

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050824\
 Data File : VN082027.D
 Acq On : 08 May 2024 11:21
 Operator : JC\MD
 Sample : VN0508WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0508WBL01

Quant Time: May 09 01:02:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

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

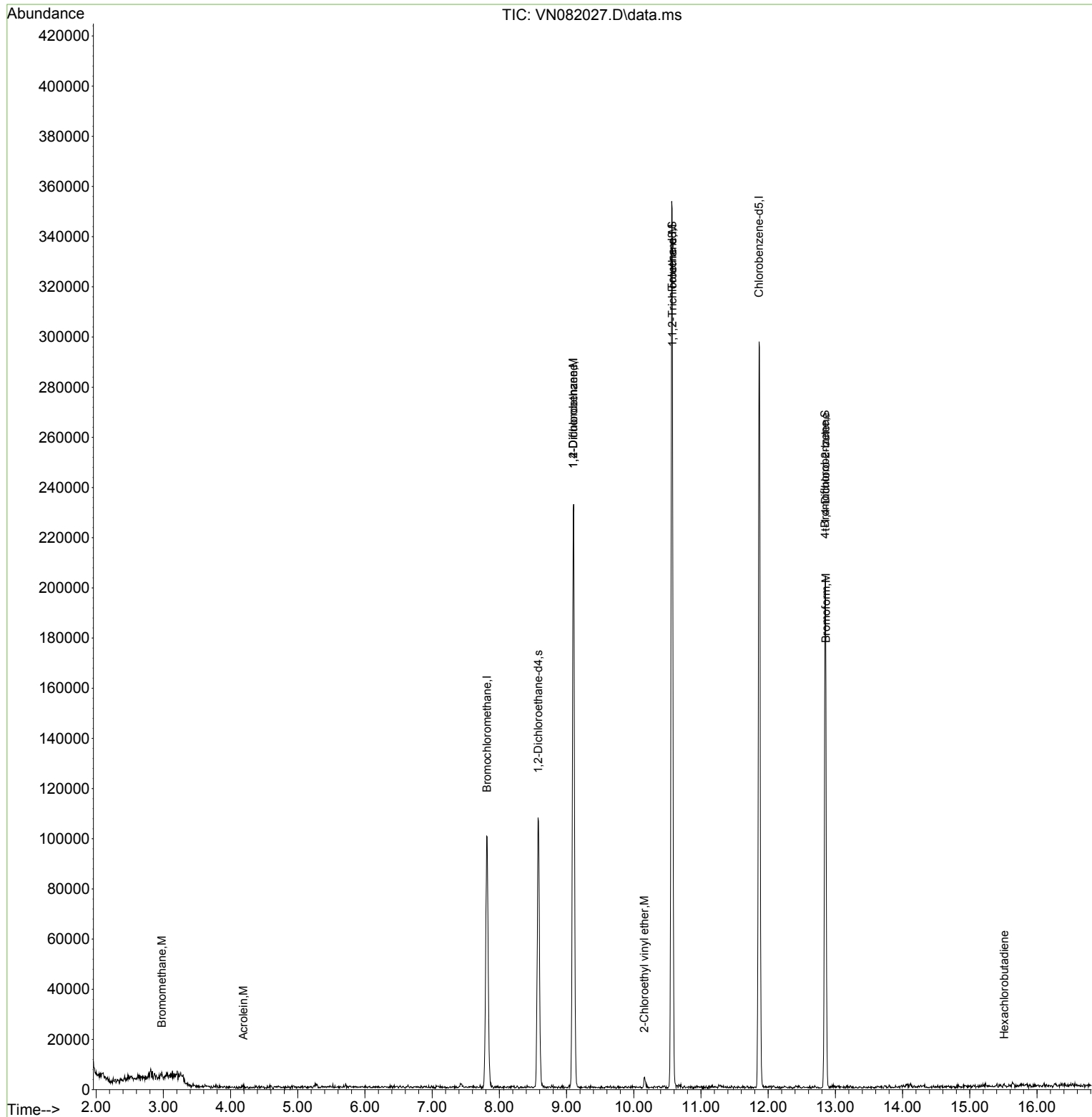
Internal Standards						
1) Bromochloromethane	7.818	128	32096	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	193745	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	161954	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	86579	32.219	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.400%
60) 4-Bromofluorobenzene	12.847	95	72966	27.072	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.233%
63) Toluene-d8	10.571	98	237304	30.854	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.833%
Target Compounds						
					Qvalue	
5) Bromomethane	2.977	94	343	0.329	ug/l #	63
13) Acrolein	4.189	56	218	0.418	ug/l	88
36) 1,2-Dichloroethane	9.100	62	8275	2.679	ug/l #	72
50) 1,1,2-Trichloroethane	10.576	97	8281	4.024	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.159	63	1709	0.880	ug/l #	89
56) Bromoform	12.859	173	405	0.297	ug/l #	35
77) t-1,4-Dichloro-2-butene	12.853	75	43784	39.292	ug/l #	12
90) Hexachlorobutadiene	15.511	225	150	0.206	ug/l #	19

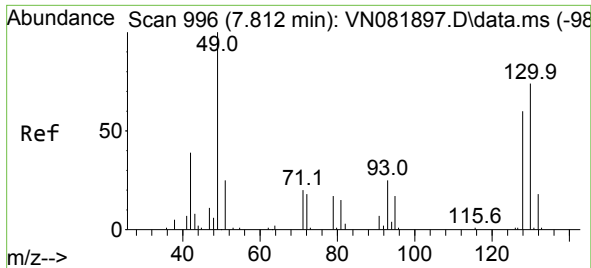
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 09 01:02:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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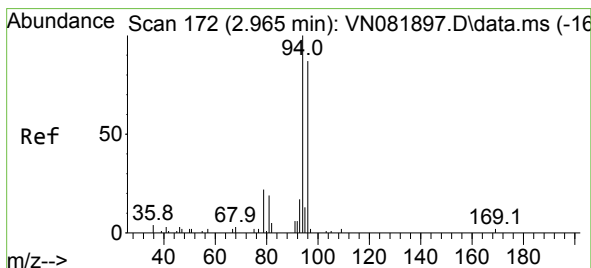
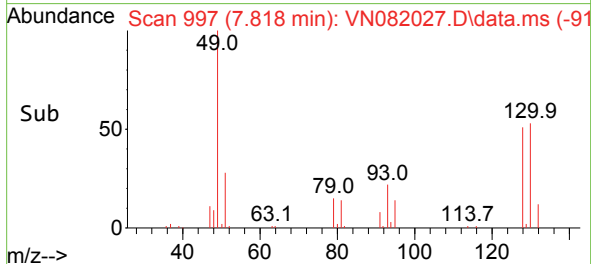
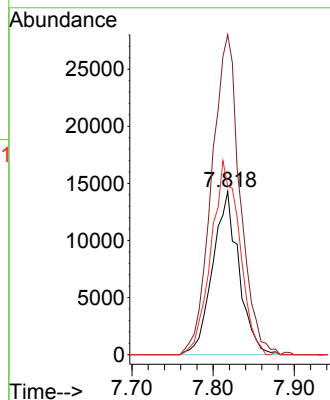
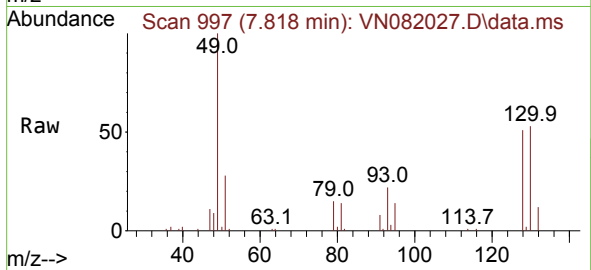




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN082027.D
Acq: 08 May 2024 11:21

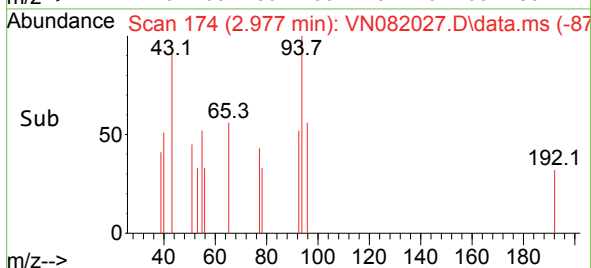
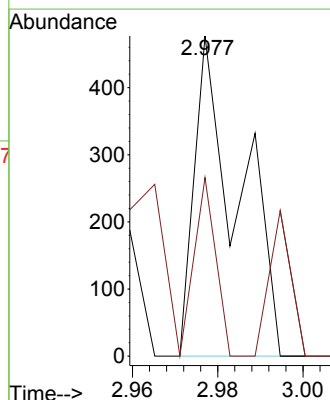
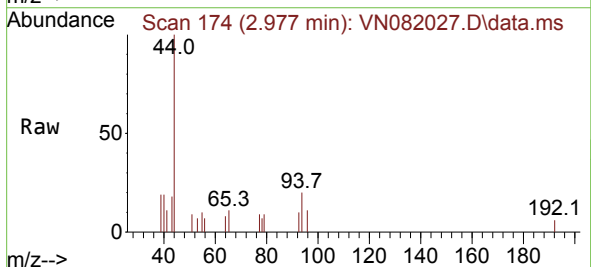
Instrument :
MSVOA_N
ClientSampleId :
VN0508WBL01

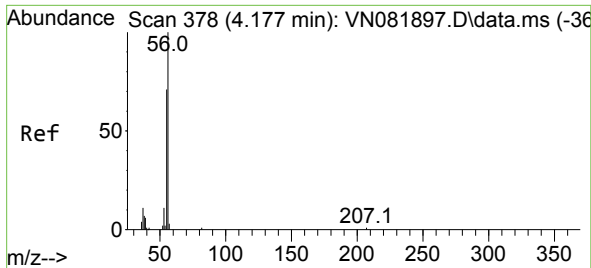
Tgt Ion:128 Resp: 32096
Ion Ratio Lower Upper
128 100
49 212.0 0.0 403.7
130 128.4 0.0 323.3



#5
Bromomethane
Concen: 0.329 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.012 min
Lab File: VN082027.D
Acq: 08 May 2024 11:21

Tgt Ion: 94 Resp: 343
Ion Ratio Lower Upper
94 100
96 55.8 72.8 109.2#

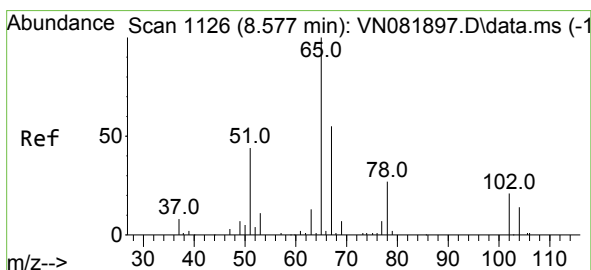
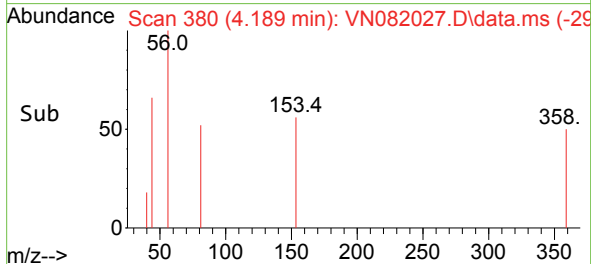
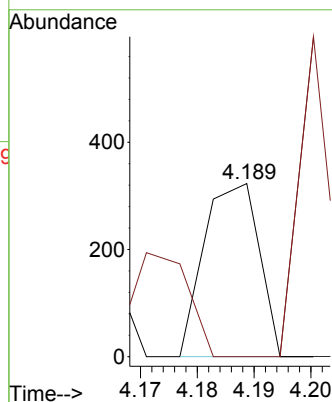
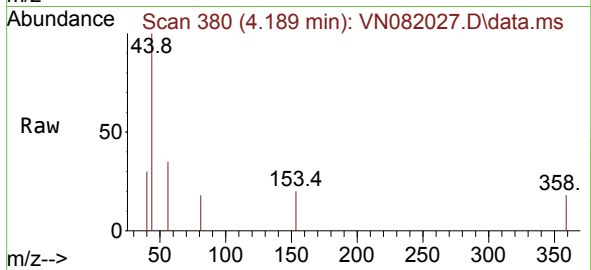




#13
Acrolein
Concen: 0.418 ug/l
RT: 4.189 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN082027.D
Acq: 08 May 2024 11:21

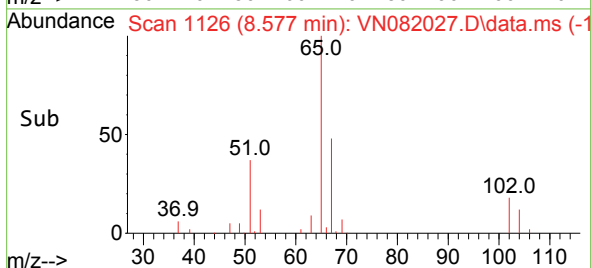
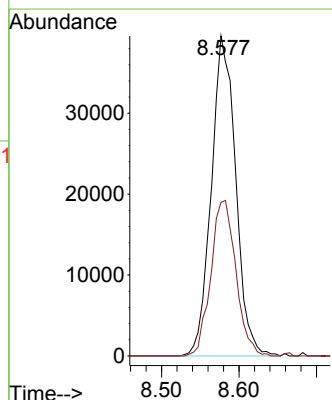
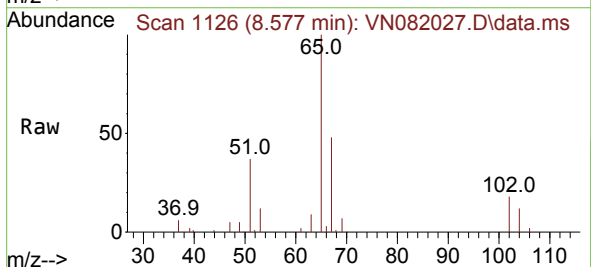
Instrument :
MSVOA_N
ClientSampleId :
VN0508WBL01

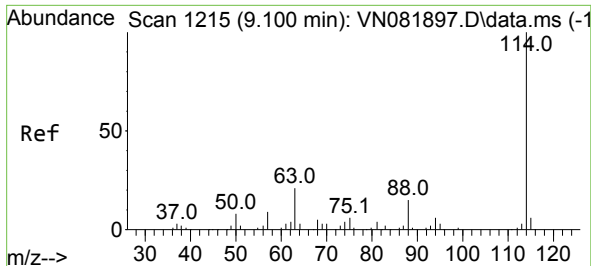
Tgt Ion: 56 Resp: 218
Ion Ratio Lower Upper
56 100
55 59.6 55.5 83.3



#27
1,2-Dichloroethane-d4
Concen: 32.219 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN082027.D
Acq: 08 May 2024 11:21

Tgt Ion: 65 Resp: 86579
Ion Ratio Lower Upper
65 100
67 50.0 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN082027.D

Acq: 08 May 2024 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN0508WBL01

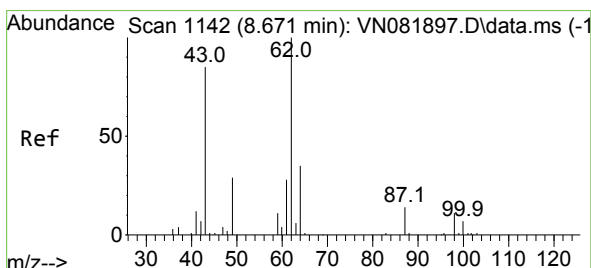
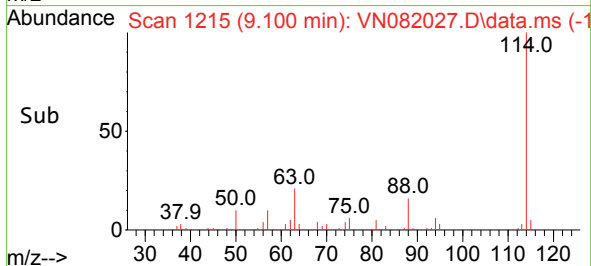
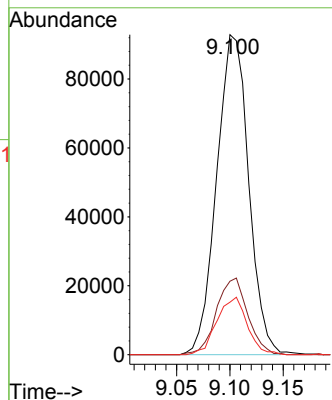
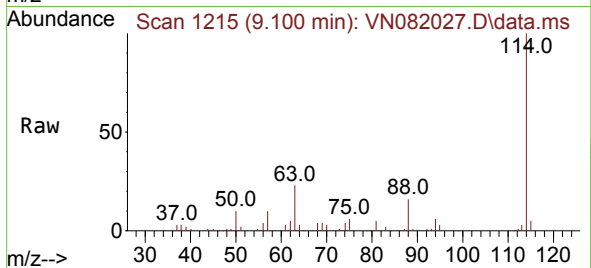
Tgt Ion:114 Resp: 193745

Ion Ratio Lower Upper

114 100

63 23.4 15.9 23.9

88 17.1 12.7 19.1



#36

1,2-Dichloroethane

Concen: 2.679 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.429 min

Lab File: VN082027.D

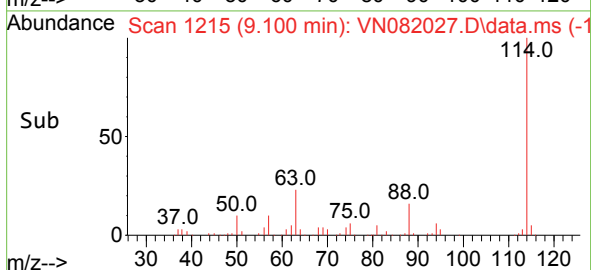
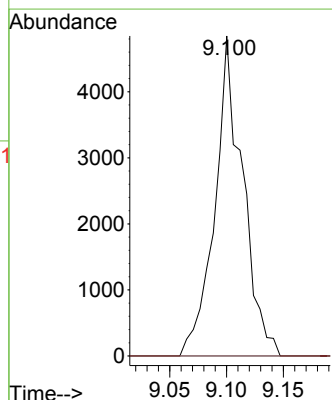
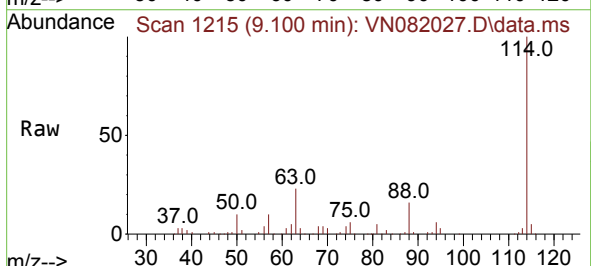
Acq: 08 May 2024 11:21

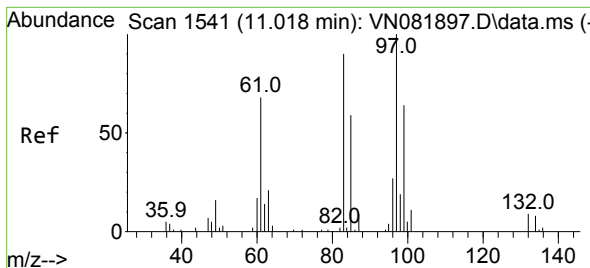
Tgt Ion: 62 Resp: 8275

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#





#50

1,1,2-Trichloroethane

Concen: 4.024 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. -0.441 min

Lab File: VN082027.D

Acq: 08 May 2024 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN0508WBL01

Tgt Ion: 97 Resp: 8281

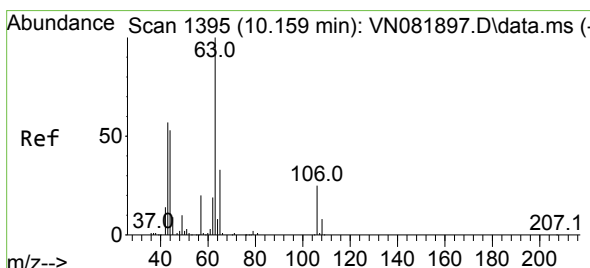
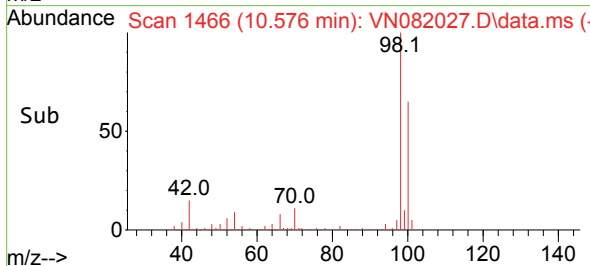
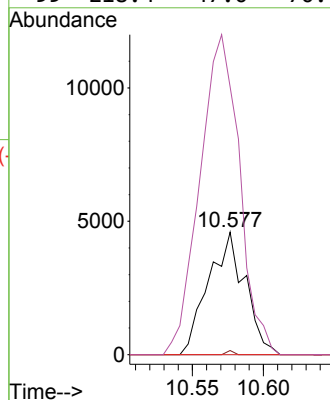
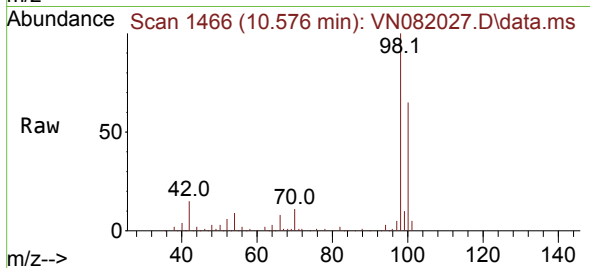
Ion Ratio Lower Upper

97 100

83 3.4 68.1 102.1#

85 0.0 41.8 62.6#

99 218.4 47.0 70.4#



#55

2-Chloroethyl vinyl ether

Concen: 0.880 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN082027.D

Acq: 08 May 2024 11:21

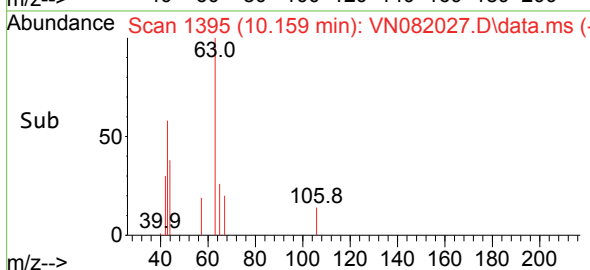
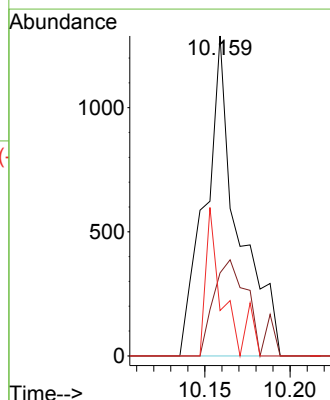
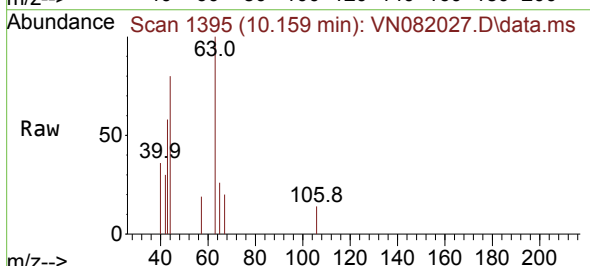
Tgt Ion: 63 Resp: 1709

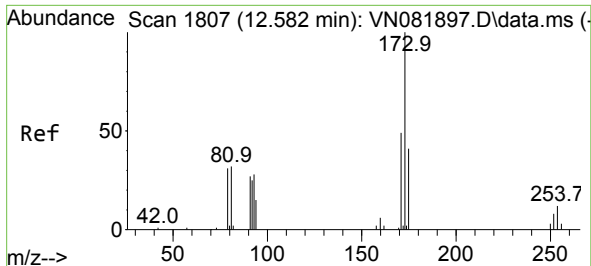
Ion Ratio Lower Upper

63 100

65 29.8 26.2 39.2

106 20.7 23.8 35.8#

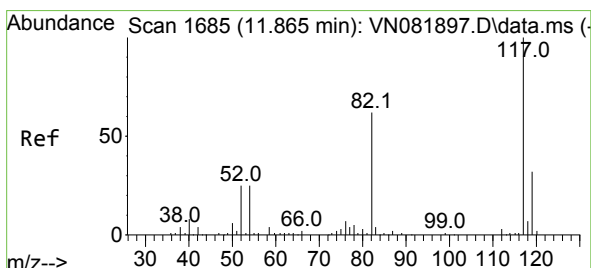
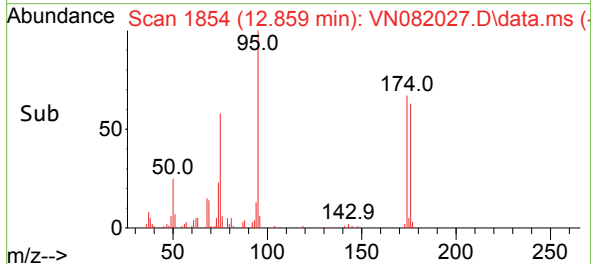
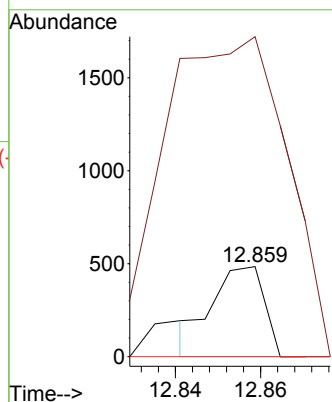
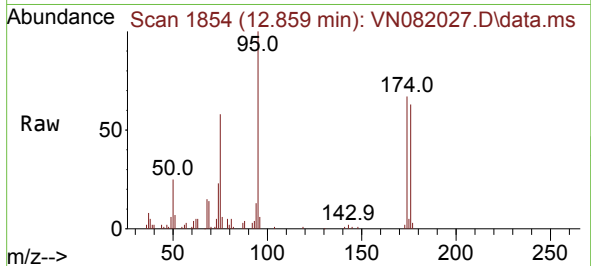




#56
Bromoform
Concen: 0.297 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.276 min
Lab File: VN082027.D
Acq: 08 May 2024 11:21

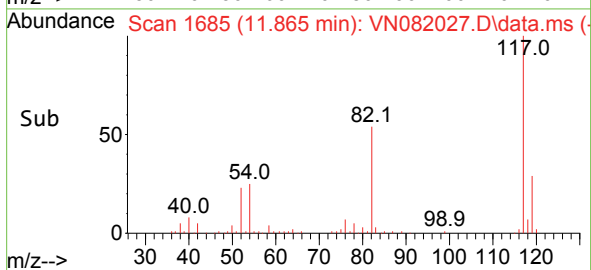
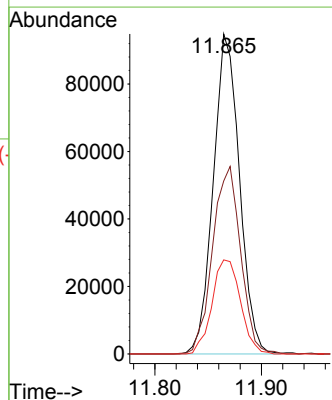
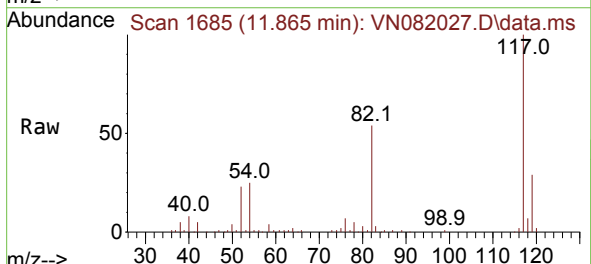
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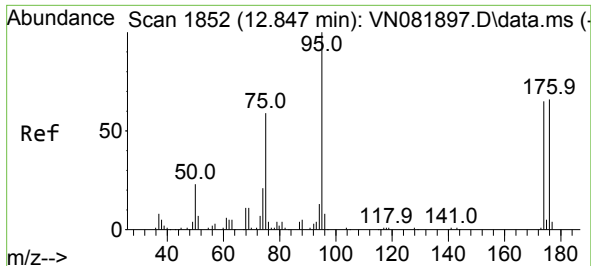
Tgt Ion:173 Resp: 405
Ion Ratio Lower Upper
173 100
175 0.0 40.0 60.0#
254 0.0 8.3 12.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082027.D
Acq: 08 May 2024 11:21

Tgt Ion:117 Resp: 161954
Ion Ratio Lower Upper
117 100
82 62.7 46.6 69.8
119 32.0 25.4 38.2

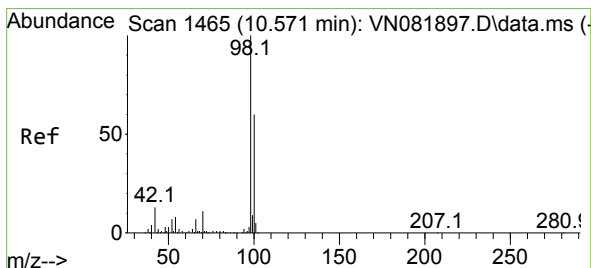
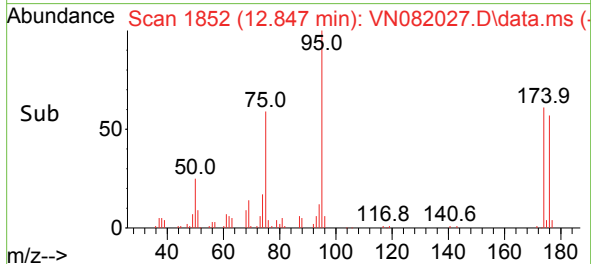
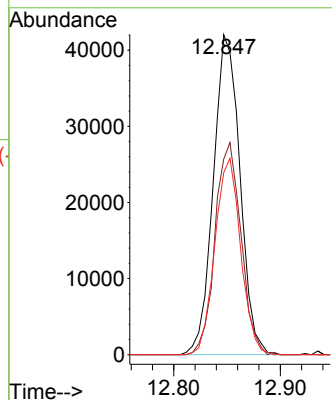
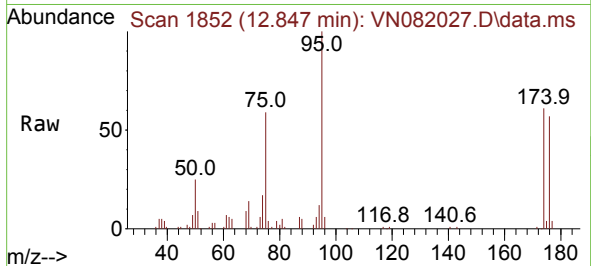




#60
4-Bromofluorobenzene
Concen: 27.072 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082027.D
Acq: 08 May 2024 11:21

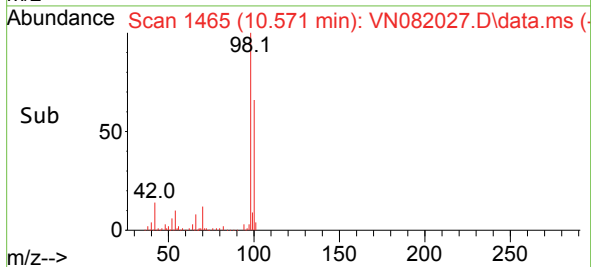
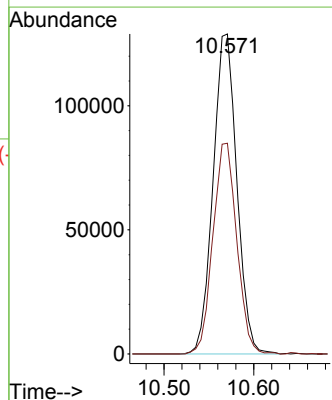
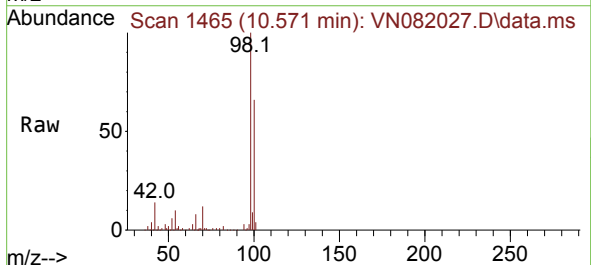
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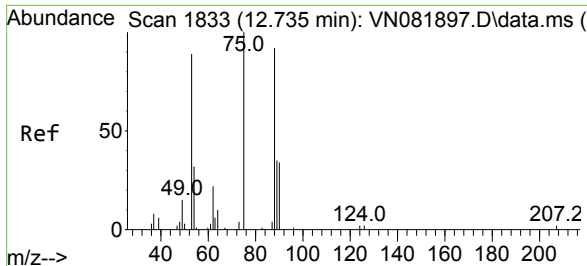
Tgt Ion: 95 Resp: 72966
Ion Ratio Lower Upper
95 100
174 64.4 60.5 90.7
176 59.3 57.8 86.6



#63
Toluene-d8
Concen: 30.854 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082027.D
Acq: 08 May 2024 11:21

Tgt Ion: 98 Resp: 237304
Ion Ratio Lower Upper
98 100
100 65.9 52.7 79.1





#77

t-1,4-Dichloro-2-butene

Concen: 39.292 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN082027.D

Acq: 08 May 2024 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN0508WBL01

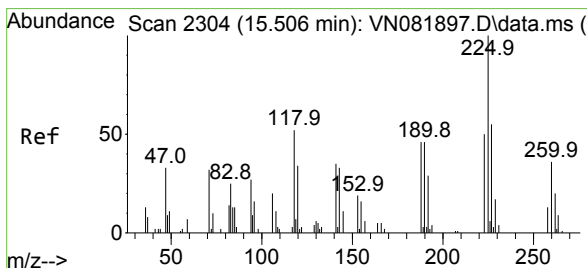
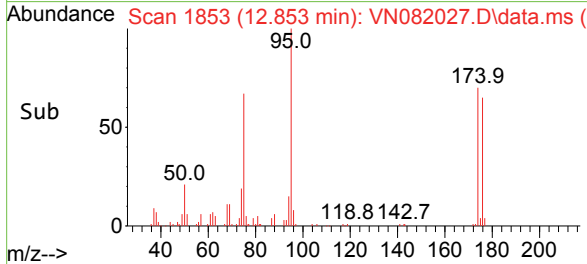
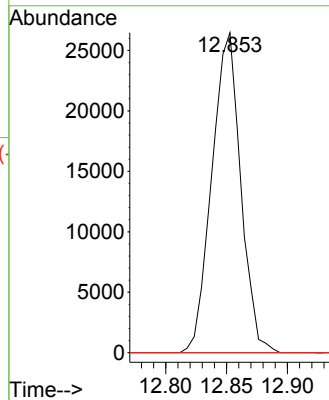
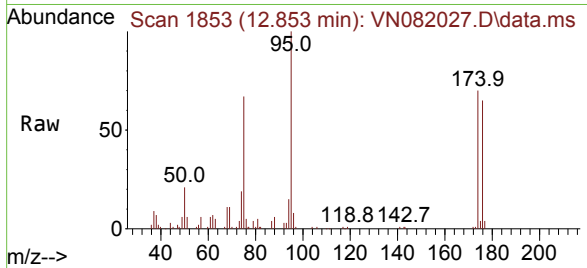
Tgt Ion: 75 Resp: 43784

Ion Ratio Lower Upper

75 100

53 0.0 45.9 137.7#

89 0.0 25.9 77.7#



#90

Hexachlorobutadiene

Concen: 0.206 ug/l

RT: 15.511 min Scan# 2305

Delta R.T. 0.006 min

Lab File: VN082027.D

Acq: 08 May 2024 11:21

Tgt Ion: 225 Resp: 150

Ion Ratio Lower Upper

225 100

223 0.0 0.0 126.6

227 0.0 0.0 126.6

