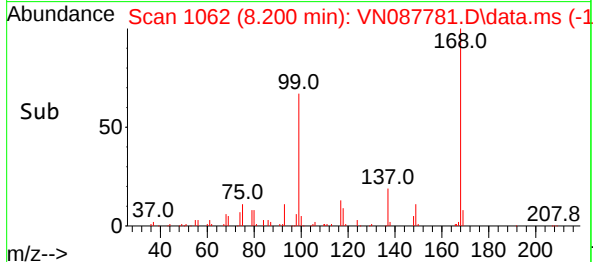
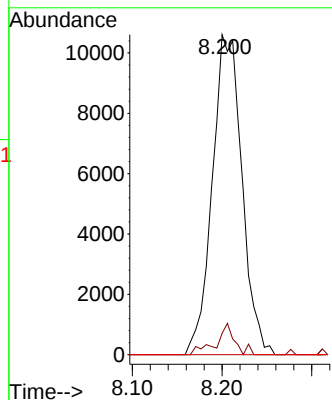
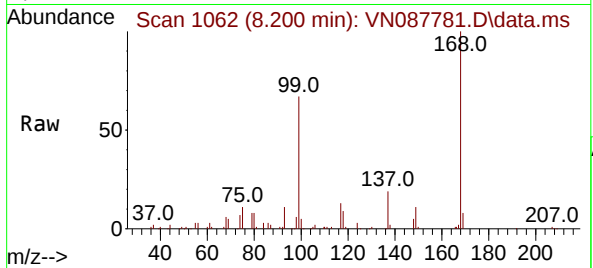




#38
Carbon Tetrachloride
Concen: 4.814 ug/l
RT: 8.200 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN087781.D
Acq: 10 Sep 2025 15:26

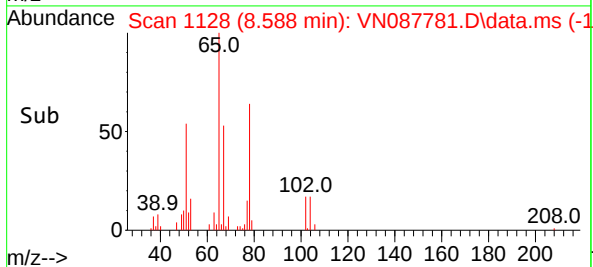
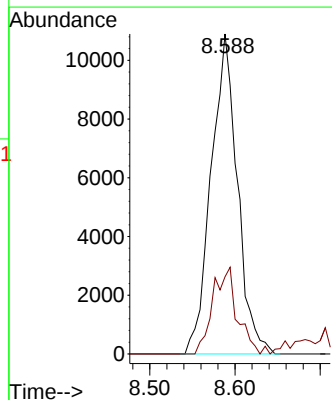
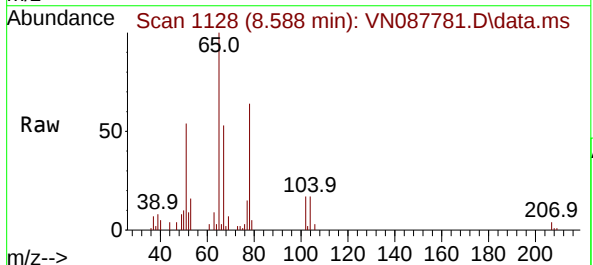
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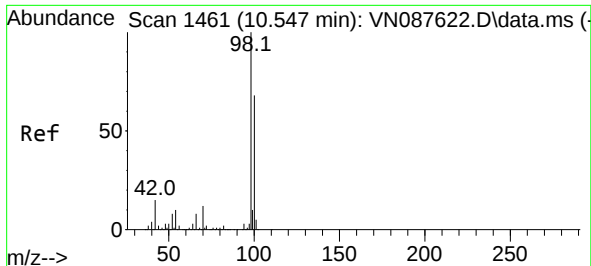
Tgt Ion:117 Resp: 24319
Ion Ratio Lower Upper
117 100
119 6.6 79.0 118.6#
121 0.0 25.0 37.6#



#40
Benzene
Concen: 1.487 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087781.D
Acq: 10 Sep 2025 15:26

Tgt Ion: 78 Resp: 23337
Ion Ratio Lower Upper
78 100
77 24.1 19.7 29.5

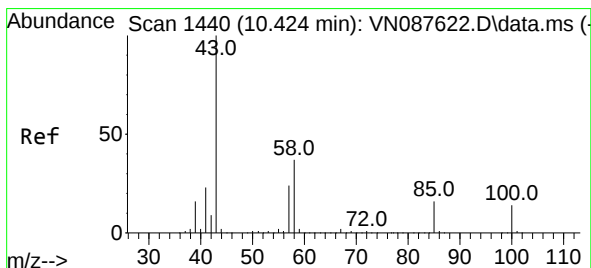
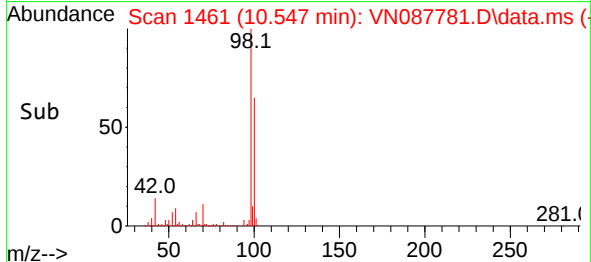
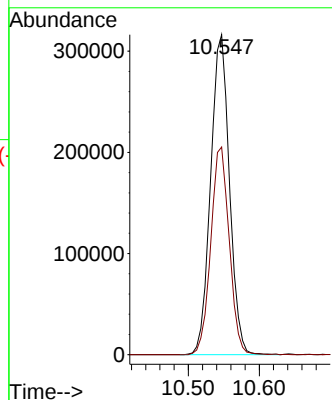
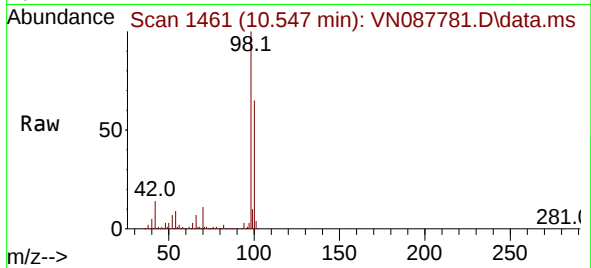




#50
Toluene-d8
Concen: 46.538 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087781.D
Acq: 10 Sep 2025 15:26

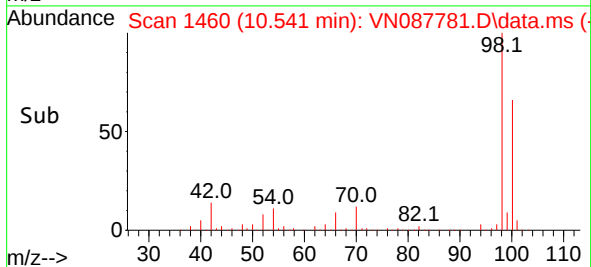
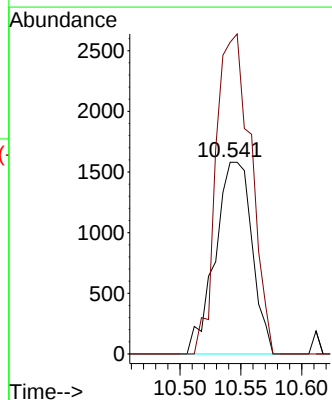
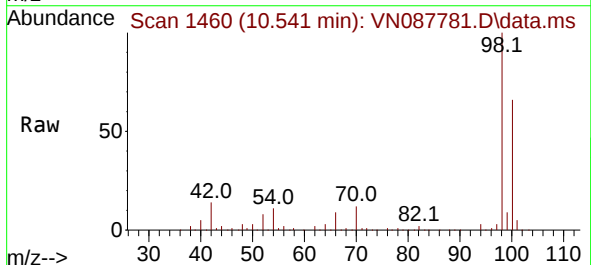
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

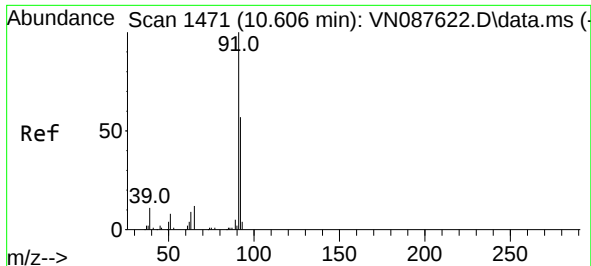
Tgt Ion: 98 Resp: 580891
Ion Ratio Lower Upper
98 100
100 63.8 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 0.505 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. 0.117 min
Lab File: VN087781.D
Acq: 10 Sep 2025 15:26

Tgt Ion: 43 Resp: 3327
Ion Ratio Lower Upper
43 100
58 157.6 29.6 44.4#

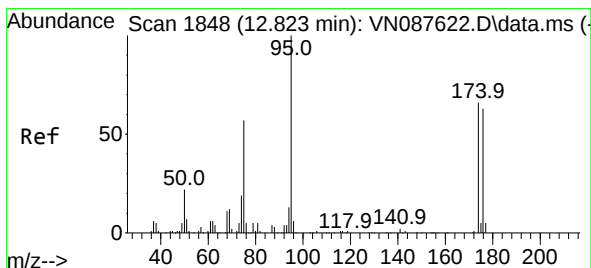
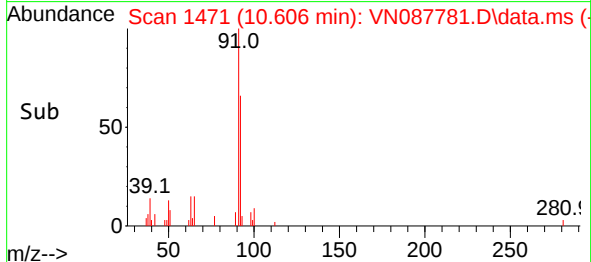
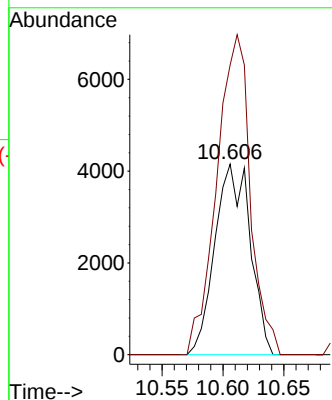
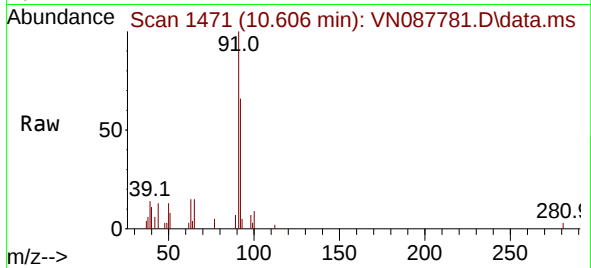




#52
Toluene
Concen: 0.860 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN087781.D
Acq: 10 Sep 2025 15:26

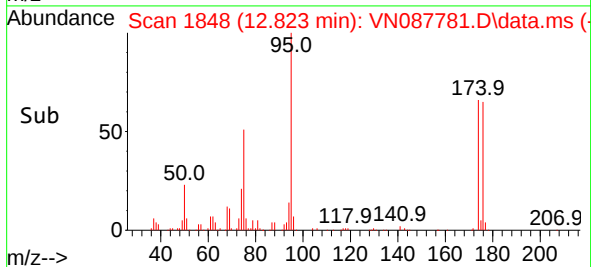
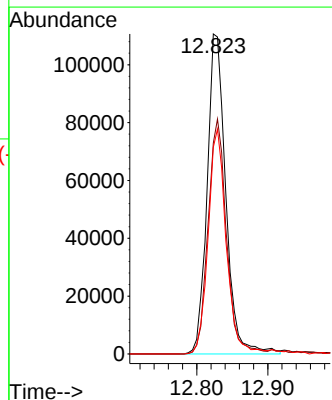
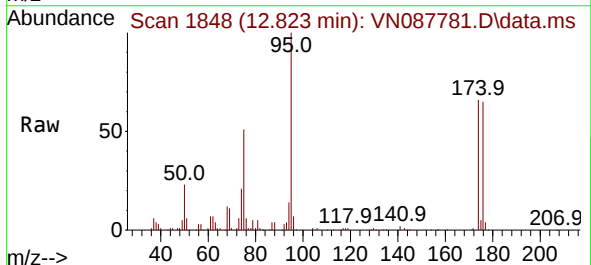
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

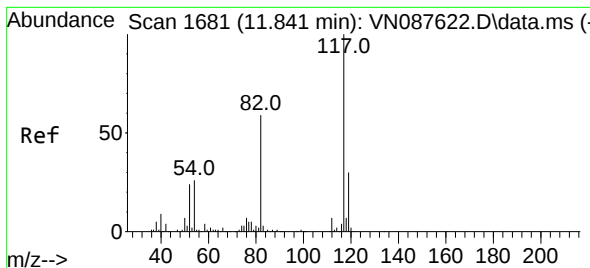
Tgt Ion: 92 Resp: 8368
Ion Ratio Lower Upper
92 100
91 159.9 140.4 210.6



#62
4-Bromofluorobenzene
Concen: 45.613 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VN087781.D
Acq: 10 Sep 2025 15:26

Tgt Ion: 95 Resp: 202476
Ion Ratio Lower Upper
95 100
174 72.2 0.0 138.4
176 69.3 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.847 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN087781.D

Acq: 10 Sep 2025 15:26

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

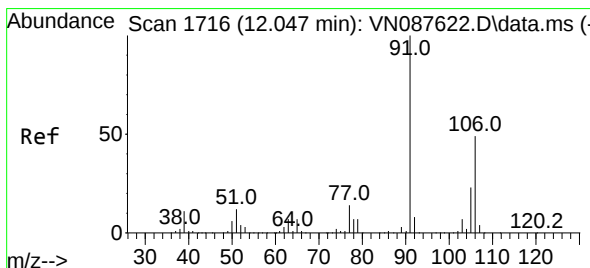
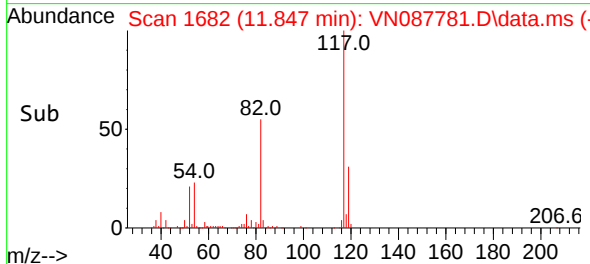
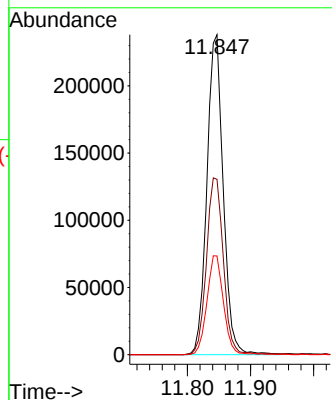
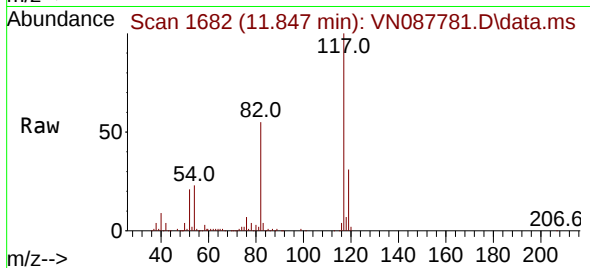
Tgt Ion:117 Resp: 427151

Ion Ratio Lower Upper

117 100

82 54.8 47.4 71.2

119 30.9 24.3 36.5



#68

m/p-Xylenes

Concen: 0.306 ug/l

RT: 12.047 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VN087781.D

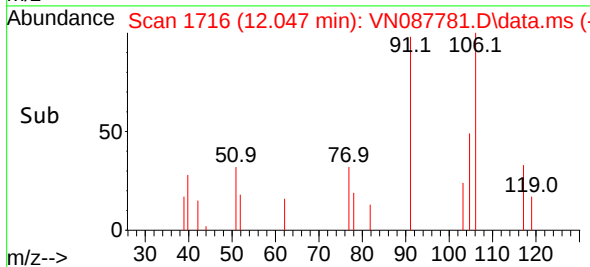
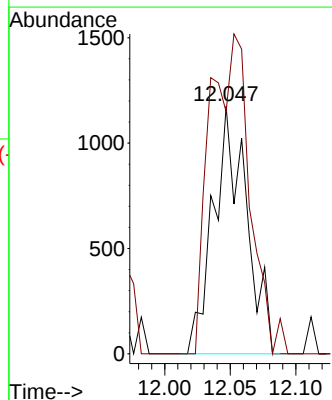
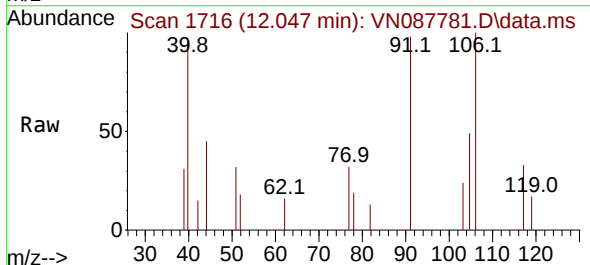
Acq: 10 Sep 2025 15:26

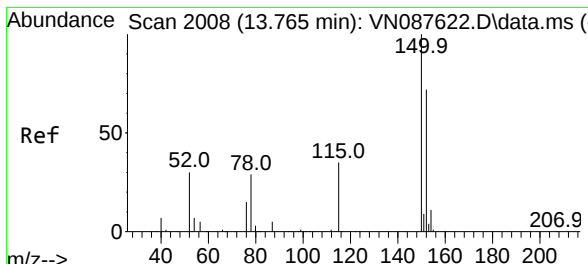
Tgt Ion:106 Resp: 2064

Ion Ratio Lower Upper

106 100

91 156.3 169.3 253.9#

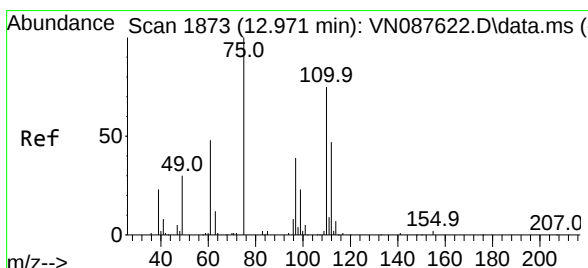
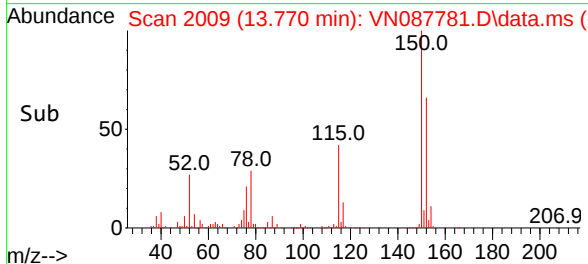
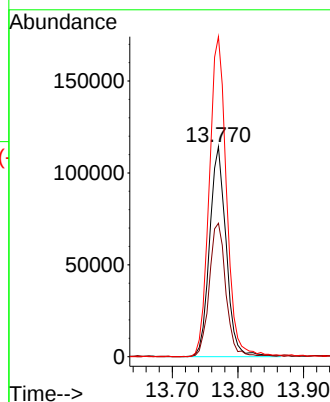
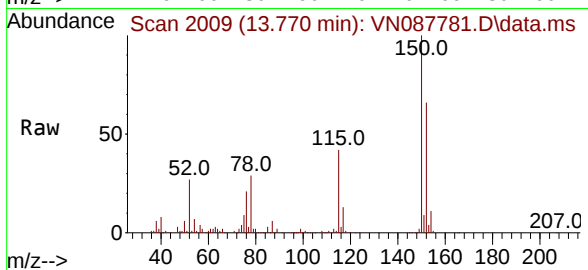




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 201485
 Delta R.T. 0.006 min
 Lab File: VN087781.D
 Acq: 10 Sep 2025 15:26

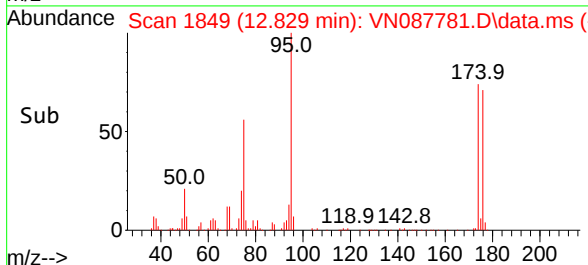
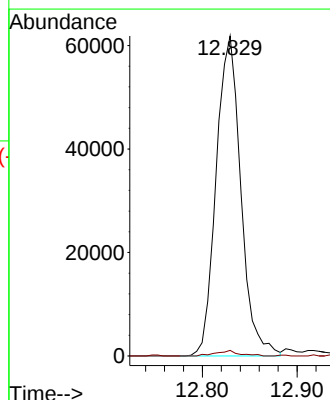
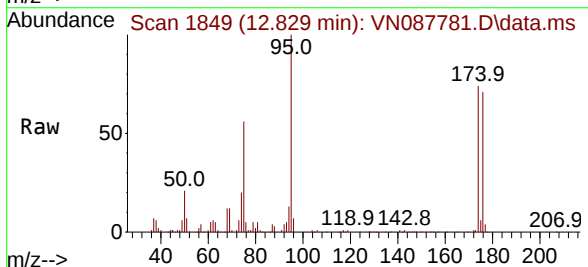
Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

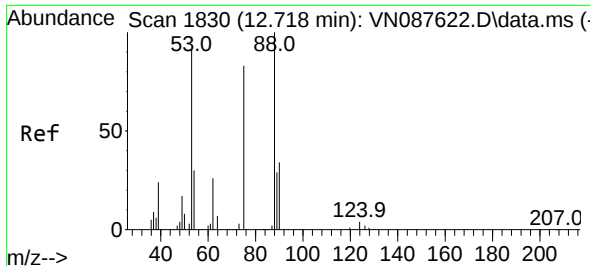
Tgt Ion:152 Resp: 201485
 Ion Ratio Lower Upper
 152 100
 115 63.3 32.3 96.8
 150 158.0 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 23.697 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN087781.D
 Acq: 10 Sep 2025 15:26

Tgt Ion: 75 Resp: 111968
 Ion Ratio Lower Upper
 75 100
 77 1.6 89.1 267.4#

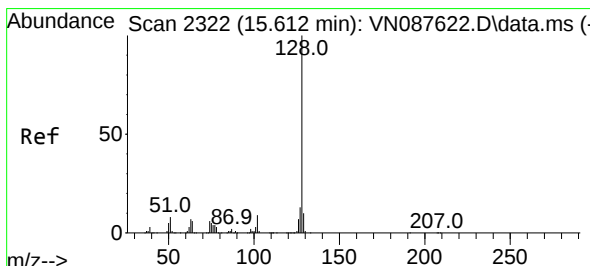
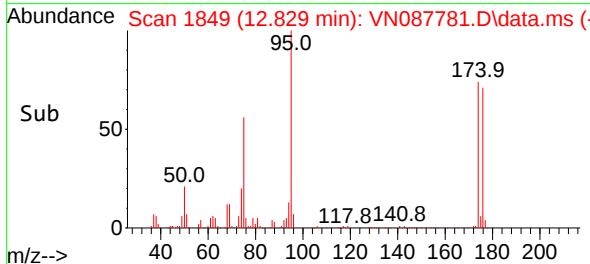
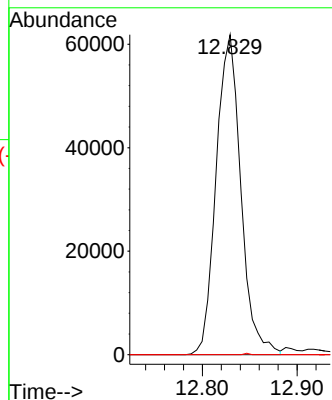
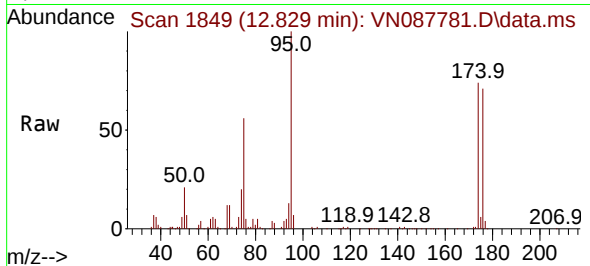




#81
trans-1,4-Dichloro-2-butene
Concen: 62.736 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087781.D
Acq: 10 Sep 2025 15:26

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 111968
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.1 35.6 53.4#



#95
Naphthalene
Concen: 2.710 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VN087781.D
Acq: 10 Sep 2025 15:26

Tgt Ion: 128 Resp: 41339
Ion Ratio Lower Upper
128 100
127 12.6 10.6 15.8
129 10.9 8.6 12.8

