

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112525\
 Data File : VN088356.D
 Acq On : 25 Nov 2025 12:31
 Operator : JC\MD
 Sample : VN1125WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1125WBL01

Quant Time: Nov 26 00:18:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:49:21 2025
 Response via : Initial Calibration

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

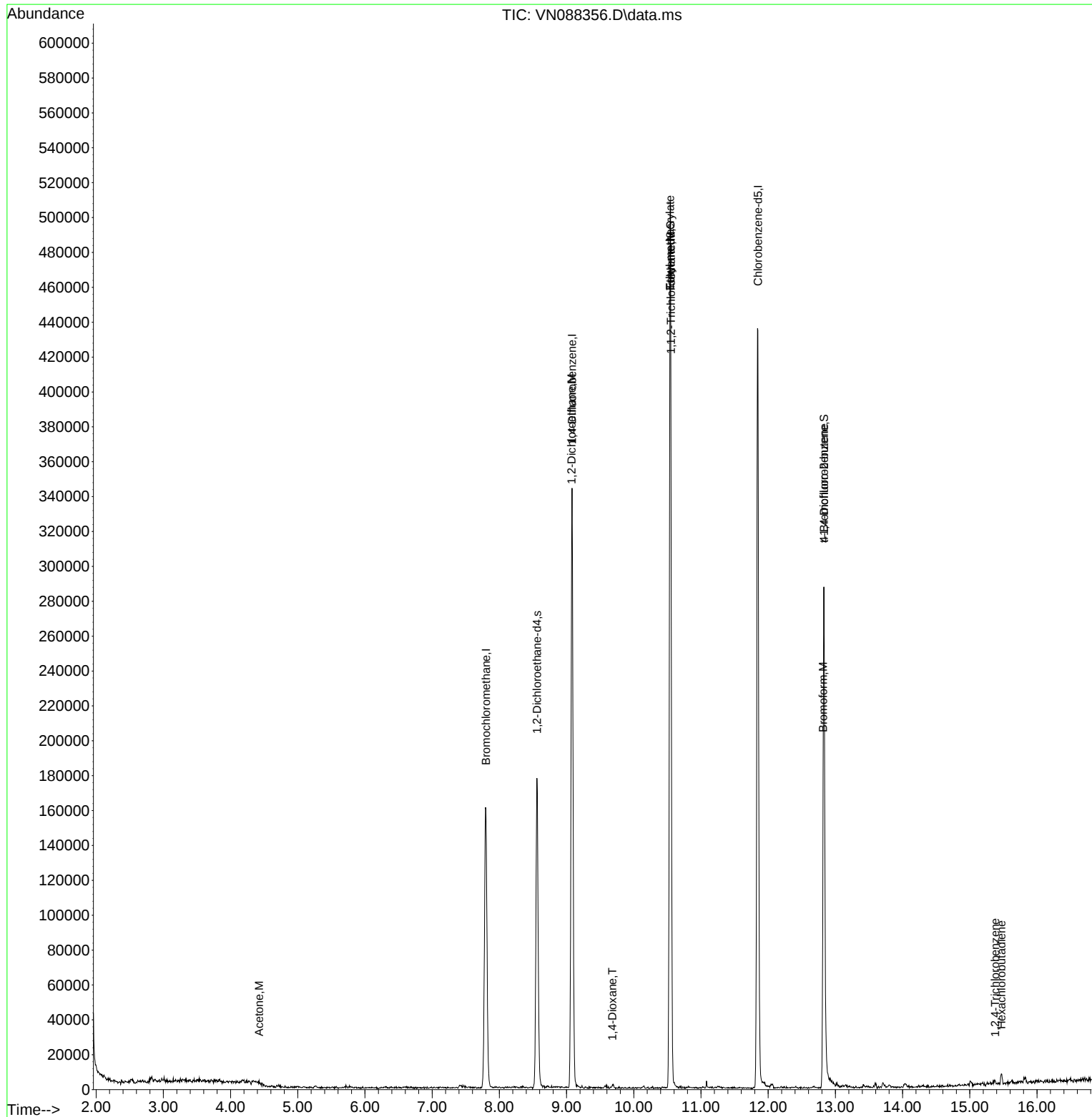
Internal Standards						
1) Bromochloromethane	7.800	128	55920	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	279977	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	244619	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	144661	28.321	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.400%
60) 4-Bromofluorobenzene	12.829	95	104152	25.187	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	83.967%
63) Toluene-d8	10.547	98	345623	29.844	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.467%
Target Compounds						
					Qvalue	
15) Acetone	4.424	58	204	0.309	ug/l #	1
36) 1,2-Dichloroethane	9.077	62	11802	2.172	ug/l #	76
45) 1,4-Dioxane	9.682	88	399	7.071	ug/l #	53
50) 1,1,2-Trichloroethane	10.553	97	12724	3.976	ug/l #	1
51) Ethyl methacrylate	10.541	69	1326	0.252	ug/l #	45
56) Bromoform	12.818	173	1028	0.442	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.829	75	61327	39.343	ug/l #	10
89) 1,2,4-Trichlorobenzene	15.376	180	695	0.207	ug/l	94
90) Hexachlorobutadiene	15.470	225	1019	0.781	ug/l	53

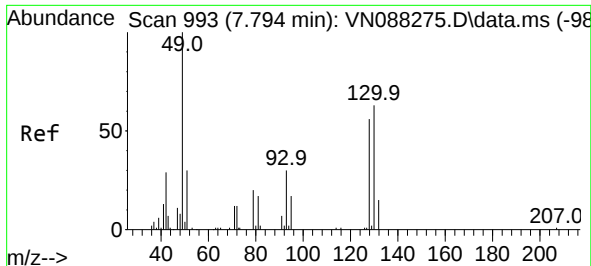
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112525\
Data File : VN088356.D
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBL01

Quant Time: Nov 26 00:18:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

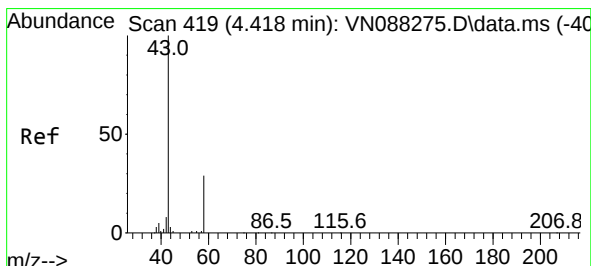
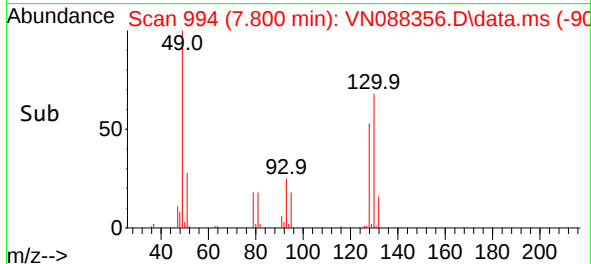
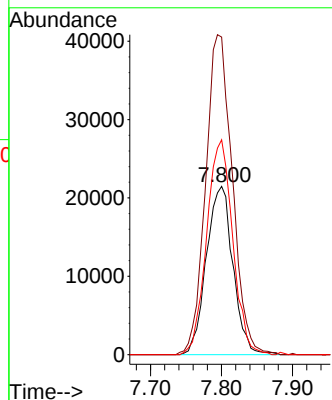
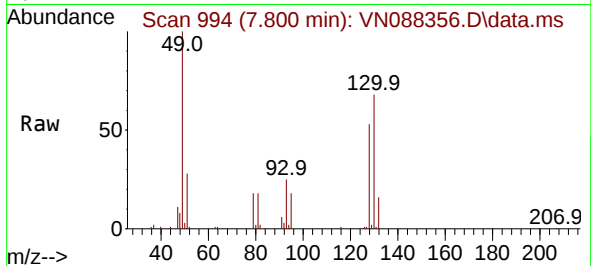




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 993
Delta R.T. 0.006 min
Lab File: VN088356.D
Acq: 25 Nov 2025 12:31

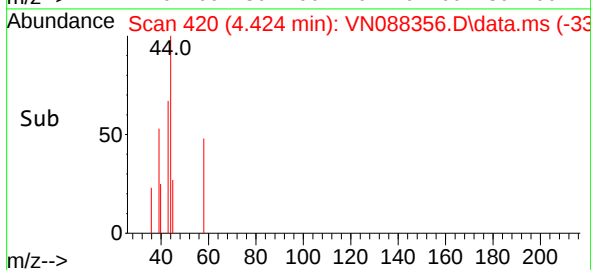
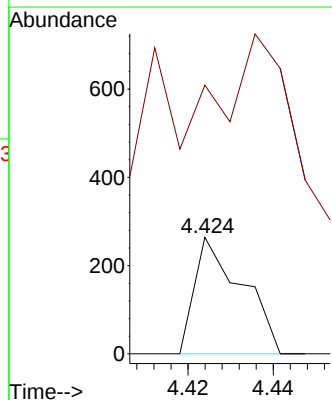
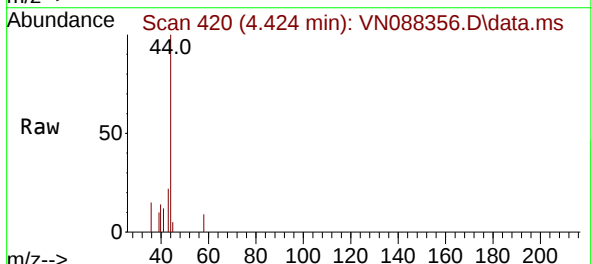
Instrument :
MSVOA_N
ClientSampleId :
VN1125WBL01

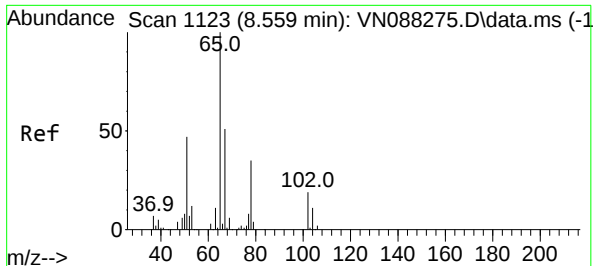
Tgt Ion:128 Resp: 55920
Ion Ratio Lower Upper
128 100
49 191.3 0.0 501.2
130 125.1 0.0 320.2



#15
Acetone
Concen: 0.309 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN088356.D
Acq: 25 Nov 2025 12:31

Tgt Ion: 58 Resp: 204
Ion Ratio Lower Upper
58 100
43 54.9 273.9 410.9#





#27

1,2-Dichloroethane-d4

Concen: 28.321 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088356.D

Acq: 25 Nov 2025 12:31

Instrument :

MSVOA_N

ClientSampleId :

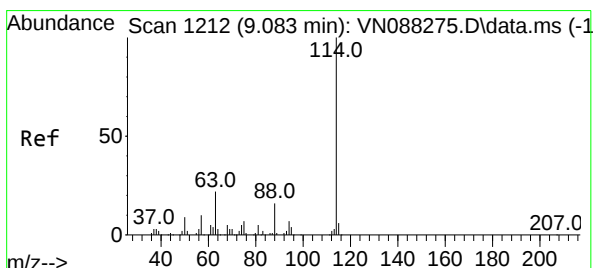
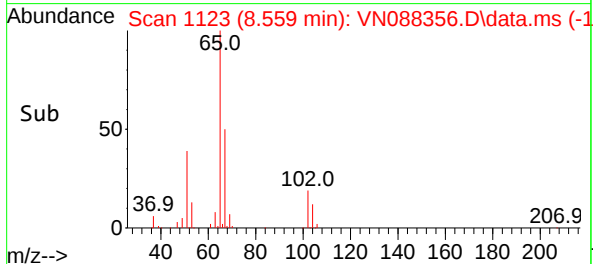
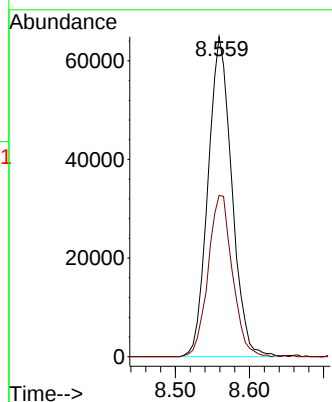
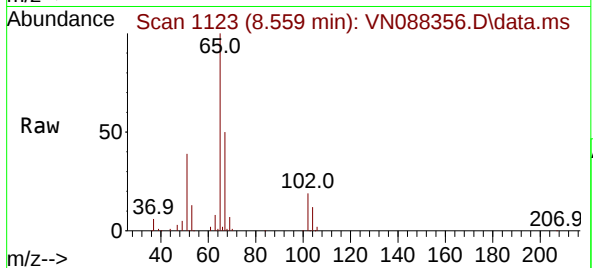
VN1125WBL01

Tgt Ion: 65 Resp: 144661

Ion Ratio Lower Upper

65 100

67 51.4 40.2 60.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088356.D

Acq: 25 Nov 2025 12:31

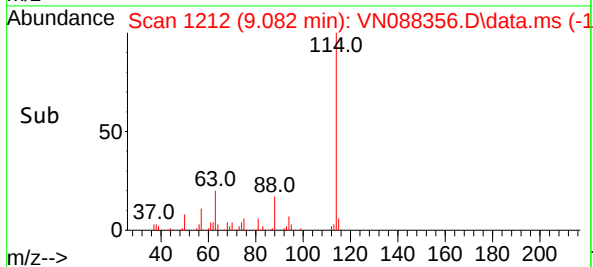
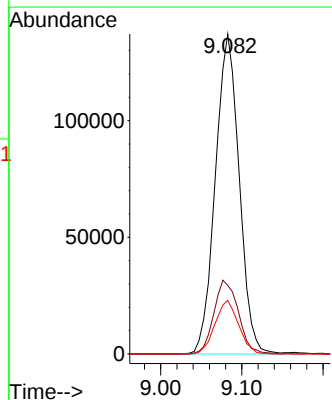
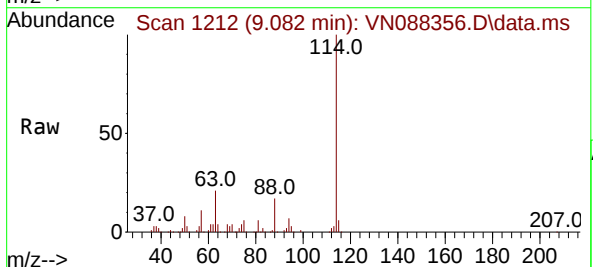
Tgt Ion: 114 Resp: 279977

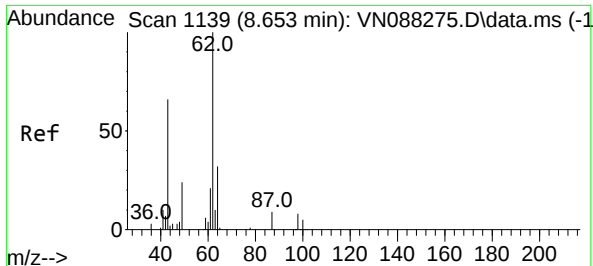
Ion Ratio Lower Upper

114 100

63 23.6 18.9 28.3

88 16.5 12.8 19.2





#36

1,2-Dichloroethane

Concen: 2.172 ug/l

RT: 9.077 min Scan# 1139

Delta R.T. 0.423 min

Lab File: VN088356.D

Acq: 25 Nov 2025 12:31

Instrument :

MSVOA_N

ClientSampleId :

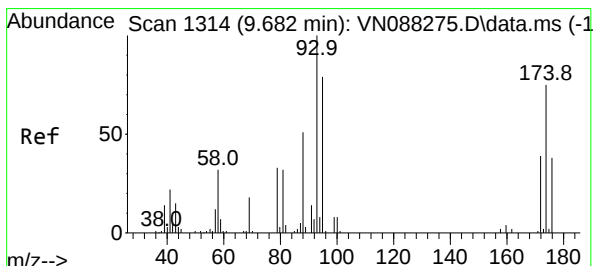
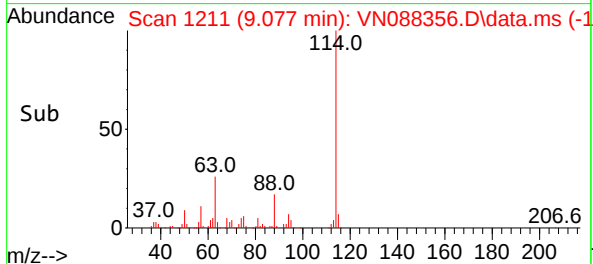
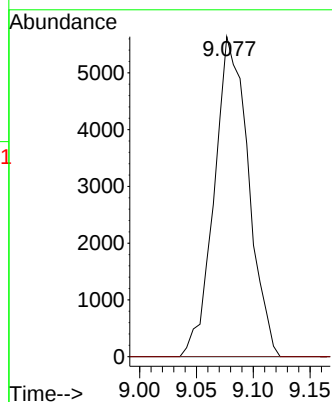
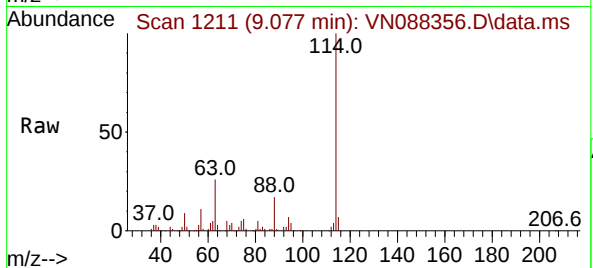
VN1125WBL01

Tgt Ion: 62 Resp: 11802

Ion Ratio Lower Upper

62 100

98 0.0 6.8 10.2#



#45

1,4-Dioxane

Concen: 7.071 ug/l

RT: 9.682 min Scan# 1314

Delta R.T. -0.000 min

Lab File: VN088356.D

Acq: 25 Nov 2025 12:31

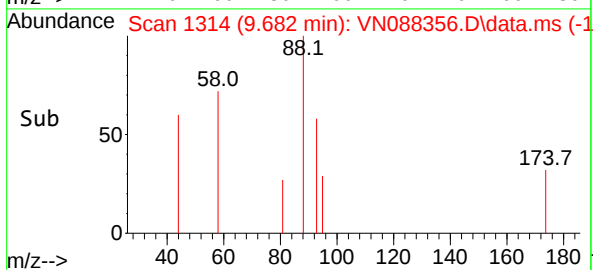
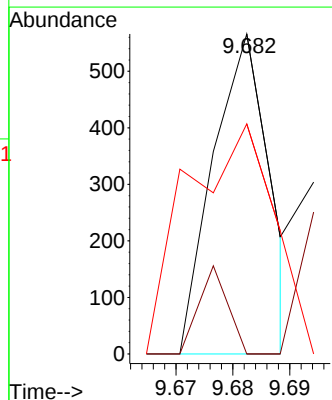
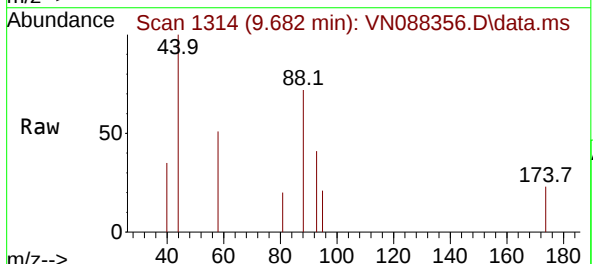
Tgt Ion: 88 Resp: 399

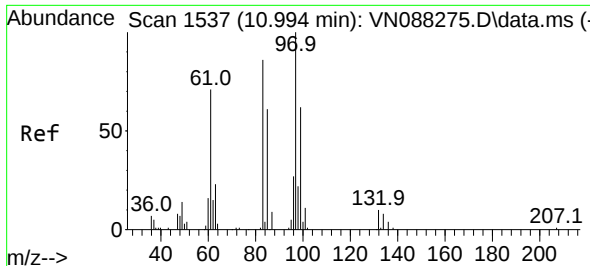
Ion Ratio Lower Upper

88 100

43 0.0 27.8 41.8#

58 109.3 59.5 89.3#

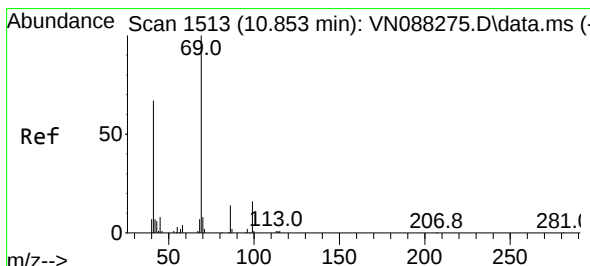
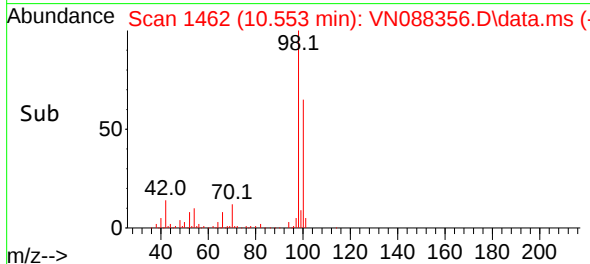
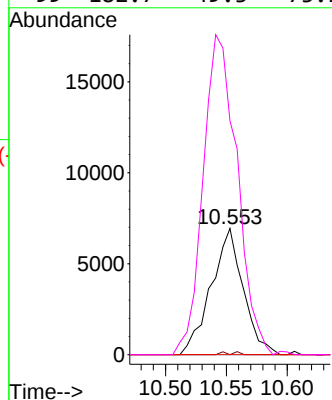
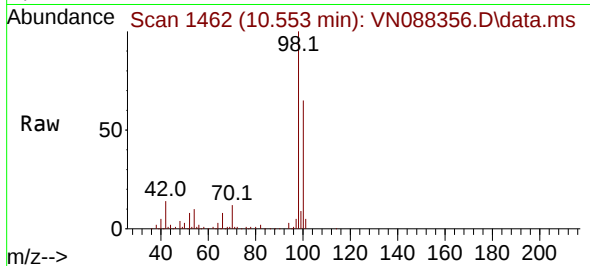




#50
1,1,2-Trichloroethane
Concen: 3.976 ug/l
RT: 10.553 min Scan# 1462
Delta R.T. -0.441 min
Lab File: VN088356.D
Acq: 25 Nov 2025 12:31

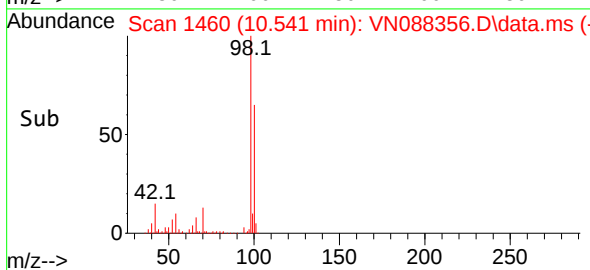
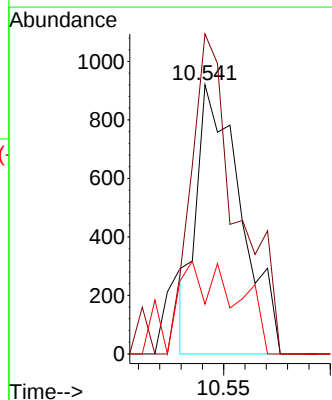
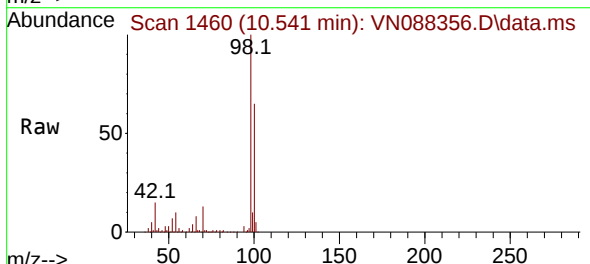
Instrument :
MSVOA_N
ClientSampleId :
VN1125WBL01

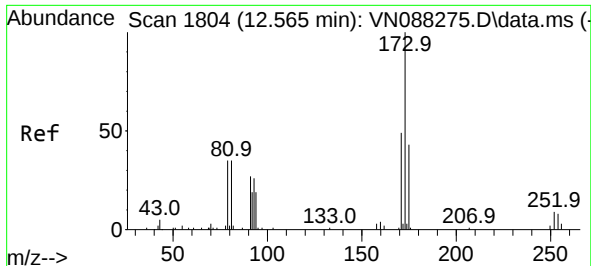
Tgt Ion:	97	Resp:	12724
Ion	Ratio	Lower	Upper
97	100		
83	0.0	68.6	102.8#
85	0.0	49.0	73.6#
99	182.7	49.3	73.9#



#51
Ethyl methacrylate
Concen: 0.252 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.312 min
Lab File: VN088356.D
Acq: 25 Nov 2025 12:31

Tgt Ion:	69	Resp:	1326
Ion	Ratio	Lower	Upper
69	100		
41	118.9	33.6	100.8#
39	18.5	23.4	70.2#

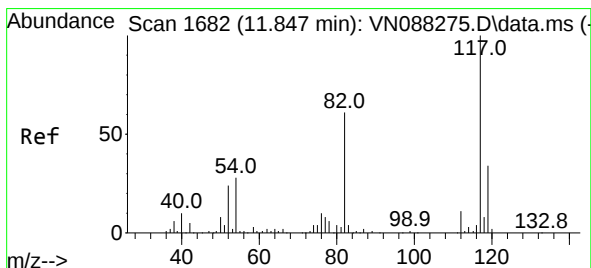
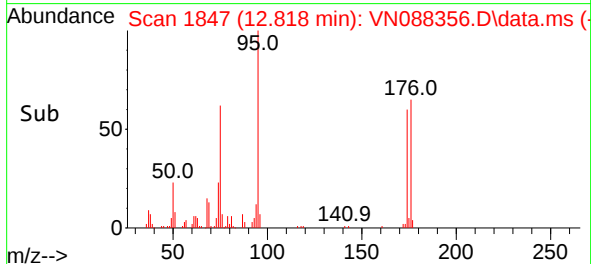
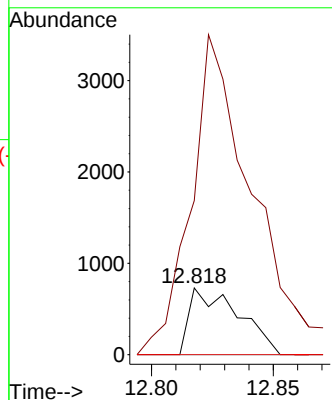
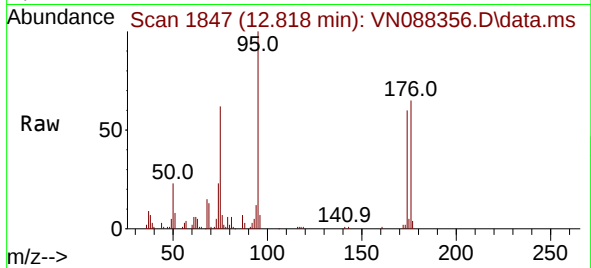




#56
Bromoform
Concen: 0.442 ug/l
RT: 12.818 min Scan# 1847
Delta R.T. 0.253 min
Lab File: VN088356.D
Acq: 25 Nov 2025 12:31

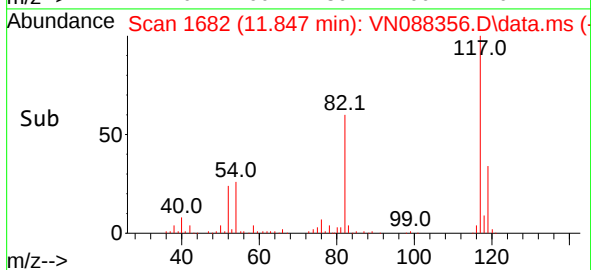
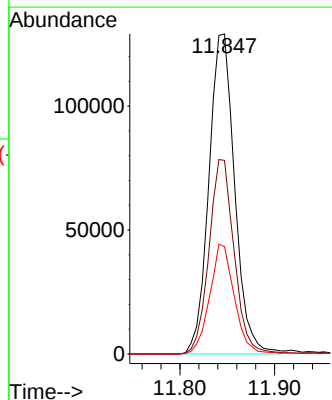
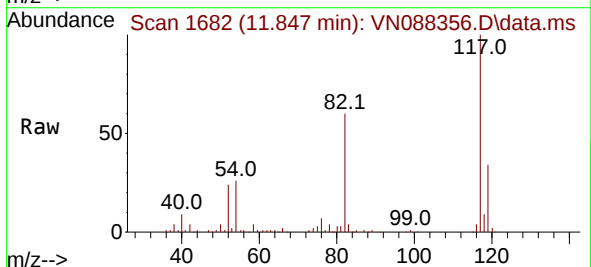
Instrument :
MSVOA_N
ClientSampleId :
VN1125WBL01

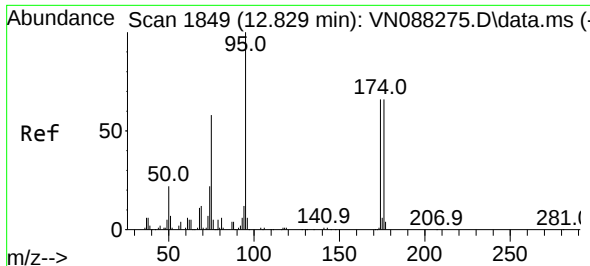
Tgt Ion:173 Resp: 1028
Ion Ratio Lower Upper
173 100
175 593.3 37.7 56.5#
254 0.0 5.9 8.9#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN088356.D
Acq: 25 Nov 2025 12:31

Tgt Ion:117 Resp: 244619
Ion Ratio Lower Upper
117 100
82 59.3 49.3 73.9
119 32.7 26.4 39.6

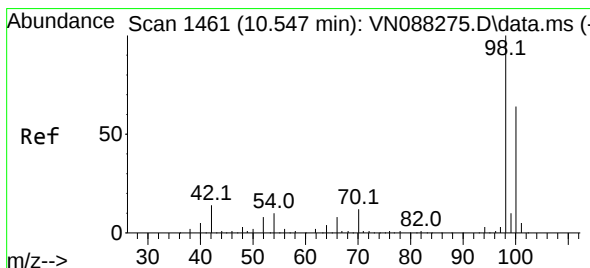
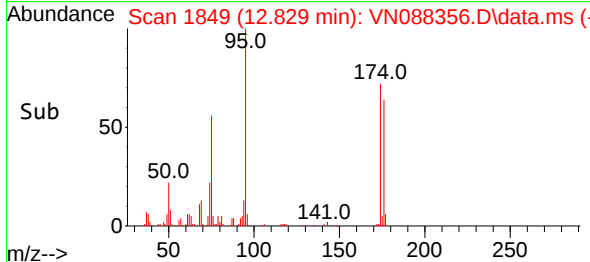
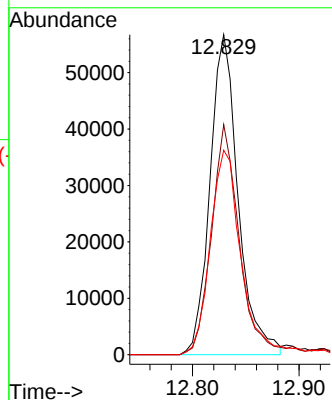
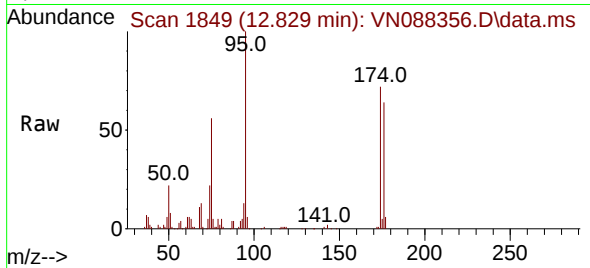




#60
4-Bromofluorobenzene
Concen: 25.187 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN088356.D
Acq: 25 Nov 2025 12:31

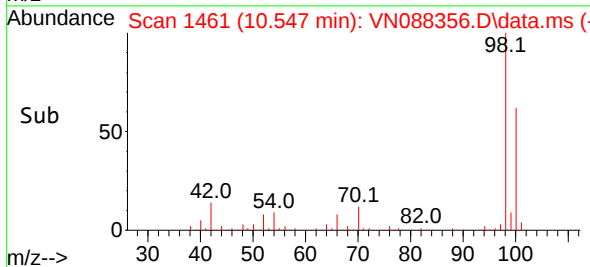
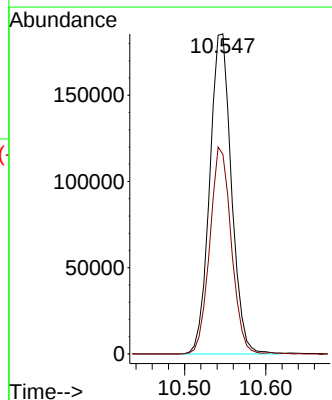
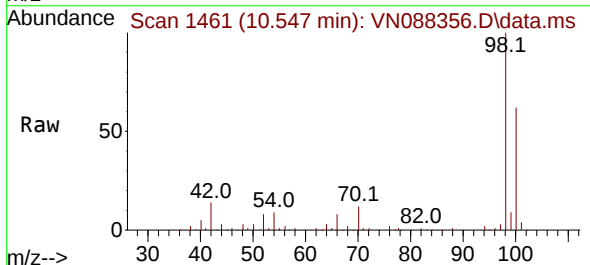
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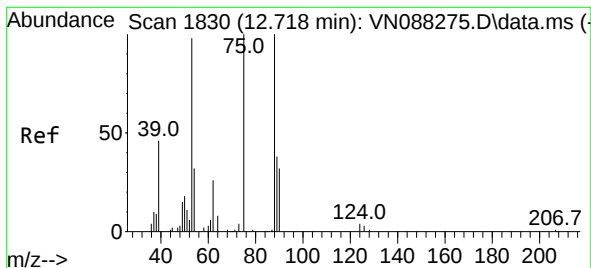
Tgt Ion: 95 Resp: 104152
Ion Ratio Lower Upper
95 100
174 70.7 54.5 81.7
176 69.9 53.8 80.6



#63
Toluene-d8
Concen: 29.844 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088356.D
Acq: 25 Nov 2025 12:31

Tgt Ion: 98 Resp: 345623
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4

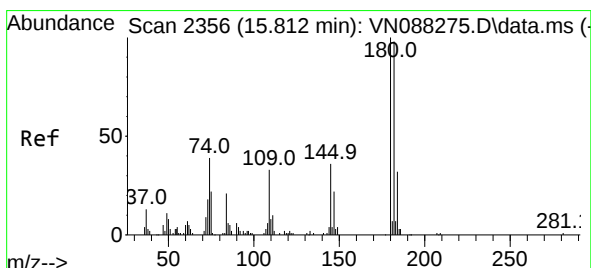
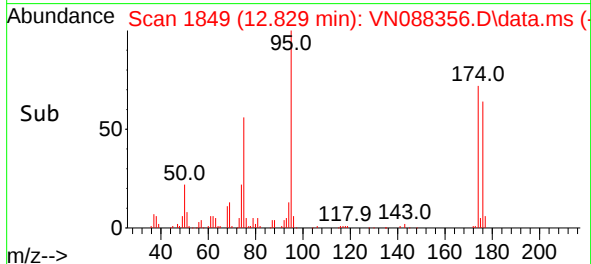
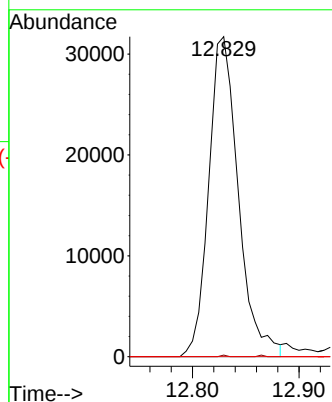
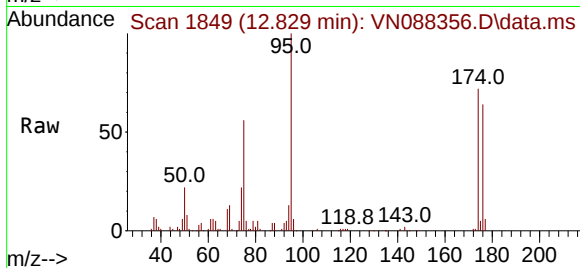




#77
 t-1,4-Dichloro-2-butene
 Concen: 39.343 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN088356.D
 Acq: 25 Nov 2025 12:31

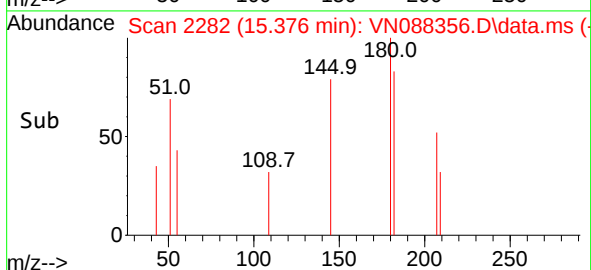
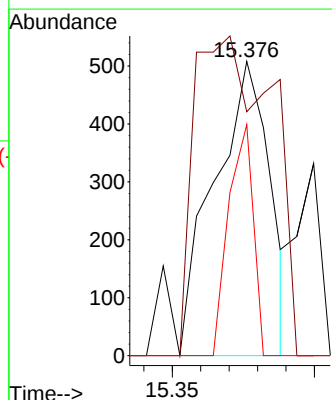
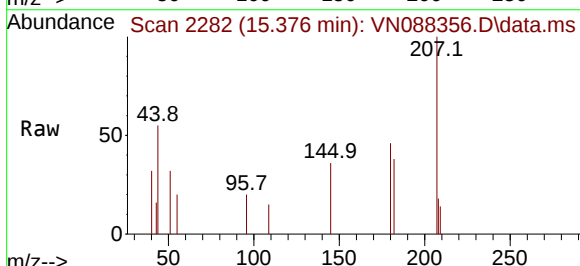
Instrument :
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 ClientSampleId :
 VN1125WBL01

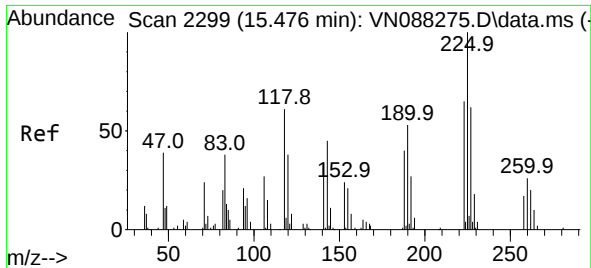
Tgt Ion: 75 Resp: 61327
 Ion Ratio Lower Upper
 75 100
 53 0.5 50.0 150.0#
 89 0.0 22.3 66.9#



#89
 1,2,4-Trichlorobenzene
 Concen: 0.207 ug/l
 RT: 15.376 min Scan# 2282
 Delta R.T. -0.435 min
 Lab File: VN088356.D
 Acq: 25 Nov 2025 12:31

Tgt Ion:180 Resp: 695
 Ion Ratio Lower Upper
 180 100
 182 102.6 77.3 115.9
 145 34.5 30.2 45.4





#90
 Hexachlorobutadiene
 Concen: 0.781 ug/l
 RT: 15.470 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN088356.D
 Acq: 25 Nov 2025 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1125WBL01

Tgt Ion:	225	Resp:	1019
Ion	Ratio	Lower	Upper
225	100		
223	101.8	0.0	132.0
227	27.2	0.0	132.6

