

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100925\
 Data File : VN088051.D
 Acq On : 09 Oct 2025 10:45
 Operator : JC\MD
 Sample : VN1009WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBL01

Quant Time: Oct 10 00:49:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 09 02:36:32 2025
 Response via : Initial Calibration

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

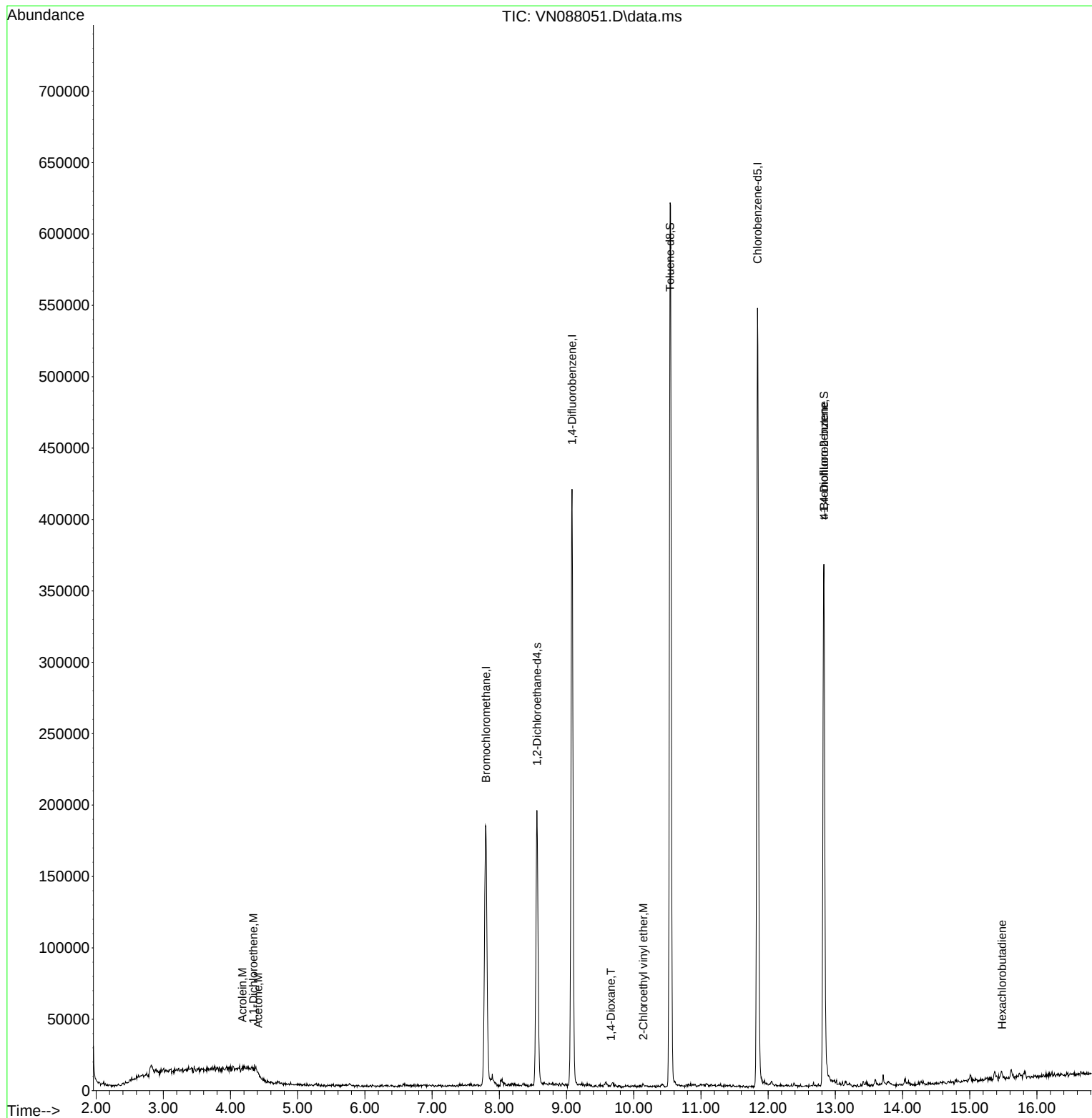
Internal Standards						
1) Bromochloromethane	7.800	128	64199	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	363026	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	315147	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	153504	30.706	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 102.367%	
60) 4-Bromofluorobenzene	12.829	95	147402	28.372	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 94.567%	
63) Toluene-d8	10.541	98	431228	30.712	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.367%	
Target Compounds						
					Qvalue	
10) 1,1-Dichloroethene	4.342	96	679	0.201	ug/l #	51
13) Acrolein	4.177	56	624	0.735	ug/l #	37
15) Acetone	4.412	58	220	0.284	ug/l #	1
45) 1,4-Dioxane	9.659	88	95	1.185	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.141	63	786	0.206	ug/l #	60
77) t-1,4-Dichloro-2-butene	12.829	75	79358	34.592	ug/l #	17
90) Hexachlorobutadiene	15.482	225	1108	0.646	ug/l	76

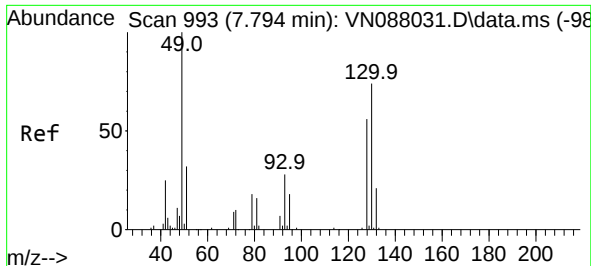
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

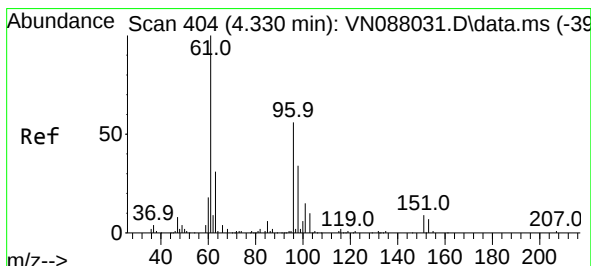
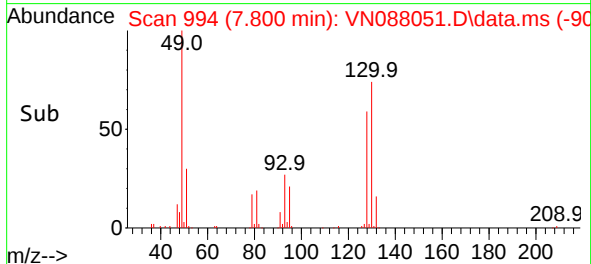
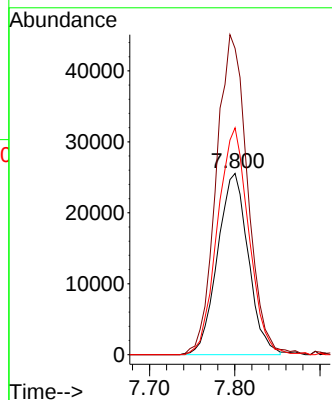
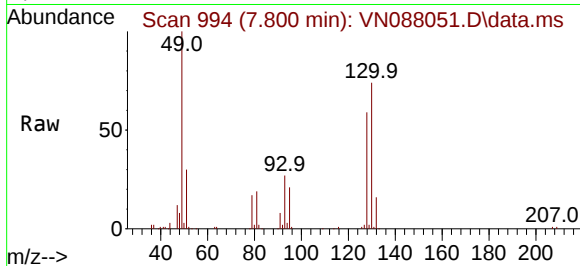




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 993
Delta R.T. 0.006 min
Lab File: VN088051.D
Acq: 09 Oct 2025 10:45

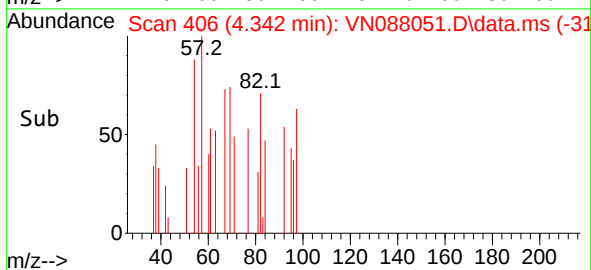
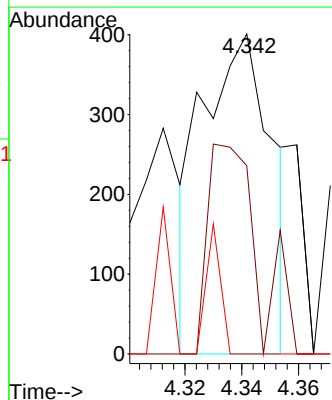
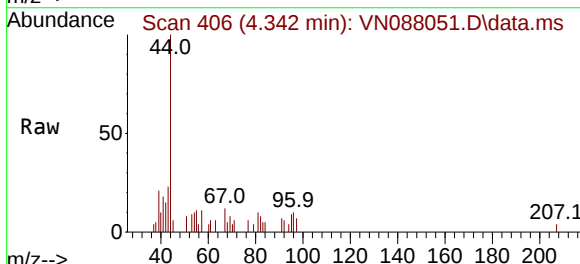
Instrument :
MSVOA_N
ClientSampleId :
VN1009WBL01

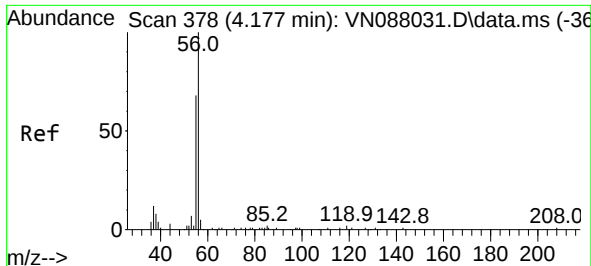
Tgt Ion:128 Resp: 64199
Ion Ratio Lower Upper
128 100
49 179.6 0.0 439.8
130 127.6 0.0 325.8



#10
1,1-Dichloroethene
Concen: 0.201 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.012 min
Lab File: VN088051.D
Acq: 09 Oct 2025 10:45

Tgt Ion: 96 Resp: 679
Ion Ratio Lower Upper
96 100
61 124.9 144.1 216.1#
98 0.0 49.0 73.6#

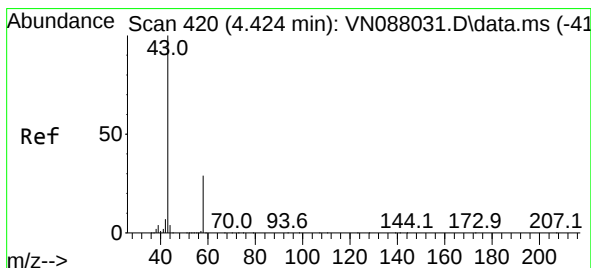
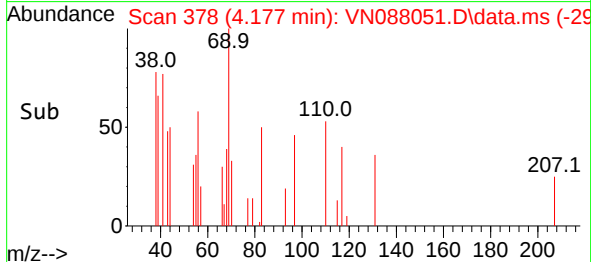
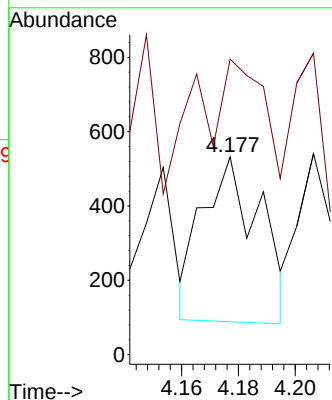
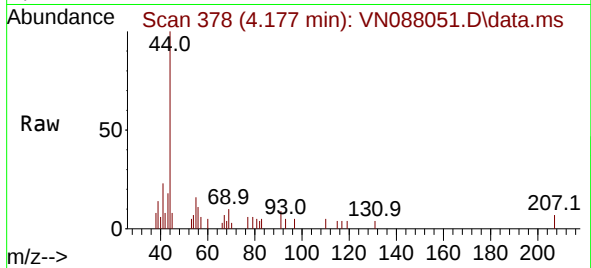




#13
Acrolein
Concen: 0.735 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN088051.D
Acq: 09 Oct 2025 10:45

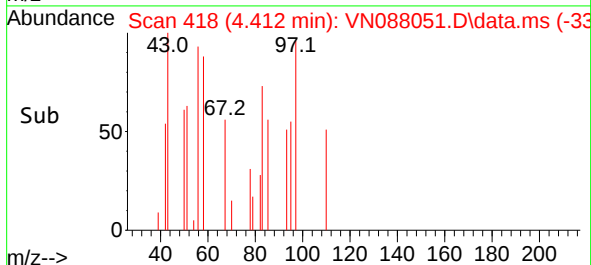
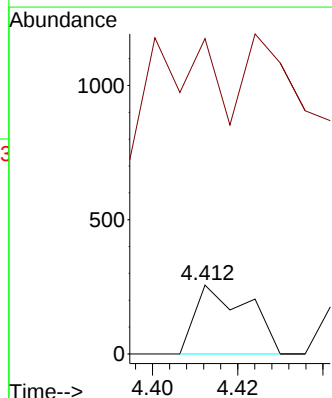
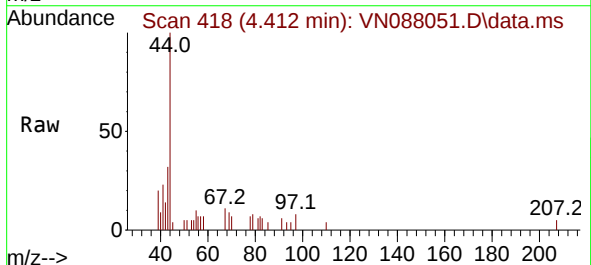
Instrument :
MSVOA_N
ClientSampleId :
VN1009WBL01

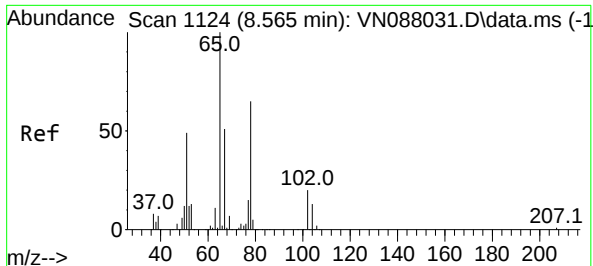
Tgt Ion: 56 Resp: 624
Ion Ratio Lower Upper
56 100
55 47.9 0.3 0.5#



#15
Acetone
Concen: 0.284 ug/l
RT: 4.412 min Scan# 418
Delta R.T. -0.012 min
Lab File: VN088051.D
Acq: 09 Oct 2025 10:45

Tgt Ion: 58 Resp: 220
Ion Ratio Lower Upper
58 100
43 78.5 282.6 424.0#





#27

1,2-Dichloroethane-d4

Concen: 30.706 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.006 min

Lab File: VN088051.D

Acq: 09 Oct 2025 10:45

Instrument :

MSVOA_N

ClientSampleId :

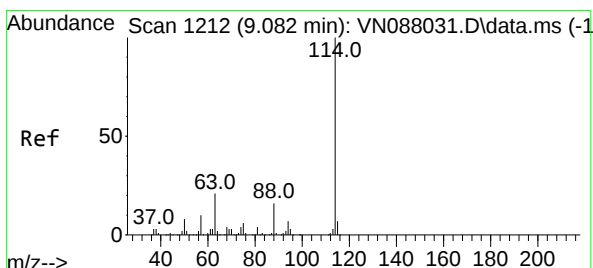
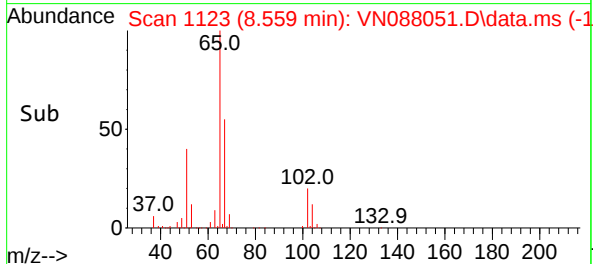
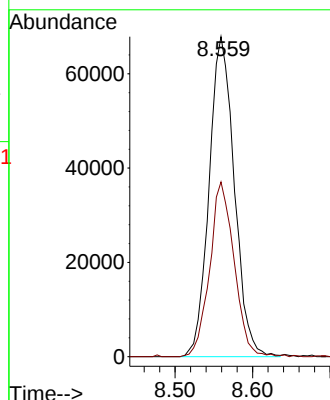
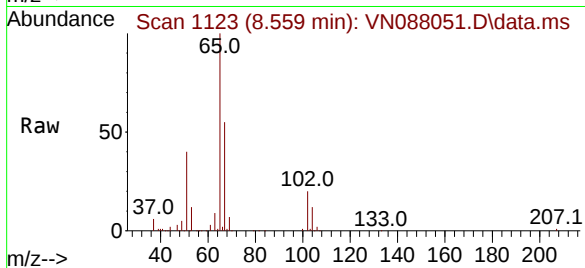
VN1009WBL01

Tgt Ion: 65 Resp: 153504

Ion Ratio Lower Upper

65 100

67 52.7 41.9 62.9



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088051.D

Acq: 09 Oct 2025 10:45

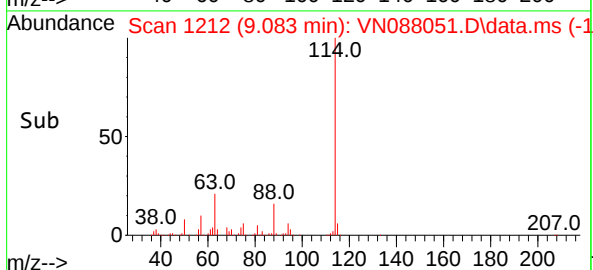
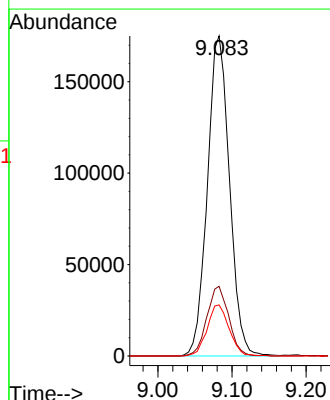
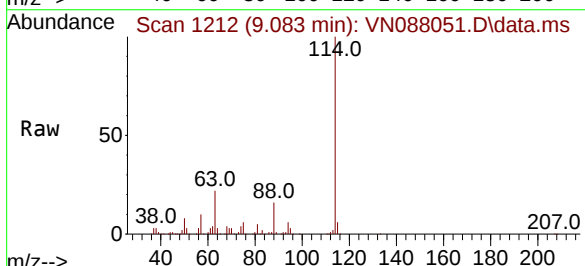
Tgt Ion: 114 Resp: 363026

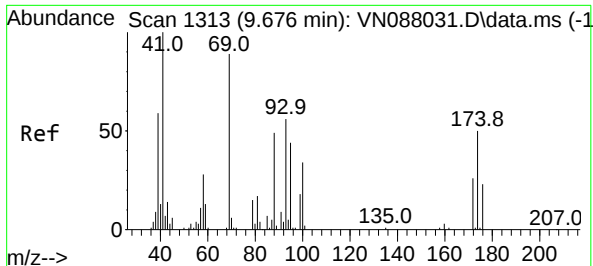
Ion Ratio Lower Upper

114 100

63 21.5 16.6 25.0

88 15.7 12.6 18.8





#45

1,4-Dioxane

Concen: 1.185 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.017 min

Lab File: VN088051.D

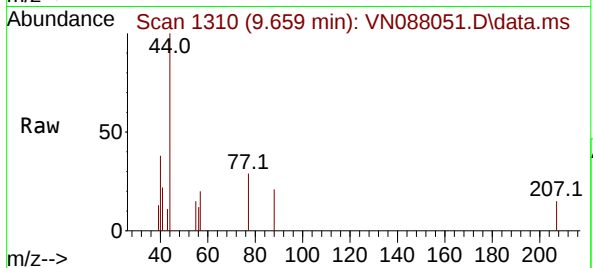
Acq: 09 Oct 2025 10:45

Instrument :

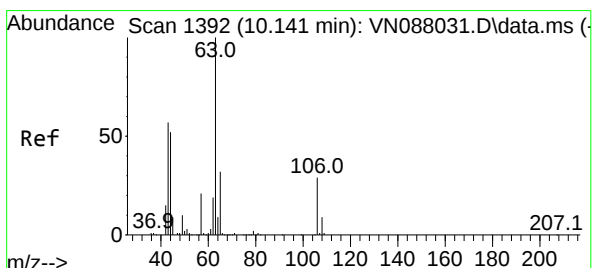
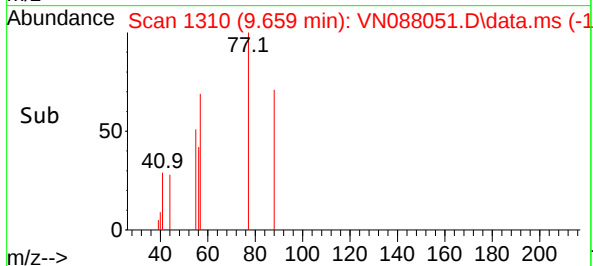
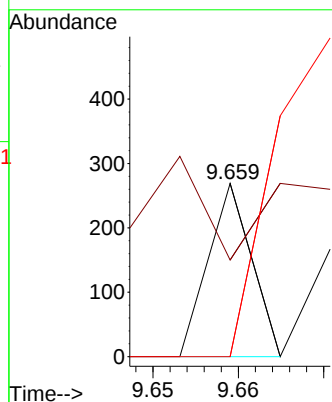
MSVOA_N

ClientSampleId :

VN1009WBL01



Tgt Ion:	88	Resp:	95
Ion	Ratio	Lower	Upper
88	100		
43	190.5	18.6	27.8#
58	562.1	57.4	86.2#



#55

2-Chloroethyl vinyl ether

Concen: 0.206 ug/l

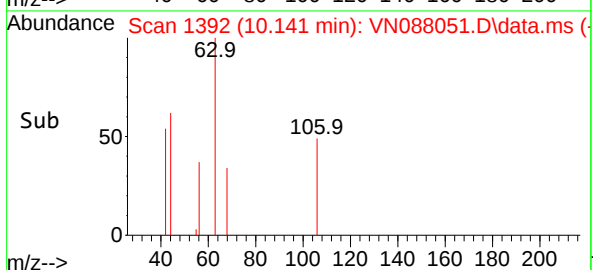
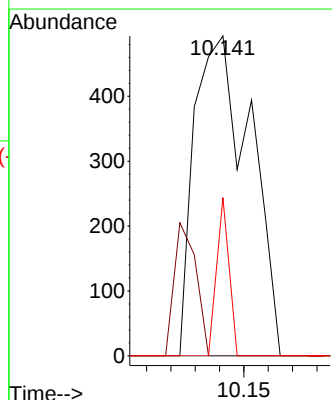
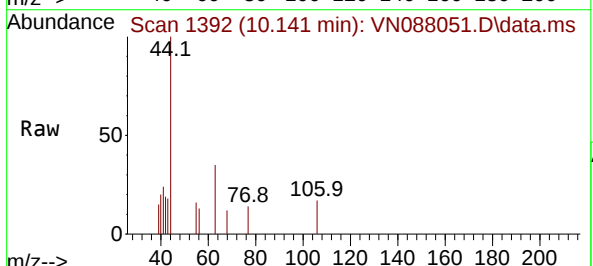
RT: 10.141 min Scan# 1392

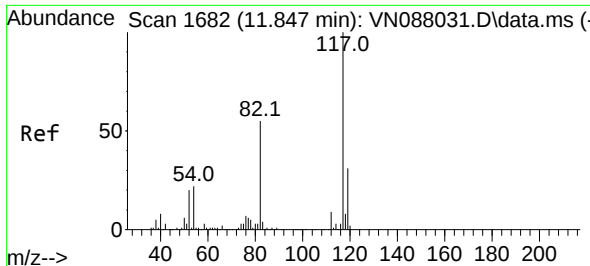
Delta R.T. 0.000 min

Lab File: VN088051.D

Acq: 09 Oct 2025 10:45

Tgt Ion:	63	Resp:	786
Ion	Ratio	Lower	Upper
63	100		
65	16.2	25.7	38.5#
106	0.0	22.6	34.0#

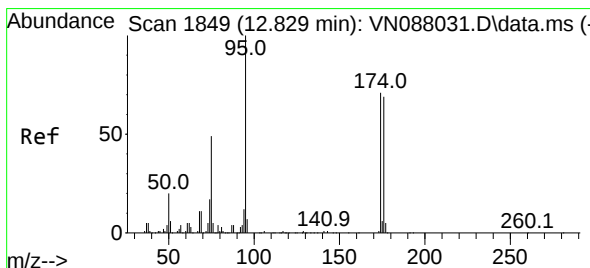
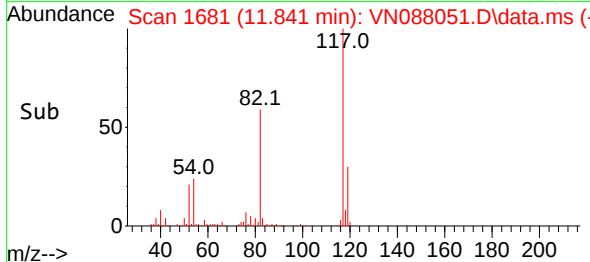
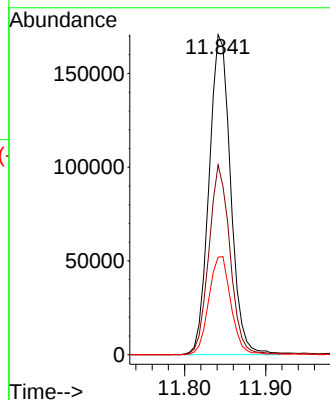
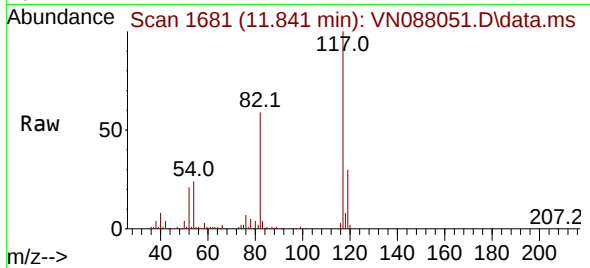




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.841 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VN088051.D
Acq: 09 Oct 2025 10:45

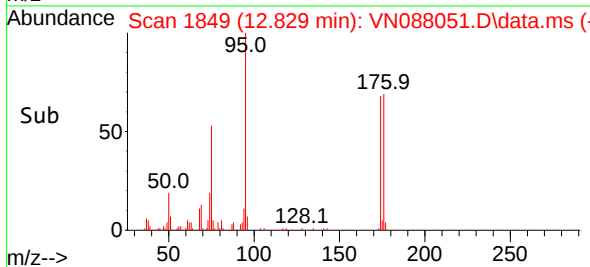
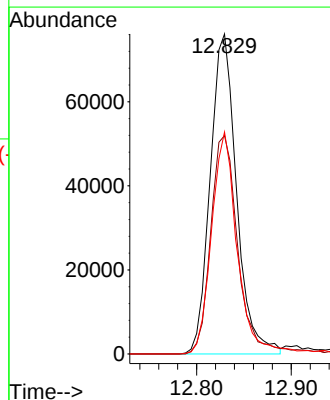
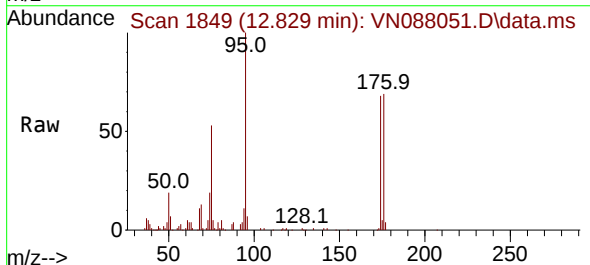
Instrument :
MSVOA_N
ClientSampleId :
VN1009WBL01

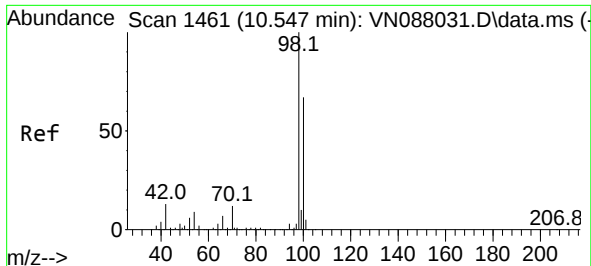
Tgt Ion:117 Resp: 315147
Ion Ratio Lower Upper
117 100
82 58.3 45.2 67.8
119 31.1 25.9 38.9



#60
4-Bromofluorobenzene
Concen: 28.372 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN088051.D
Acq: 09 Oct 2025 10:45

Tgt Ion: 95 Resp: 147402
Ion Ratio Lower Upper
95 100
174 69.8 57.4 86.0
176 67.4 57.0 85.4

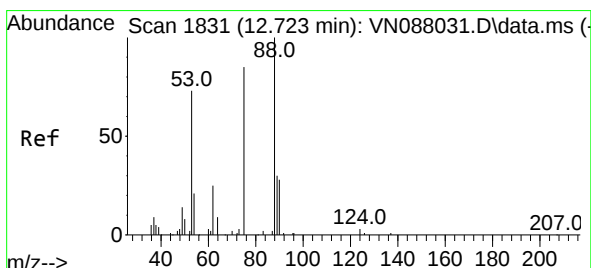
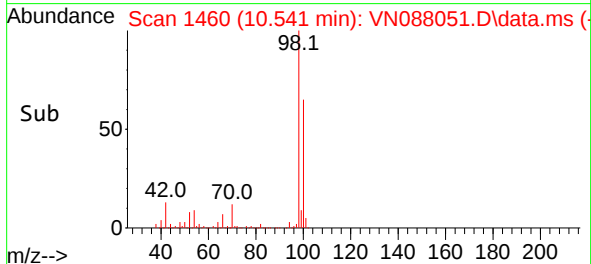
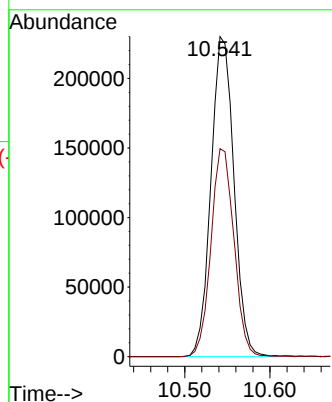
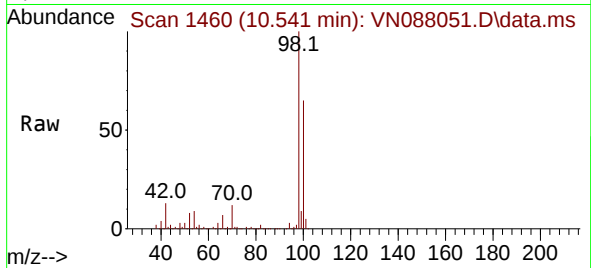




#63
Toluene-d8
Concen: 30.712 ug/l
RT: 10.541 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VN088051.D
Acq: 09 Oct 2025 10:45

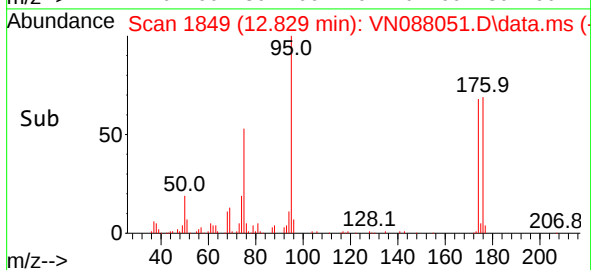
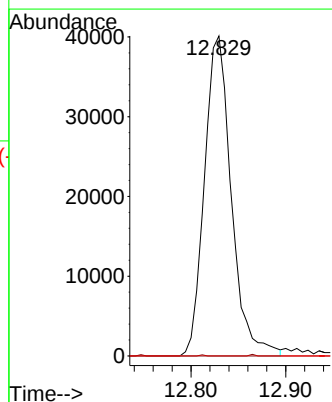
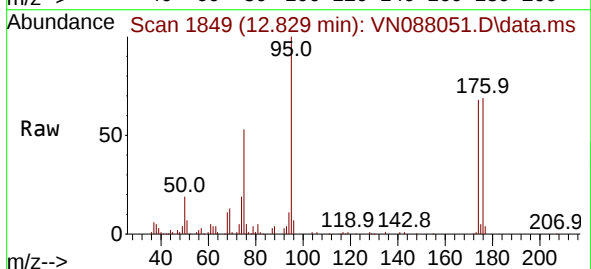
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VN1009WBL01

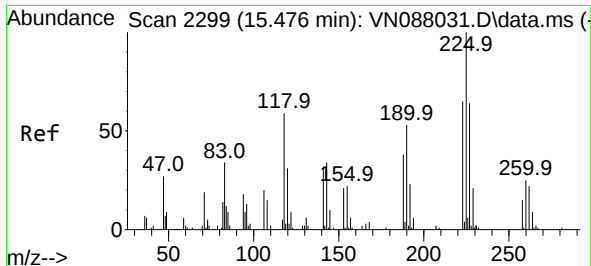
Tgt Ion: 98 Resp: 431228
Ion Ratio Lower Upper
98 100
100 65.0 53.1 79.7



#77
t-1,4-Dichloro-2-butene
Concen: 34.592 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.106 min
Lab File: VN088051.D
Acq: 09 Oct 2025 10:45

Tgt Ion: 75 Resp: 79358
Ion Ratio Lower Upper
75 100
53 0.0 41.8 125.3#
89 0.0 19.9 59.6#





#90
 Hexachlorobutadiene
 Concen: 0.646 ug/l
 RT: 15.482 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN088051.D
 Acq: 09 Oct 2025 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBL01

Tgt Ion:225 Resp: 1108
 Ion Ratio Lower Upper
 225 100
 223 73.8 0.0 129.6
 227 37.3 0.0 132.2

