

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111425\
 Data File : VN088285.D
 Acq On : 14 Nov 2025 10:38
 Operator : JC\MD
 Sample : VN1114WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBL01

Quant Time: Nov 14 21:49:14 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)

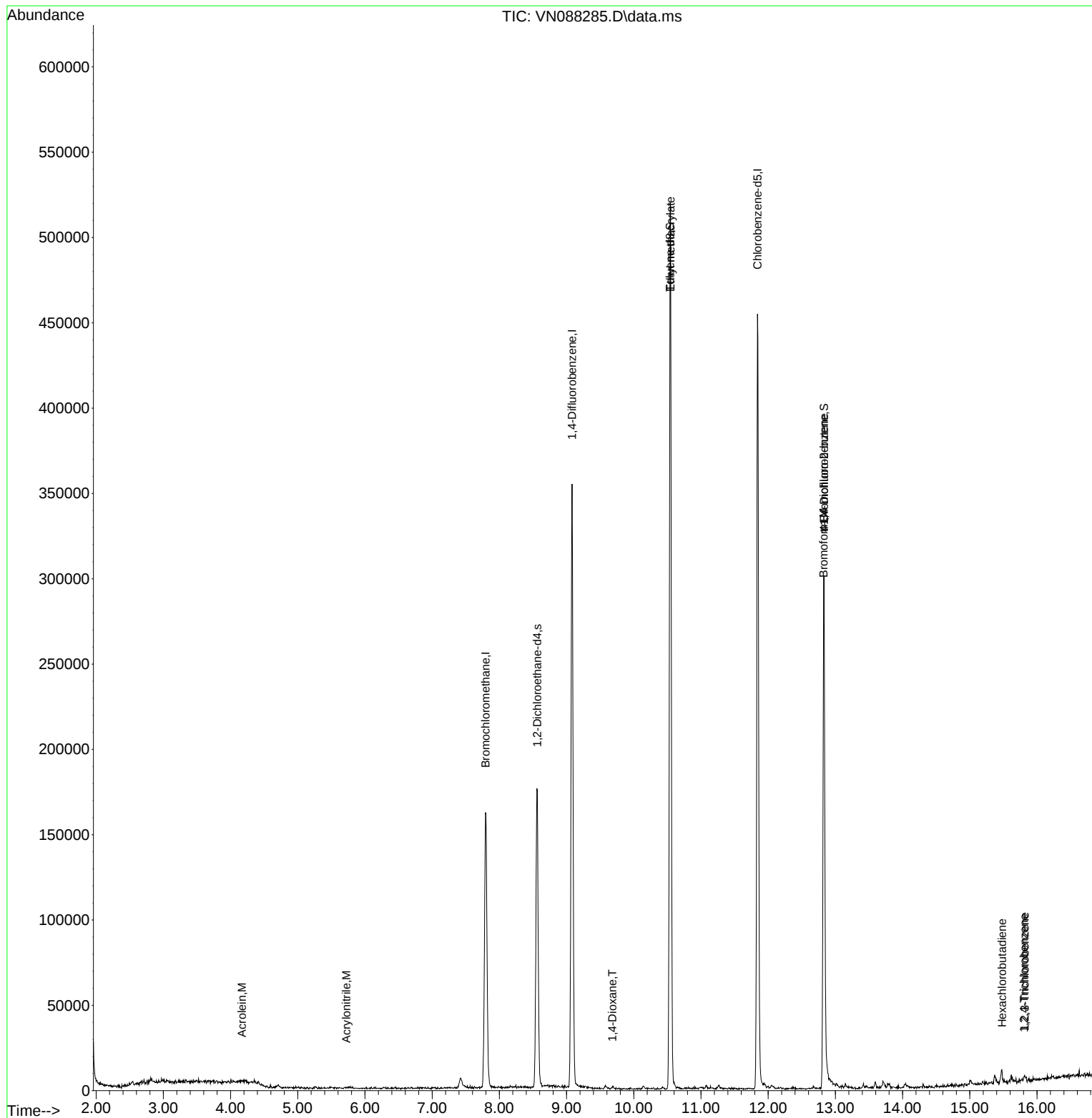
Internal Standards						
1) Bromochloromethane	7.794	128	53945	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	285107	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	248105	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	150878	30.619	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.067%
60) 4-Bromofluorobenzene	12.829	95	110999	26.466	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.233%
63) Toluene-d8	10.541	98	347089	29.549	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.500%
Target Compounds						
					Qvalue	
13) Acrolein	4.171	56	357	0.507	ug/l #	67
14) Acrylonitrile	5.724	53	567	0.261	ug/l #	16
45) 1,4-Dioxane	9.682	88	353	6.143	ug/l #	40
51) Ethyl methacrylate	10.547	69	1300	0.242	ug/l #	59
56) Bromoform	12.823	173	496	0.209	ug/l #	36
77) t-1,4-Dichloro-2-butene	12.829	75	66500	42.062	ug/l #	10
89) 1,2,4-Trichlorobenzene	15.806	180	702	0.206	ug/l #	73
90) Hexachlorobutadiene	15.482	225	968	0.731	ug/l	64
92) 1,2,3-Trichlorobenzene	15.817	180	972	0.285	ug/l	64

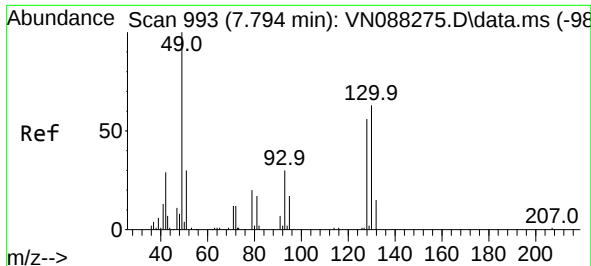
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111425\
Data File : VN088285.D
Acq On : 14 Nov 2025 10:38
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Sample : VN1114WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBL01

Quant Time: Nov 14 21:49:14 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

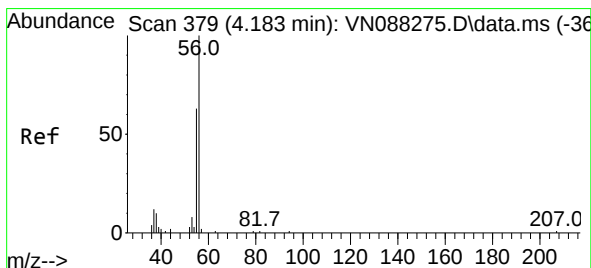
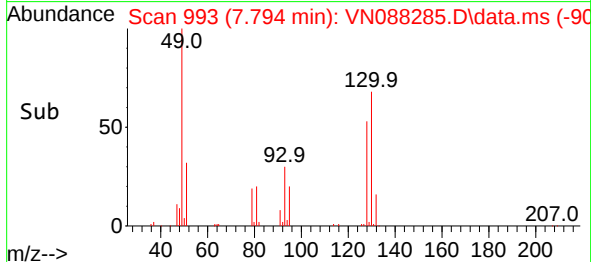
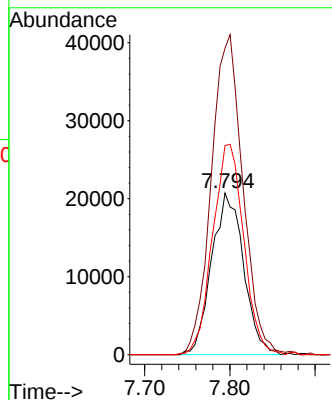
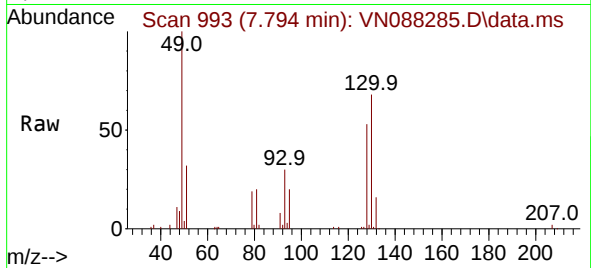




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN088285.D
Acq: 14 Nov 2025 10:38

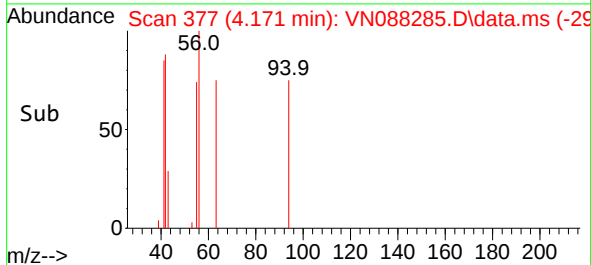
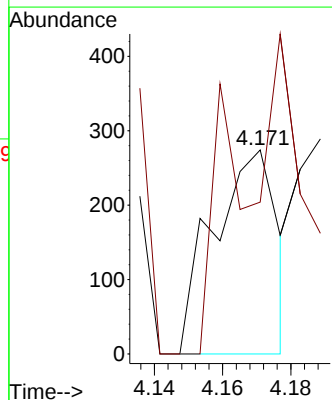
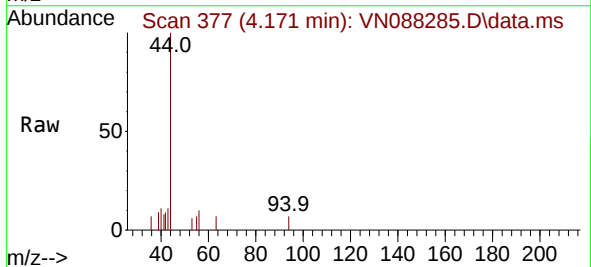
Instrument :
MSVOA_N
ClientSampleId :
VN1114WBL01

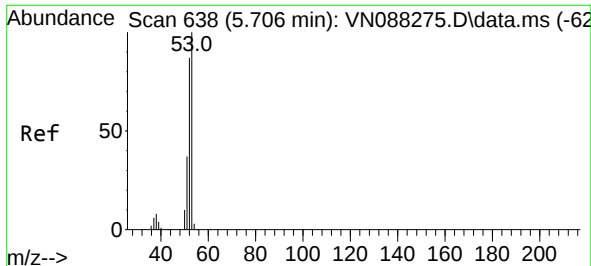
Tgt Ion:128 Resp: 53945
Ion Ratio Lower Upper
128 100
49 195.3 0.0 501.2
130 126.8 0.0 320.2



#13
Acrolein
Concen: 0.507 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.012 min
Lab File: VN088285.D
Acq: 14 Nov 2025 10:38

Tgt Ion: 56 Resp: 357
Ion Ratio Lower Upper
56 100
55 100.0 57.9 86.9#





#14

Acrylonitrile

Concen: 0.261 ug/l

RT: 5.724 min Scan# 641

Delta R.T. 0.018 min

Lab File: VN088285.D

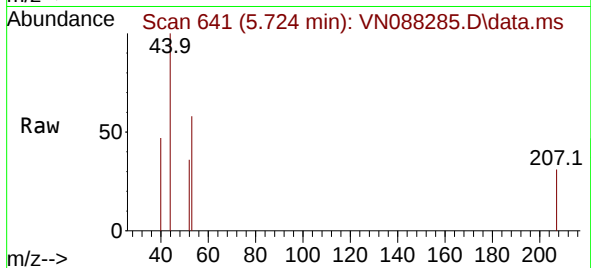
Acq: 14 Nov 2025 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBL01



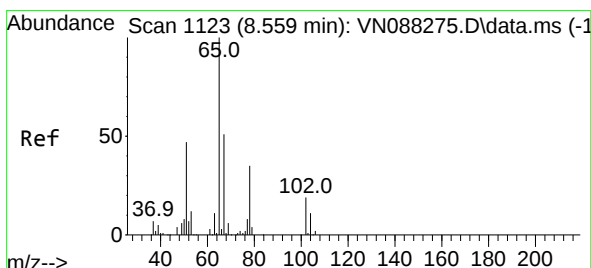
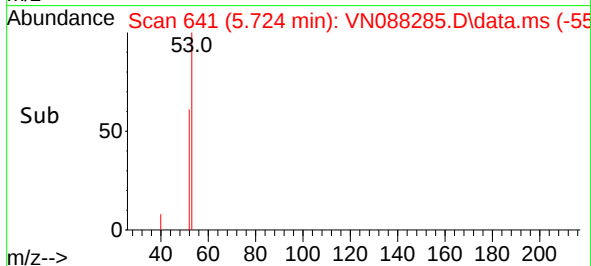
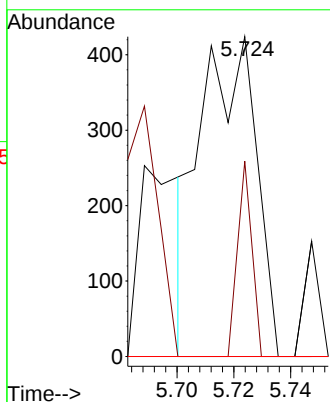
Tgt Ion: 53 Resp: 567

Ion Ratio Lower Upper

53 100

52 0.0 42.3 126.9#

51 0.0 18.4 55.2#



#27

1,2-Dichloroethane-d4

Concen: 30.619 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN088285.D

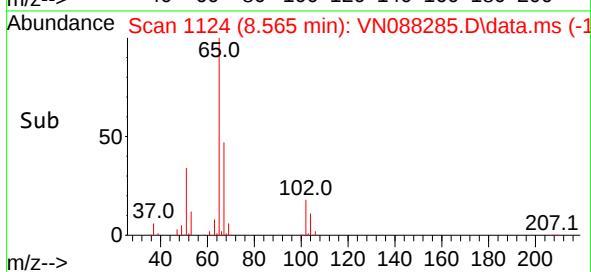
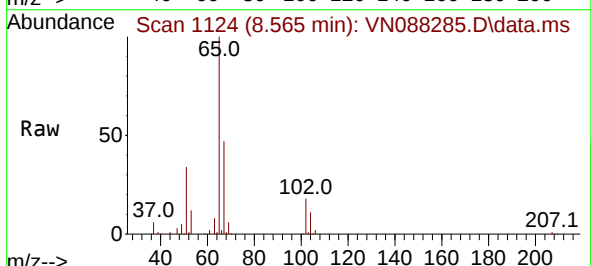
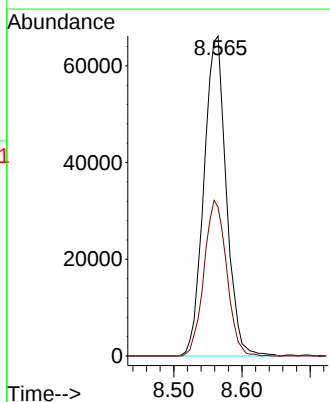
Acq: 14 Nov 2025 10:38

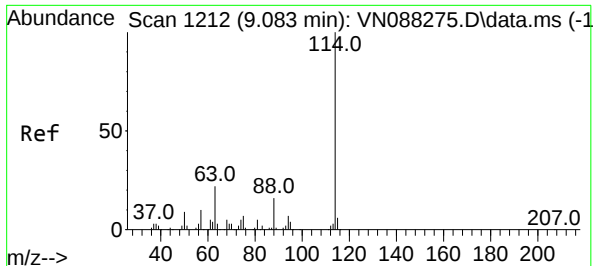
Tgt Ion: 65 Resp: 150878

Ion Ratio Lower Upper

65 100

67 49.3 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN088285.D

Acq: 14 Nov 2025 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBL01

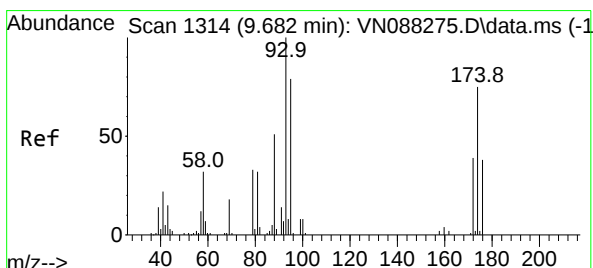
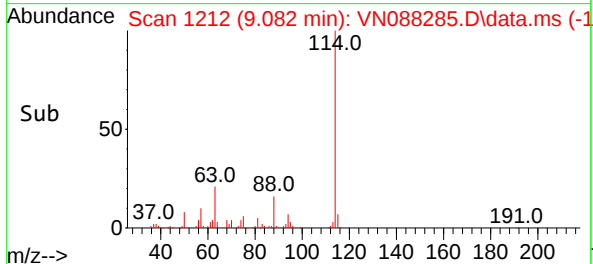
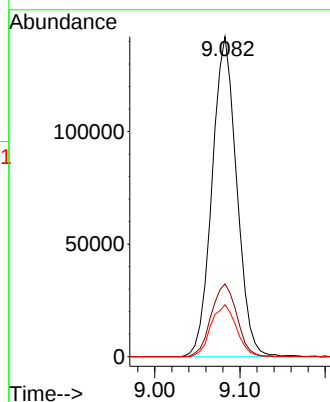
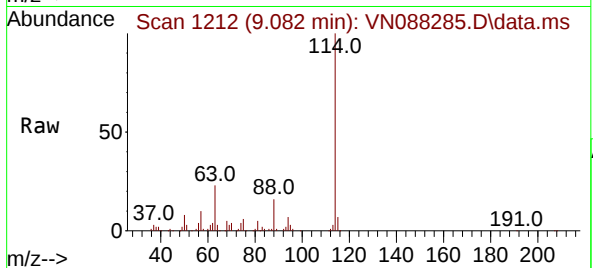
Tgt Ion:114 Resp: 285107

Ion Ratio Lower Upper

114 100

63 23.7 18.9 28.3

88 16.7 12.8 19.2



#45

1,4-Dioxane

Concen: 6.143 ug/l

RT: 9.682 min Scan# 1314

Delta R.T. -0.000 min

Lab File: VN088285.D

Acq: 14 Nov 2025 10:38

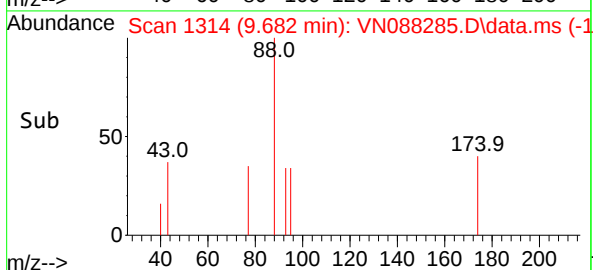
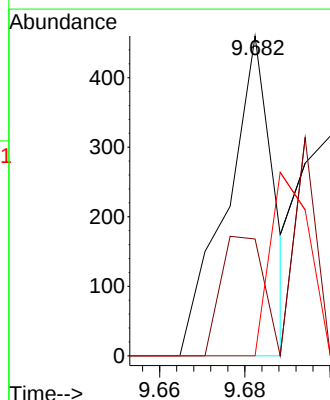
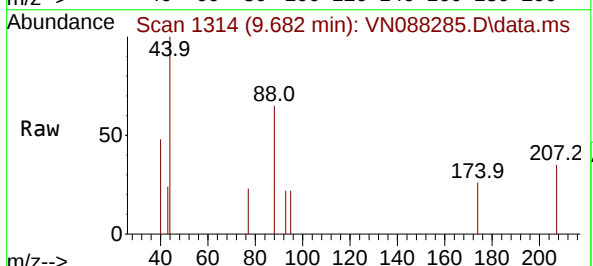
Tgt Ion: 88 Resp: 353

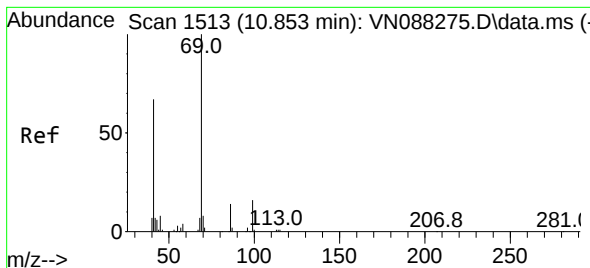
Ion Ratio Lower Upper

88 100

43 34.0 27.8 41.8

58 0.0 59.5 89.3#

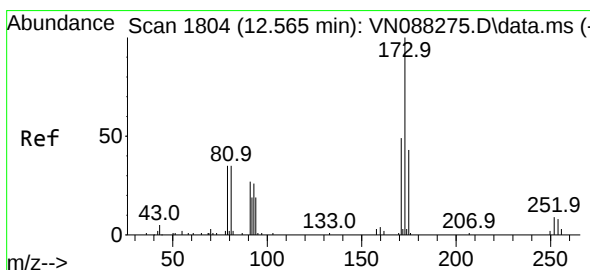
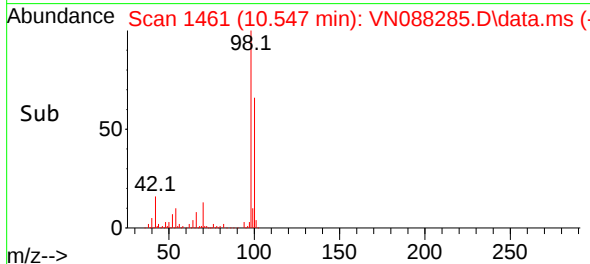
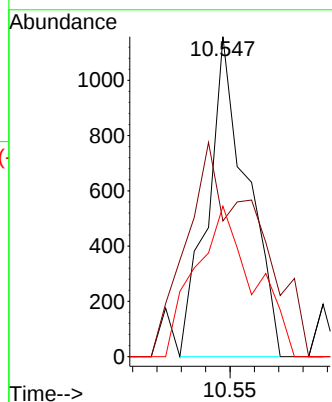
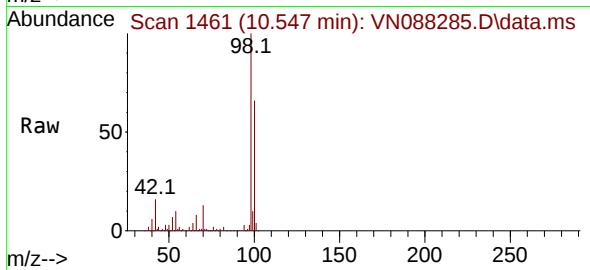




#51
Ethyl methacrylate
Concen: 0.242 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.306 min
Lab File: VN088285.D
Acq: 14 Nov 2025 10:38

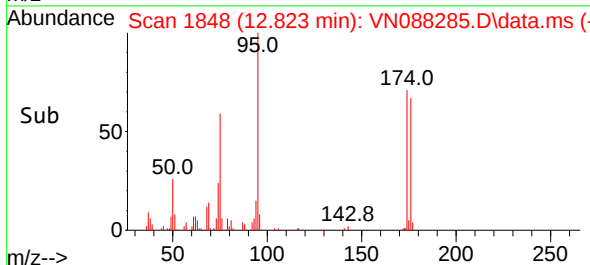
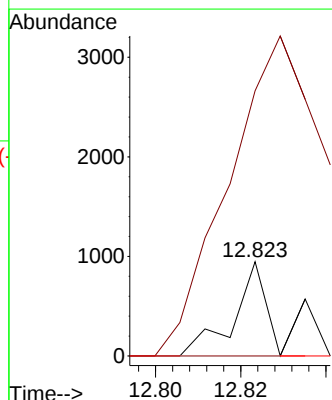
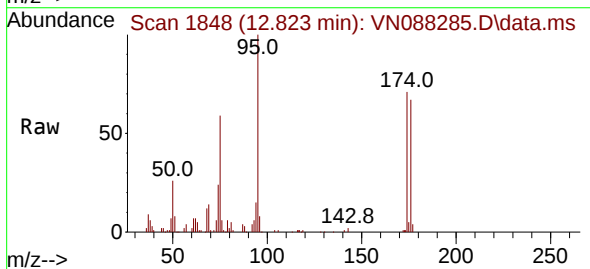
Instrument :
MSVOA_N
ClientSampleId :
VN1114WBL01

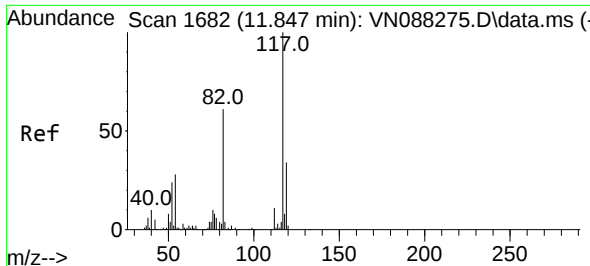
Tgt Ion: 69 Resp: 1300
Ion Ratio Lower Upper
69 100
41 23.3 33.6 100.8#
39 32.4 23.4 70.2



#56
Bromoform
Concen: 0.209 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.259 min
Lab File: VN088285.D
Acq: 14 Nov 2025 10:38

Tgt Ion:173 Resp: 496
Ion Ratio Lower Upper
173 100
175 0.0 37.7 56.5#
254 0.0 5.9 8.9#

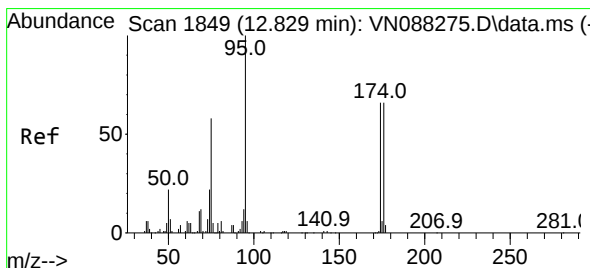
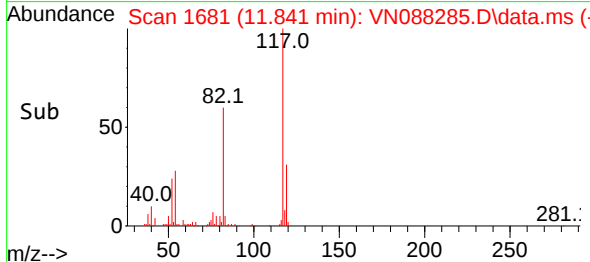
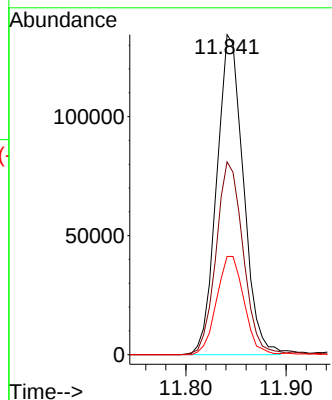
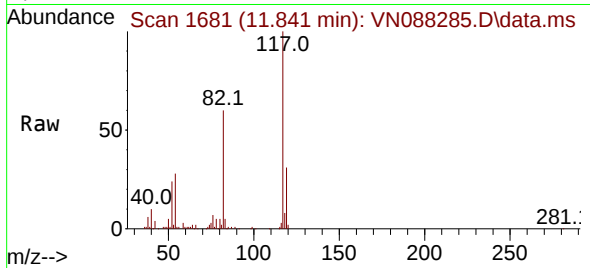




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088285.D
Acq: 14 Nov 2025 10:38

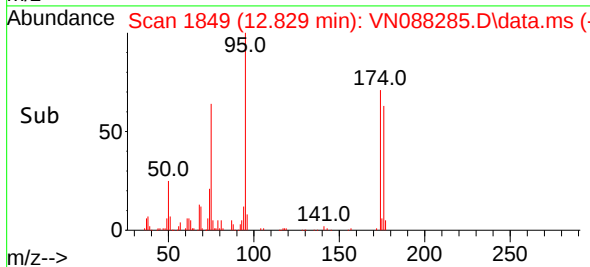
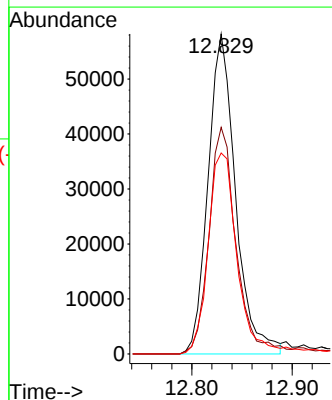
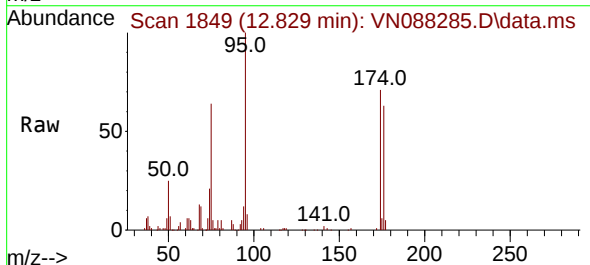
Instrument :
MSVOA_N
ClientSampleId :
VN1114WBL01

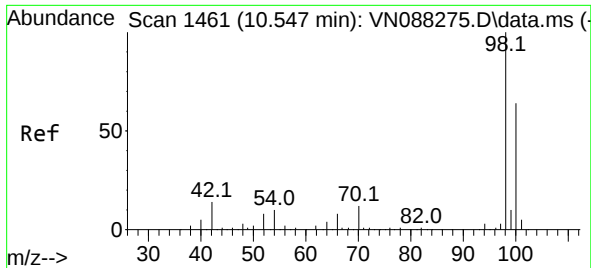
Tgt Ion:117 Resp: 248105
Ion Ratio Lower Upper
117 100
82 61.1 49.3 73.9
119 31.5 26.4 39.6



#60
4-Bromofluorobenzene
Concen: 26.466 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN088285.D
Acq: 14 Nov 2025 10:38

Tgt Ion: 95 Resp: 110999
Ion Ratio Lower Upper
95 100
174 67.8 54.5 81.7
176 65.2 53.8 80.6

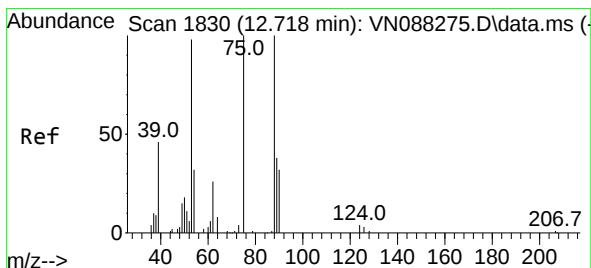
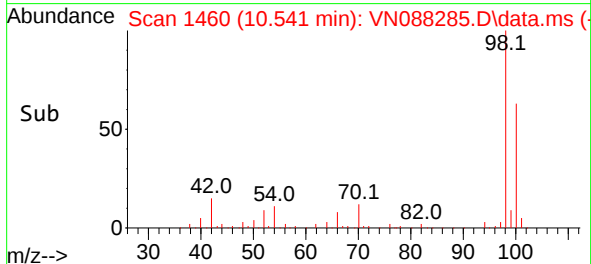
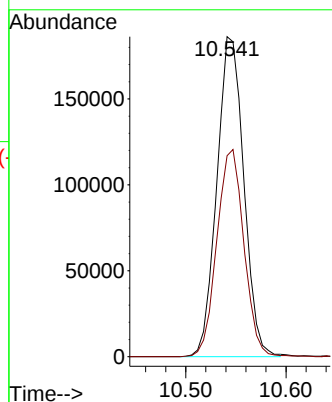
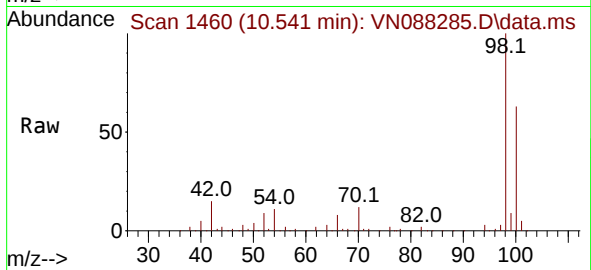




#63
Toluene-d8
Concen: 29.549 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088285.D
Acq: 14 Nov 2025 10:38

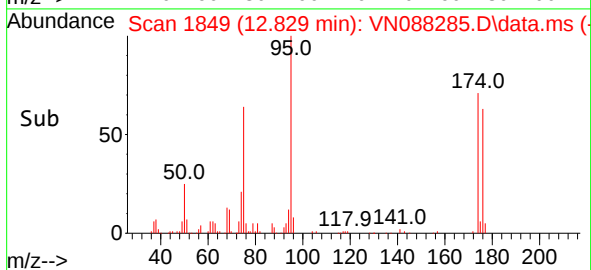
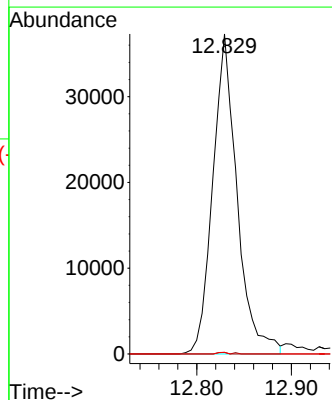
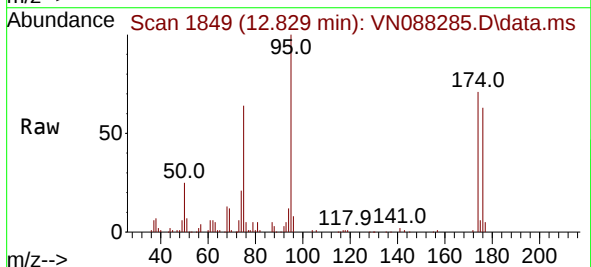
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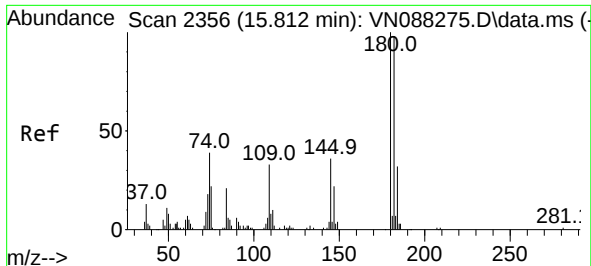
Tgt Ion: 98 Resp: 347089
Ion Ratio Lower Upper
98 100
100 65.0 51.6 77.4



#77
t-1,4-Dichloro-2-butene
Concen: 42.062 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088285.D
Acq: 14 Nov 2025 10:38

Tgt Ion: 75 Resp: 66500
Ion Ratio Lower Upper
75 100
53 0.5 50.0 150.0#
89 0.5 22.3 66.9#

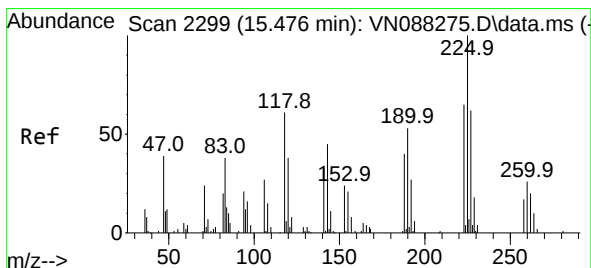
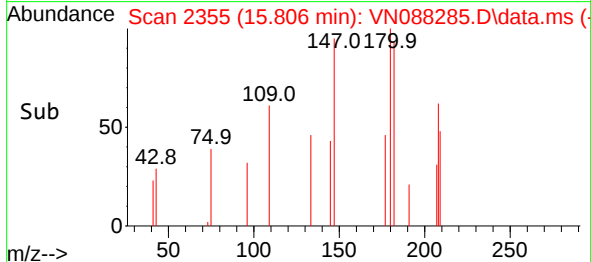
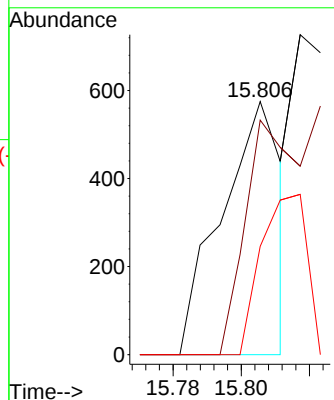
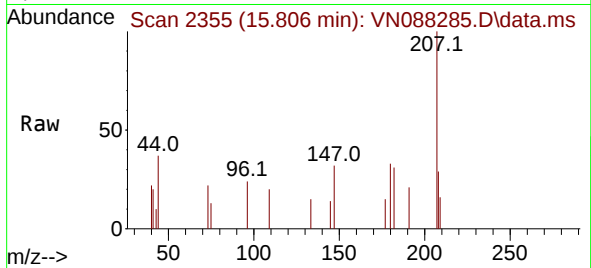




#89
1,2,4-Trichlorobenzene
Concen: 0.206 ug/l
RT: 15.806 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN088285.D
Acq: 14 Nov 2025 10:38

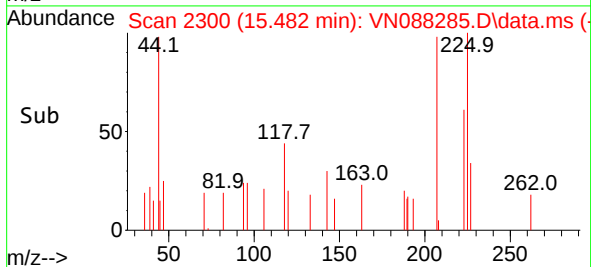
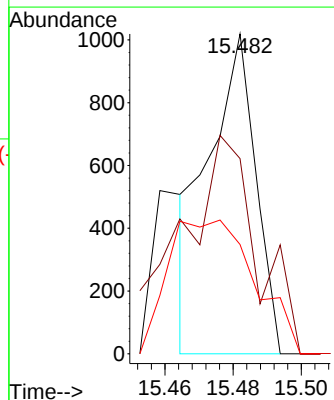
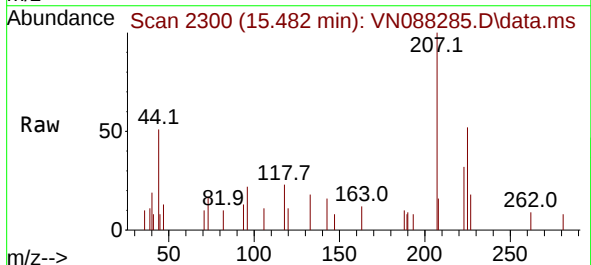
Instrument :
MSVOA_N
ClientSampleId :
VN1114WBL01

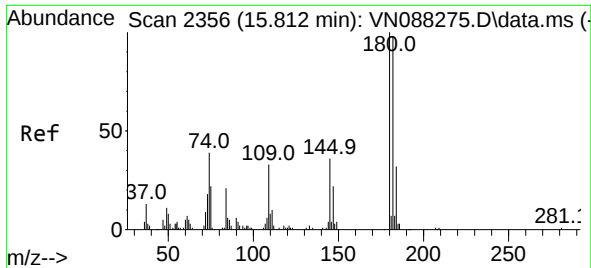
Tgt Ion:180 Resp: 702
Ion Ratio Lower Upper
180 100
182 83.5 77.3 115.9
145 0.0 30.2 45.4#



#90
Hexachlorobutadiene
Concen: 0.731 ug/l
RT: 15.482 min Scan# 2300
Delta R.T. 0.006 min
Lab File: VN088285.D
Acq: 14 Nov 2025 10:38

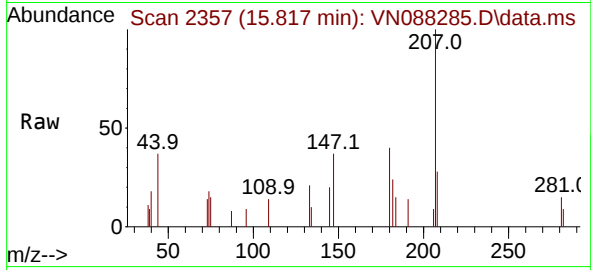
Tgt Ion:225 Resp: 968
Ion Ratio Lower Upper
225 100
223 112.5 0.0 132.0
227 77.9 0.0 132.6





#92
 1,2,3-Trichlorobenzene
 Concen: 0.285 ug/l
 RT: 15.817 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN088285.D
 Acq: 14 Nov 2025 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBL01



Tgt Ion:	180	Resp:	972
Ion Ratio	Lower	Upper	
180	100		
182	49.5	0.0	193.2
145	34.9	0.0	75.6

