

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
 Data File : VN082110.D
 Acq On : 13 May 2024 20:44
 Operator : JC\MD
 Sample : P2443-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240508035-05RE

Quant Time: May 14 03:37:21 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)

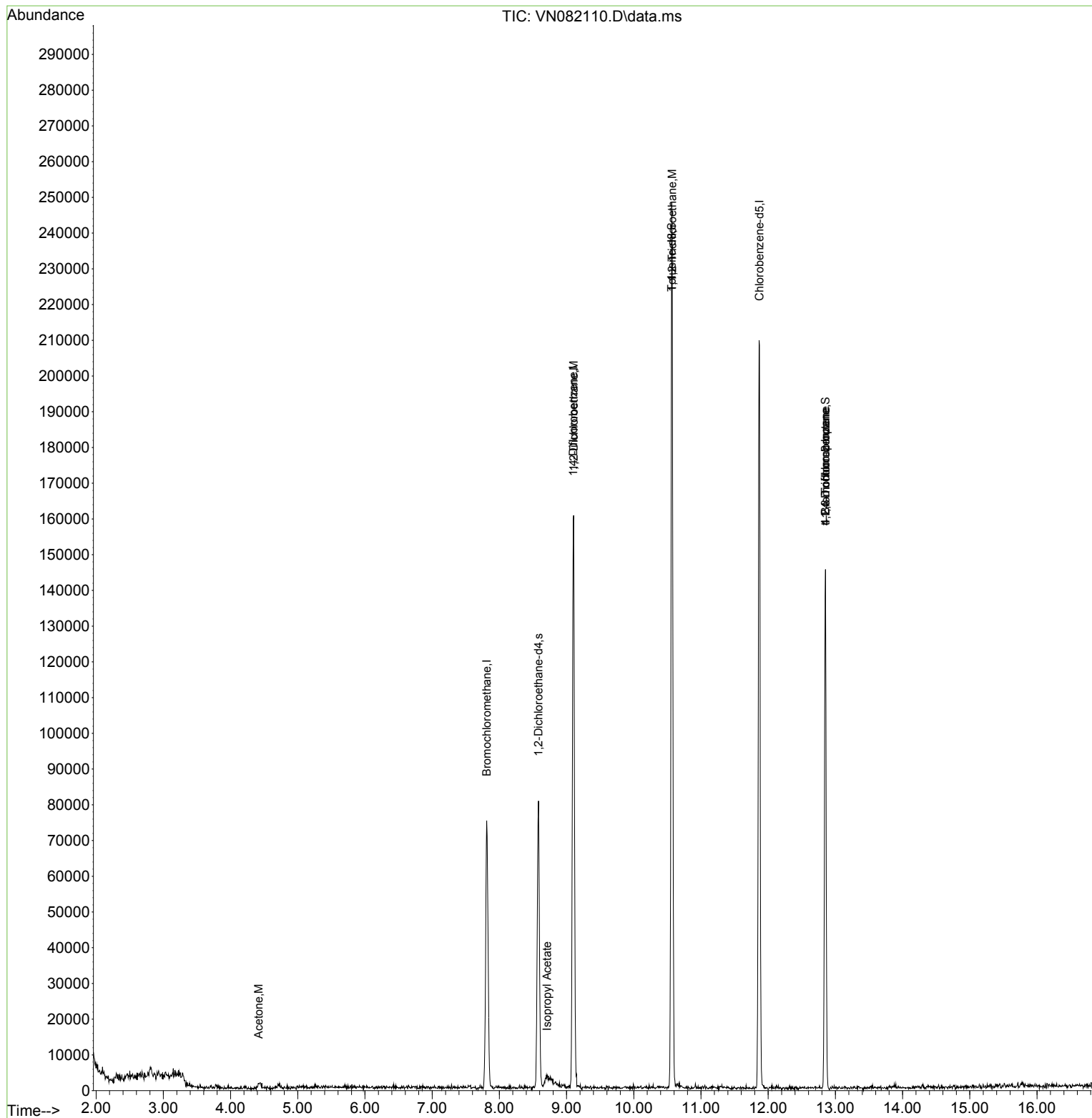
Internal Standards						
1) Bromochloromethane	7.812	128	21546	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	128704	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.870	117	110517	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	60444	33.507	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	111.700%#
60) 4-Bromofluorobenzene	12.853	95	47703	25.936	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.467%
63) Toluene-d8	10.565	98	160824	30.642	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.133%
Target Compounds						
					Qvalue	
15) Acetone	4.418	58	156	0.926	ug/l	# 1
36) 1,2-Dichloroethane	9.106	62	5367	2.615	ug/l	# 72
44) Isopropyl Acetate	8.712	43	1192	0.312	ug/l	# 43
50) 1,1,2-Trichloroethane	10.571	97	5056	3.699	ug/l	# 1
72) 1,2,3-Trichloropropane	12.853	75	29016	16.984	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	29016	38.158	ug/l	# 12

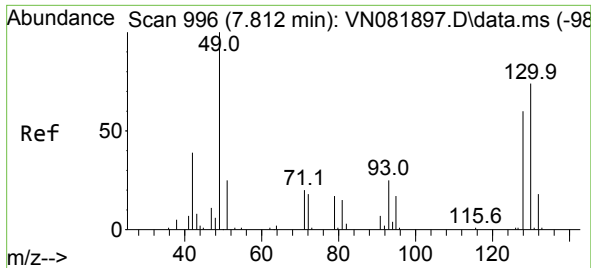
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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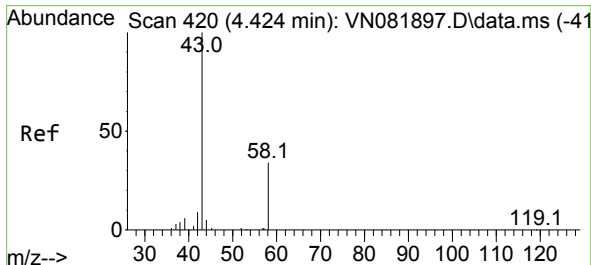
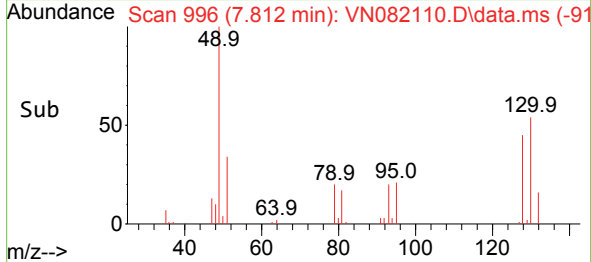
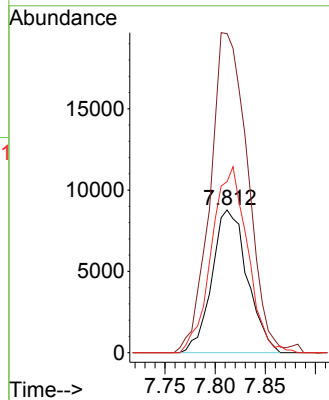
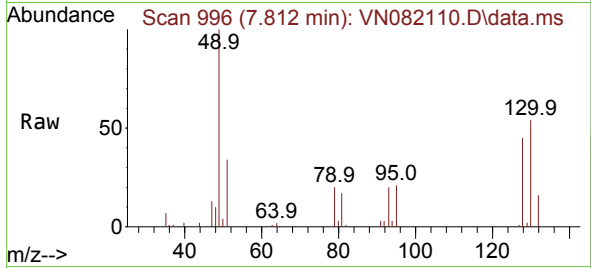




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN082110.D
Acq: 13 May 2024 20:44

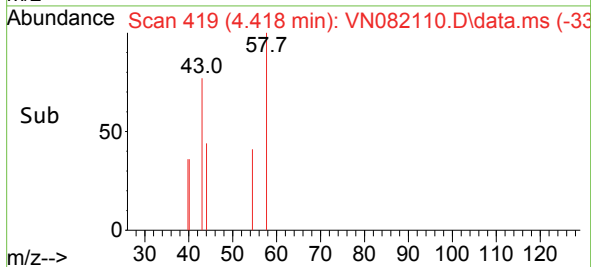
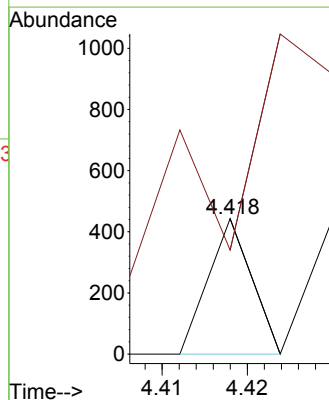
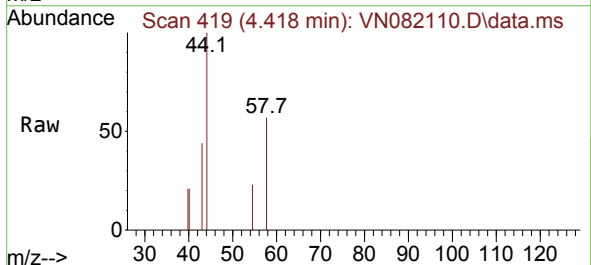
Instrument :
MSVOA_N
ClientSampleId :
240508035-05RE

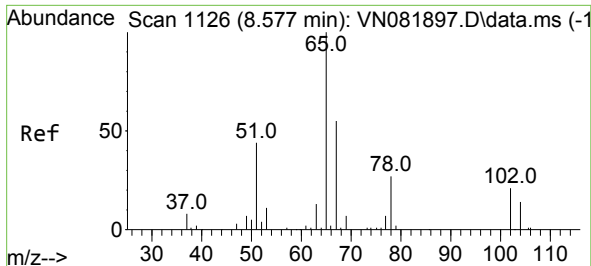
Tgt Ion:128 Resp: 21546
Ion Ratio Lower Upper
128 100
49 236.7 0.0 403.7
130 132.3 0.0 323.3



#15
Acetone
Concen: 0.926 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN082110.D
Acq: 13 May 2024 20:44

Tgt Ion: 58 Resp: 156
Ion Ratio Lower Upper
58 100
43 0.0 223.1 334.7#

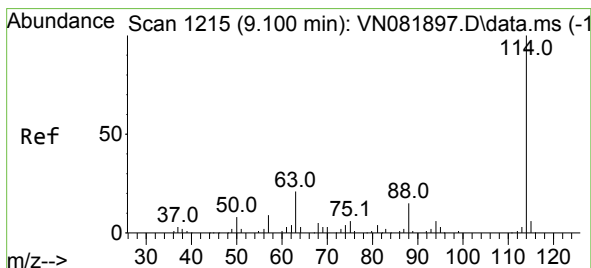
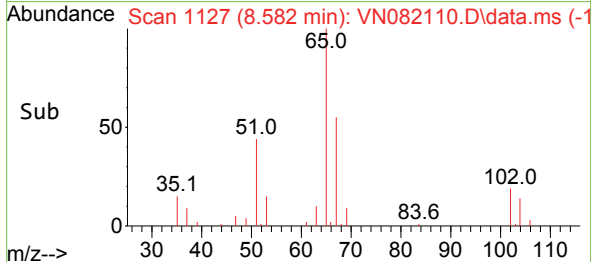
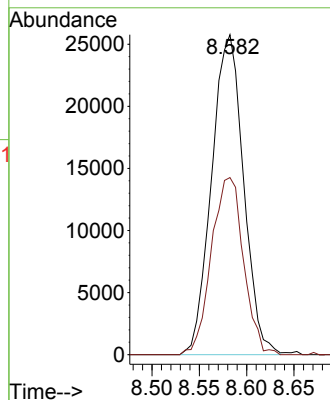
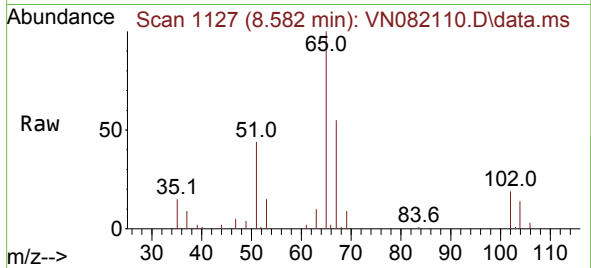




#27
1,2-Dichloroethane-d4
Concen: 33.507 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082110.D
Acq: 13 May 2024 20:44

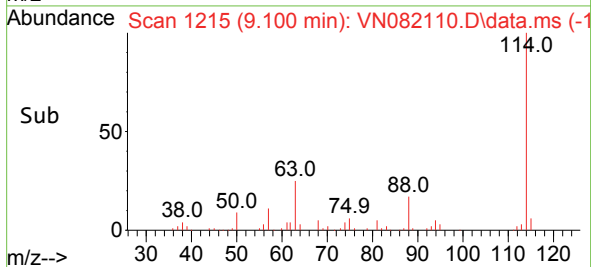
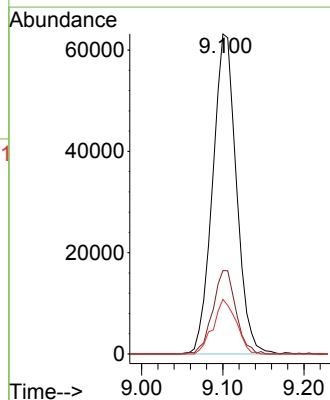
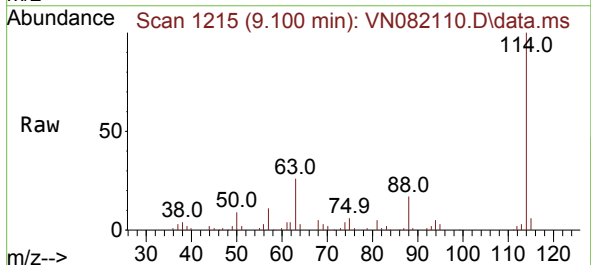
Instrument :
MSVOA_N
ClientSampleId :
240508035-05RE

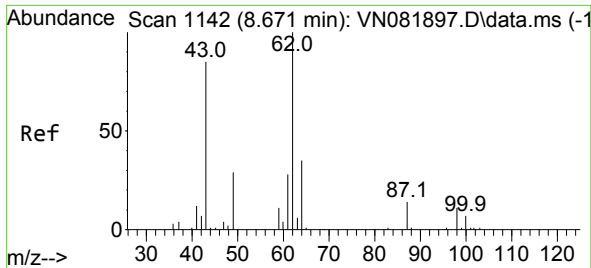
Tgt Ion: 65 Resp: 60444
Ion Ratio Lower Upper
65 100
67 55.2 43.2 64.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN082110.D
Acq: 13 May 2024 20:44

Tgt Ion: 114 Resp: 128704
Ion Ratio Lower Upper
114 100
63 25.4 15.9 23.9#
88 16.5 12.7 19.1





#36

1,2-Dichloroethane

Concen: 2.615 ug/l

RT: 9.106 min Scan# 1142

Delta R.T. 0.435 min

Lab File: VN082110.D

Acq: 13 May 2024 20:44

Instrument :

MSVOA_N

ClientSampleId :

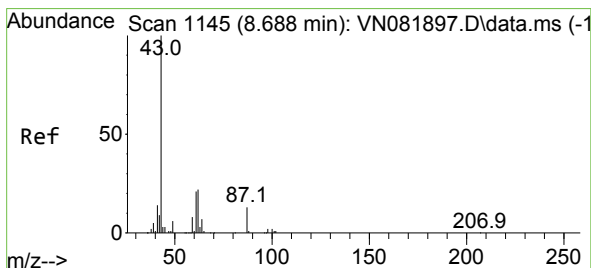
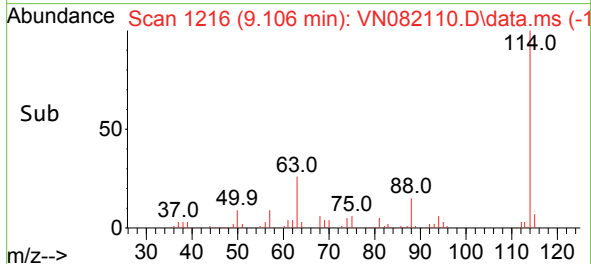
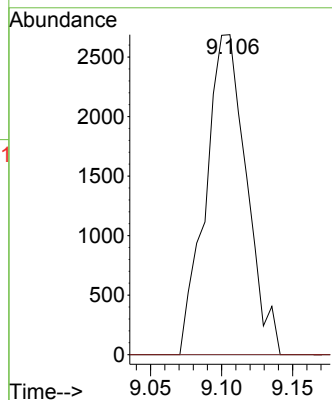
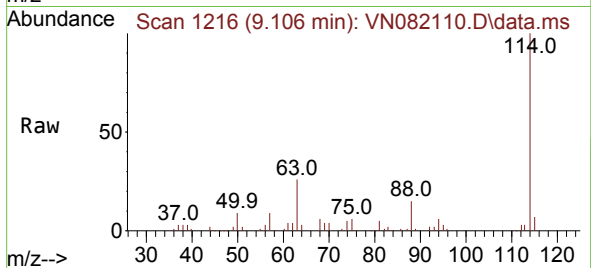
240508035-05RE

Tgt Ion: 62 Resp: 5367

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



#44

Isopropyl Acetate

Concen: 0.312 ug/l

RT: 8.712 min Scan# 1149

Delta R.T. 0.023 min

Lab File: VN082110.D

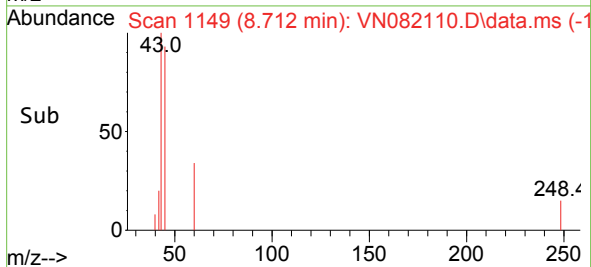
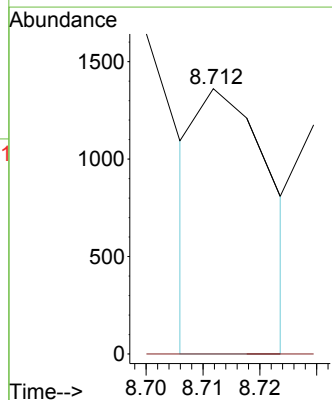
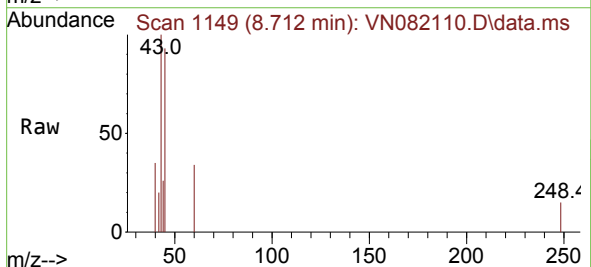
Acq: 13 May 2024 20:44

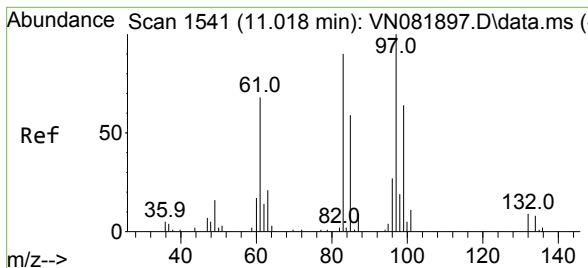
Tgt Ion: 43 Resp: 1192

Ion Ratio Lower Upper

43 100

61 0.0 25.0 37.4#





#50

1,1,2-Trichloroethane

Concen: 3.699 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.447 min

Lab File: VN082110.D

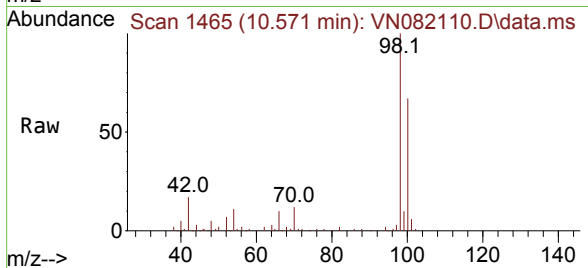
Acq: 13 May 2024 20:44

Instrument :

MSVOA_N

ClientSampleId :

240508035-05RE



Tgt Ion: 97 Resp: 5056

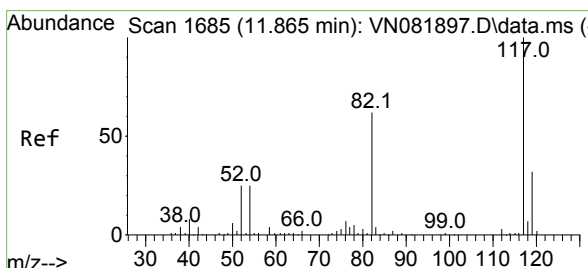
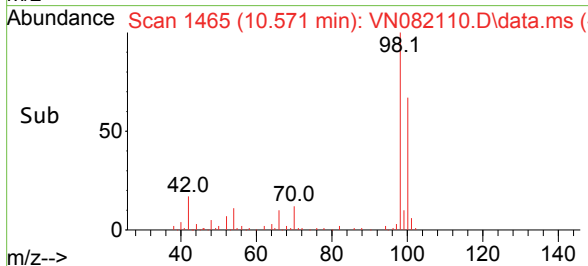
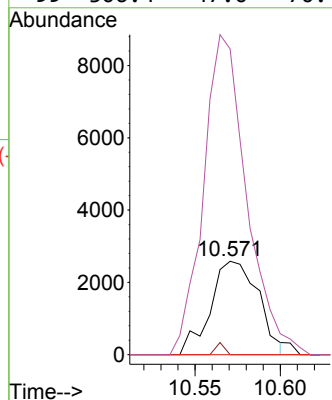
Ion Ratio Lower Upper

97 100

83 0.0 68.1 102.1#

85 0.0 41.8 62.6#

99 306.4 47.0 70.4#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.870 min Scan# 1686

Delta R.T. 0.006 min

Lab File: VN082110.D

Acq: 13 May 2024 20:44

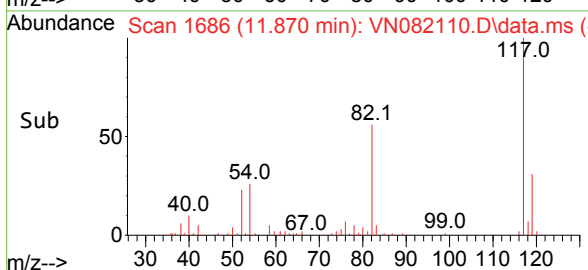
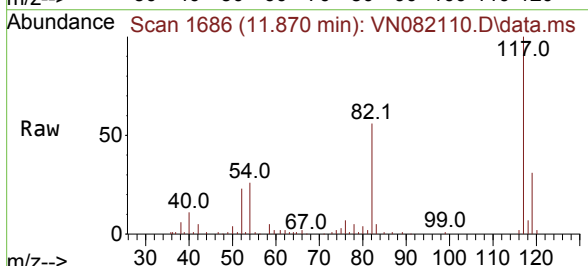
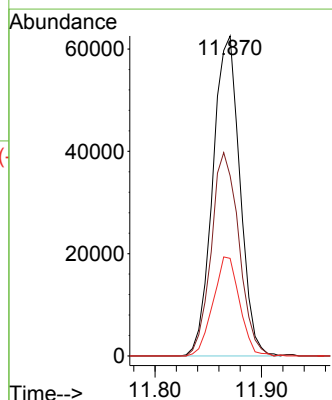
Tgt Ion: 117 Resp: 110517

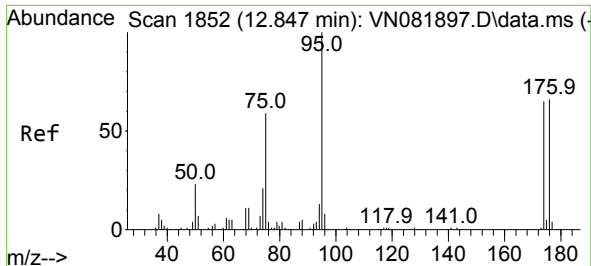
Ion Ratio Lower Upper

117 100

82 64.8 46.6 69.8

119 30.1 25.4 38.2

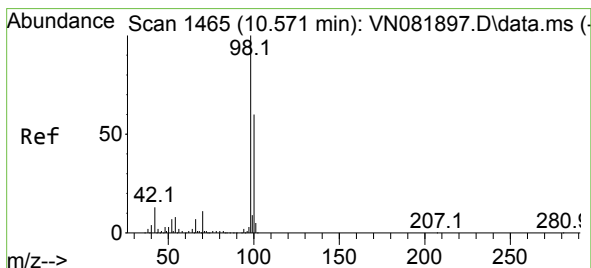
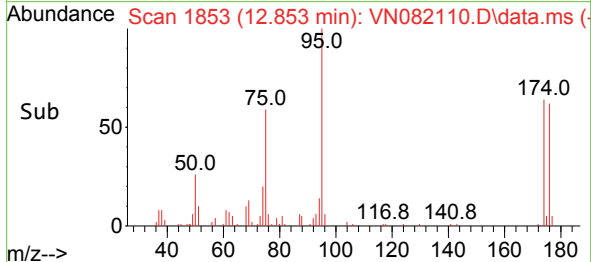
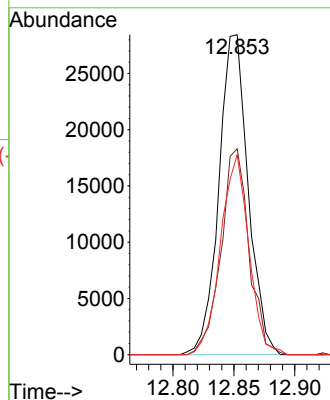
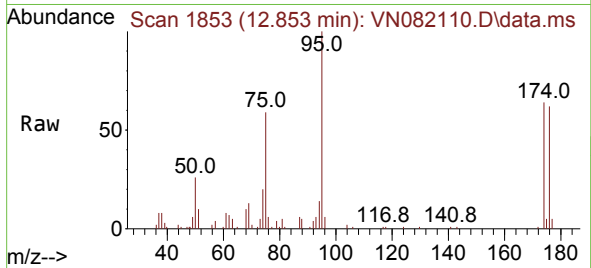




#60
 4-Bromofluorobenzene
 Concen: 25.936 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VN082110.D
 Acq: 13 May 2024 20:44

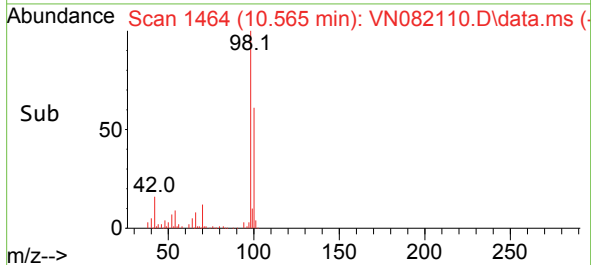
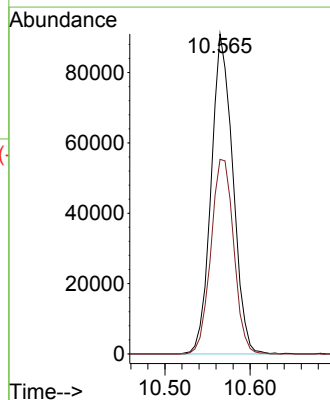
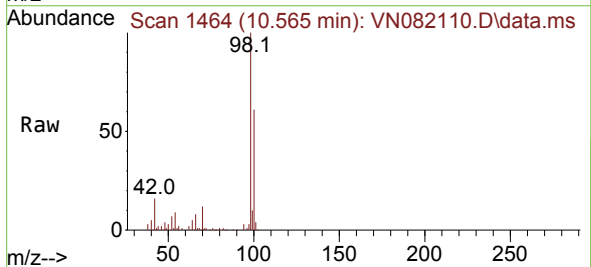
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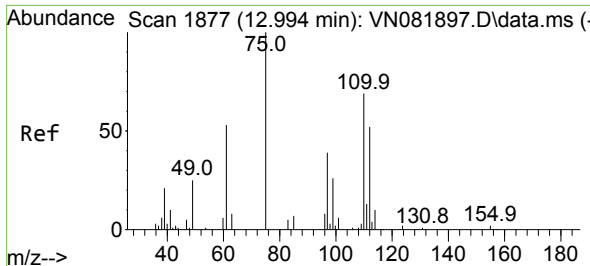
Tgt Ion: 95 Resp: 47703
 Ion Ratio Lower Upper
 95 100
 174 61.7 60.5 90.7
 176 60.3 57.8 86.6



#63
 Toluene-d8
 Concen: 30.642 ug/l
 RT: 10.565 min Scan# 1464
 Delta R.T. -0.006 min
 Lab File: VN082110.D
 Acq: 13 May 2024 20:44

Tgt Ion: 98 Resp: 160824
 Ion Ratio Lower Upper
 98 100
 100 63.9 52.7 79.1

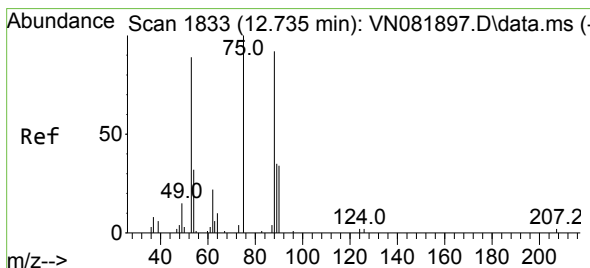
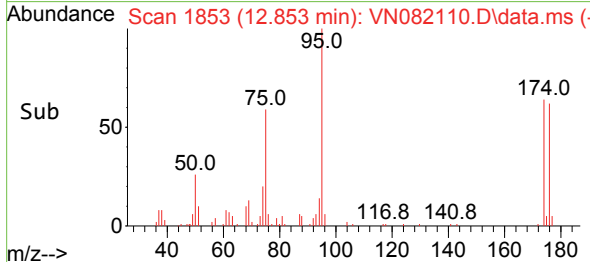
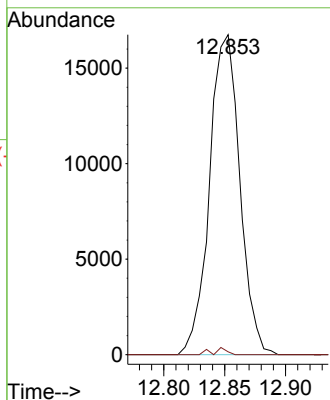
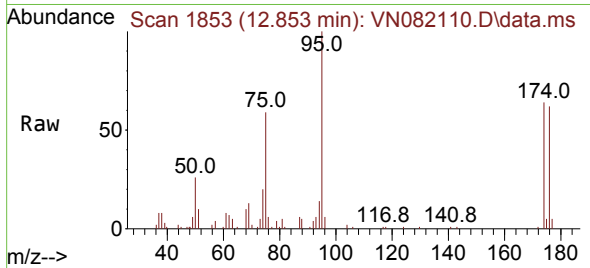




#72
1,2,3-Trichloropropane
Concen: 16.984 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082110.D
Acq: 13 May 2024 20:44

Instrument :
MSVOA_N
ClientSampleId :
240508035-05RE

Tgt Ion: 75 Resp: 29016
Ion Ratio Lower Upper
75 100
77 0.7 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 38.158 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.117 min
Lab File: VN082110.D
Acq: 13 May 2024 20:44

Tgt Ion: 75 Resp: 29016
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

