

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042224\
 Data File : VN081823.D
 Acq On : 22 Apr 2024 12:47
 Operator : JC\MD
 Sample : VN0422WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 23 06:56:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 11 09:25:01 2024
 Response via : Initial Calibration

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

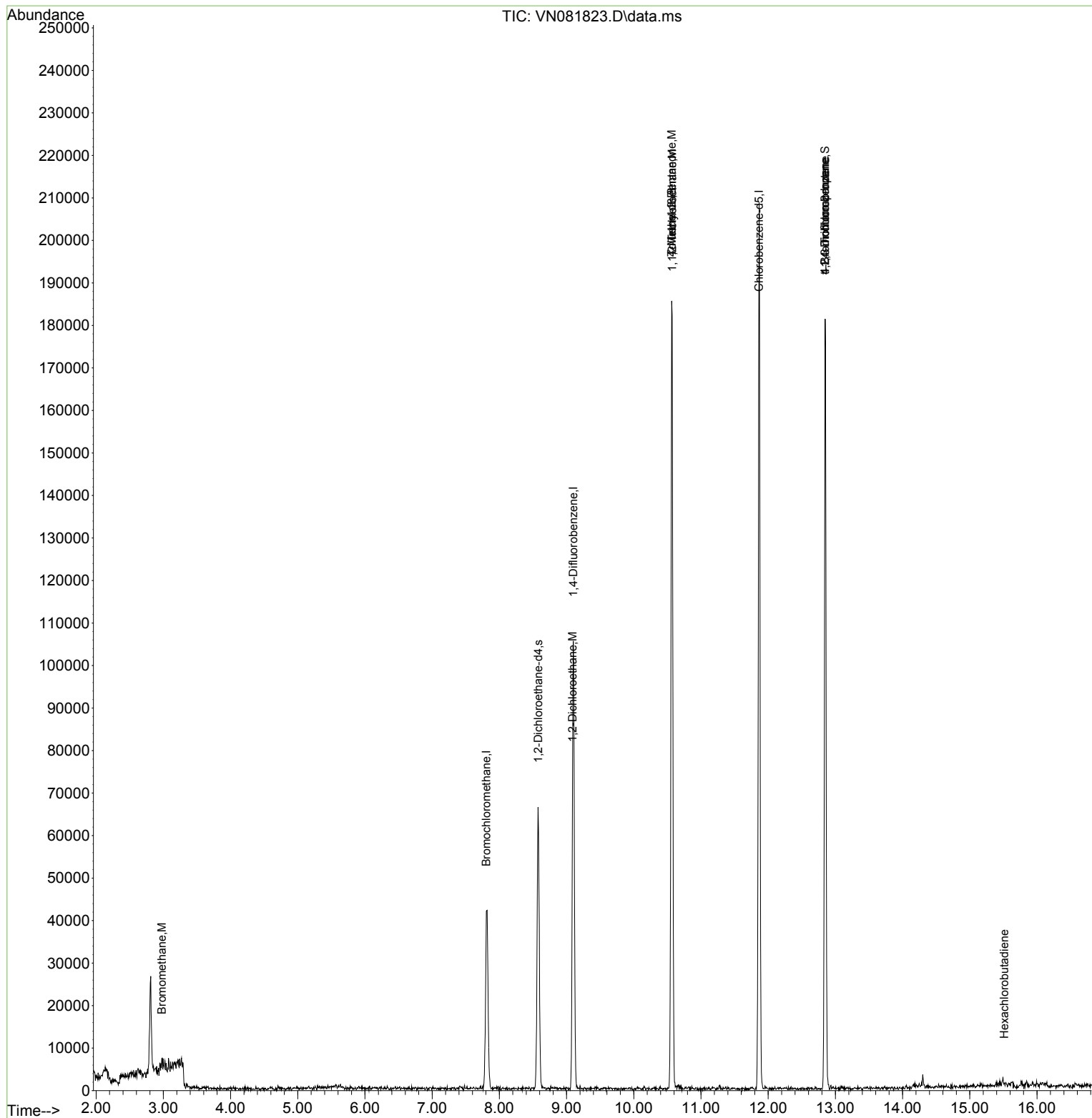
Internal Standards						
1) Bromochloromethane	7.806	128	15182	30.000	ug/l	-0.02
28) 1,4-Difluorobenzene	9.100	114	90171	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	113902	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	53164	28.505	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.000%
60) 4-Bromofluorobenzene	12.847	95	55110	24.610	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	82.033%
63) Toluene-d8	10.565	98	129841	28.419	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	94.733%
Target Compounds						
					Qvalue	
5) Bromomethane	2.977	94	913	0.570	ug/l #	79
36) 1,2-Dichloroethane	9.088	62	1711	0.683	ug/l #	72
50) 1,1,2-Trichloroethane	10.571	97	5110	2.689	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	512	0.261	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	32391	15.670	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	32391	37.839	ug/l #	12
90) Hexachlorobutadiene	15.511	225	207	0.250	ug/l #	19

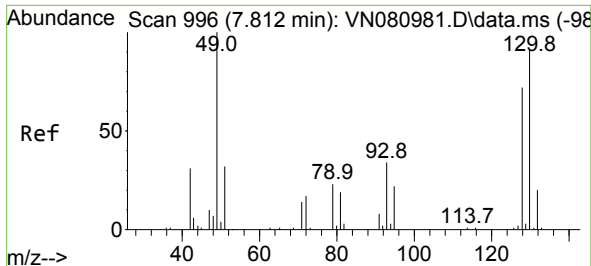
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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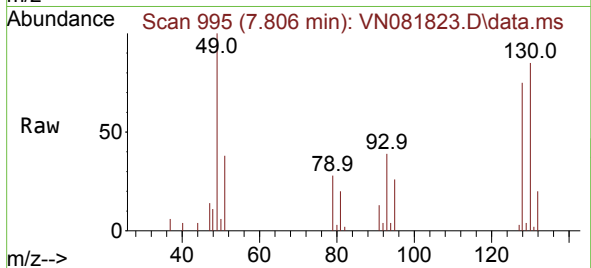
Quant Time: Apr 23 06:56:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 11 09:25:01 2024
Response via : Initial Calibration



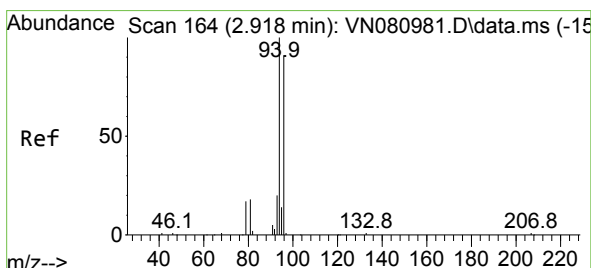
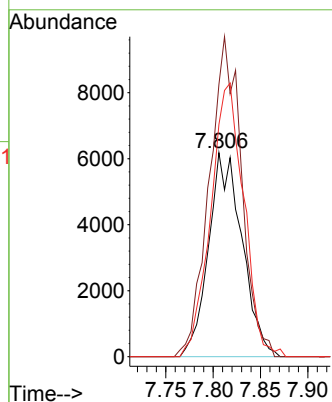
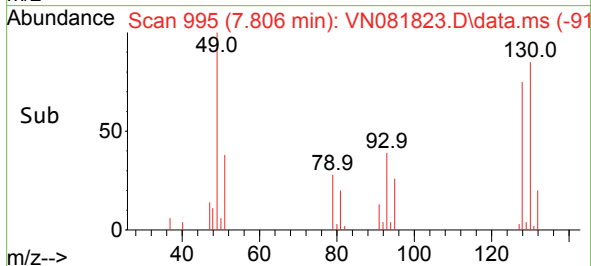


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 91
Delta R.T. -0.018 min
Lab File: VN081823.D
Acq: 22 Apr 2024 12:47

Instrument :
MSVOA_N
ClientSampleId :

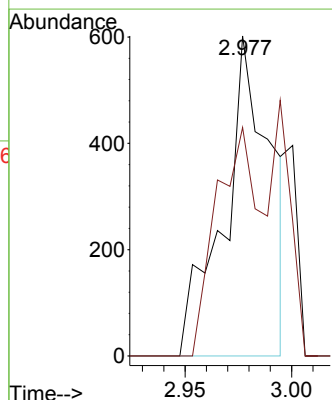
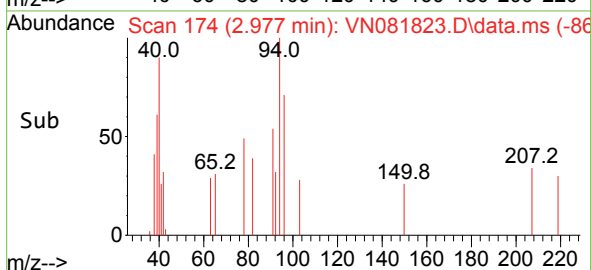
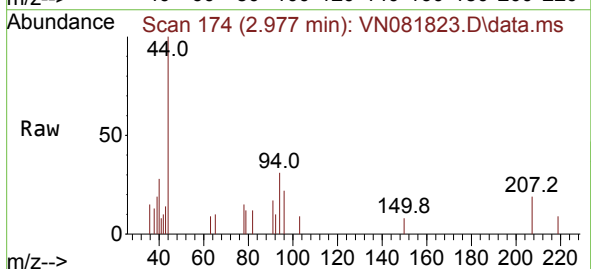


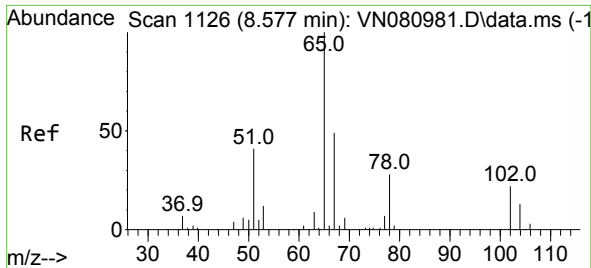
Tgt Ion:128 Resp: 15182
Ion Ratio Lower Upper
128 100
49 151.4 0.0 403.7
130 132.7 0.0 323.3



#5
Bromomethane
Concen: 0.570 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.018 min
Lab File: VN081823.D
Acq: 22 Apr 2024 12:47

Tgt Ion: 94 Resp: 913
Ion Ratio Lower Upper
94 100
96 71.4 72.8 109.2#





#27

1,2-Dichloroethane-d4

Concen: 28.505 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN081823.D

Acq: 22 Apr 2024 12:47

Instrument :

MSVOA_N

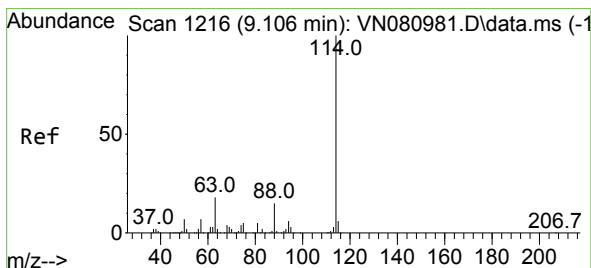
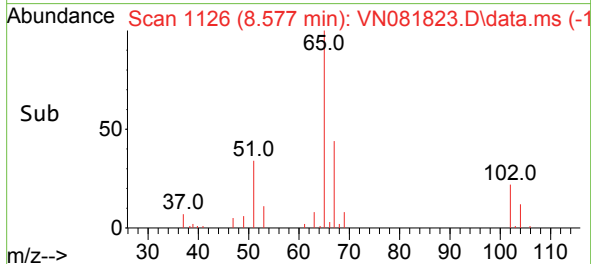
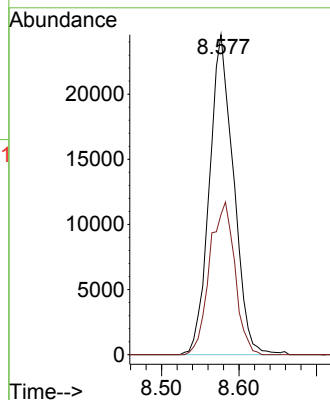
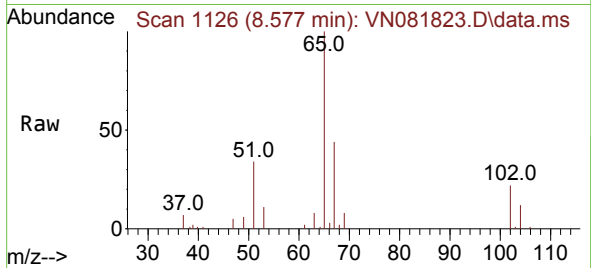
ClientSampleId :

Tgt Ion: 65 Resp: 53164

Ion Ratio Lower Upper

65 100

67 49.7 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: VN081823.D

Acq: 22 Apr 2024 12:47

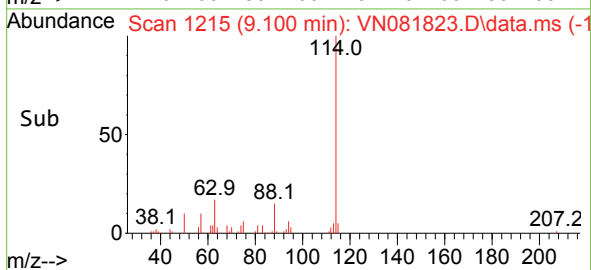
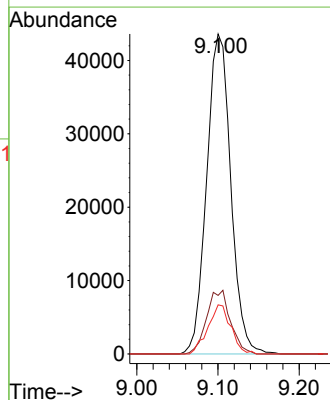
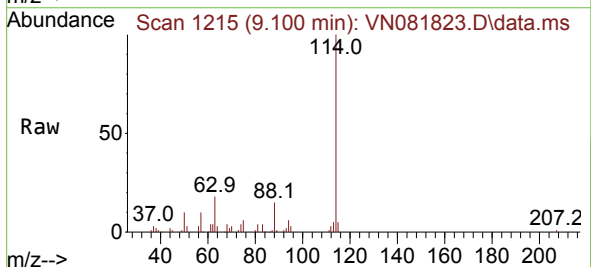
Tgt Ion: 114 Resp: 90171

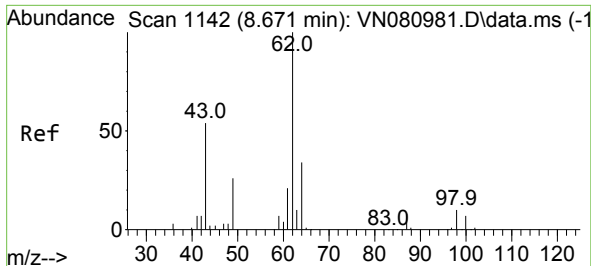
Ion Ratio Lower Upper

114 100

63 19.6 15.9 23.9

88 14.6 12.7 19.1





#36

1,2-Dichloroethane

Concen: 0.683 ug/l

RT: 9.088 min Scan# 1142

Delta R.T. 0.418 min

Lab File: VN081823.D

Acq: 22 Apr 2024 12:47

Instrument :

MSVOA_N

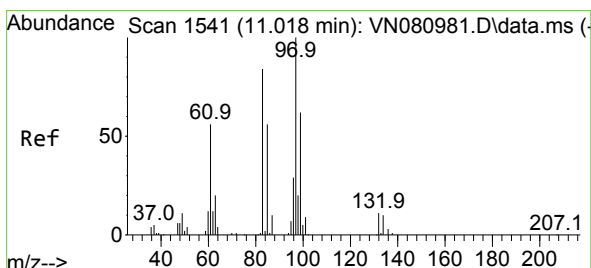
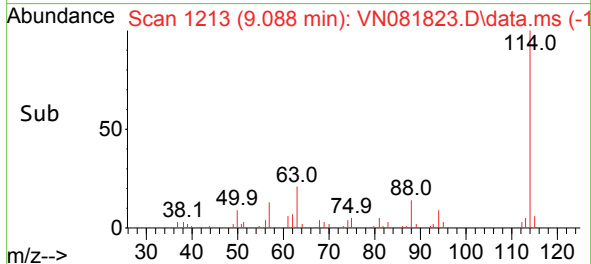
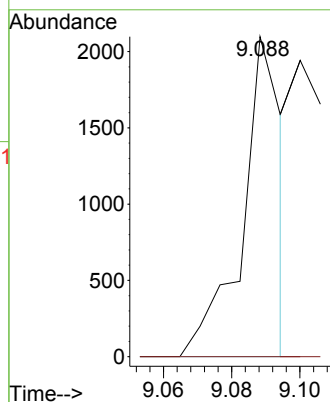
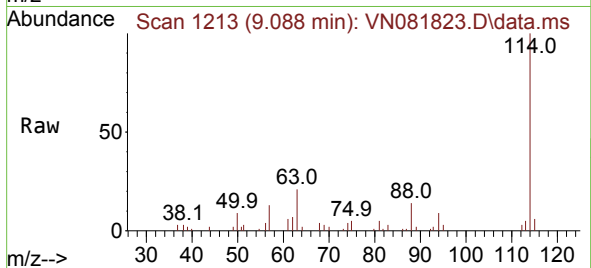
ClientSampleId :

Tgt Ion: 62 Resp: 1711

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



#50

1,1,2-Trichloroethane

Concen: 2.689 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.447 min

Lab File: VN081823.D

Acq: 22 Apr 2024 12:47

Tgt Ion: 97 Resp: 5110

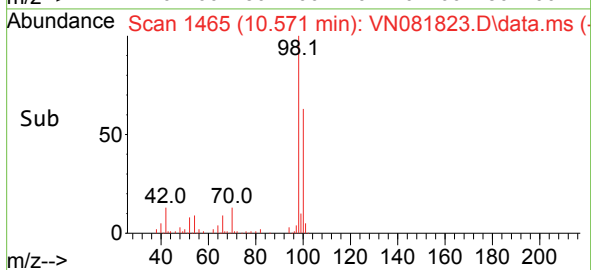
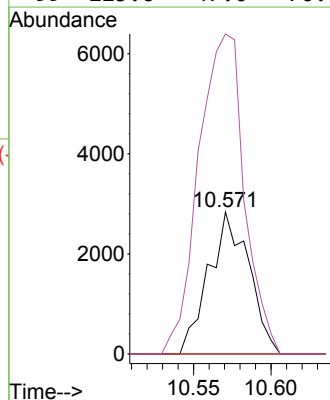
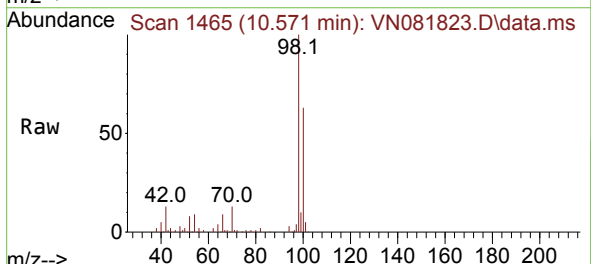
Ion Ratio Lower Upper

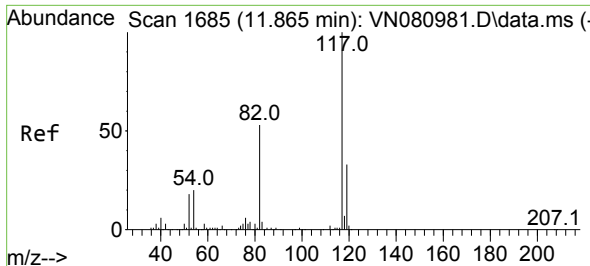
97 100

83 0.0 68.1 102.1#

85 0.0 41.8 62.6#

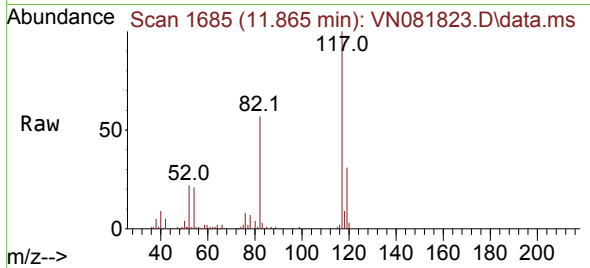
99 225.6 47.0 70.4#



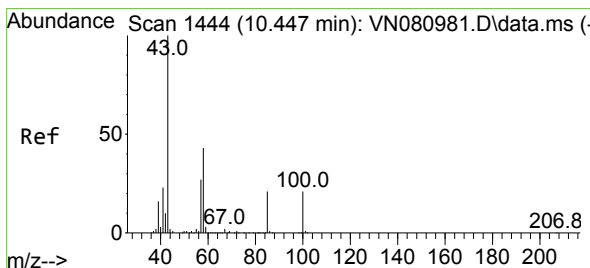
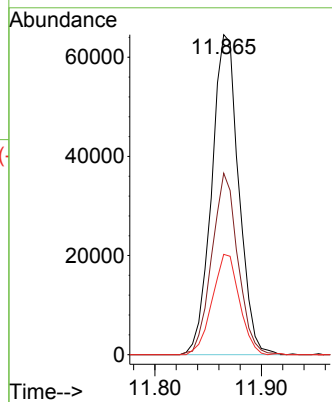
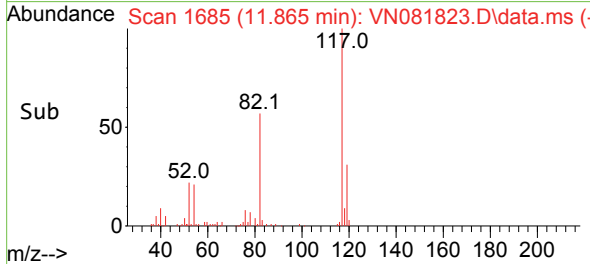


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081823.D
Acq: 22 Apr 2024 12:47

Instrument :
MSVOA_N
ClientSampleId :

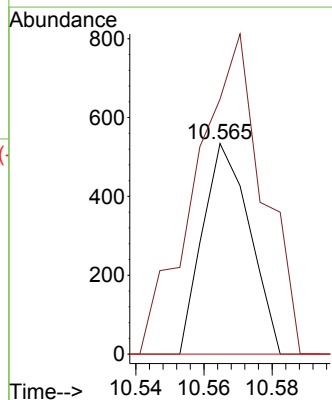
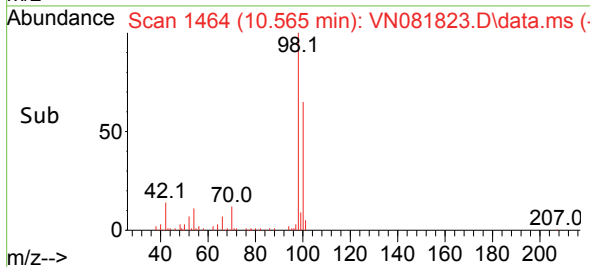
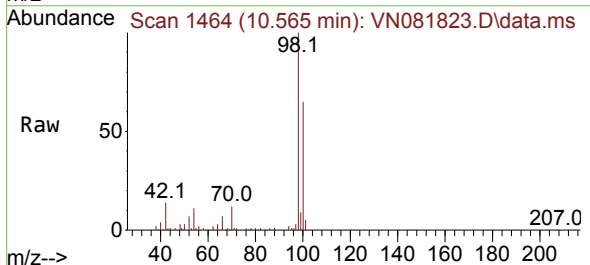


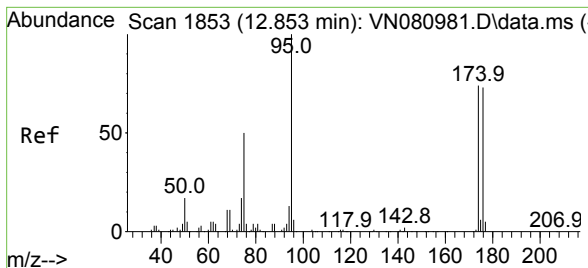
Tgt Ion:117 Resp: 113902
Ion Ratio Lower Upper
117 100
82 54.5 46.6 69.8
119 31.5 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 0.261 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN081823.D
Acq: 22 Apr 2024 12:47

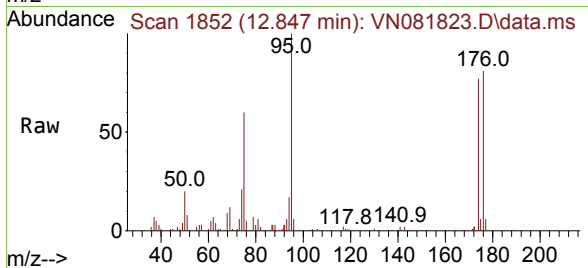
Tgt Ion: 43 Resp: 512
Ion Ratio Lower Upper
43 100
58 218.0 36.5 54.7#
85 0.0 19.5 29.3#



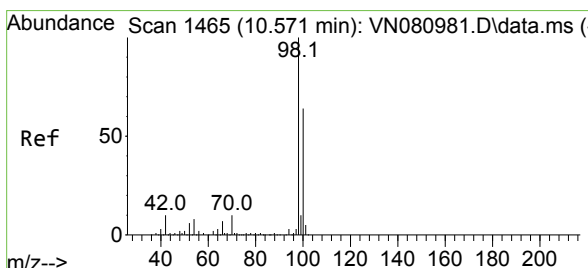
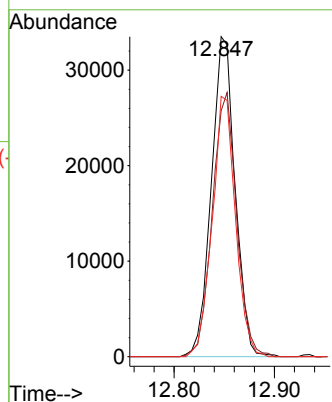
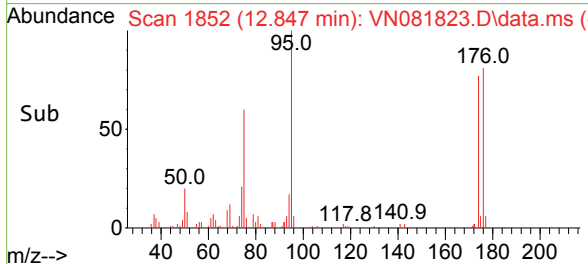


#60
4-Bromofluorobenzene
Concen: 24.610 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081823.D
Acq: 22 Apr 2024 12:47

Instrument :
MSVOA_N
ClientSampleId :

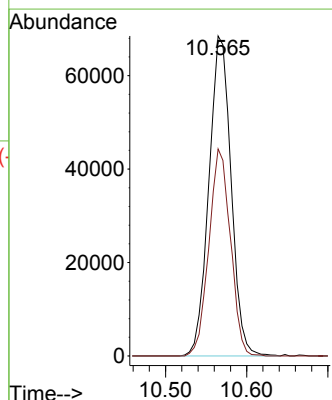
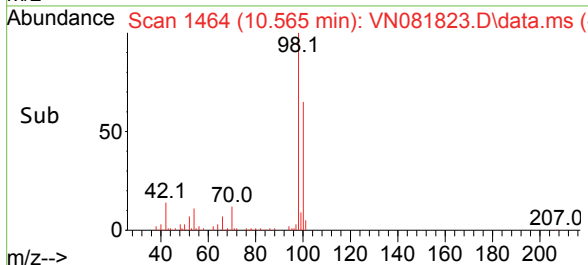
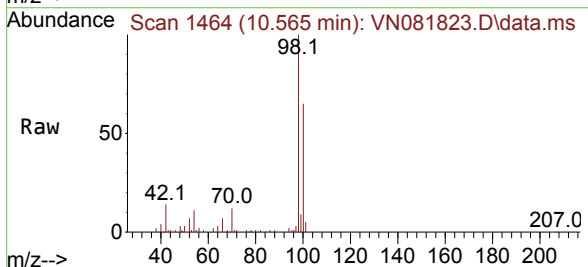


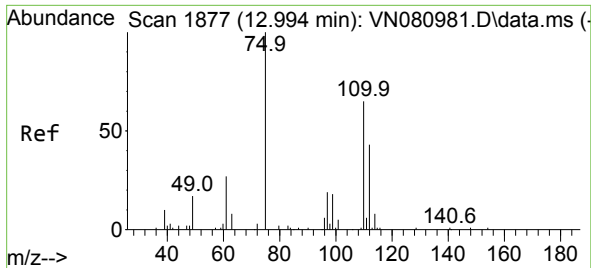
Tgt Ion: 95 Resp: 55110
Ion Ratio Lower Upper
95 100
174 84.6 60.5 90.7
176 79.8 57.8 86.6



#63
Toluene-d8
Concen: 28.419 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN081823.D
Acq: 22 Apr 2024 12:47

Tgt Ion: 98 Resp: 129841
Ion Ratio Lower Upper
98 100
100 62.7 52.7 79.1

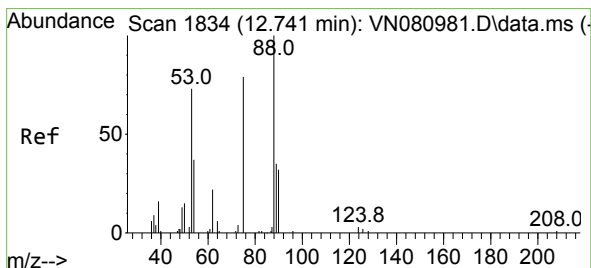
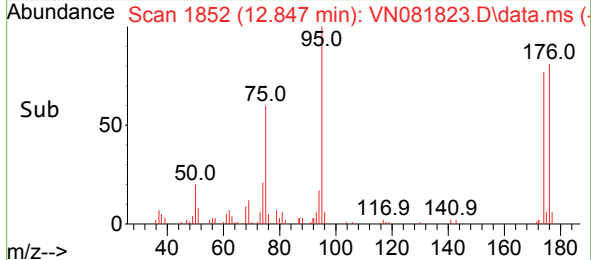
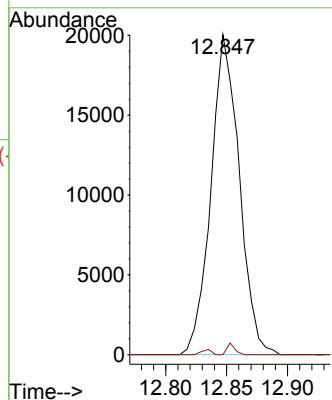
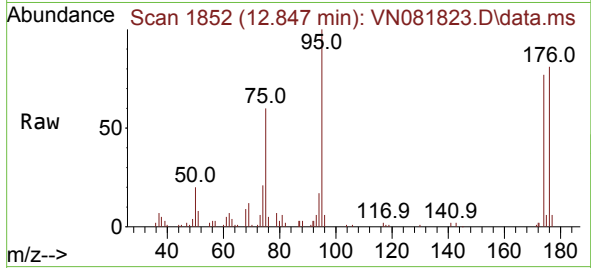




#72
1,2,3-Trichloropropane
Concen: 15.670 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081823.D
Acq: 22 Apr 2024 12:47

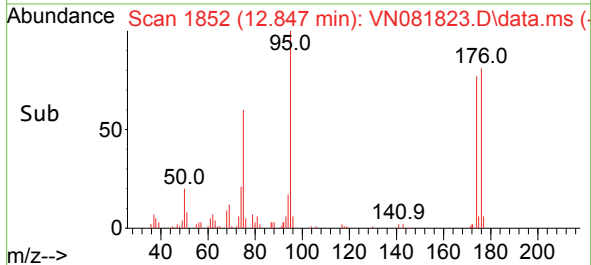
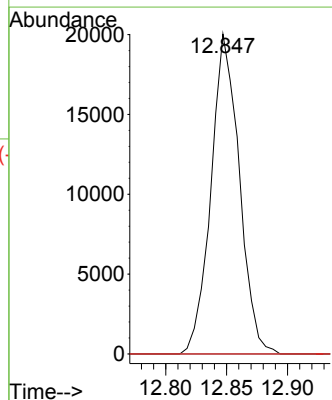
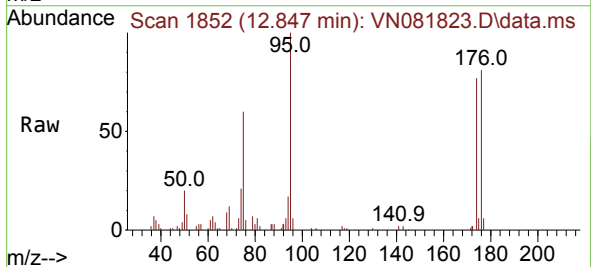
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MSVOA_N
ClientSampleId :

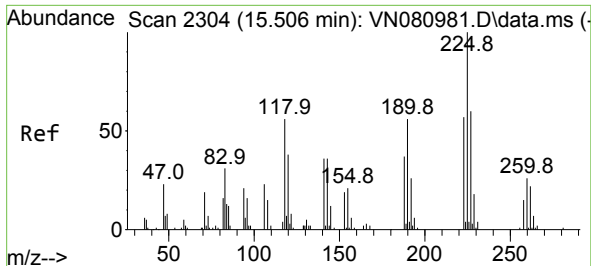
Tgt Ion: 75 Resp: 32391
Ion Ratio Lower Upper
75 100
77 1.0 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 37.839 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081823.D
Acq: 22 Apr 2024 12:47

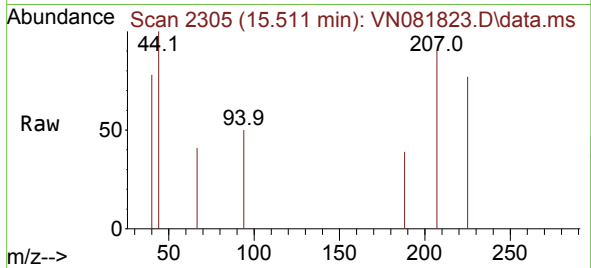
Tgt Ion: 75 Resp: 32391
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#





#90
Hexachlorobutadiene
Concen: 0.250 ug/l
RT: 15.511 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN081823.D
Acq: 22 Apr 2024 12:47

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	126.6
227	0.0	0.0	126.6

