

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041924\
 Data File : VN081812.D
 Acq On : 19 Apr 2024 16:28
 Operator : JC\MD
 Sample : P2217-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 19 23:44:11 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)

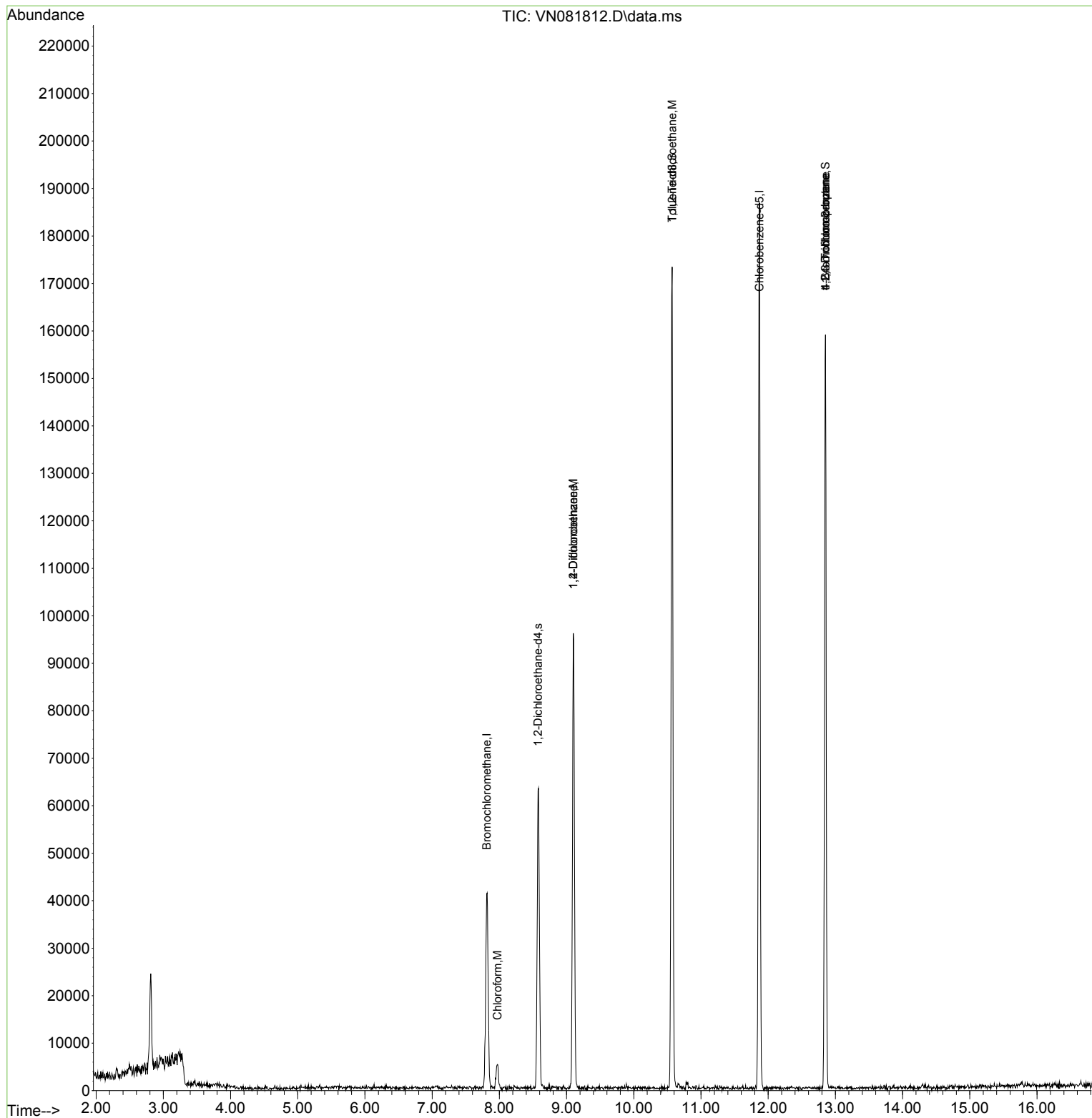
Internal Standards						
1) Bromochloromethane	7.812	128	14976	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.100	114	79647	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	104499	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	52632	28.608	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.367%
60) 4-Bromofluorobenzene	12.853	95	51414	25.025	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	83.433%
63) Toluene-d8	10.570	98	116386	27.766	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	92.567%
Target Compounds						
					Qvalue	
25) Chloroform	7.971	83	5337	1.267	ug/l #	81
36) 1,2-Dichloroethane	9.100	62	3646	1.648	ug/l #	72
50) 1,1,2-Trichloroethane	10.570	97	4754	2.832	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	28555	15.057	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	28555	36.359	ug/l #	12

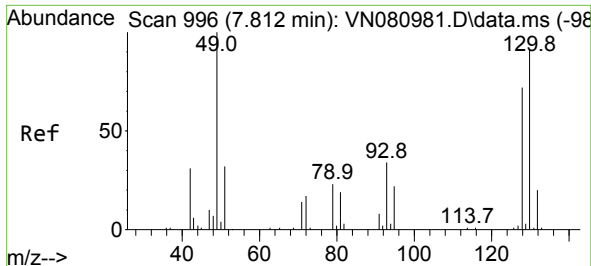
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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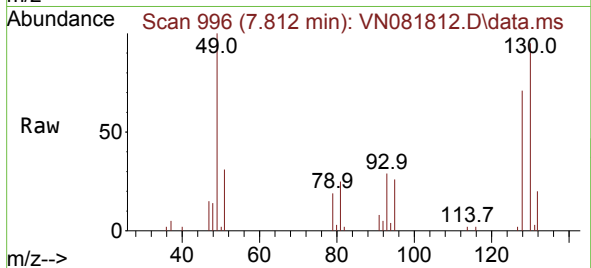
Quant Time: Apr 19 23:44:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 11 09:25:01 2024
Response via : Initial Calibration



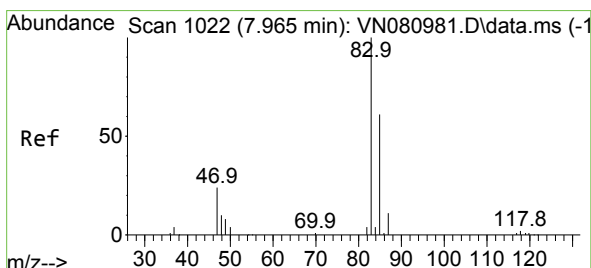
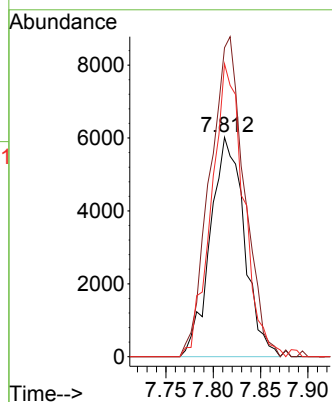
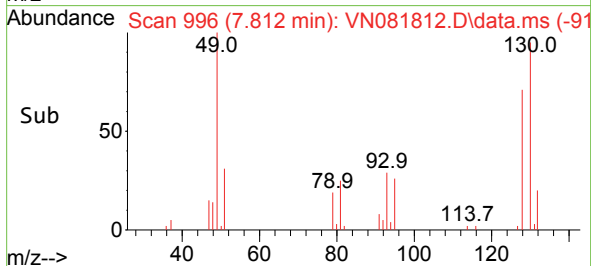


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.012 min
Lab File: VN081812.D
Acq: 19 Apr 2024 16:28

Instrument :
MSVOA_N
ClientSampleId :

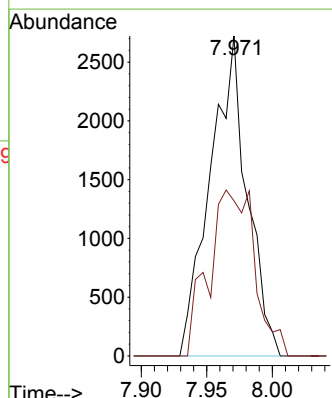
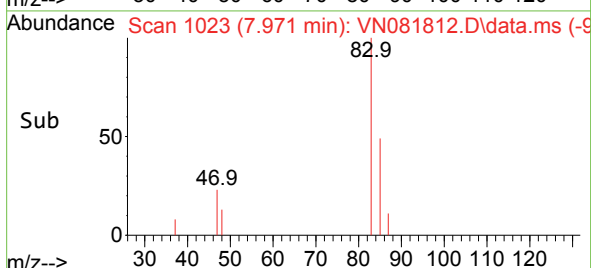
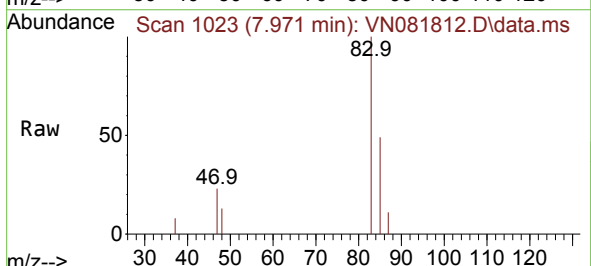


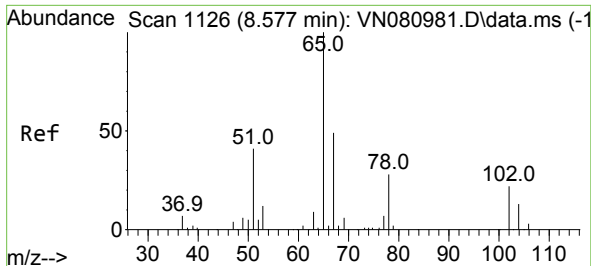
Tgt Ion:128 Resp: 14976
Ion Ratio Lower Upper
128 100
49 148.7 0.0 403.7
130 127.0 0.0 323.3



#25
Chloroform
Concen: 1.267 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. -0.000 min
Lab File: VN081812.D
Acq: 19 Apr 2024 16:28

Tgt Ion: 83 Resp: 5337
Ion Ratio Lower Upper
83 100
85 48.5 50.9 76.3#

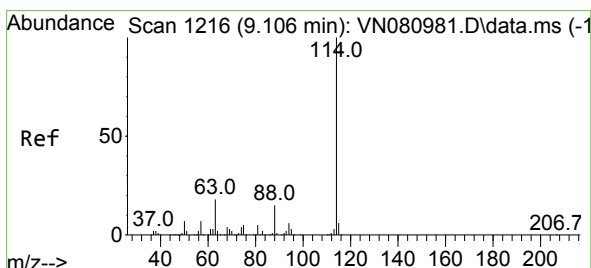
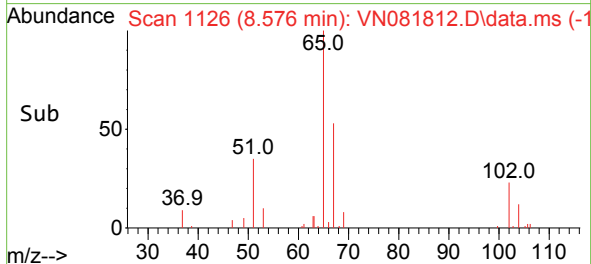
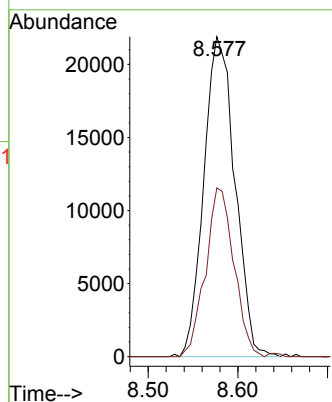
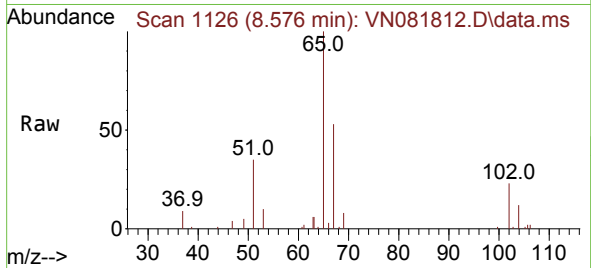




#27
1,2-Dichloroethane-d4
Concen: 28.608 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN081812.D
Acq: 19 Apr 2024 16:28

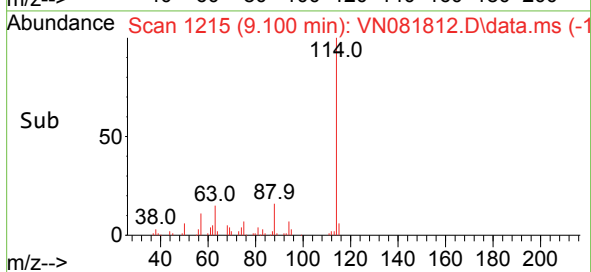
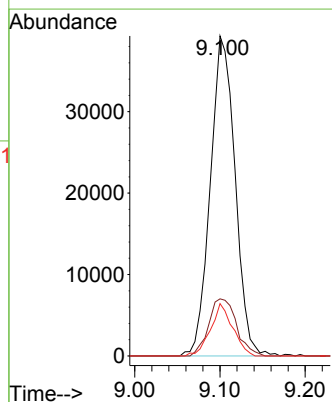
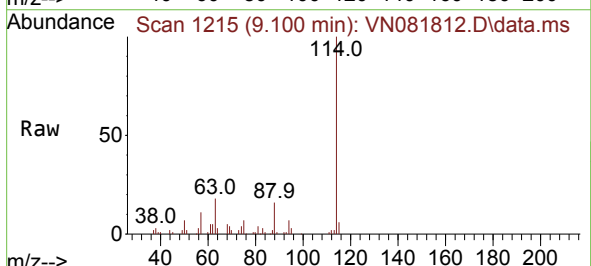
Instrument :
MSVOA_N
ClientSampleId :

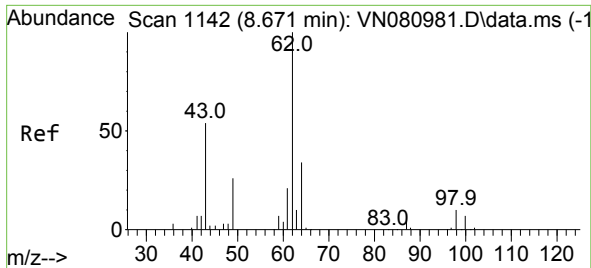
Tgt Ion: 65 Resp: 52632
Ion Ratio Lower Upper
65 100
67 48.3 43.2 64.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN081812.D
Acq: 19 Apr 2024 16:28

Tgt Ion: 114 Resp: 79647
Ion Ratio Lower Upper
114 100
63 20.0 15.9 23.9
88 14.7 12.7 19.1

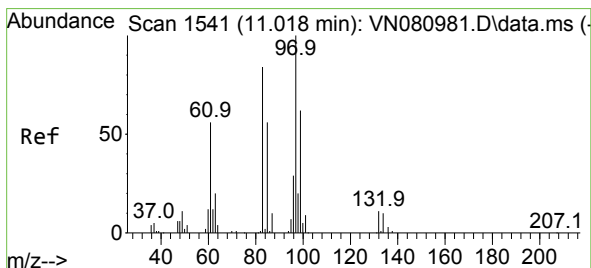
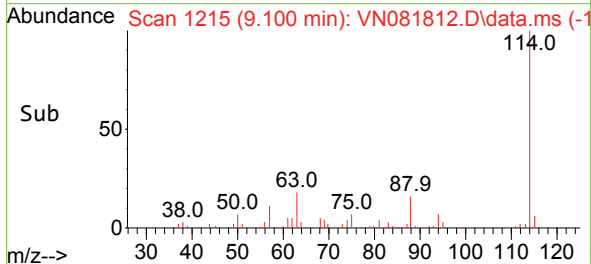
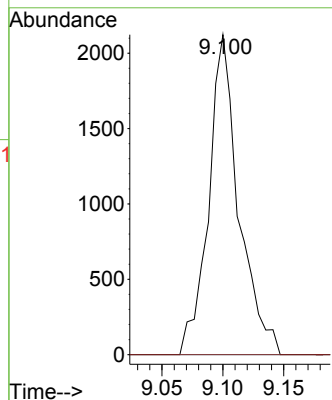
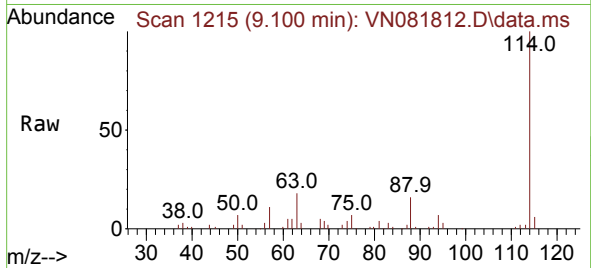




#36
 1,2-Dichloroethane
 Concen: 1.648 ug/l
 RT: 9.100 min Scan# 1142
 Delta R.T. 0.429 min
 Lab File: VN081812.D
 Acq: 19 Apr 2024 16:28

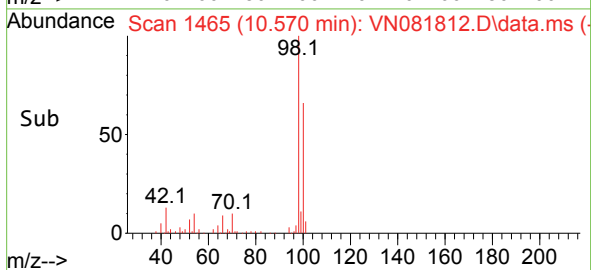
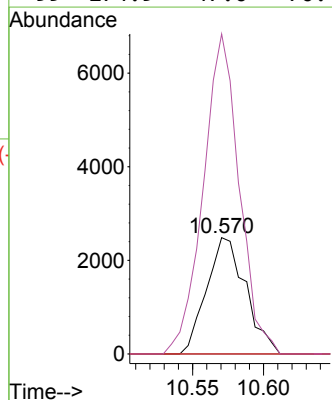
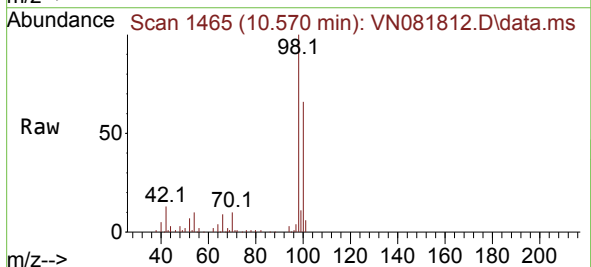
Instrument :
 MSVOA_N
 ClientSampleId :

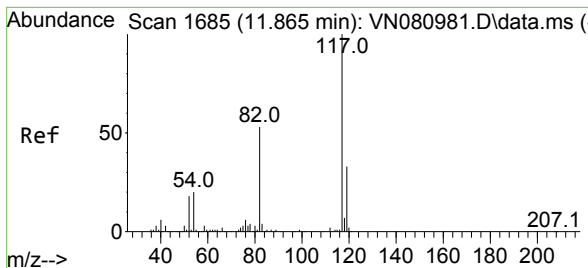
Tgt Ion: 62 Resp: 3646
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.4#



#50
 1,1,2-Trichloroethane
 Concen: 2.832 ug/l
 RT: 10.570 min Scan# 1465
 Delta R.T. -0.447 min
 Lab File: VN081812.D
 Acq: 19 Apr 2024 16:28

Tgt Ion: 97 Resp: 4754
 Ion Ratio Lower Upper
 97 100
 83 0.0 68.1 102.1#
 85 0.0 41.8 62.6#
 99 274.9 47.0 70.4#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.006 min

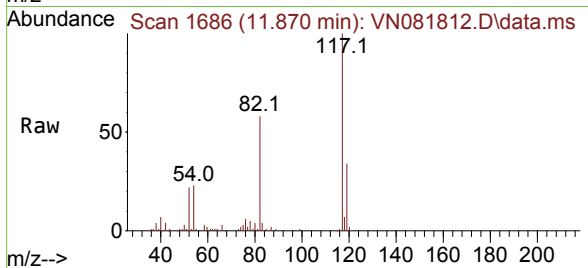
Lab File: VN081812.D

Acq: 19 Apr 2024 16:28

Instrument :

MSVOA_N

ClientSampleId :



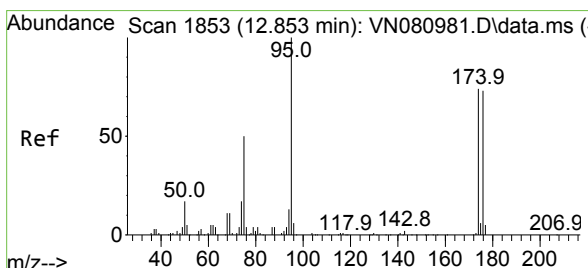
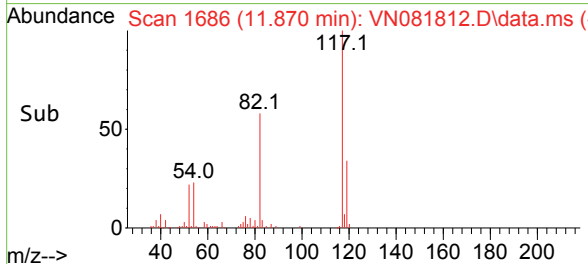
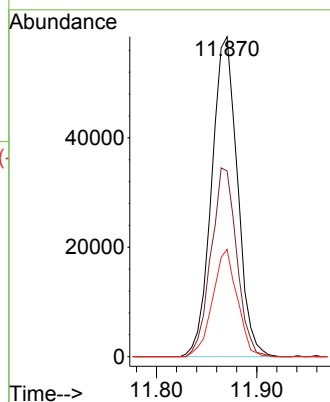
Tgt Ion:117 Resp: 104499

Ion Ratio Lower Upper

117 100

82 58.7 46.6 69.8

119 32.0 25.4 38.2



#60

4-Bromofluorobenzene

Concen: 25.025 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN081812.D

Acq: 19 Apr 2024 16:28

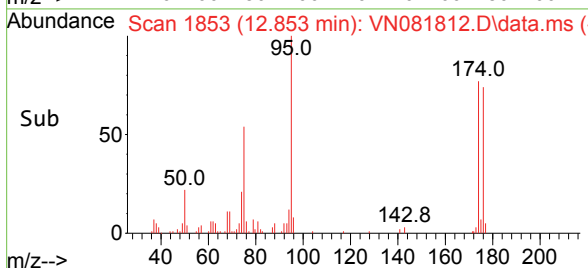
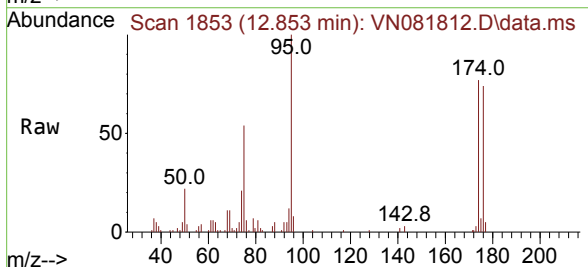
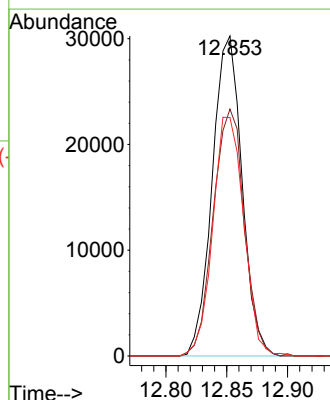
Tgt Ion: 95 Resp: 51414

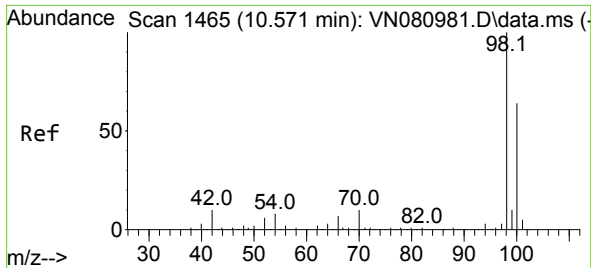
Ion Ratio Lower Upper

95 100

174 80.5 60.5 90.7

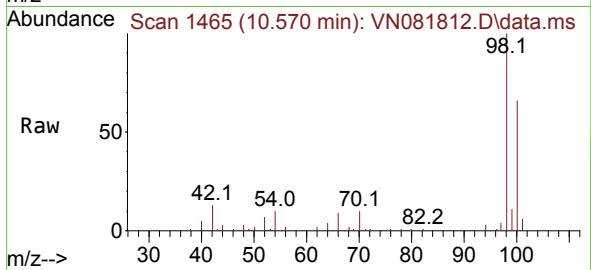
176 77.5 57.8 86.6



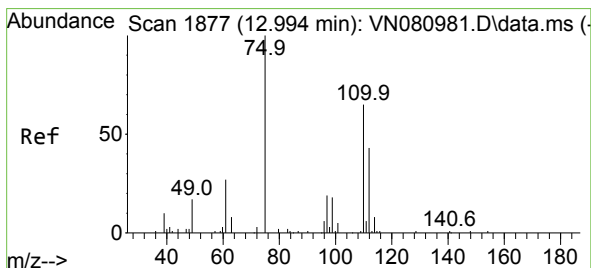
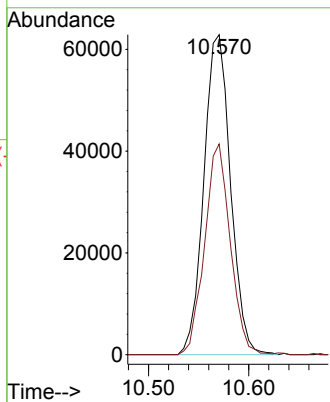
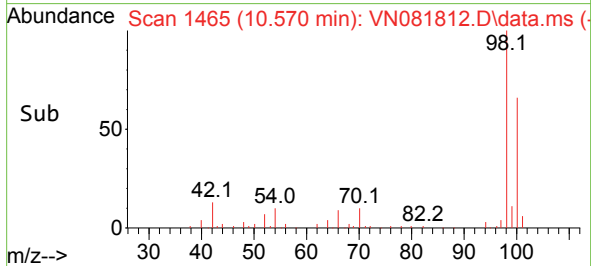


#63
Toluene-d8
Concen: 27.766 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081812.D
Acq: 19 Apr 2024 16:28

Instrument :
MSVOA_N
ClientSampleId :

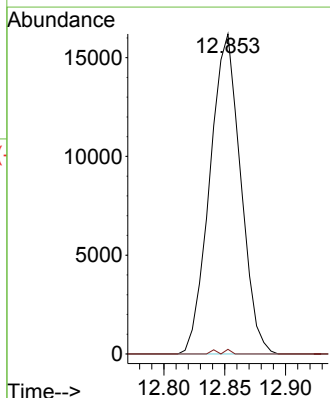
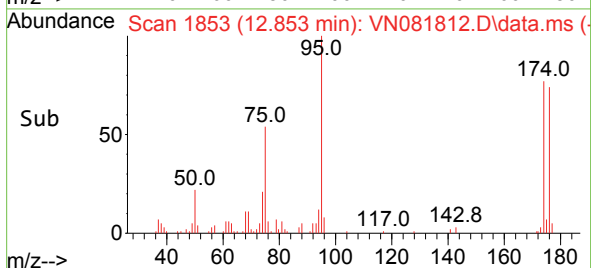
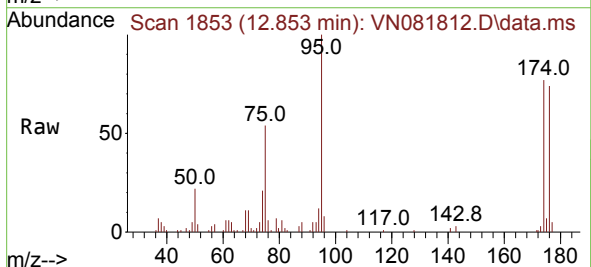


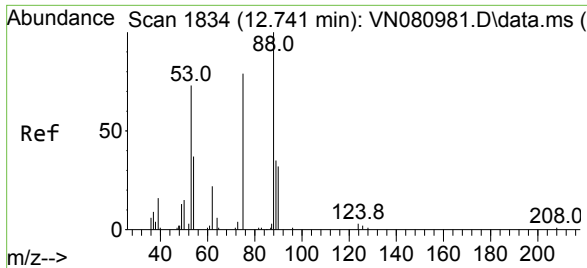
Tgt Ion: 98 Resp: 116386
Ion Ratio Lower Upper
98 100
100 63.2 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 15.057 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081812.D
Acq: 19 Apr 2024 16:28

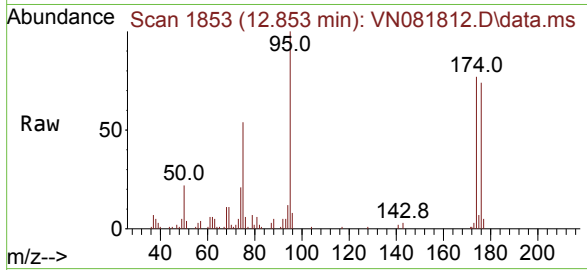
Tgt Ion: 75 Resp: 28555
Ion Ratio Lower Upper
75 100
77 0.3 0.0 367.6





#77
 t-1,4-Dichloro-2-butene
 Concen: 36.359 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN081812.D
 Acq: 19 Apr 2024 16:28

Instrument :
 MSVOA_N
 ClientSampleId :



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

