

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112025\
 Data File : VN088320.D
 Acq On : 20 Nov 2025 10:43
 Operator : JC\MD
 Sample : VN1120WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 02:57:21 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)

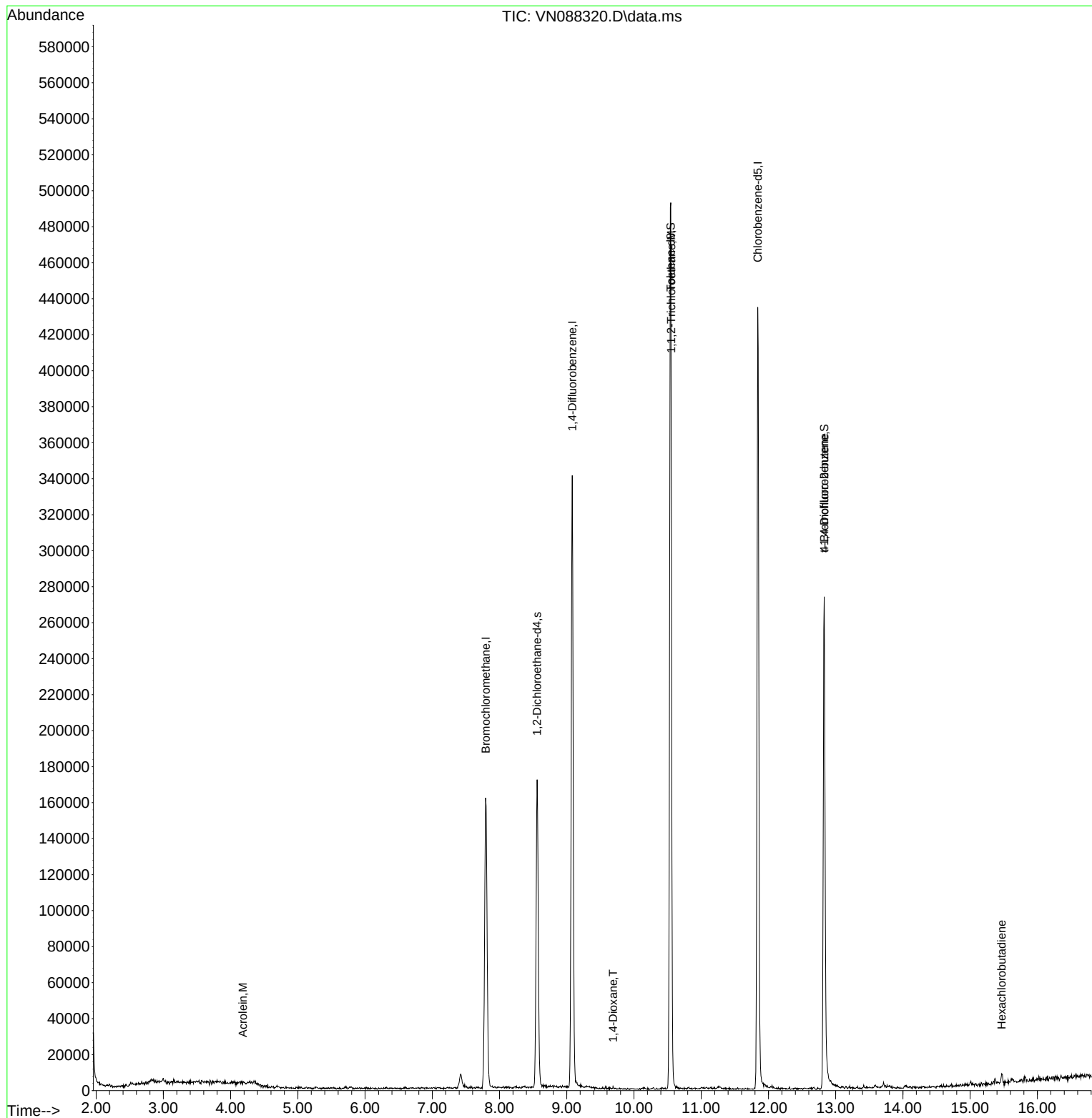
Internal Standards						
1) Bromochloromethane	7.794	128	53817	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	272055	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	237385	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	138545	28.183	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.933%
60) 4-Bromofluorobenzene	12.829	95	104805	26.117	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.067%
63) Toluene-d8	10.547	98	336342	29.927	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.767%
Target Compounds						
					Qvalue	
13) Acrolein	4.183	56	207	0.295	ug/l #	1
45) 1,4-Dioxane	9.688	88	146	2.663	ug/l #	9
50) 1,1,2-Trichloroethane	10.553	97	12412	3.991	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.829	75	58301	38.541	ug/l #	10
90) Hexachlorobutadiene	15.470	225	860	0.679	ug/l	91

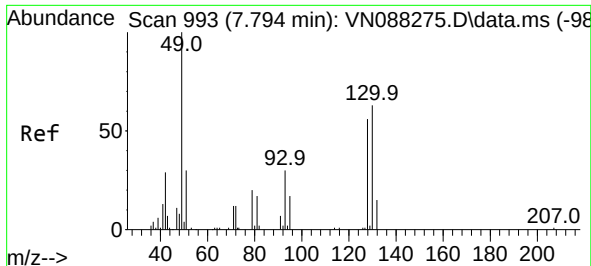
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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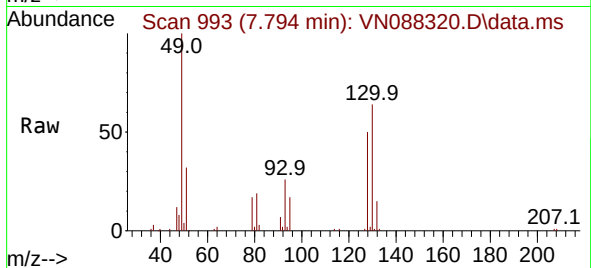
Quant Time: Nov 21 02:57:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration



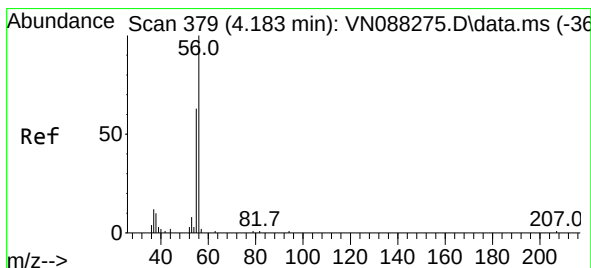
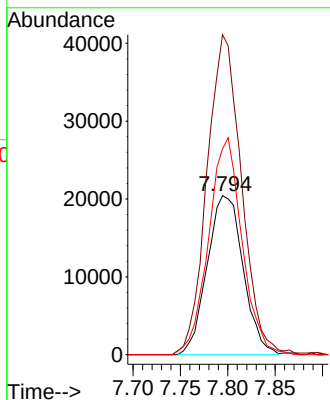
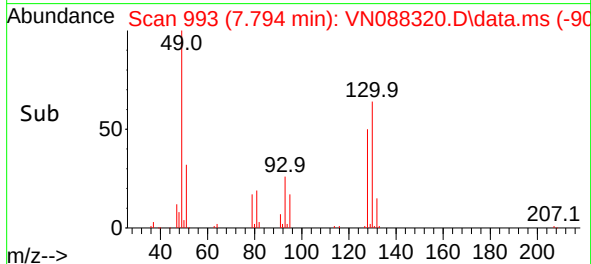


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN088320.D
Acq: 20 Nov 2025 10:43

Instrument :
MSVOA_N
ClientSampleId :

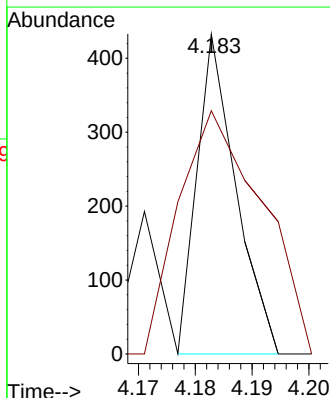
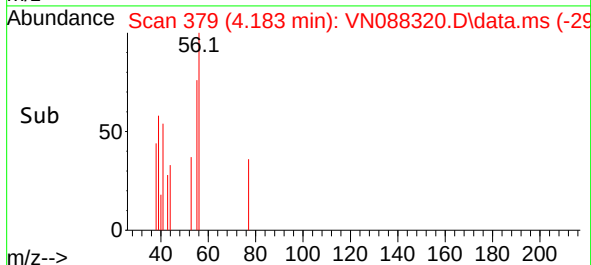
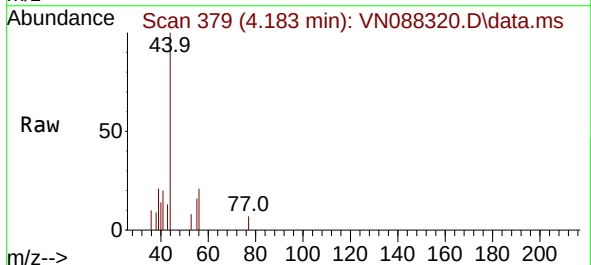


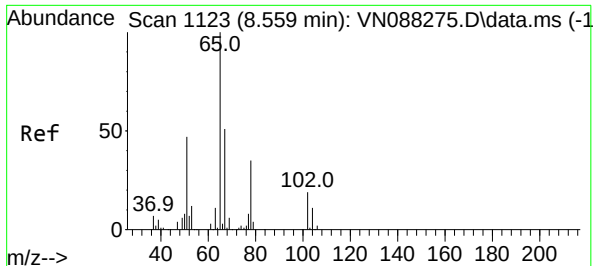
Tgt Ion	Ratio	Lower	Upper
128	100		
49	192.5	0.0	501.2
130	127.4	0.0	320.2



#13
Acrolein
Concen: 0.295 ug/l
RT: 4.183 min Scan# 379
Delta R.T. -0.000 min
Lab File: VN088320.D
Acq: 20 Nov 2025 10:43

Tgt Ion	Ratio	Lower	Upper
56	100		
55	161.8	57.9	86.9

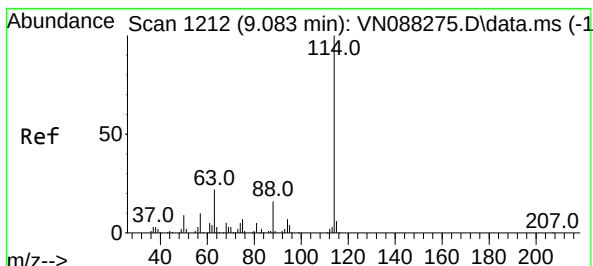
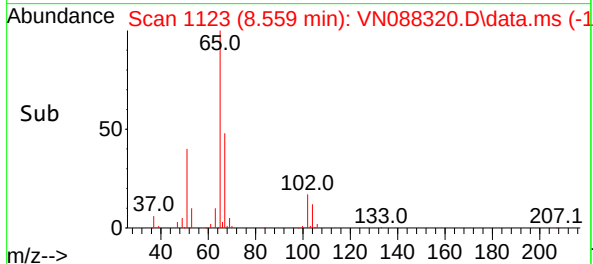
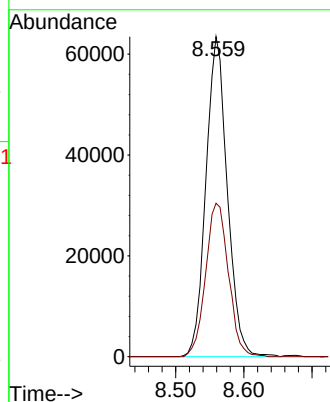
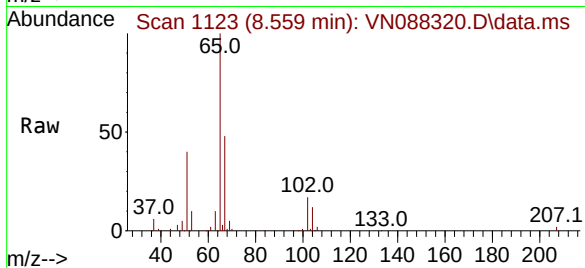




#27
1,2-Dichloroethane-d4
Concen: 28.183 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088320.D
Acq: 20 Nov 2025 10:43

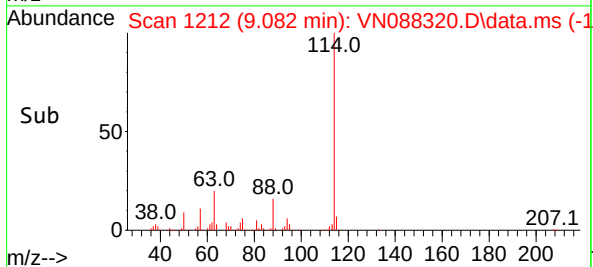
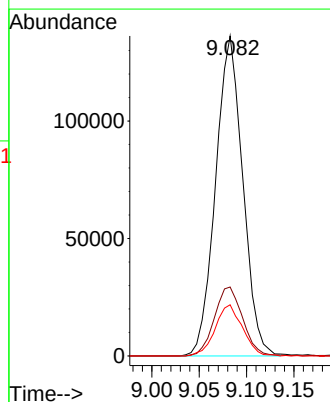
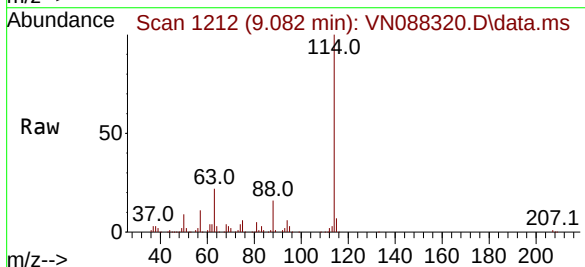
Instrument :
MSVOA_N
ClientSampleId :

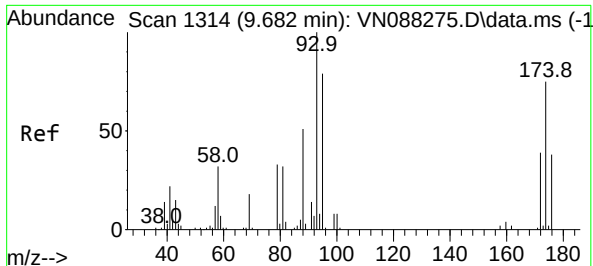
Tgt Ion: 65 Resp: 138545
Ion Ratio Lower Upper
65 100
67 51.1 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN088320.D
Acq: 20 Nov 2025 10:43

Tgt Ion: 114 Resp: 272055
Ion Ratio Lower Upper
114 100
63 22.4 18.9 28.3
88 16.0 12.8 19.2





#45

1,4-Dioxane

Concen: 2.663 ug/l

RT: 9.688 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN088320.D

Acq: 20 Nov 2025 10:43

Instrument :

MSVOA_N

ClientSampleId :

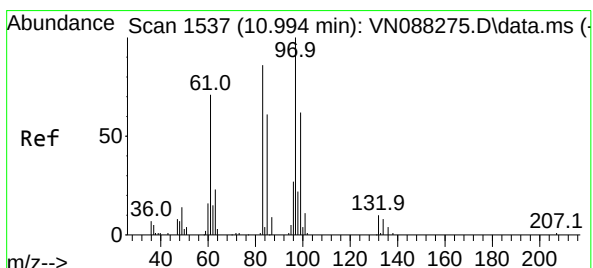
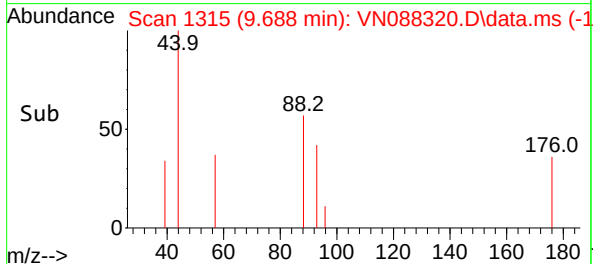
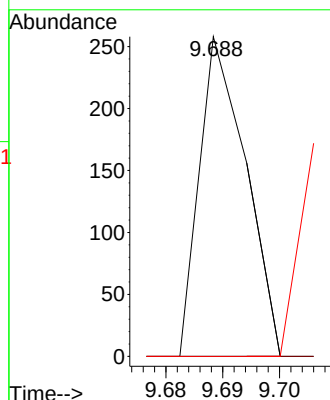
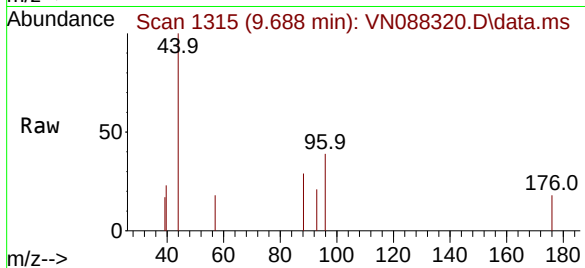
Tgt Ion: 88 Resp: 146

Ion Ratio Lower Upper

88 100

43 91.1 27.8 41.8#

58 0.0 59.5 89.3#



#50

1,1,2-Trichloroethane

Concen: 3.991 ug/l

RT: 10.553 min Scan# 1462

Delta R.T. -0.441 min

Lab File: VN088320.D

Acq: 20 Nov 2025 10:43

Tgt Ion: 97 Resp: 12412

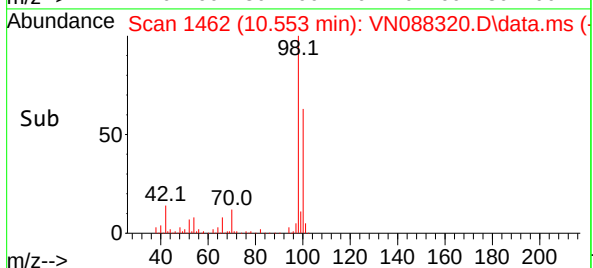
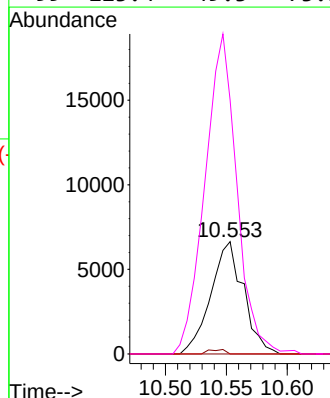
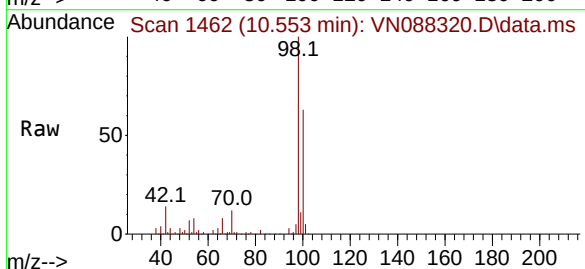
Ion Ratio Lower Upper

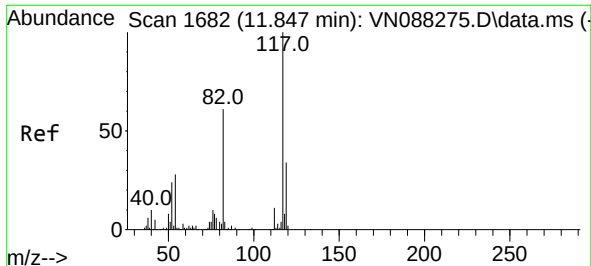
97 100

83 0.0 68.6 102.8#

85 0.0 49.0 73.6#

99 223.4 49.3 73.9#

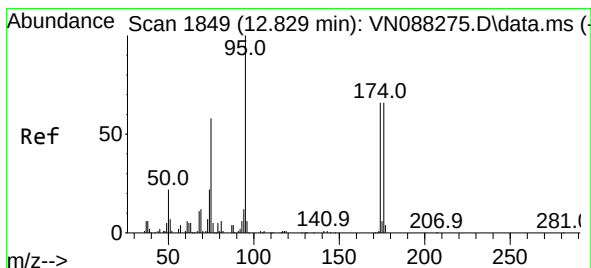
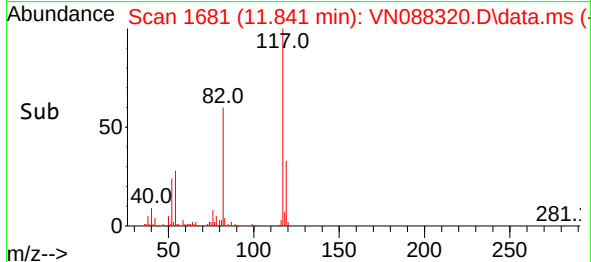
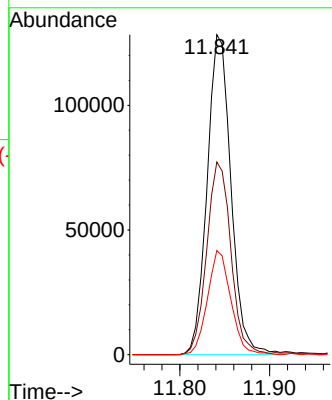
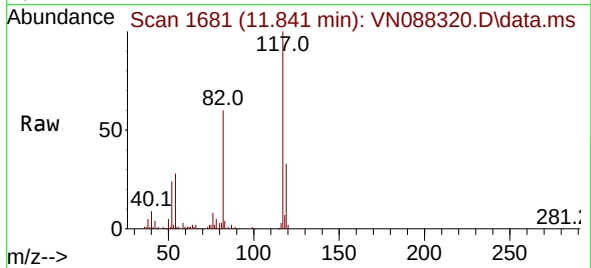




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088320.D
Acq: 20 Nov 2025 10:43

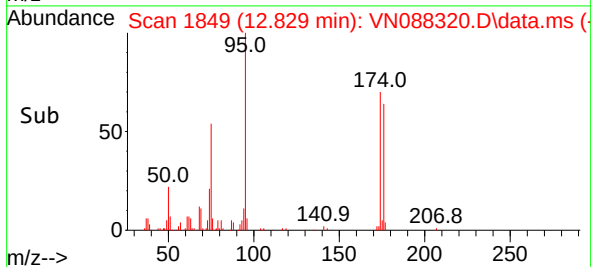
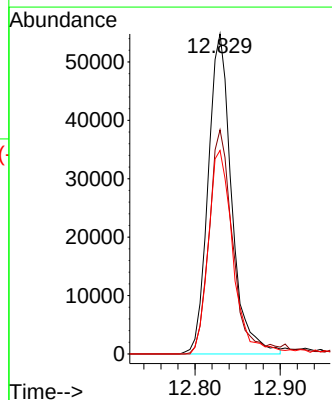
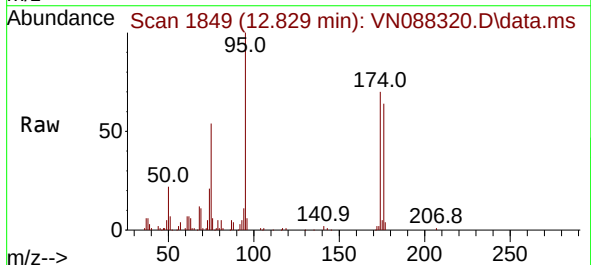
Instrument :
MSVOA_N
ClientSampleId :

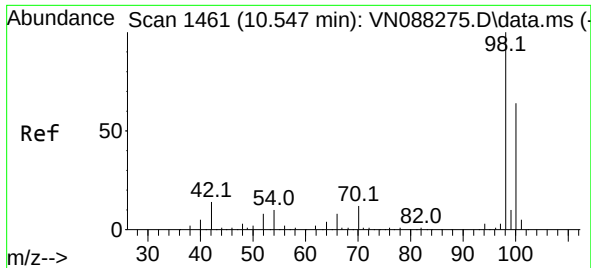
Tgt Ion:117 Resp: 237385
Ion Ratio Lower Upper
117 100
82 60.9 49.3 73.9
119 31.9 26.4 39.6



#60
4-Bromofluorobenzene
Concen: 26.117 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN088320.D
Acq: 20 Nov 2025 10:43

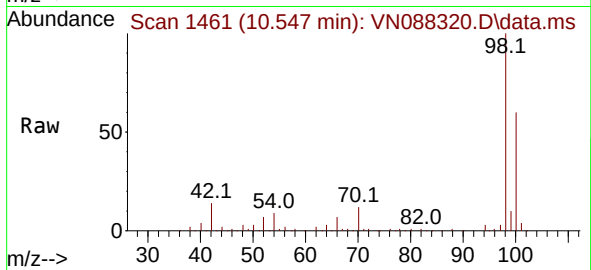
Tgt Ion: 95 Resp: 104805
Ion Ratio Lower Upper
95 100
174 69.5 54.5 81.7
176 64.4 53.8 80.6



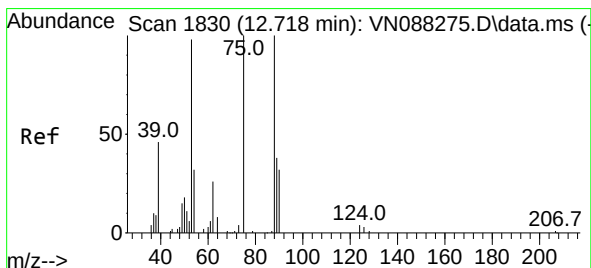
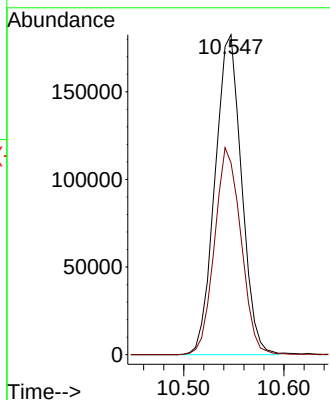
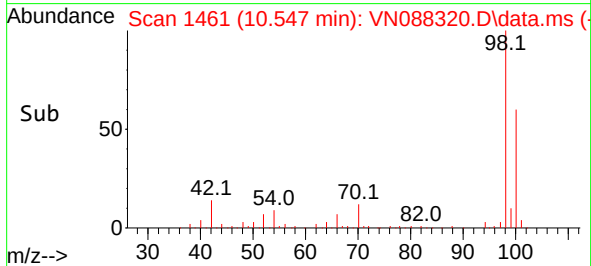


#63
Toluene-d8
Concen: 29.927 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088320.D
Acq: 20 Nov 2025 10:43

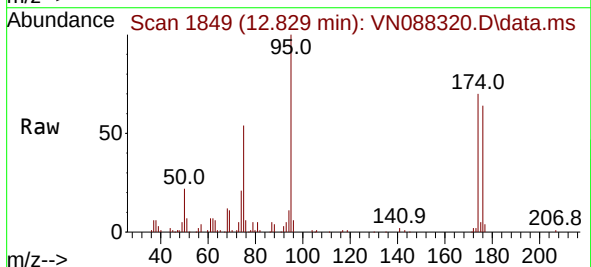
Instrument :
MSVOA_N
ClientSampleId :



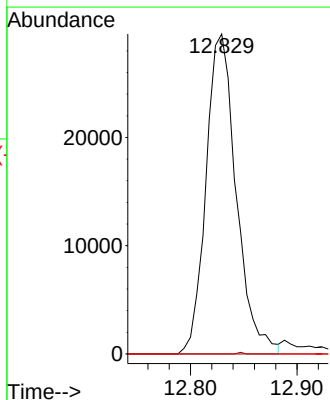
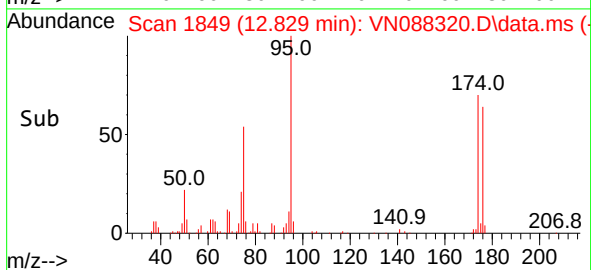
Tgt Ion: 98 Resp: 336342
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4

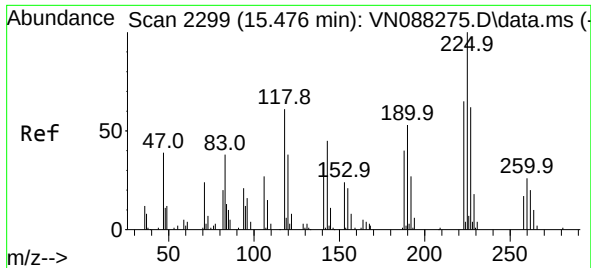


#77
t-1,4-Dichloro-2-butene
Concen: 38.541 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088320.D
Acq: 20 Nov 2025 10:43



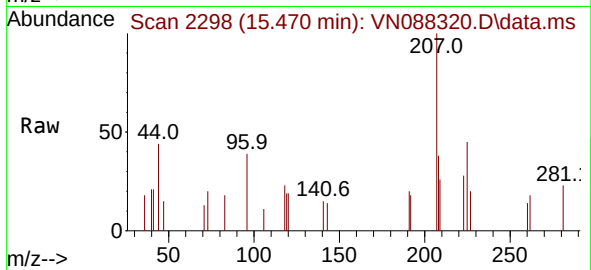
Tgt Ion: 75 Resp: 58301
Ion Ratio Lower Upper
75 100
53 0.0 50.0 150.0#
89 0.0 22.3 66.9#





#90
 Hexachlorobutadiene
 Concen: 0.679 ug/l
 RT: 15.470 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN088320.D
 Acq: 20 Nov 2025 10:43

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	225	Resp:	860
Ion	Ratio	Lower	Upper
225	100		
223	71.4	0.0	132.0
227	56.7	0.0	132.6

