

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041924\
 Data File : VN081809.D
 Acq On : 19 Apr 2024 15:16
 Operator : JC\MD
 Sample : P2191-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 19 23:39:50 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)

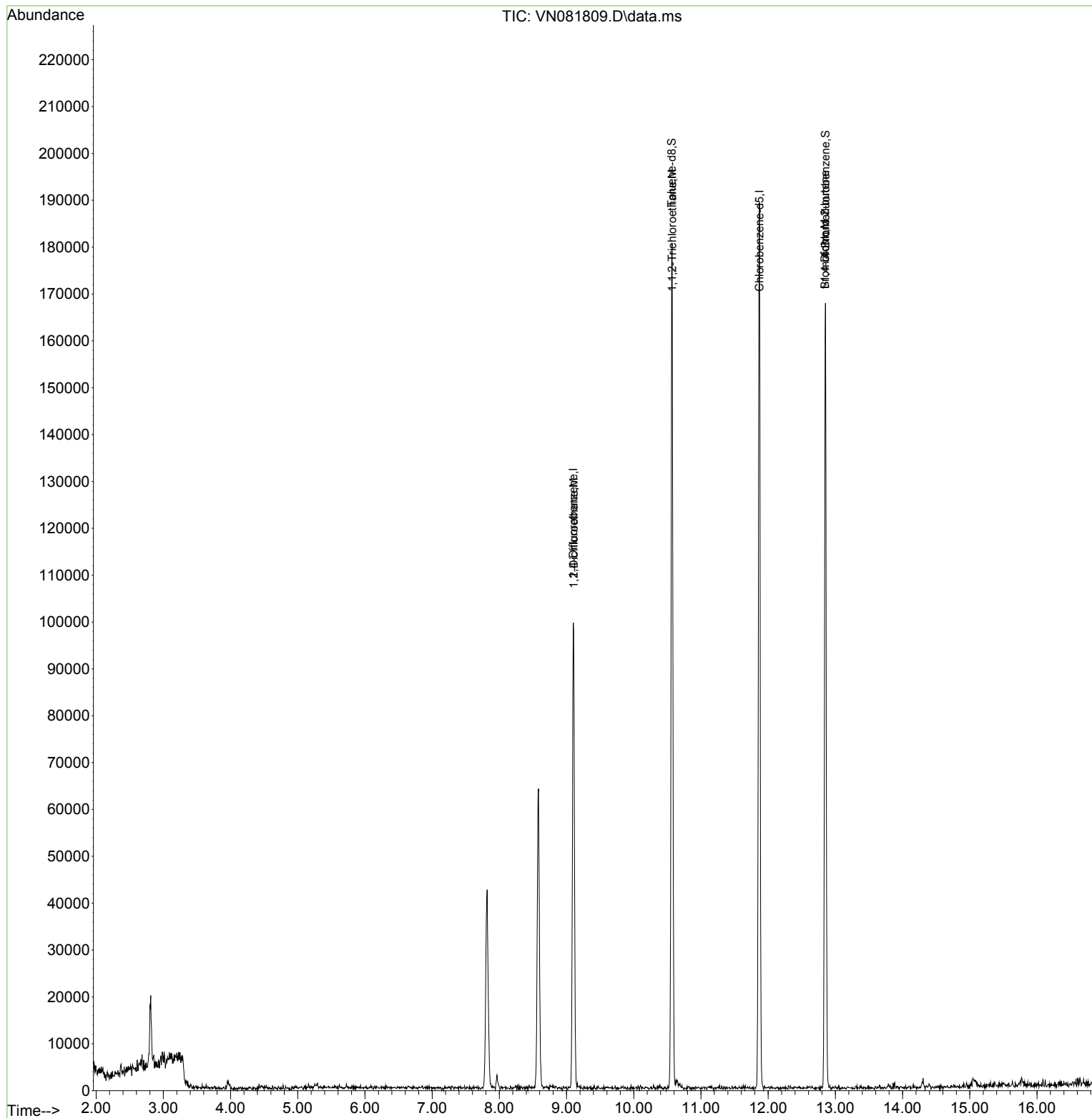
Internal Standards						
1) Bromochloromethane	0.000	128	0	0.000	ug/l	-7.82
28) 1,4-Difluorobenzene	9.100	114	83364	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.870	117	108153	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	50561	0.000	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	0.000%#
60) 4-Bromofluorobenzene	12.853	95	55752	26.220	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.400%
63) Toluene-d8	10.565	98	124396	28.674	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.567%
Target Compounds						
					Qvalue	
36) 1,2-Dichloroethane	9.106	62	2320	1.002	ug/l #	72
50) 1,1,2-Trichloroethane	10.570	97	4695	2.672	ug/l #	1
56) Bromoform	12.847	173	656	0.489	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.847	75	30697	37.766	ug/l #	12

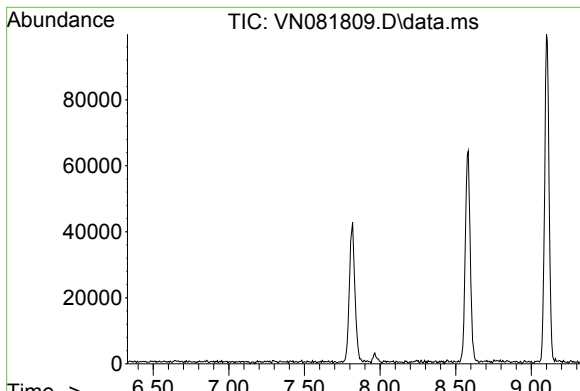
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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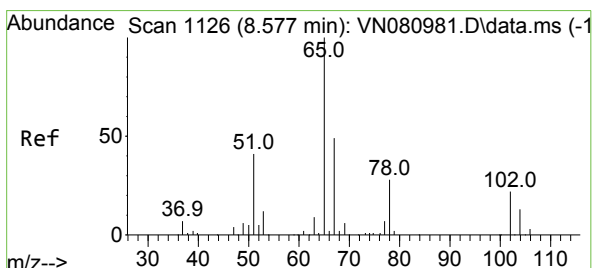
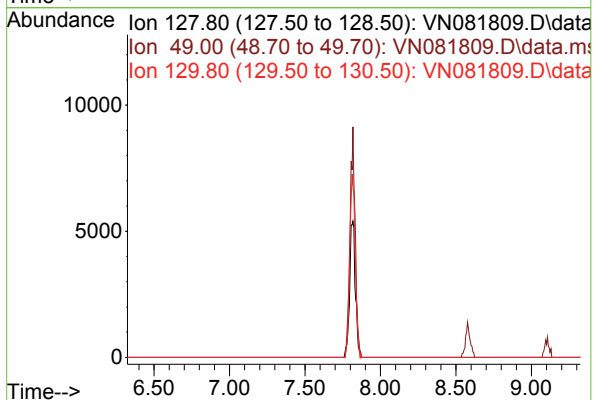


#1
 Bromochloromethane
 Concen: 0.000 ug/l
 Expected RT: 7.82 min
 Lab File: VN081809.D
 Acq: 19 Apr 2024 15:16

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 128

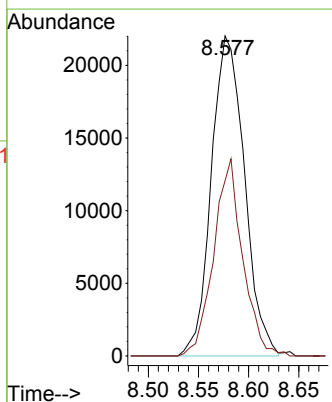
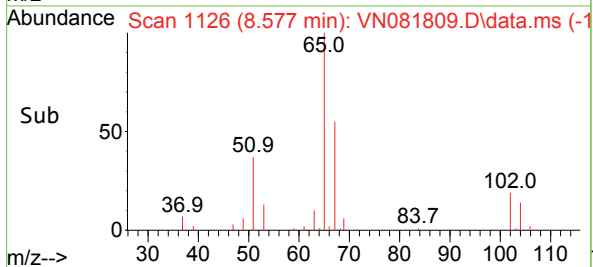
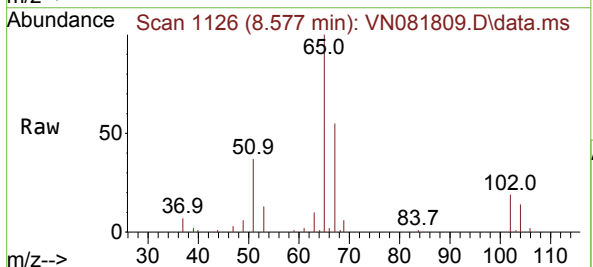
Sig	Exp Ratio
128	100
49	161.5
130	129.3

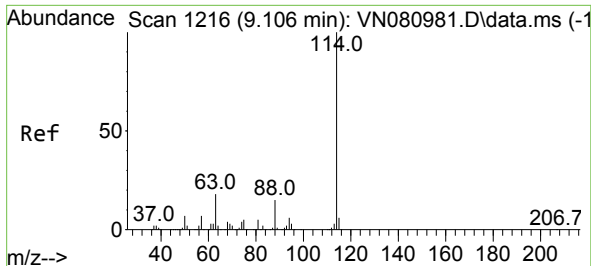


#27
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VN081809.D
 Acq: 19 Apr 2024 15:16

Tgt Ion: 65 Resp: 50561

Ion	Ratio	Lower	Upper
65	100		
67	53.9	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: VN081809.D

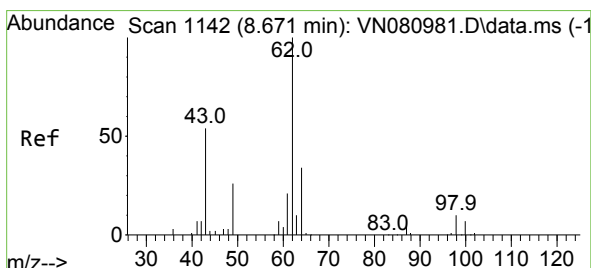
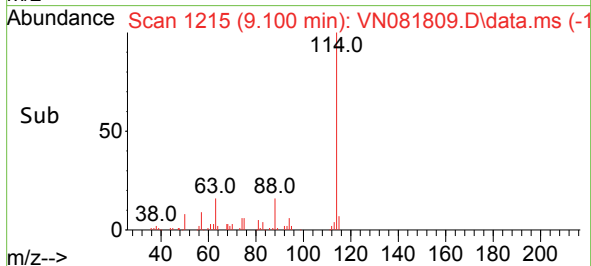
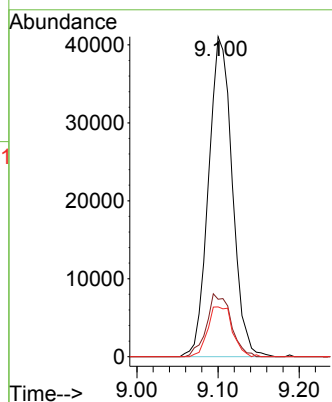
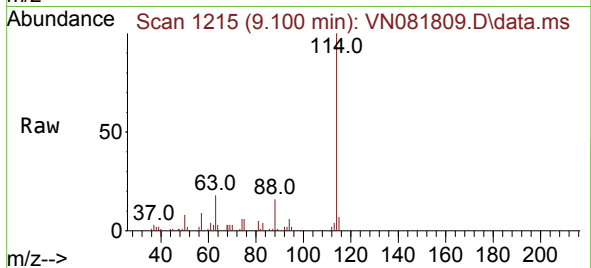
Acq: 19 Apr 2024 15:16

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:114	Resp:	83364
Ion Ratio	Lower	Upper
114	100	
63	20.2	15.9 23.9
88	10.8	12.7 19.1#



#36

1,2-Dichloroethane

Concen: 1.002 ug/l

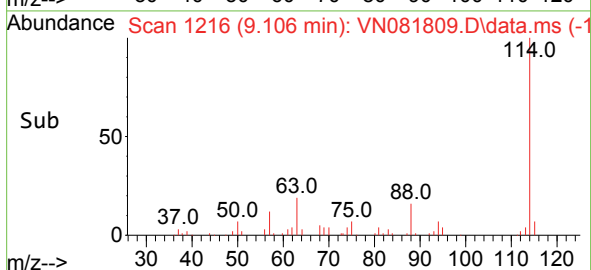
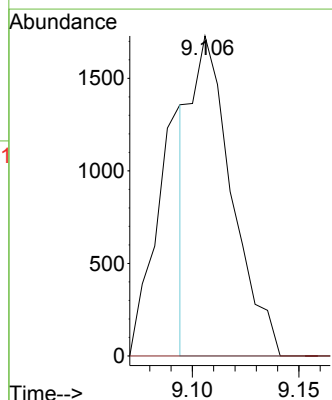
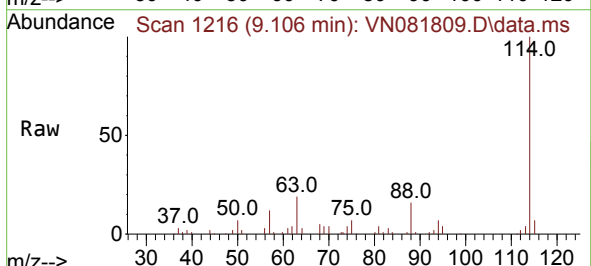
RT: 9.106 min Scan# 1216

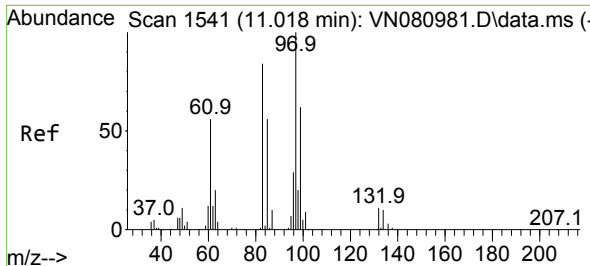
Delta R.T. 0.435 min

Lab File: VN081809.D

Acq: 19 Apr 2024 15:16

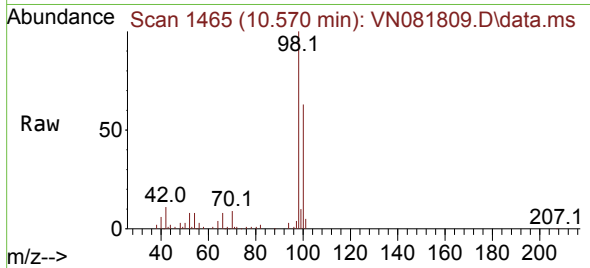
Tgt Ion: 62	Resp:	2320
Ion Ratio	Lower	Upper
62	100	
98	0.0	8.2 12.4#



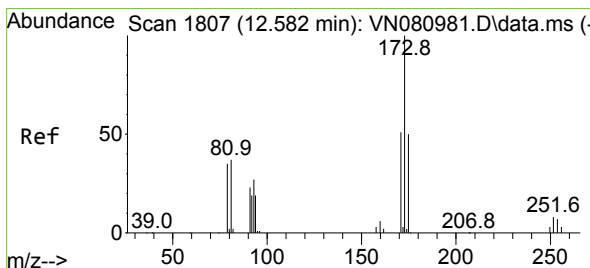
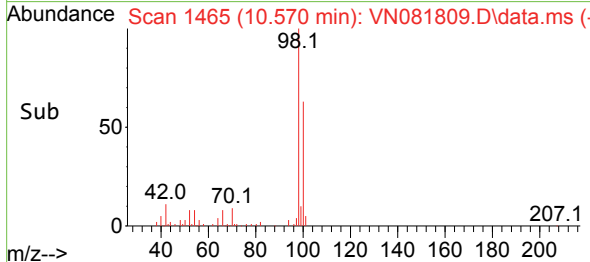
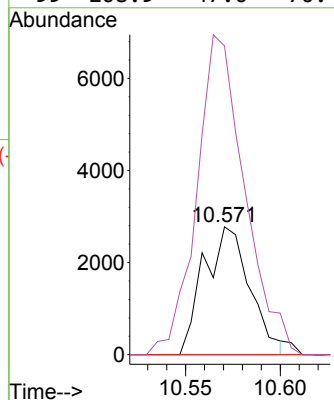


#50
1,1,2-Trichloroethane
Concen: 2.672 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN081809.D
Acq: 19 Apr 2024 15:16

Instrument :
MSVOA_N
ClientSampleId :

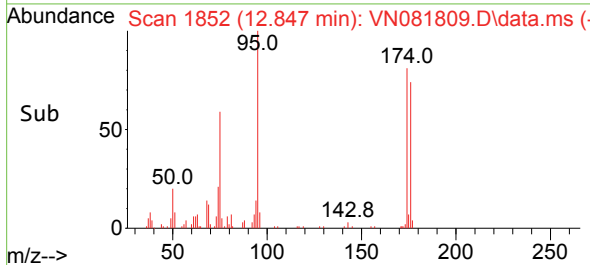
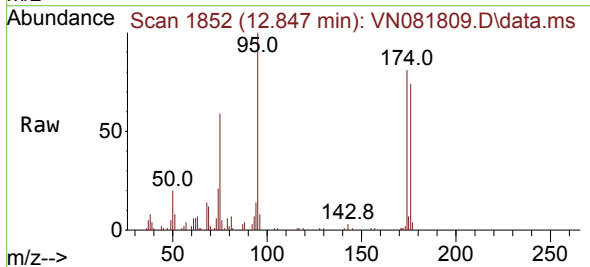
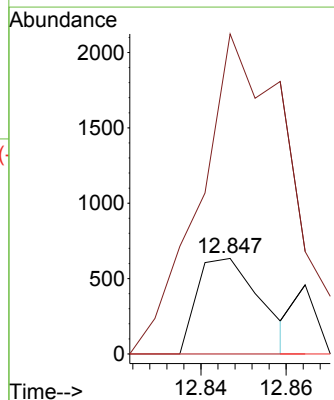


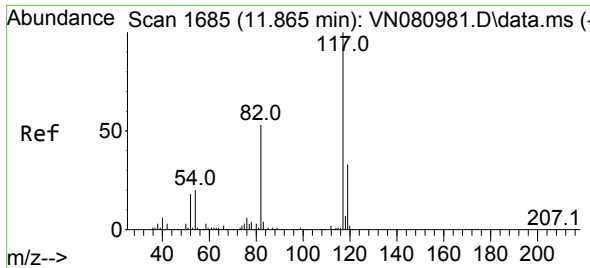
Tgt Ion: 97 Resp: 4695
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 208.9 47.0 70.4#



#56
Bromoform
Concen: 0.489 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN081809.D
Acq: 19 Apr 2024 15:16

Tgt Ion:173 Resp: 656
Ion Ratio Lower Upper
173 100
175 468.3 40.0 60.0#
254 0.0 8.3 12.5#

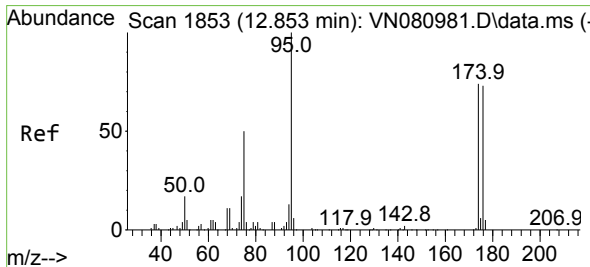
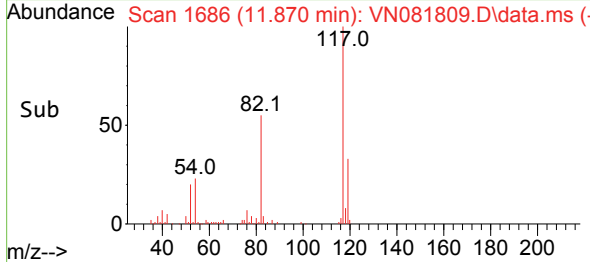
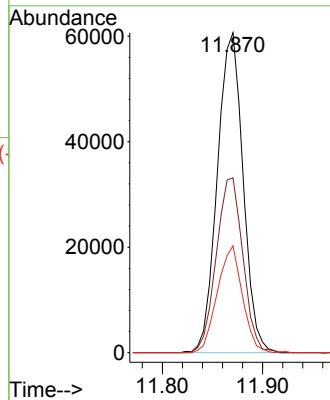
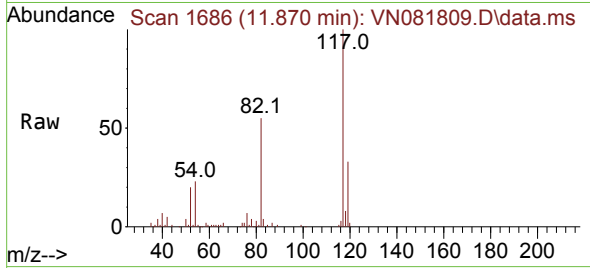




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN081809.D
Acq: 19 Apr 2024 15:16

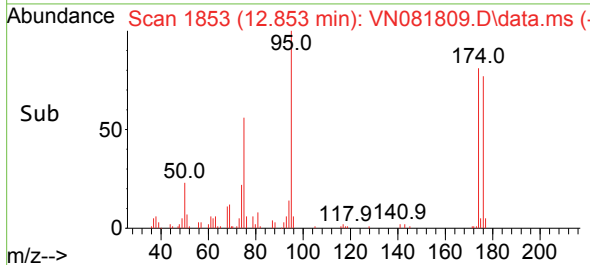
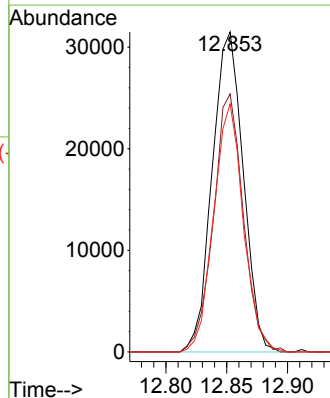
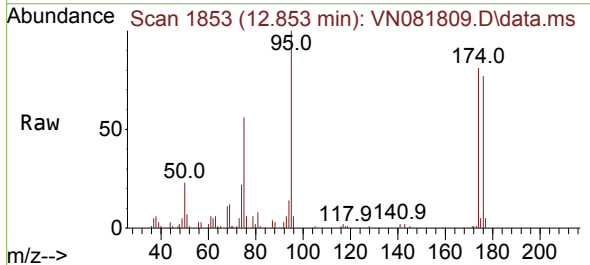
Instrument :
MSVOA_N
ClientSampleId :

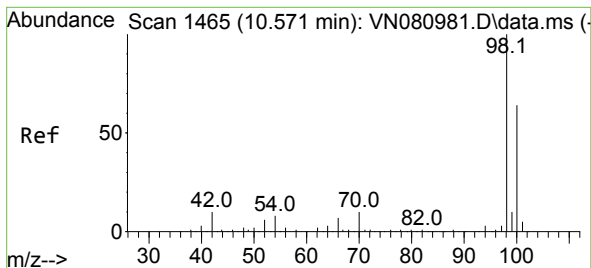
Tgt Ion:117 Resp: 108153
Ion Ratio Lower Upper
117 100
82 56.4 46.6 69.8
119 32.4 25.4 38.2



#60
4-Bromofluorobenzene
Concen: 26.220 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081809.D
Acq: 19 Apr 2024 15:16

Tgt Ion: 95 Resp: 55752
Ion Ratio Lower Upper
95 100
174 77.5 60.5 90.7
176 74.4 57.8 86.6





#63

Toluene-d8

Concen: 28.674 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN081809.D

Acq: 19 Apr 2024 15:16

Instrument :

MSVOA_N

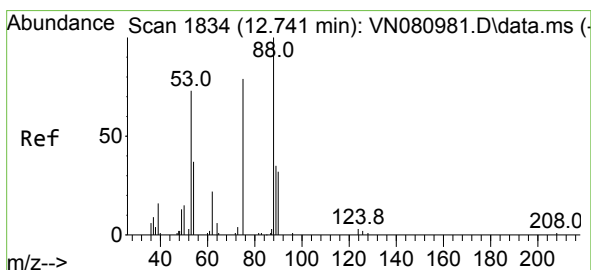
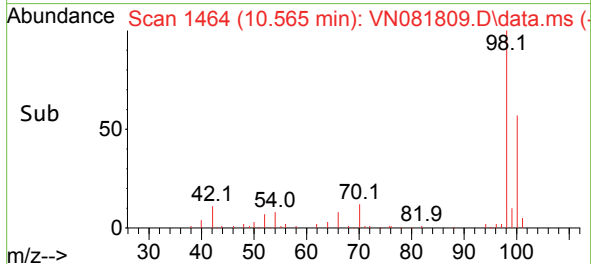
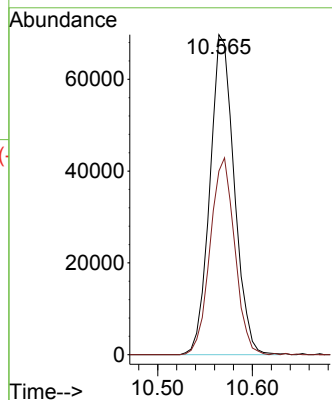
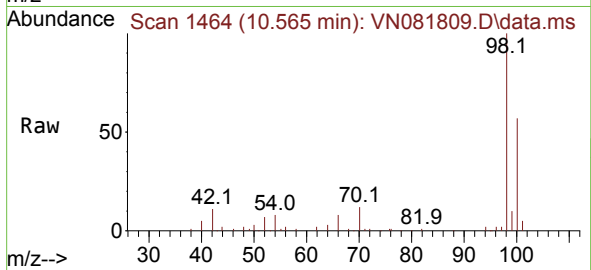
ClientSampleId :

Tgt Ion: 98 Resp: 124396

Ion Ratio Lower Upper

98 100

100 62.0 52.7 79.1



#77

t-1,4-Dichloro-2-butene

Concen: 37.766 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.106 min

Lab File: VN081809.D

Acq: 19 Apr 2024 15:16

Tgt Ion: 75 Resp: 30697

Ion Ratio Lower Upper

75 100

53 0.0 45.9 137.7#

89 0.0 25.9 77.7#

