

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN073025\
 Data File : VN087440.D
 Acq On : 30 Jul 2025 11:20
 Operator : JC\MD
 Sample : VN0730WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBL01

Quant Time: Jul 31 01:14:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 28 11:35:47 2025
 Response via : Initial Calibration

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

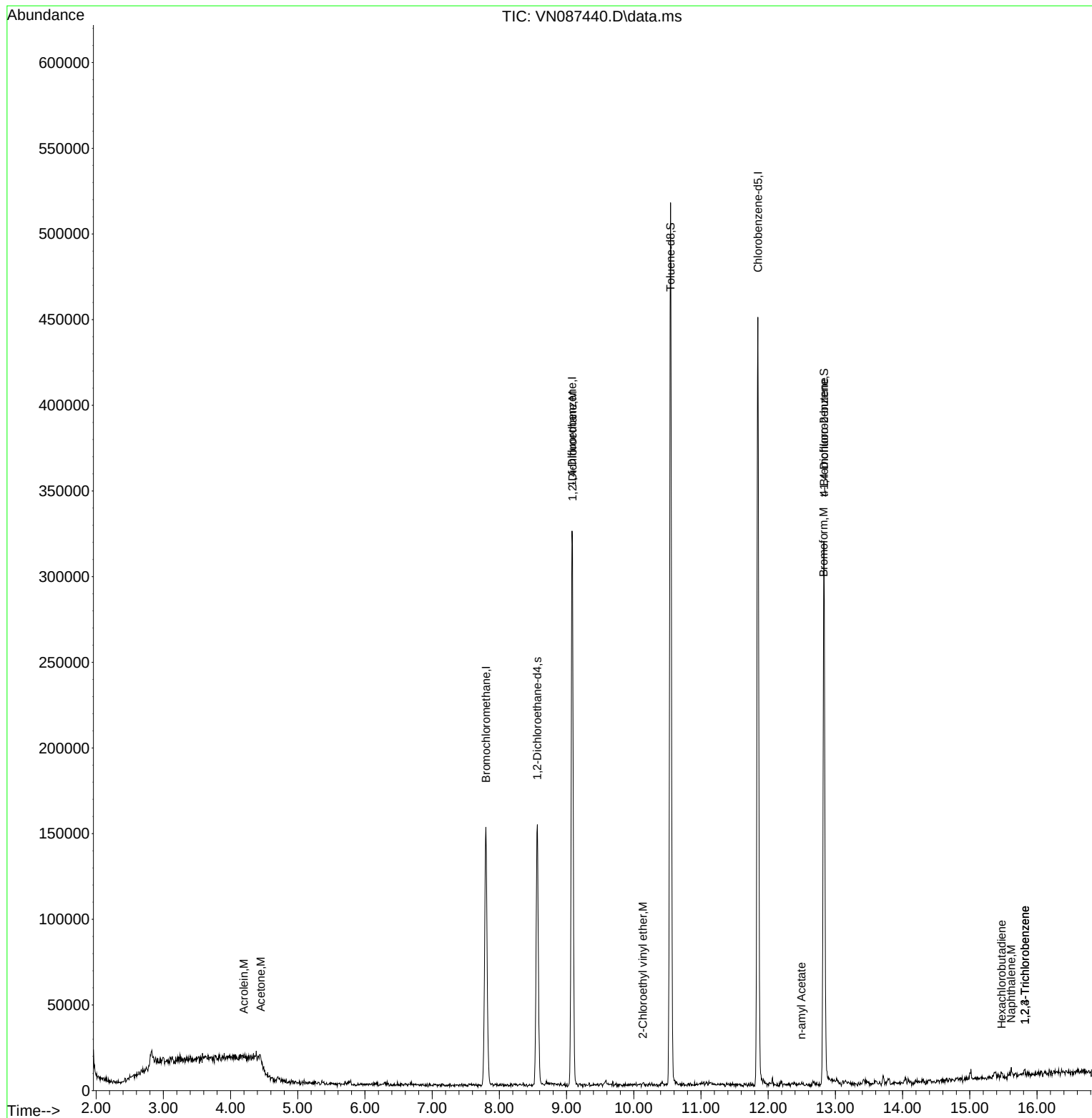
Internal Standards						
1) Bromochloromethane	7.800	128	50464	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	272258	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	243647	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	117368	30.415	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.367%
60) 4-Bromofluorobenzene	12.829	95	109256	27.307	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.033%
63) Toluene-d8	10.547	98	340527	30.433	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.433%
Target Compounds						
					Qvalue	
13) Acrolein	4.200	56	346	0.901	ug/l	88
15) Acetone	4.447	58	172	0.364	ug/l #	1
36) 1,2-Dichloroethane	9.088	62	11023	2.620	ug/l #	100
47) n-amyl Acetate	12.494	43	804	0.213	ug/l	96
55) 2-Chloroethyl vinyl ether	10.135	63	965	0.431	ug/l #	56
56) Bromoform	12.823	173	560	0.232	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.829	75	62643	33.645	ug/l #	14
89) 1,2,4-Trichlorobenzene	15.823	180	1114	0.302	ug/l #	67
90) Hexachlorobutadiene	15.476	225	557	0.397	ug/l	65
91) Naphthalene	15.617	128	3735	0.268	ug/l	96
92) 1,2,3-Trichlorobenzene	15.823	180	1114	0.302	ug/l #	67

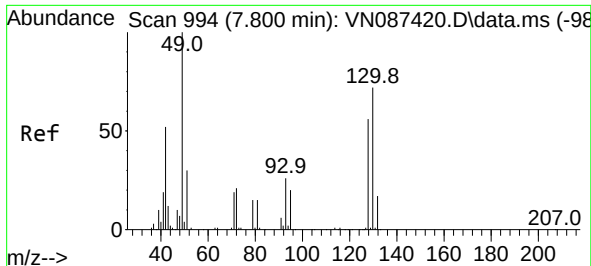
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN073025\
Data File : VN087440.D
Acq On : 30 Jul 2025 11:20
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Sample : VN0730WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBL01

Quant Time: Jul 31 01:14:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jul 28 11:35:47 2025
Response via : Initial Calibration

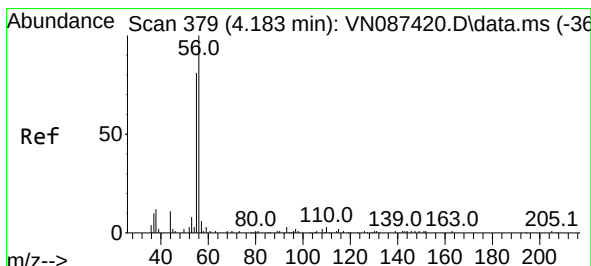
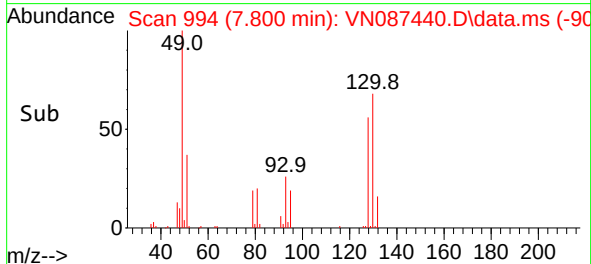
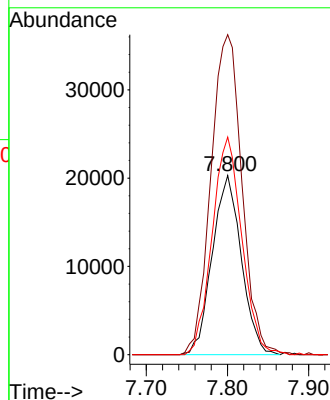
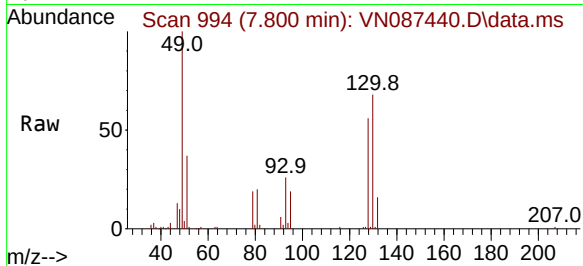




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087440.D
Acq: 30 Jul 2025 11:20

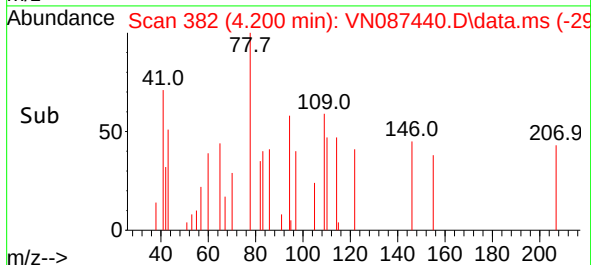
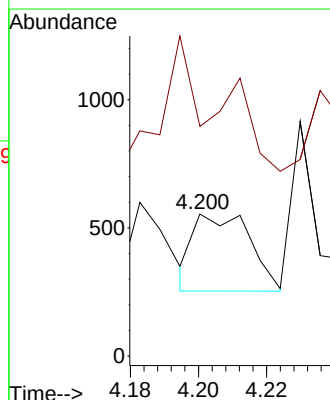
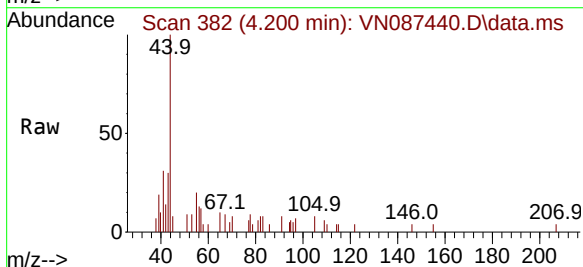
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBL01

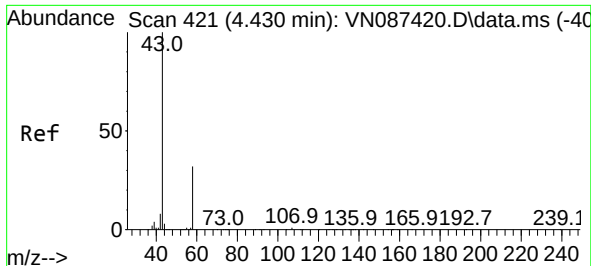
Tgt Ion:128 Resp: 50464
Ion Ratio Lower Upper
128 100
49 190.3 0.0 457.3
130 124.3 0.0 316.0



#13
Acrolein
Concen: 0.901 ug/l
RT: 4.200 min Scan# 382
Delta R.T. 0.018 min
Lab File: VN087440.D
Acq: 30 Jul 2025 11:20

Tgt Ion: 56 Resp: 346
Ion Ratio Lower Upper
56 100
55 83.8 58.9 88.3

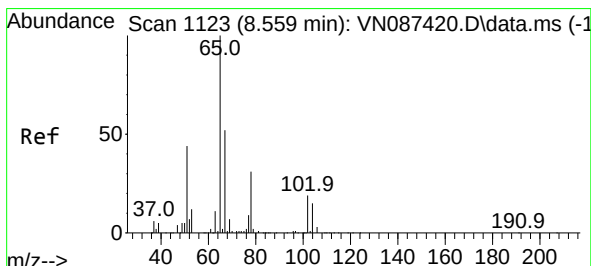
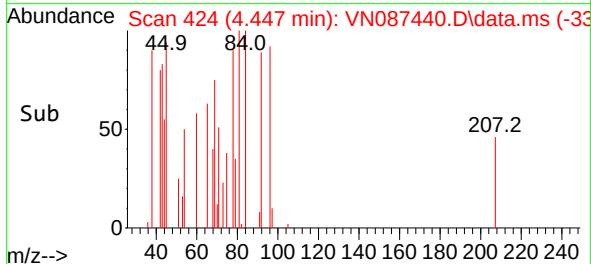
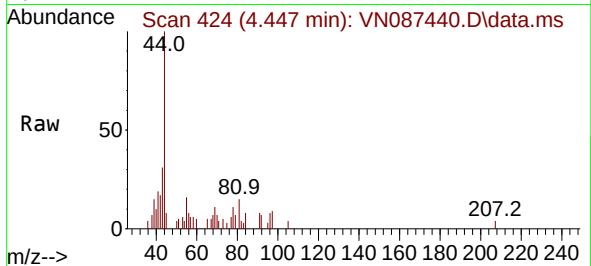




#15
Acetone
Concen: 0.364 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN087440.D
Acq: 30 Jul 2025 11:20

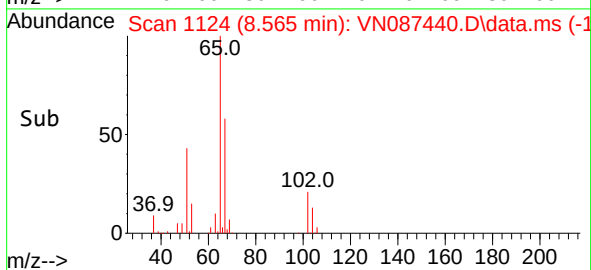
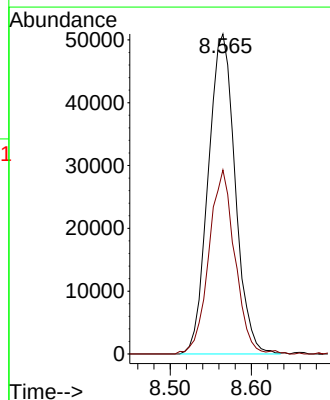
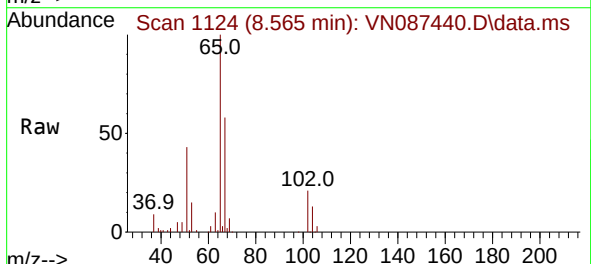
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBL01

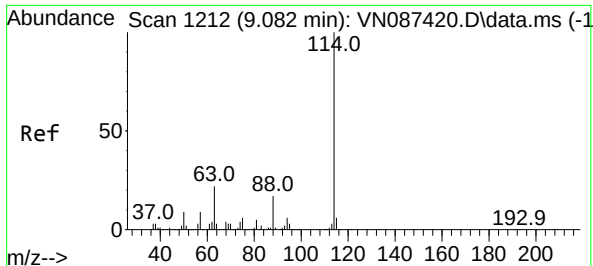
Tgt Ion: 58 Resp: 172
Ion Ratio Lower Upper
58 100
43 110.2 248.4 372.6#



#27
1,2-Dichloroethane-d4
Concen: 30.415 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087440.D
Acq: 30 Jul 2025 11:20

Tgt Ion: 65 Resp: 117368
Ion Ratio Lower Upper
65 100
67 55.4 42.3 63.5





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087440.D

Acq: 30 Jul 2025 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBL01

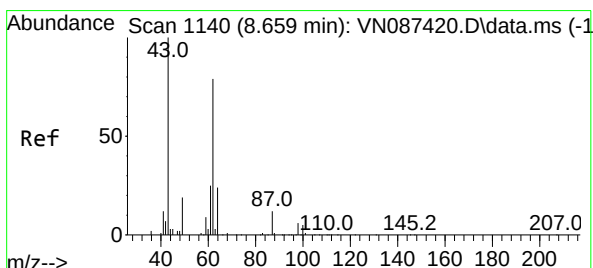
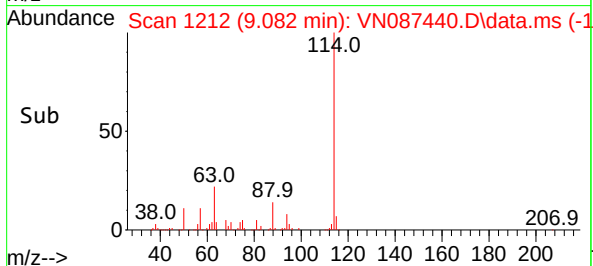
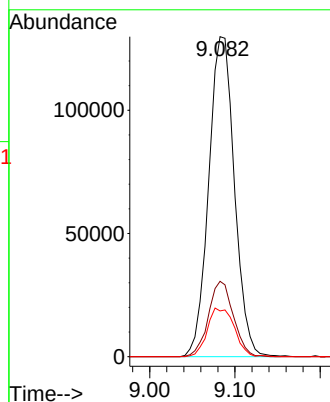
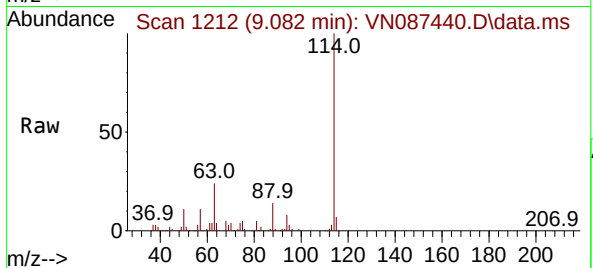
Tgt Ion:114 Resp: 272258

Ion Ratio Lower Upper

114 100

63 22.8 17.8 26.6

88 15.8 13.0 19.4



#36

1,2-Dichloroethane

Concen: 2.620 ug/l

RT: 9.088 min Scan# 1213

Delta R.T. 0.429 min

Lab File: VN087440.D

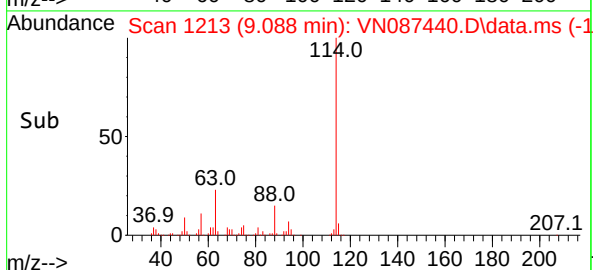
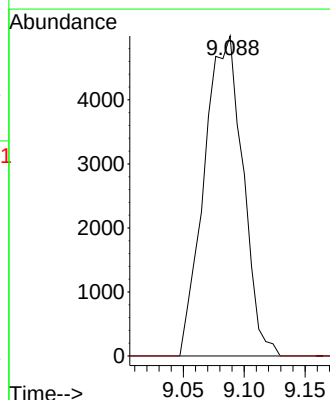
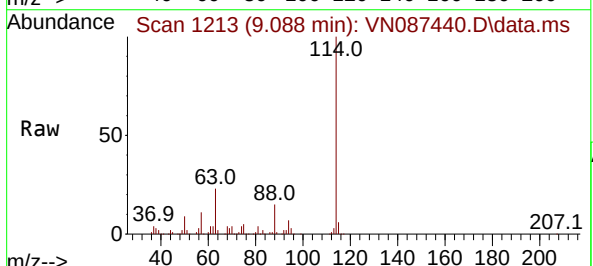
Acq: 30 Jul 2025 11:20

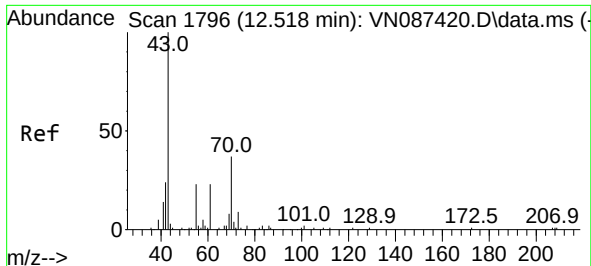
Tgt Ion: 62 Resp: 11023

Ion Ratio Lower Upper

62 100

98 0.0 0.2 0.2#

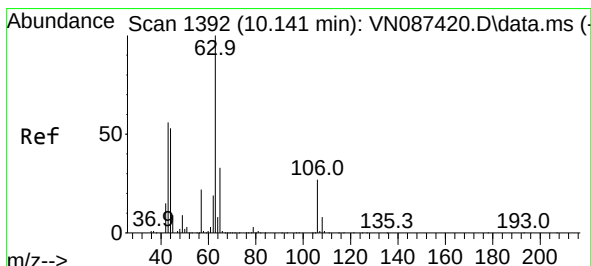
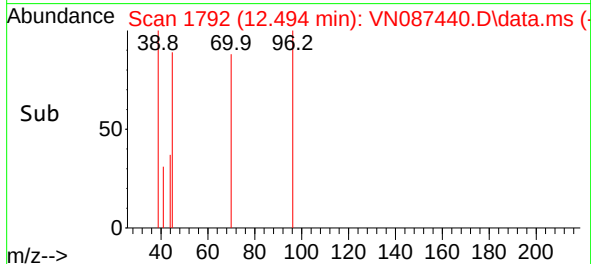
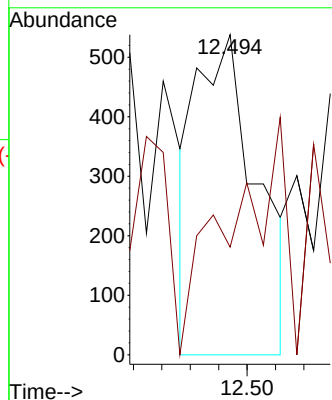
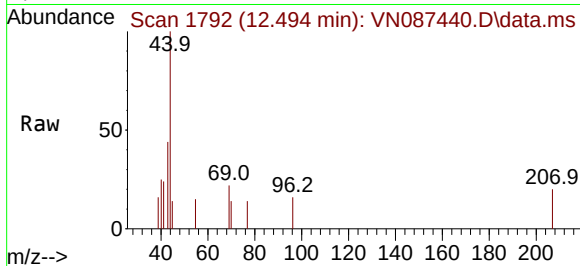




#47
n-amy1 Acetate
Concen: 0.213 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.024 min
Lab File: VN087440.D
Acq: 30 Jul 2025 11:20

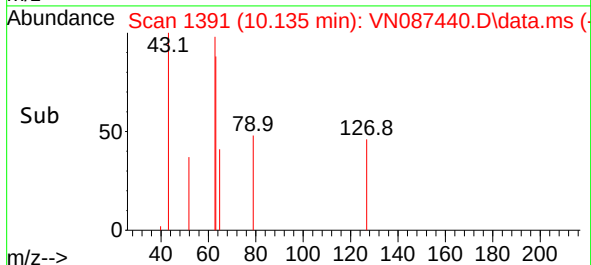
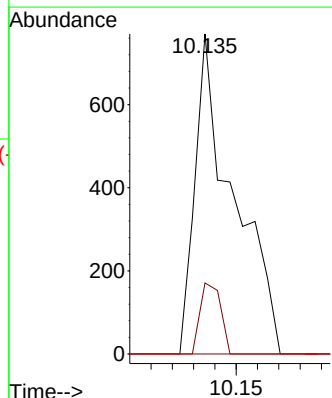
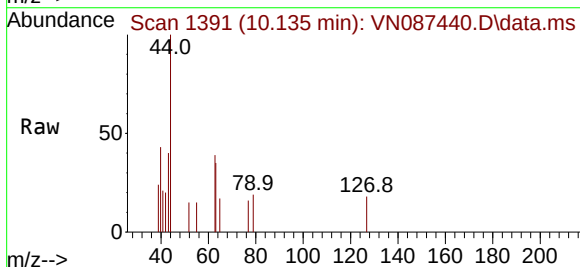
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBL01

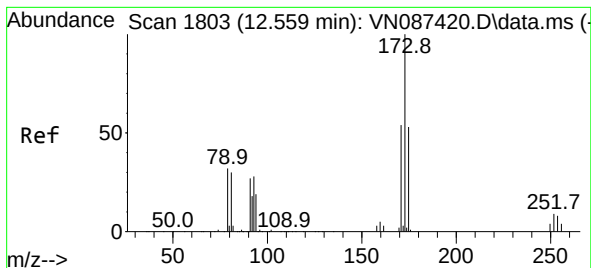
Tgt Ion: 43 Resp: 804
Ion Ratio Lower Upper
43 100
55 20.8 15.0 22.6



#55
2-Chloroethyl vinyl ether
Concen: 0.431 ug/l
RT: 10.135 min Scan# 1391
Delta R.T. -0.006 min
Lab File: VN087440.D
Acq: 30 Jul 2025 11:20

Tgt Ion: 63 Resp: 965
Ion Ratio Lower Upper
63 100
65 11.8 26.2 39.2#
106 0.0 21.3 31.9#





#56

Bromoform

Concen: 0.232 ug/l

RT: 12.823 min Scan# 1848

Delta R.T. 0.265 min

Lab File: VN087440.D

Acq: 30 Jul 2025 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBL01

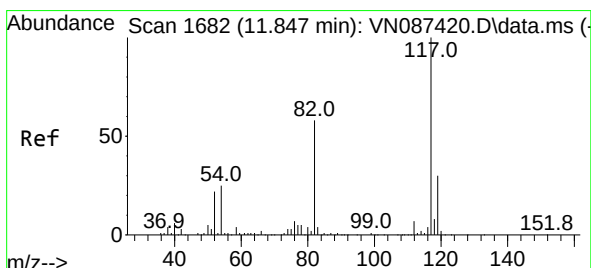
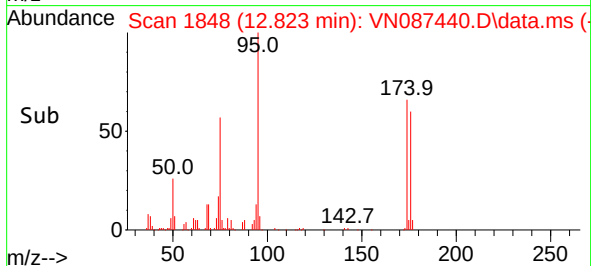
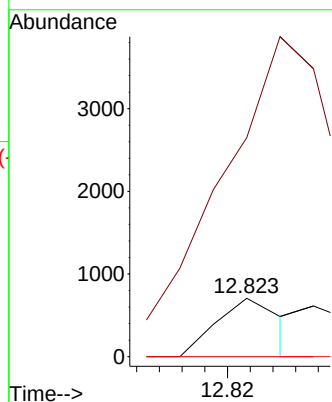
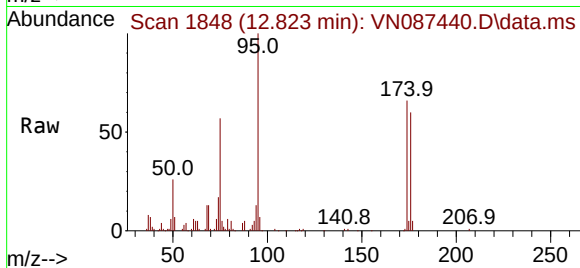
Tgt Ion:173 Resp: 560

Ion Ratio Lower Upper

173 100

175 1147.5 38.4 57.6#

254 0.0 6.4 9.6#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.847 min Scan# 1682

Delta R.T. 0.000 min

Lab File: VN087440.D

Acq: 30 Jul 2025 11:20

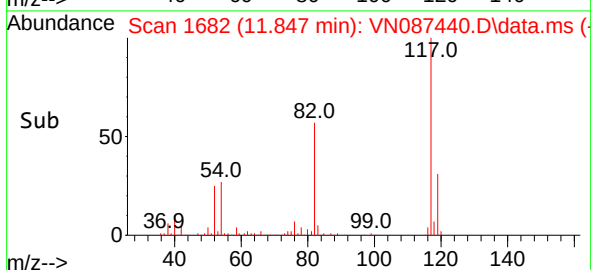
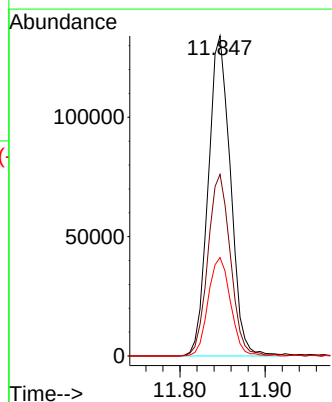
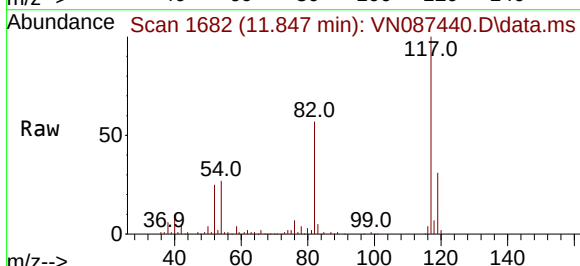
Tgt Ion:117 Resp: 243647

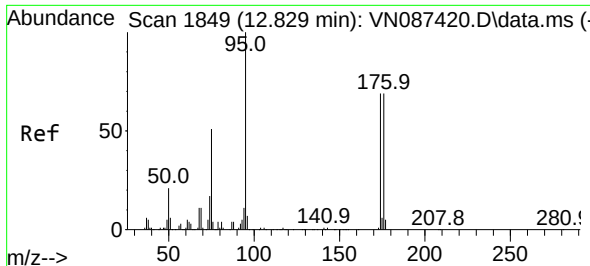
Ion Ratio Lower Upper

117 100

82 57.5 46.2 69.4

119 30.8 25.7 38.5

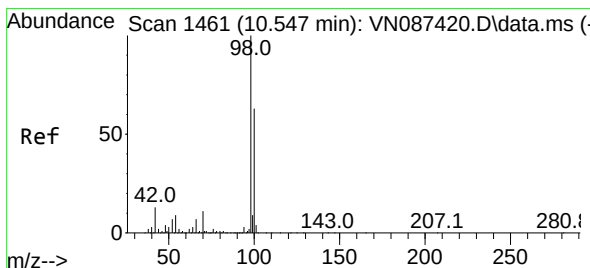
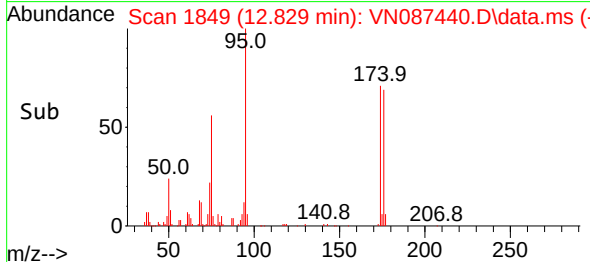
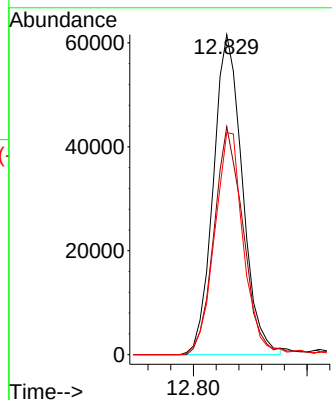
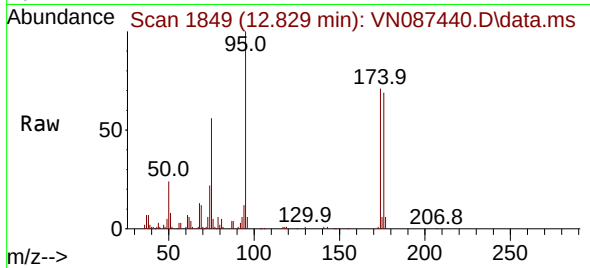




#60
4-Bromofluorobenzene
Concen: 27.307 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087440.D
Acq: 30 Jul 2025 11:20

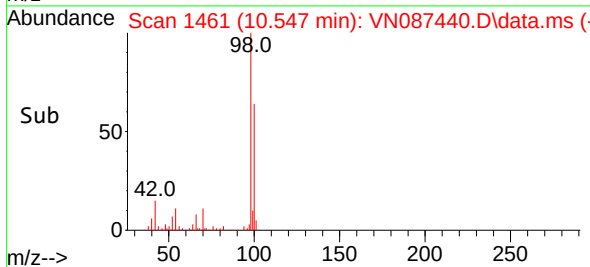
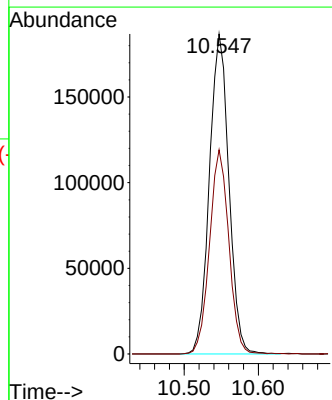
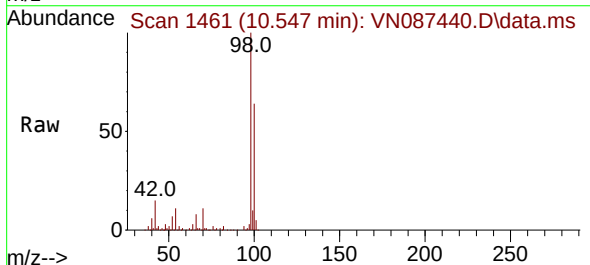
Instrument :
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ClientSampleId :
VN0730WBL01

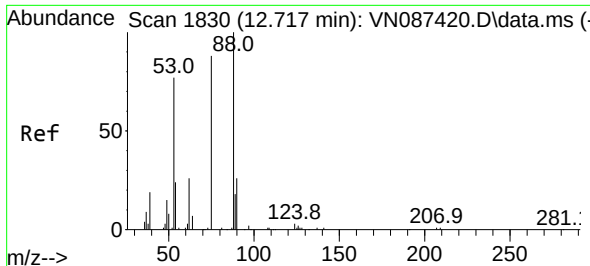
Tgt Ion: 95 Resp: 109256
Ion Ratio Lower Upper
95 100
174 71.5 57.8 86.8
176 69.2 54.9 82.3



#63
Toluene-d8
Concen: 30.433 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087440.D
Acq: 30 Jul 2025 11:20

Tgt Ion: 98 Resp: 340527
Ion Ratio Lower Upper
98 100
100 63.2 50.7 76.1

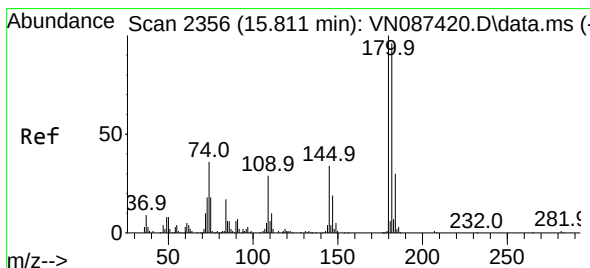
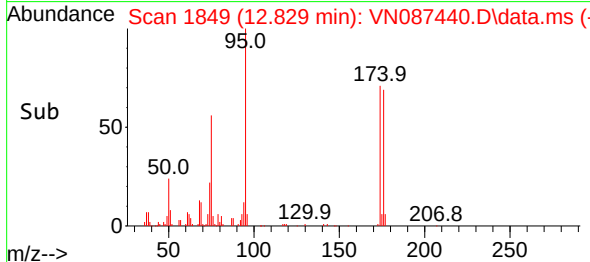
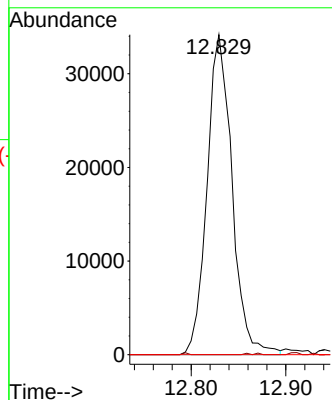
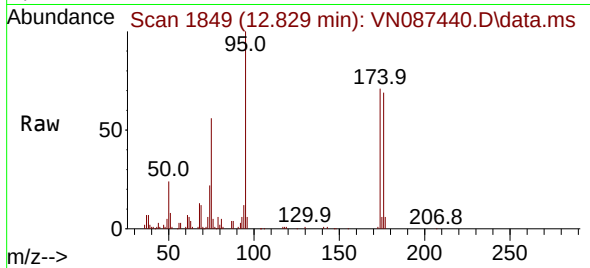




#77
t-1,4-Dichloro-2-butene
Concen: 33.645 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087440.D
Acq: 30 Jul 2025 11:20

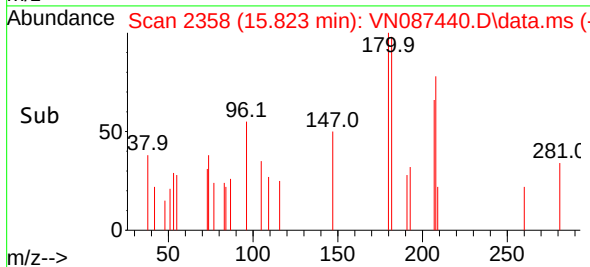
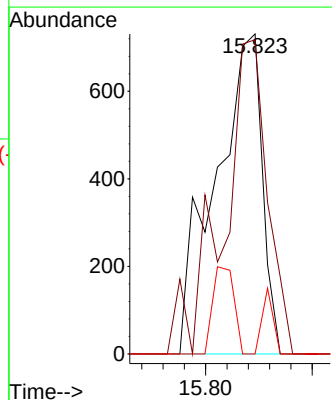
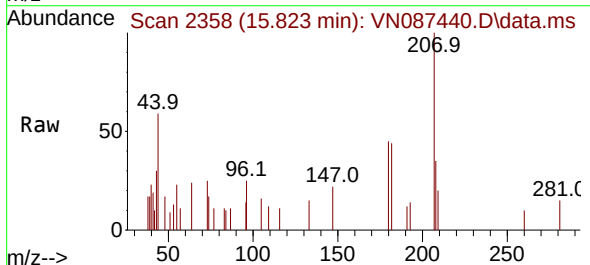
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBL01

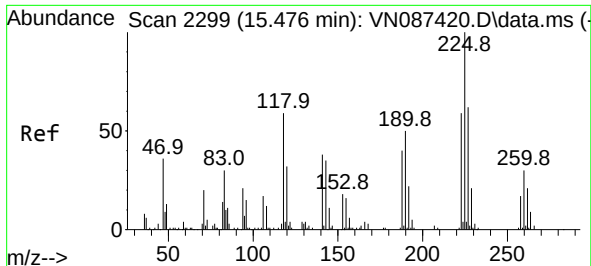
Tgt Ion: 75 Resp: 62643
Ion Ratio Lower Upper
75 100
53 0.0 44.3 132.8#
89 0.0 22.4 67.3#



#89
1,2,4-Trichlorobenzene
Concen: 0.302 ug/l
RT: 15.823 min Scan# 2358
Delta R.T. 0.012 min
Lab File: VN087440.D
Acq: 30 Jul 2025 11:20

Tgt Ion:180 Resp: 1114
Ion Ratio Lower Upper
180 100
182 70.5 74.7 112.1#
145 0.0 27.4 41.2#

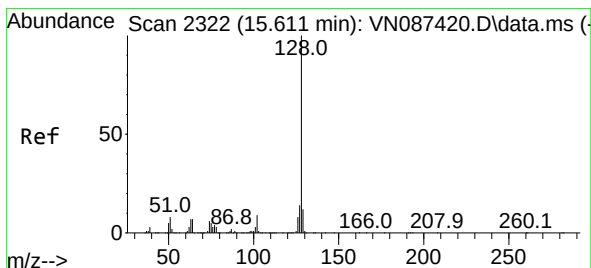
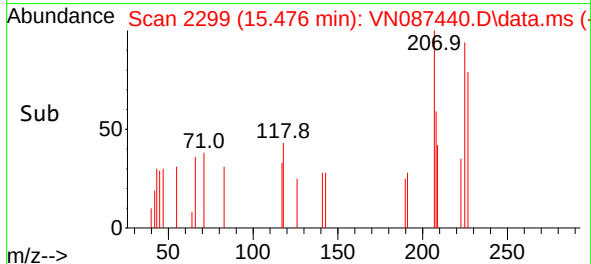
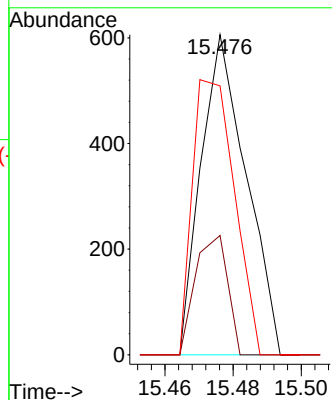
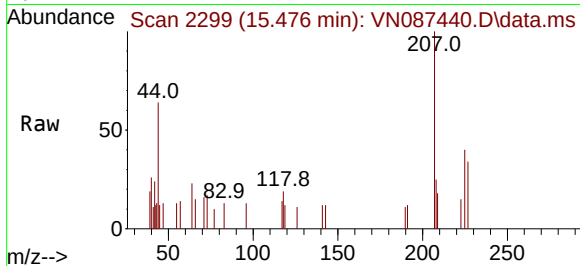




#90
Hexachlorobutadiene
Concen: 0.397 ug/l
RT: 15.476 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN087440.D
Acq: 30 Jul 2025 11:20

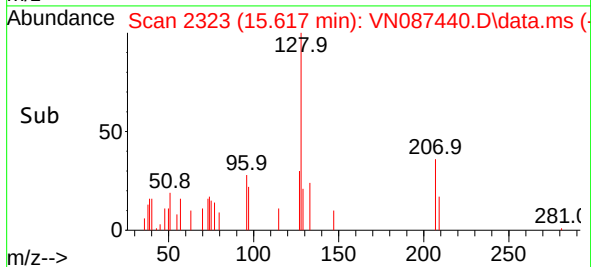
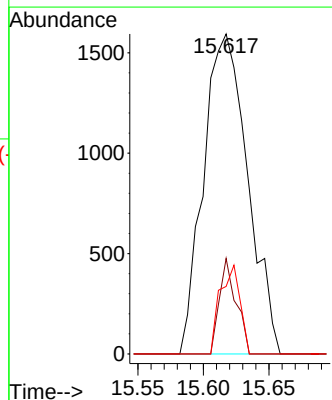
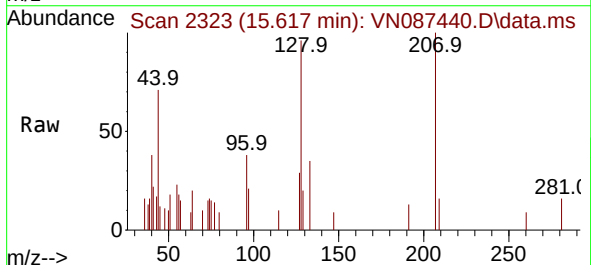
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBL01

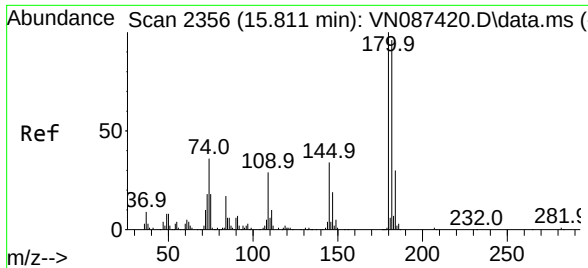
Tgt Ion	Ratio	Lower	Upper
225	100		
223	26.6	0.0	125.4
227	80.3	0.0	125.0



#91
Naphthalene
Concen: 0.268 ug/l
RT: 15.617 min Scan# 2323
Delta R.T. 0.006 min
Lab File: VN087440.D
Acq: 30 Jul 2025 11:20

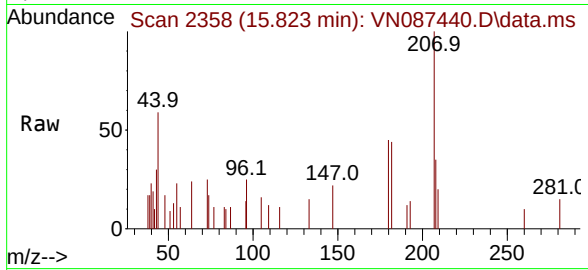
Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.7	16.1
129	12.4	9.1	13.7





#92
1,2,3-Trichlorobenzene
Concen: 0.302 ug/l
RT: 15.823 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN087440.D
Acq: 30 Jul 2025 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBL01



Tgt Ion:	180	Resp:	1114
Ion	Ratio	Lower	Upper
180	100		
182	70.5	0.0	186.8
145	0.0	0.0	68.6

