

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090925\
 Data File : VN087767.D
 Acq On : 09 Sep 2025 11:03
 Operator : JC\MD
 Sample : VN0909WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBL01

Quant Time: Sep 10 02:29:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 05 03:29:53 2025
 Response via : Initial Calibration

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

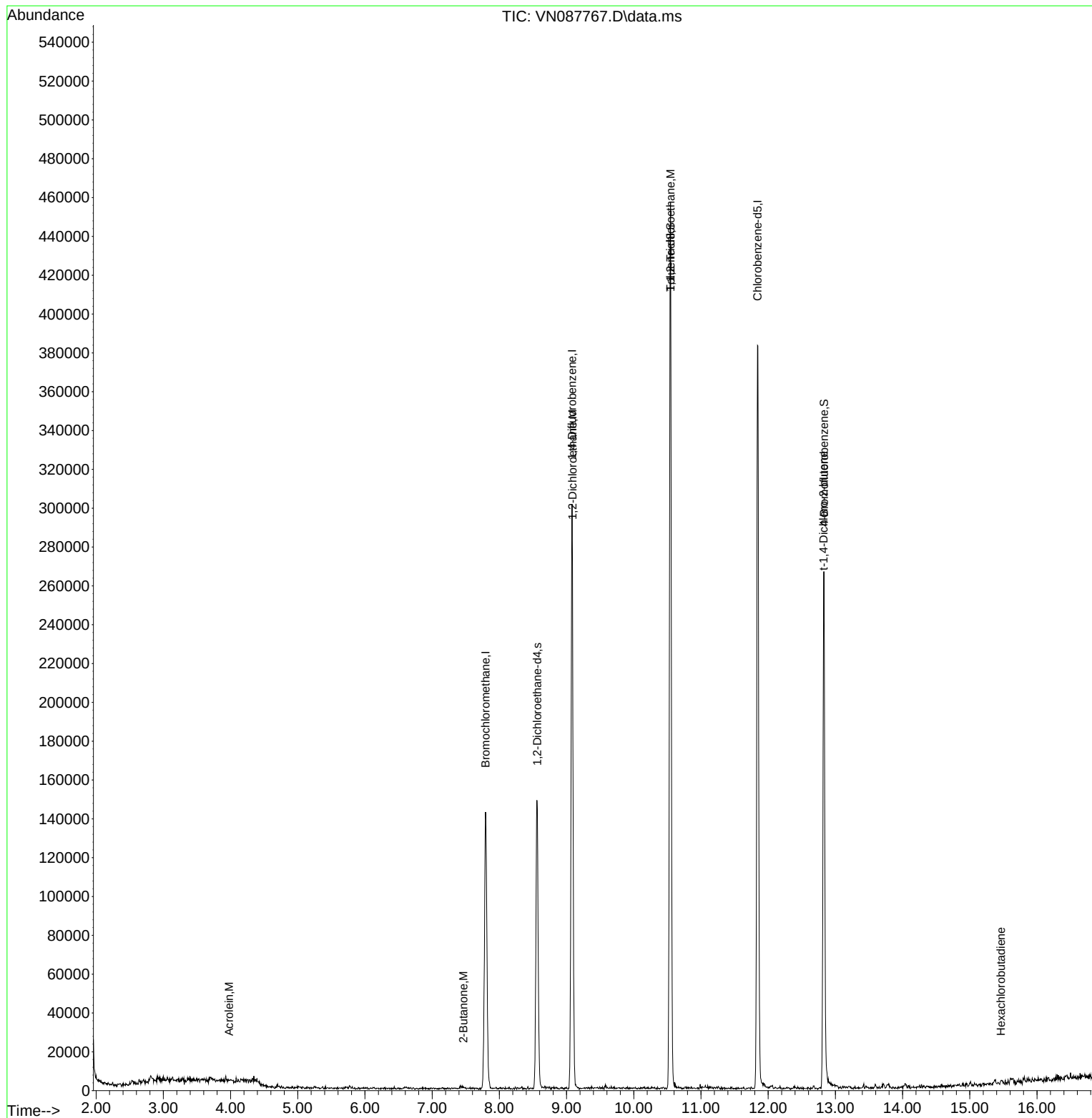
Internal Standards						
1) Bromochloromethane	7.794	128	46637	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	244324	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	216356	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	122353	30.712	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 102.367%	
60) 4-Bromofluorobenzene	12.829	95	93084	26.757	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 89.200%	
63) Toluene-d8	10.547	98	308897	30.700	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.333%	
Target Compounds						
					Qvalue	
13) Acrolein	3.977	56	256	0.331	ug/l	90
30) 2-Butanone	7.465	43	554	0.203	ug/l #	55
36) 1,2-Dichloroethane	9.088	62	9763	2.014	ug/l #	75
50) 1,1,2-Trichloroethane	10.547	97	11442	3.622	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.823	75	54544	35.532	ug/l #	14
90) Hexachlorobutadiene	15.464	225	346	0.317	ug/l	80

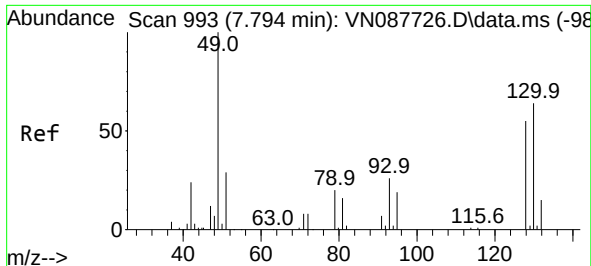
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

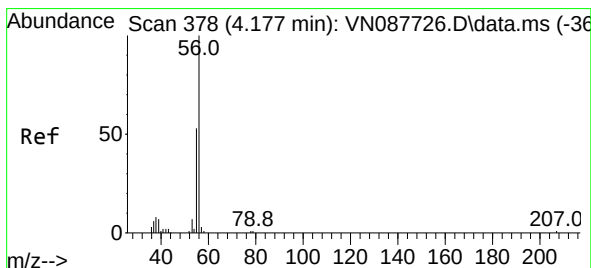
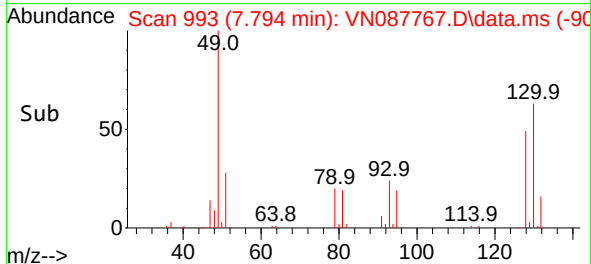
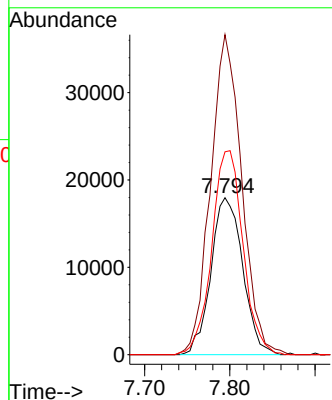
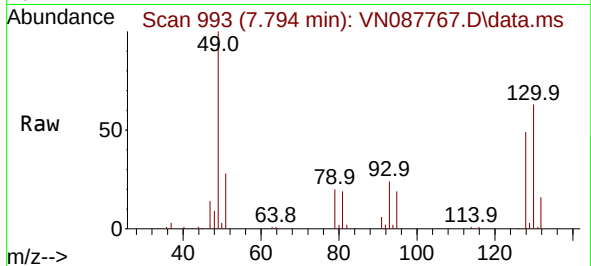




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN087767.D
Acq: 09 Sep 2025 11:03

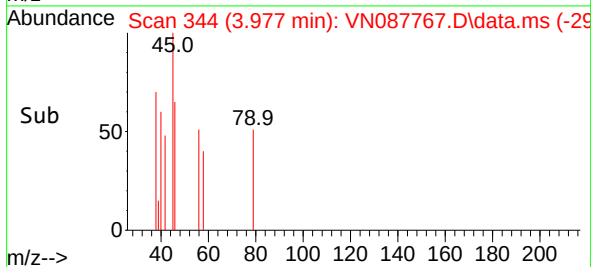
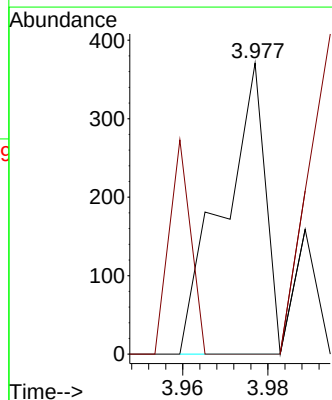
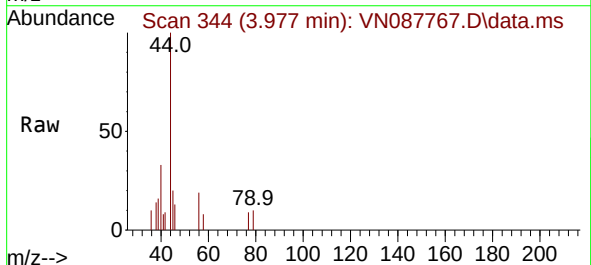
Instrument :
MSVOA_N
ClientSampleId :
VN0909WBL01

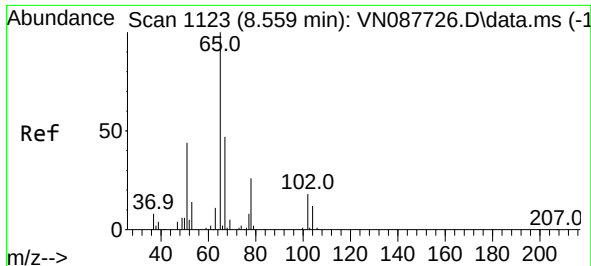
Tgt Ion:128 Resp: 46637
Ion Ratio Lower Upper
128 100
49 199.2 0.0 464.3
130 127.7 0.0 300.5



#13
Acrolein
Concen: 0.331 ug/l
RT: 3.977 min Scan# 344
Delta R.T. -0.200 min
Lab File: VN087767.D
Acq: 09 Sep 2025 11:03

Tgt Ion: 56 Resp: 256
Ion Ratio Lower Upper
56 100
55 29.7 28.6 42.8





#27

1,2-Dichloroethane-d4

Concen: 30.712 ug/l

RT: 8.565 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN087767.D

Acq: 09 Sep 2025 11:03

Instrument :

MSVOA_N

ClientSampleId :

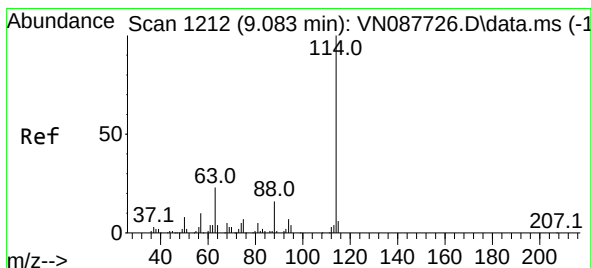
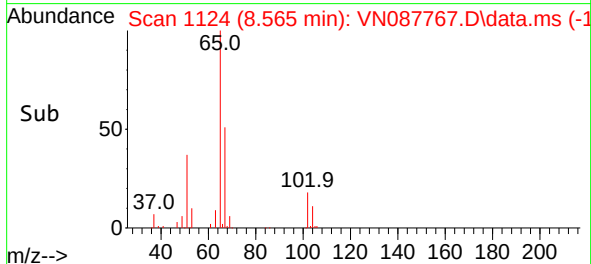
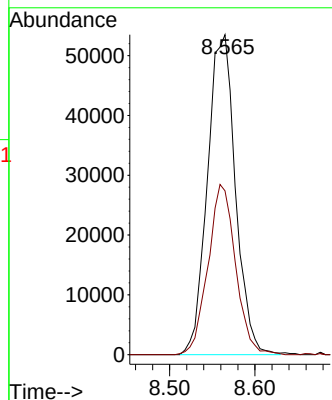
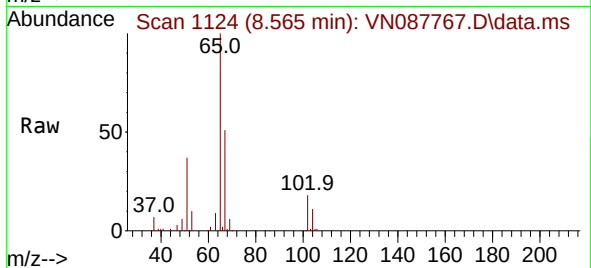
VN0909WBL01

Tgt Ion: 65 Resp: 122353

Ion Ratio Lower Upper

65 100

67 52.3 39.6 59.4



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087767.D

Acq: 09 Sep 2025 11:03

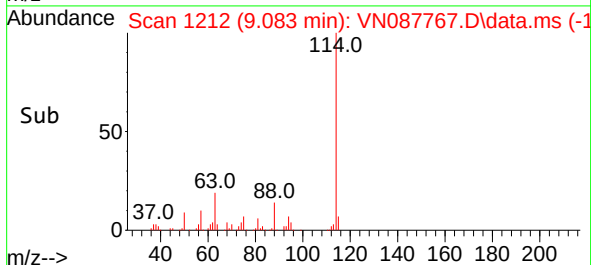
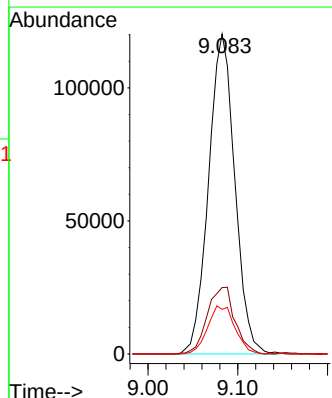
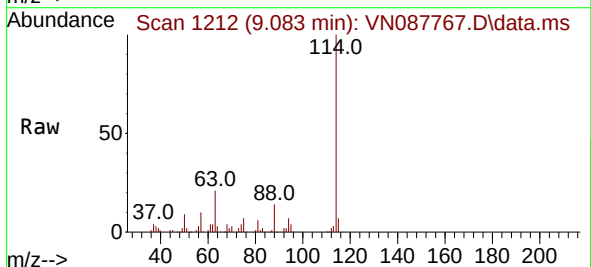
Tgt Ion: 114 Resp: 244324

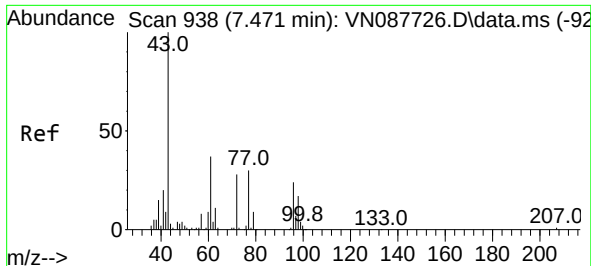
Ion Ratio Lower Upper

114 100

63 22.0 18.3 27.5

88 15.6 12.4 18.6

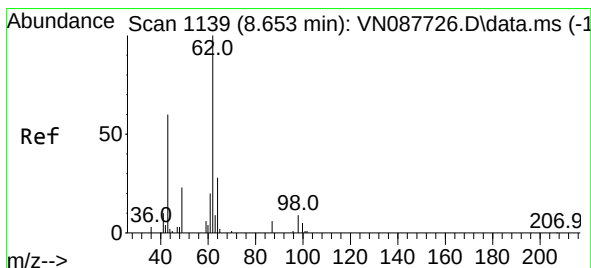
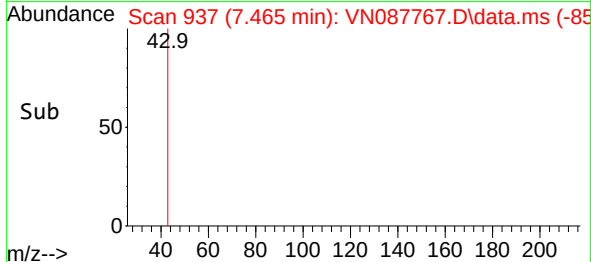
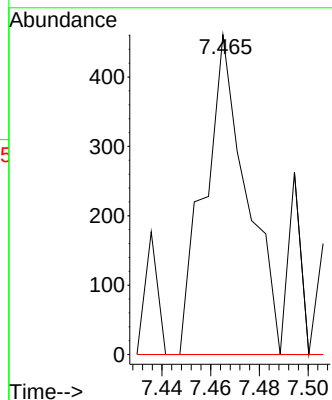
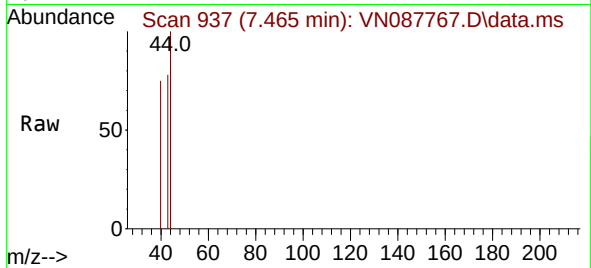




#30
2-Butanone
Concen: 0.203 ug/l
RT: 7.465 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN087767.D
Acq: 09 Sep 2025 11:03

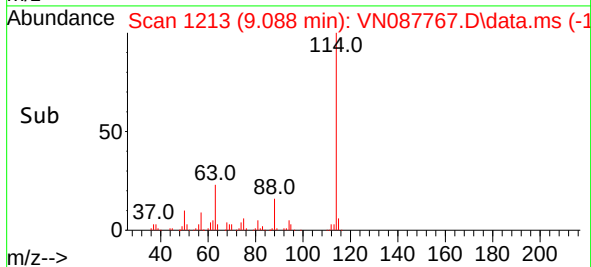
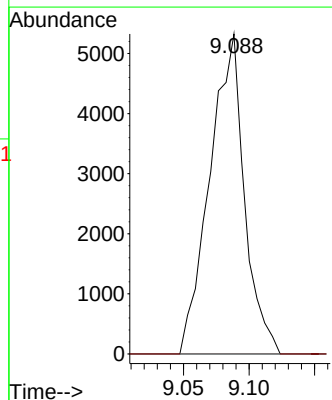
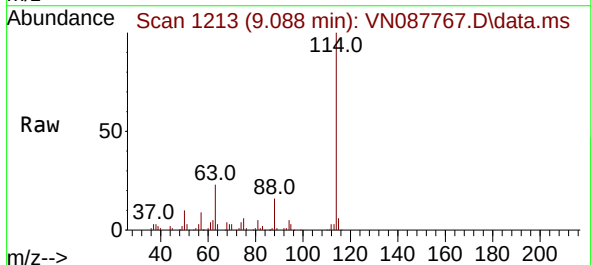
Instrument :
MSVOA_N
ClientSampleId :
VN0909WBL01

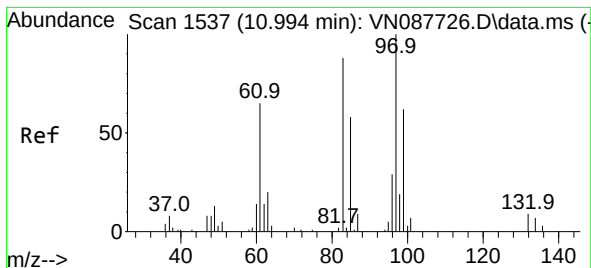
Tgt Ion: 43 Resp: 554
Ion Ratio Lower Upper
43 100
57 0.0 6.3 9.5#
72 0.0 21.4 32.2#



#36
1,2-Dichloroethane
Concen: 2.014 ug/l
RT: 9.088 min Scan# 1213
Delta R.T. 0.435 min
Lab File: VN087767.D
Acq: 09 Sep 2025 11:03

Tgt Ion: 62 Resp: 9763
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#

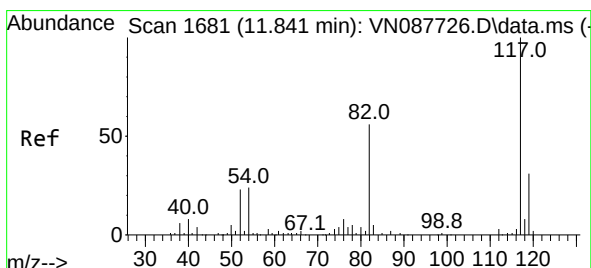
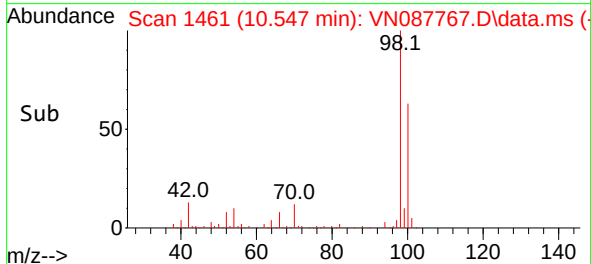
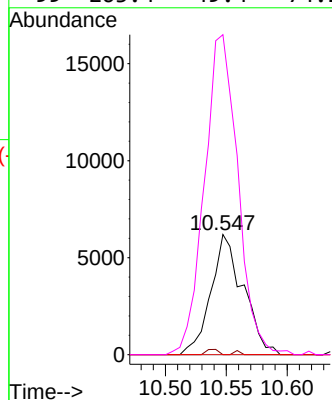
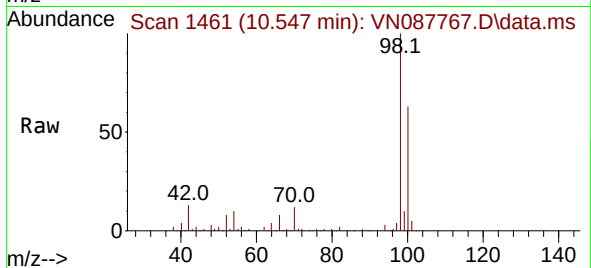




#50
1,1,2-Trichloroethane
Concen: 3.622 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.447 min
Lab File: VN087767.D
Acq: 09 Sep 2025 11:03

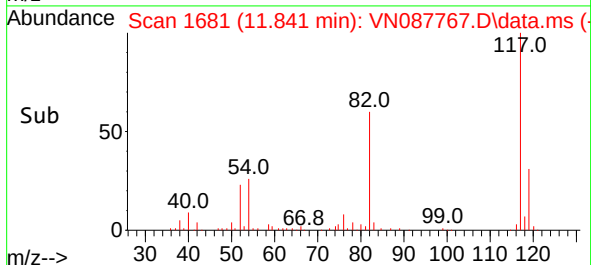
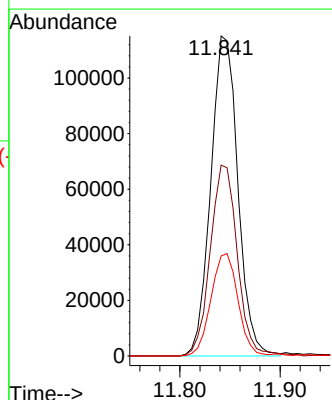
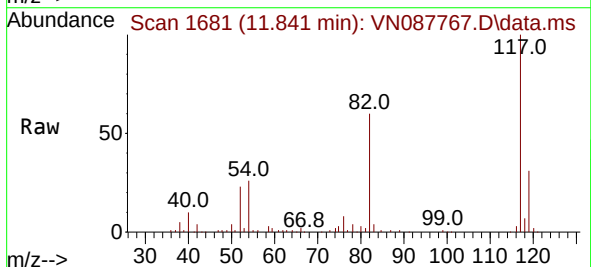
Instrument :
MSVOA_N
ClientSampleId :
VN0909WBL01

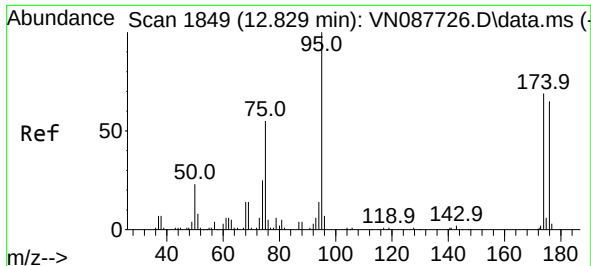
Tgt Ion: 97 Resp: 11442
Ion Ratio Lower Upper
97 100
83 0.0 70.5 105.7#
85 0.0 46.3 69.5#
99 263.4 49.4 74.2#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN087767.D
Acq: 09 Sep 2025 11:03

Tgt Ion: 117 Resp: 216356
Ion Ratio Lower Upper
117 100
82 59.7 45.9 68.9
119 31.8 25.3 37.9

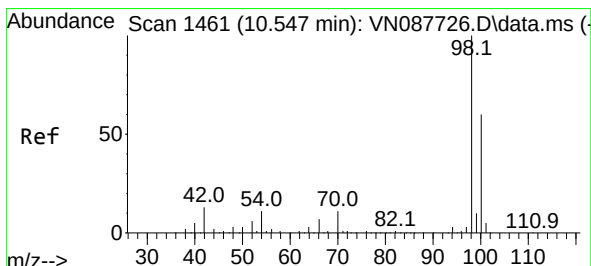
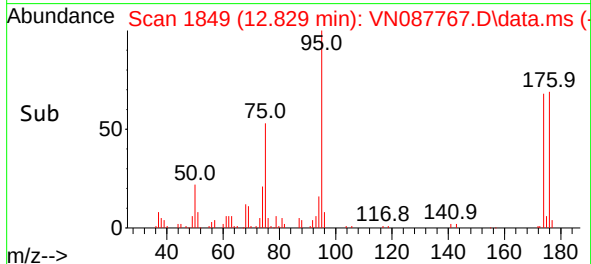
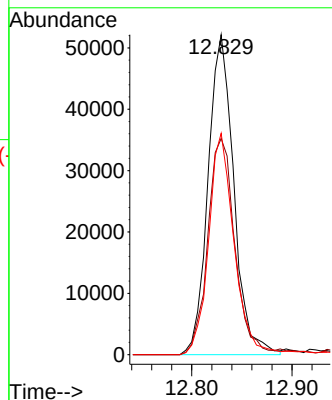
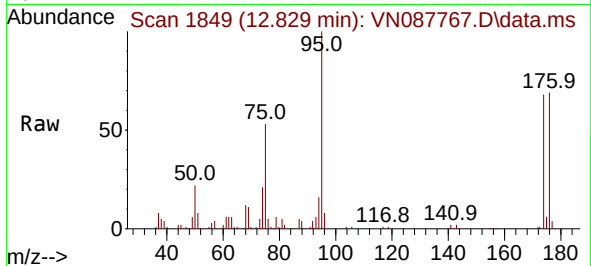




#60
4-Bromofluorobenzene
Concen: 26.757 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087767.D
Acq: 09 Sep 2025 11:03

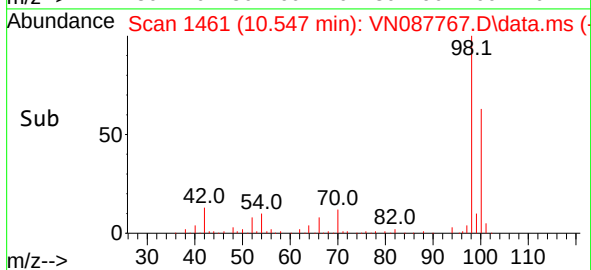
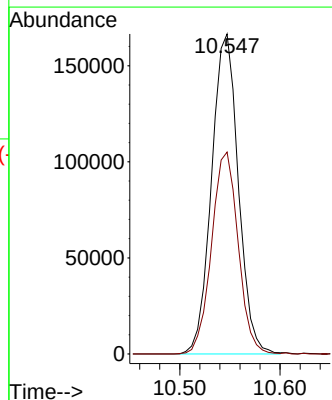
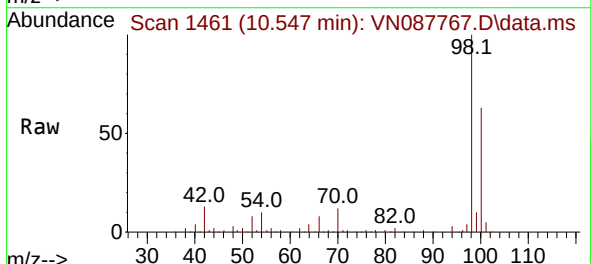
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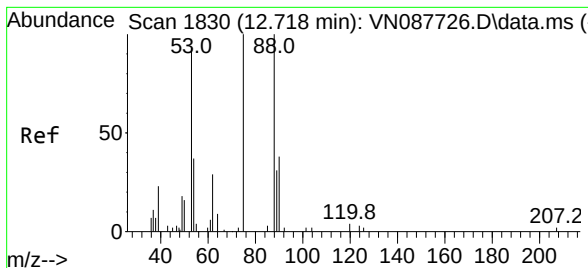
Tgt Ion: 95 Resp: 93084
Ion Ratio Lower Upper
95 100
174 71.0 55.4 83.0
176 68.0 51.5 77.3



#63
Toluene-d8
Concen: 30.700 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087767.D
Acq: 09 Sep 2025 11:03

Tgt Ion: 98 Resp: 308897
Ion Ratio Lower Upper
98 100
100 62.6 50.6 76.0

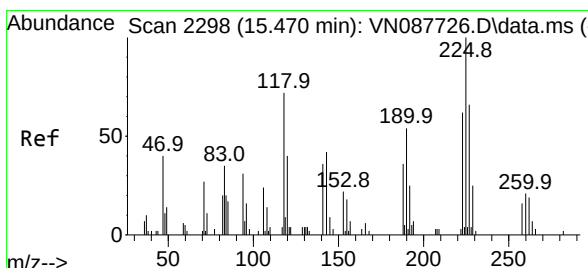
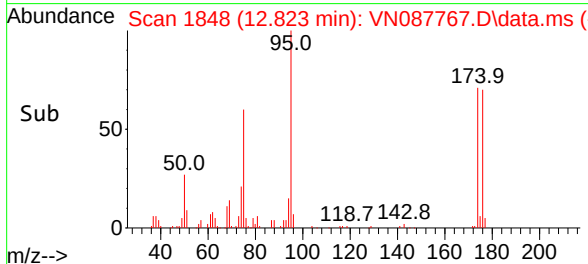
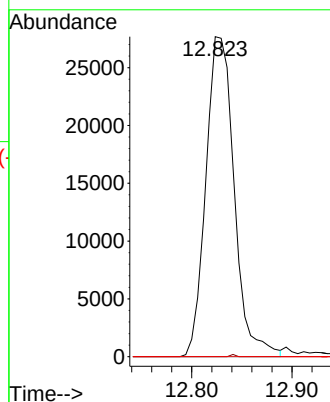
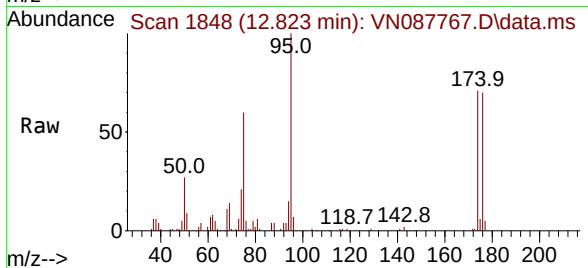




#77
t-1,4-Dichloro-2-butene
Concen: 35.532 ug/l
RT: 12.823 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN087767.D
Acq: 09 Sep 2025 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBL01

Tgt Ion: 75 Resp: 54544
Ion Ratio Lower Upper
75 100
53 0.0 45.3 135.9#
89 0.0 18.8 56.3#



#90
Hexachlorobutadiene
Concen: 0.317 ug/l
RT: 15.464 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VN087767.D
Acq: 09 Sep 2025 11:03

Tgt Ion: 225 Resp: 346
Ion Ratio Lower Upper
225 100
223 85.8 0.0 118.2
227 74.3 0.0 139.0

