

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041724\
 Data File : VN081771.D
 Acq On : 17 Apr 2024 14:25
 Operator : JC\MD
 Sample : P2155-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 18 01:11:37 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)

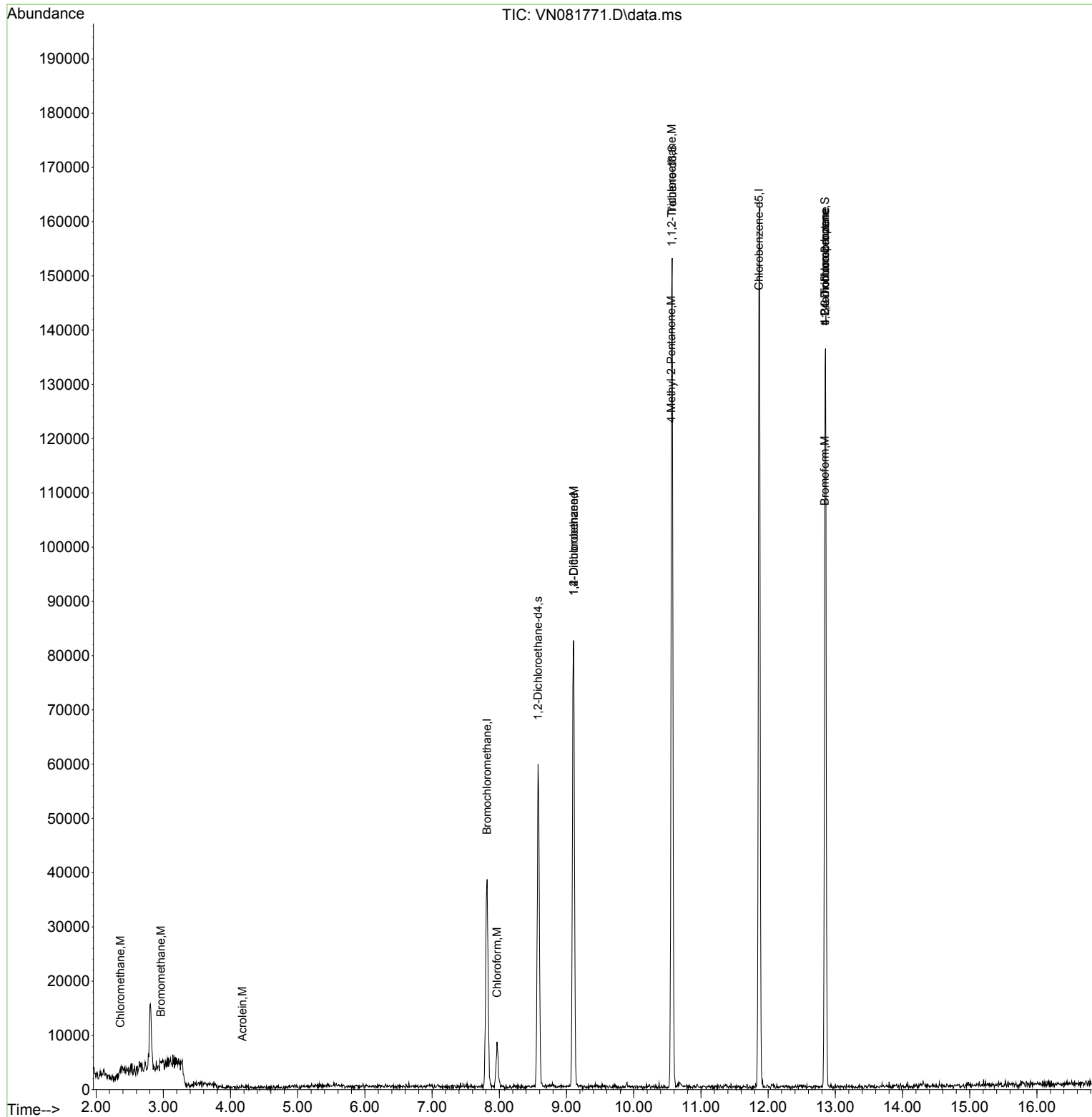
Internal Standards						
1) Bromochloromethane	7.818	128	12623	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	71328	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	92149	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	47212	30.445	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.500%
60) 4-Bromofluorobenzene	12.847	95	44337	24.473	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.567%
63) Toluene-d8	10.571	98	108208	29.275	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.567%
Target Compounds						
					Qvalue	
3) Chloromethane	2.360	50	463	0.303	ug/l #	51
5) Bromomethane	2.965	94	372	0.279	ug/l #	4
13) Acrolein	4.177	56	64	0.326	ug/l #	15
25) Chloroform	7.965	83	4418	1.244	ug/l	93
36) 1,2-Dichloroethane	9.106	62	3253	1.642	ug/l #	72
50) 1,1,2-Trichloroethane	10.565	97	1964	1.307	ug/l #	1
56) Bromoform	12.841	173	233	0.203	ug/l #	35
58) 4-Methyl-2-Pentanone	10.559	43	352	0.222	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	25493	15.244	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	25493	36.811	ug/l #	12

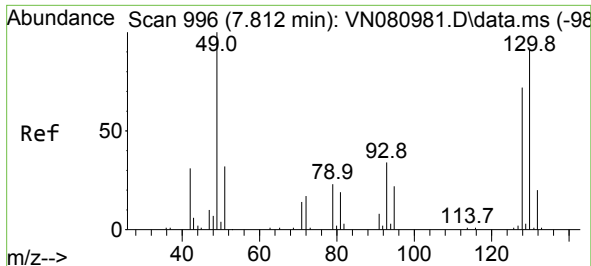
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041724\
Data File : VN081771.D
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Sample : P2155-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

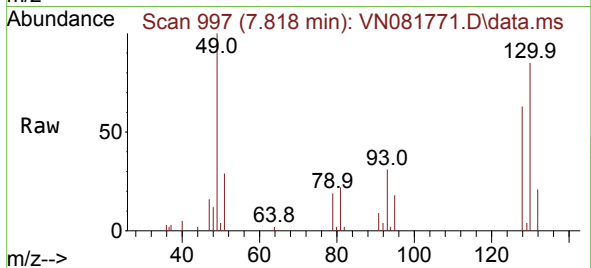
Quant Time: Apr 18 01:11:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 11 09:25:01 2024
Response via : Initial Calibration



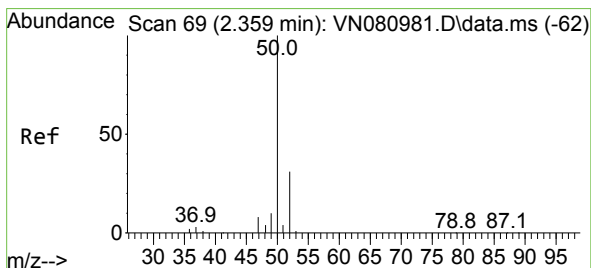
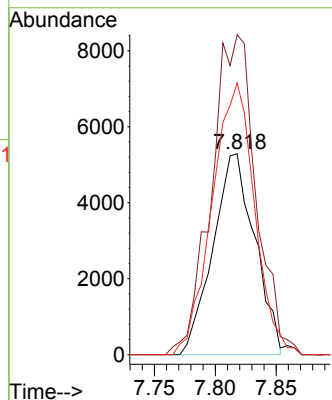
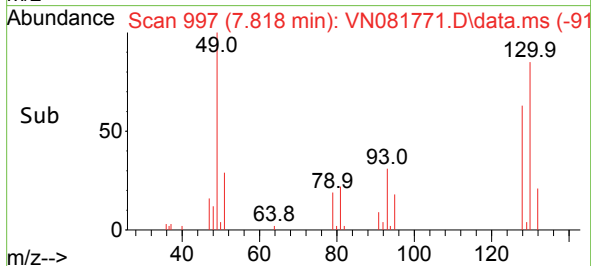


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. -0.006 min
Lab File: VN081771.D
Acq: 17 Apr 2024 14:25

Instrument :
MSVOA_N
ClientSampleId :

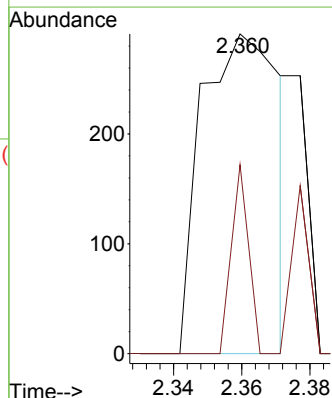
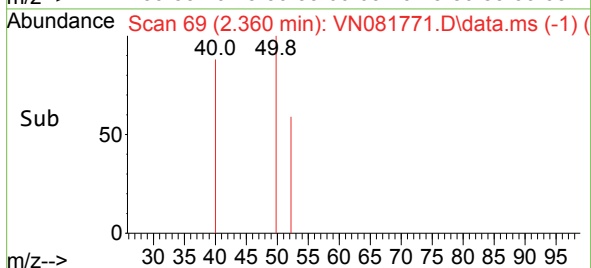
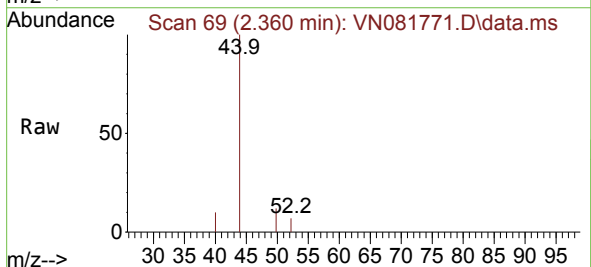


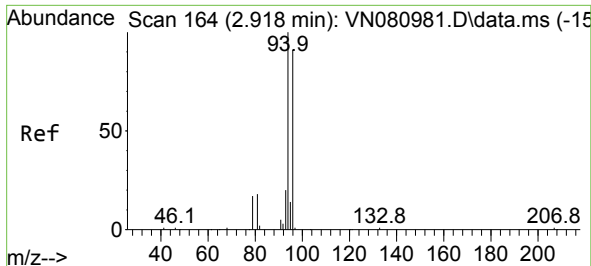
Tgt Ion:128 Resp: 12623
Ion Ratio Lower Upper
128 100
49 84.4 0.0 403.7
130 137.6 0.0 323.3



#3
Chloromethane
Concen: 0.303 ug/l
RT: 2.360 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN081771.D
Acq: 17 Apr 2024 14:25

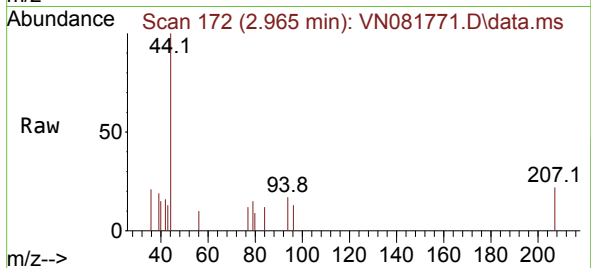
Tgt Ion: 50 Resp: 463
Ion Ratio Lower Upper
50 100
52 59.1 25.4 38.0#



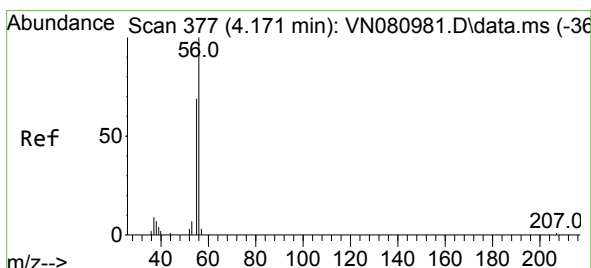
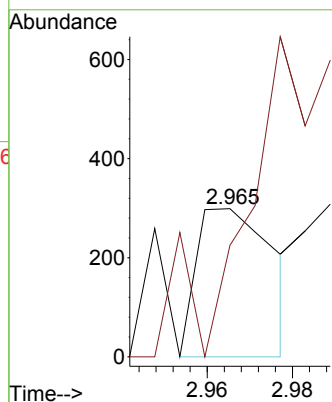
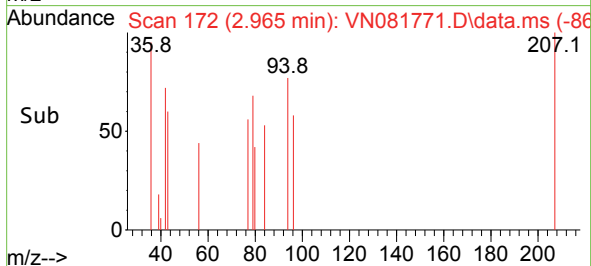


#5
Bromomethane
Concen: 0.279 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081771.D
Acq: 17 Apr 2024 14:25

Instrument :
MSVOA_N
ClientSampleId :

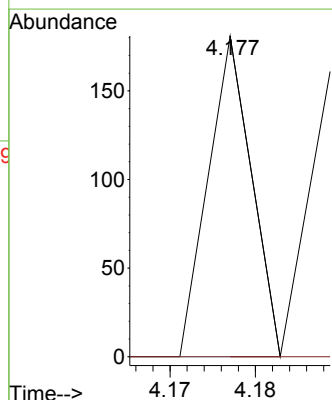
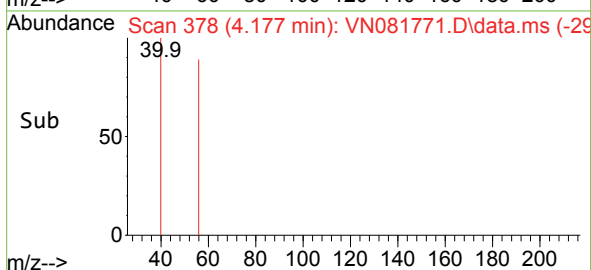
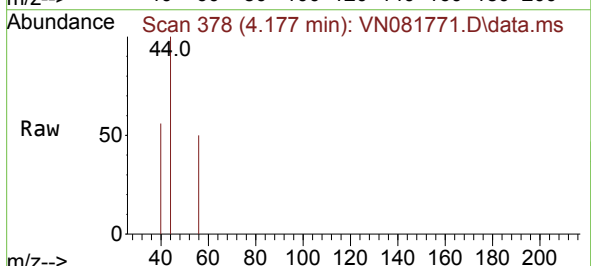


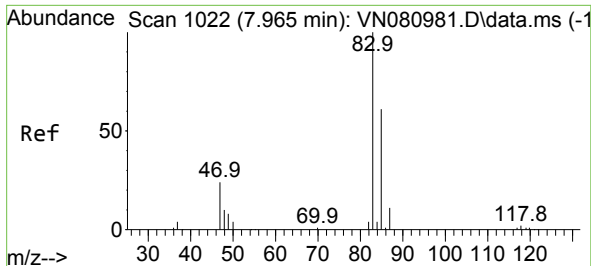
Tgt Ion: 94 Resp: 372
Ion Ratio Lower Upper
94 100
96 0.0 72.8 109.2#



#13
Acrolein
Concen: 0.326 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.006 min
Lab File: VN081771.D
Acq: 17 Apr 2024 14:25

Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 0.0 55.5 83.3#





#25

Chloroform

Concen: 1.244 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.006 min

Lab File: VN081771.D

Acq: 17 Apr 2024 14:25

Instrument :

MSVOA_N

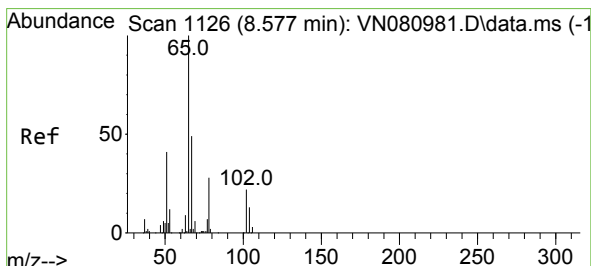
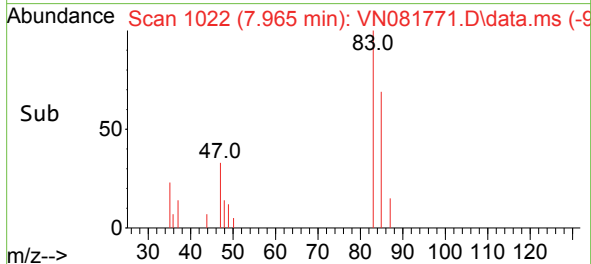
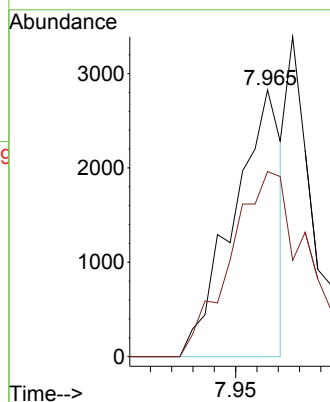
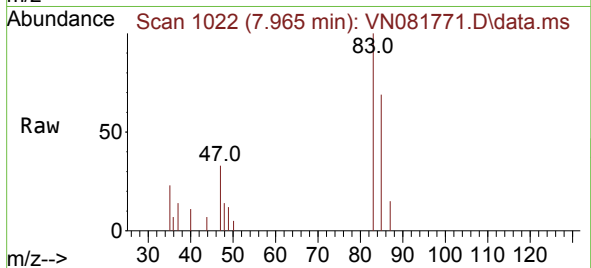
ClientSampleId :

Tgt Ion: 83 Resp: 4418

Ion Ratio Lower Upper

83 100

85 69.4 50.9 76.3



#27

1,2-Dichloroethane-d4

Concen: 30.445 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN081771.D

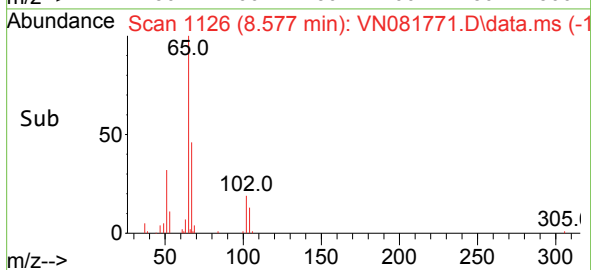
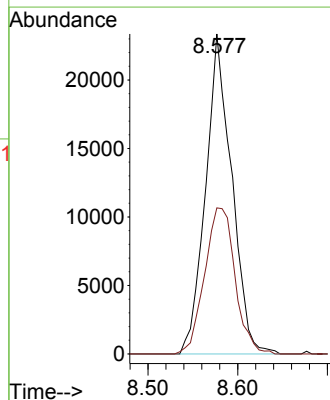
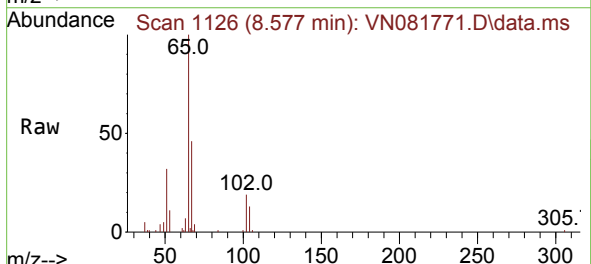
Acq: 17 Apr 2024 14:25

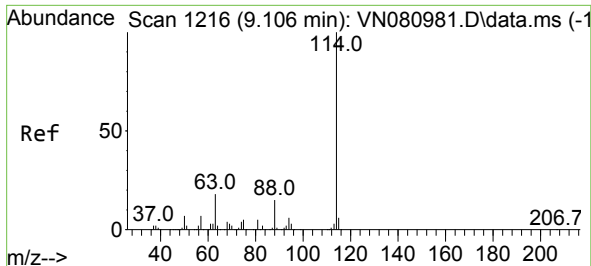
Tgt Ion: 65 Resp: 47212

Ion Ratio Lower Upper

65 100

67 53.1 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081771.D

Acq: 17 Apr 2024 14:25

Instrument :

MSVOA_N

ClientSampleId :

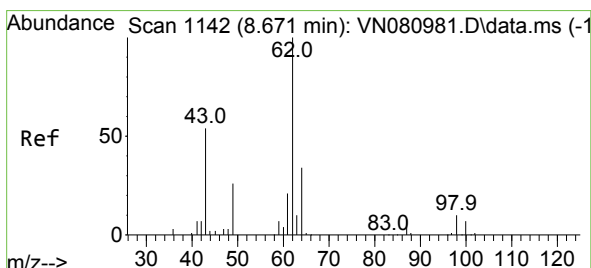
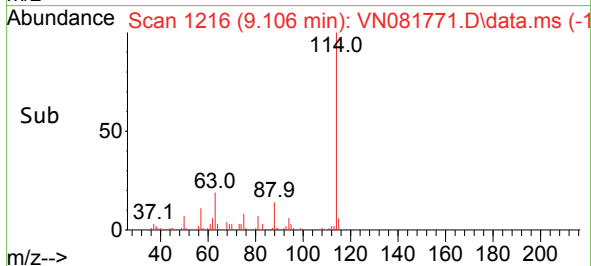
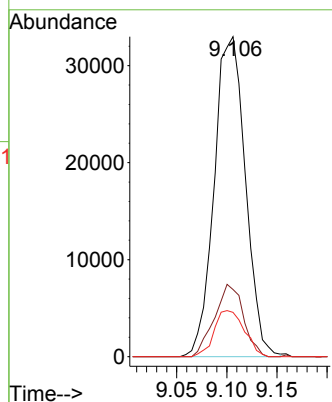
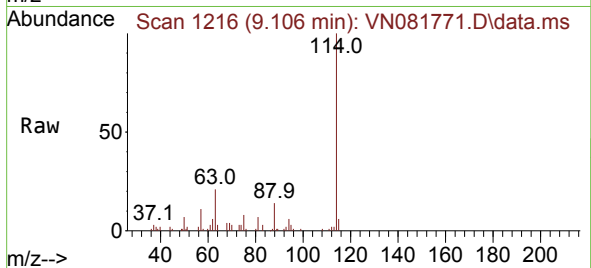
Tgt Ion:114 Resp: 71328

Ion Ratio Lower Upper

114 100

63 21.0 15.9 23.9

88 13.9 12.7 19.1



#36

1,2-Dichloroethane

Concen: 1.642 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.435 min

Lab File: VN081771.D

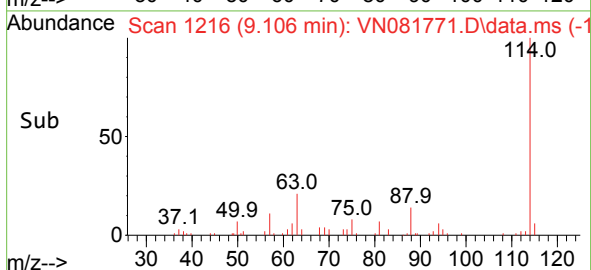
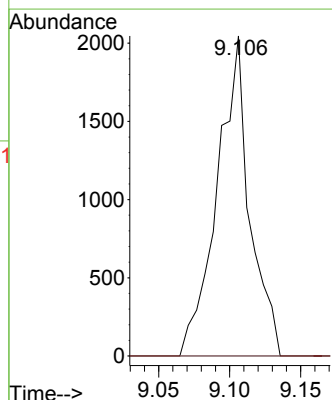
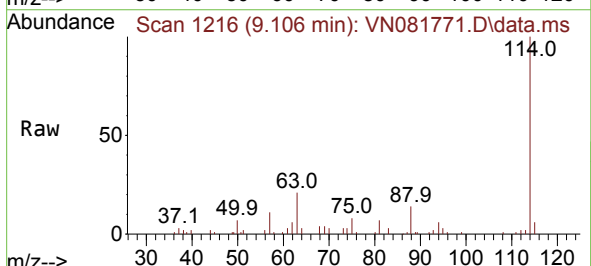
Acq: 17 Apr 2024 14:25

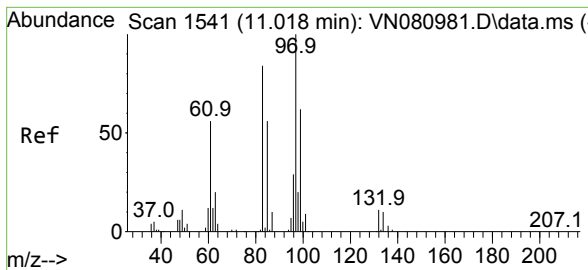
Tgt Ion: 62 Resp: 3253

Ion Ratio Lower Upper

62 100

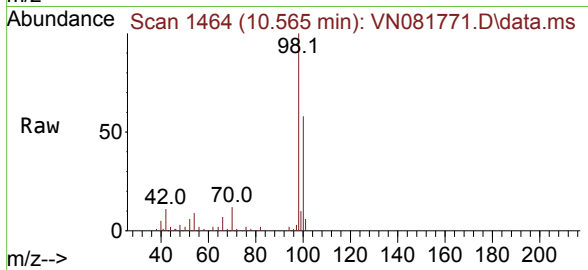
98 0.0 8.2 12.4#



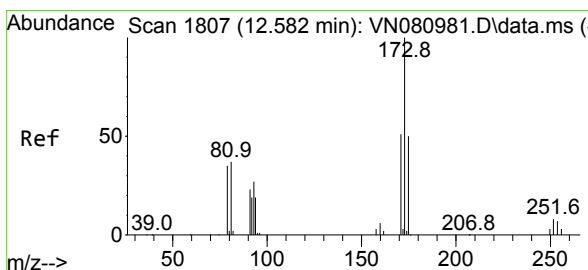
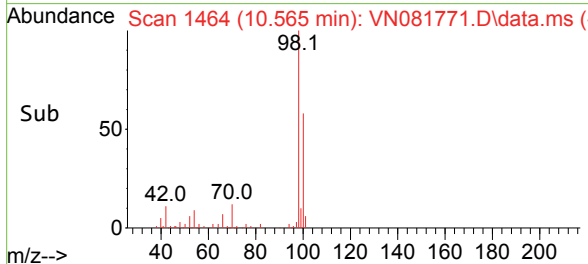
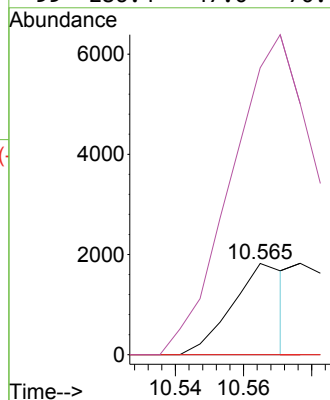


#50
1,1,2-Trichloroethane
Concen: 1.307 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.453 min
Lab File: VN081771.D
Acq: 17 Apr 2024 14:25

Instrument :
MSVOA_N
ClientSampleId :

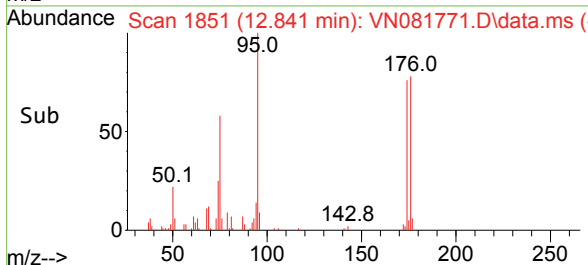
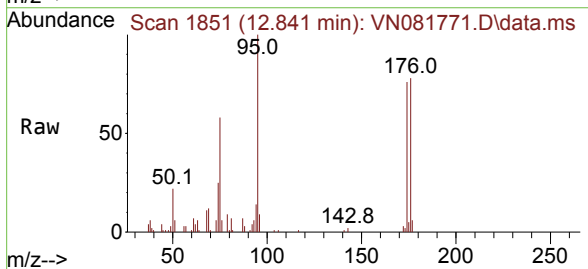
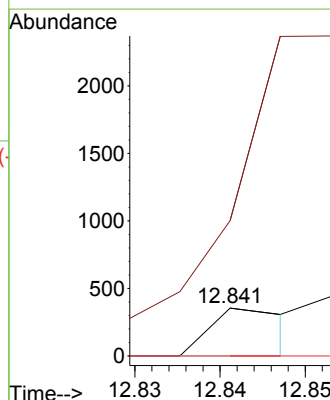


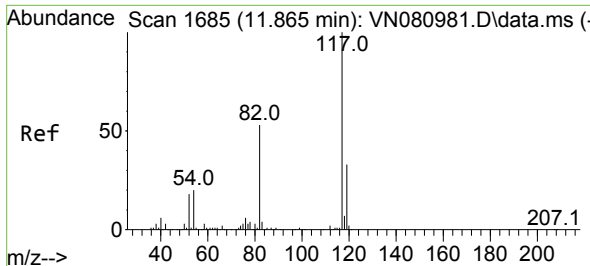
Tgt Ion: 97 Resp: 1964
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 286.4 47.0 70.4#



#56
Bromoform
Concen: 0.203 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.259 min
Lab File: VN081771.D
Acq: 17 Apr 2024 14:25

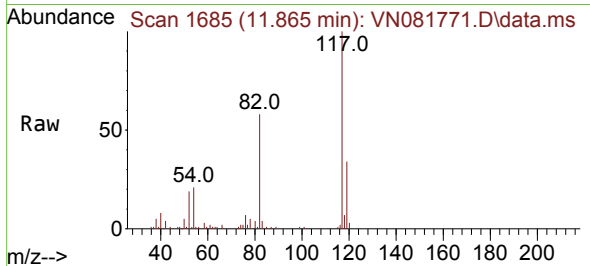
Tgt Ion: 173 Resp: 233
Ion Ratio Lower Upper
173 100
175 0.0 40.0 60.0#
254 0.0 8.3 12.5#



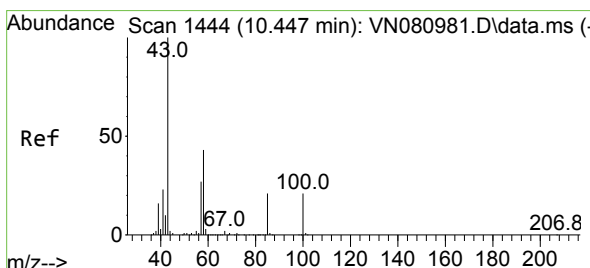
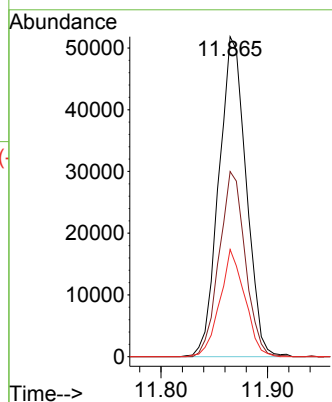
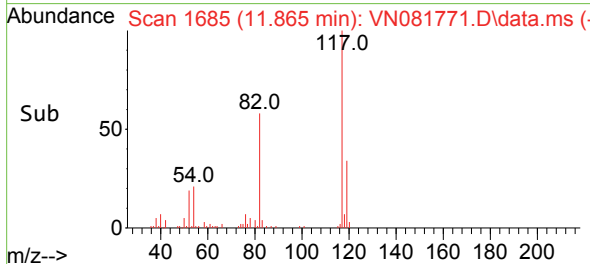


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN081771.D
Acq: 17 Apr 2024 14:25

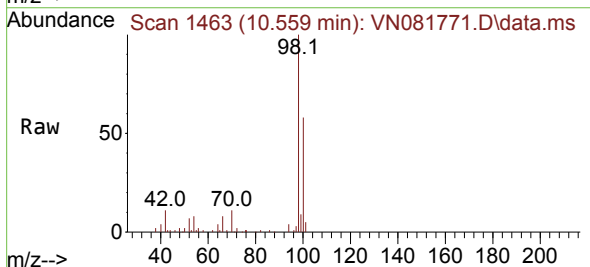
Instrument :
MSVOA_N
ClientSampleId :



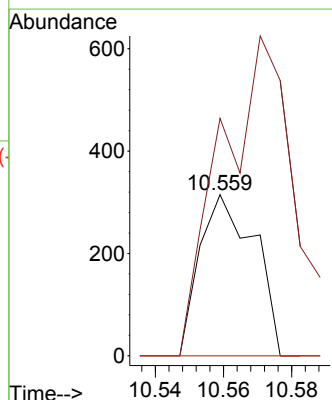
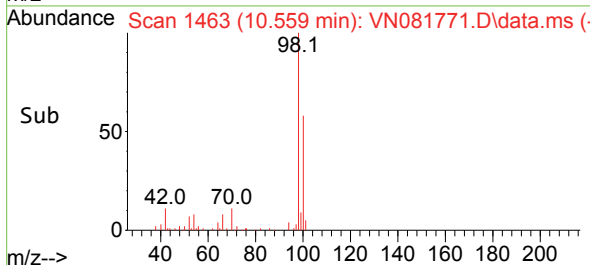
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.2	46.6	69.8
119	30.7	25.4	38.2

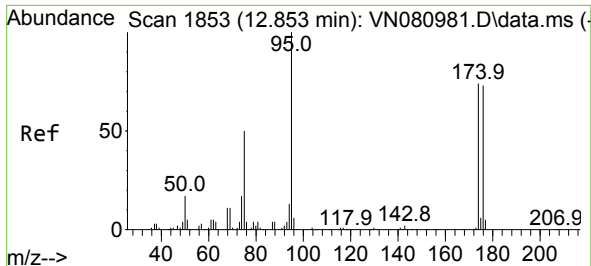


#58
4-Methyl-2-Pentanone
Concen: 0.222 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.112 min
Lab File: VN081771.D
Acq: 17 Apr 2024 14:25



Tgt Ion	Ratio	Lower	Upper
43	100		
58	260.2	36.5	54.7#
85	0.0	19.5	29.3#

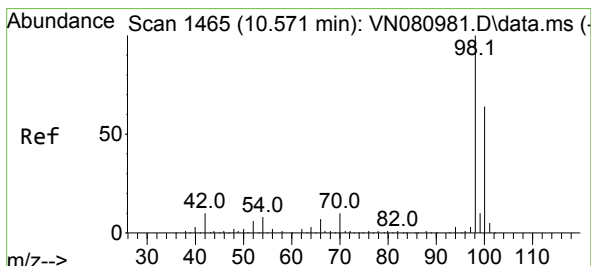
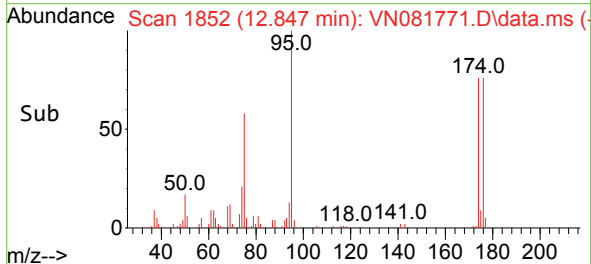
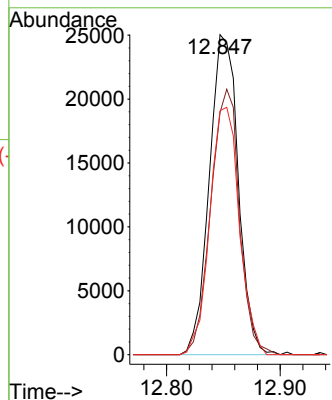
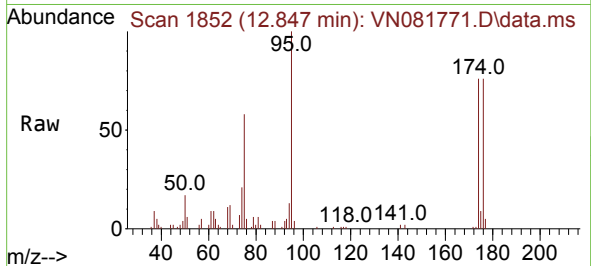




#60
4-Bromofluorobenzene
Concen: 24.473 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081771.D
Acq: 17 Apr 2024 14:25

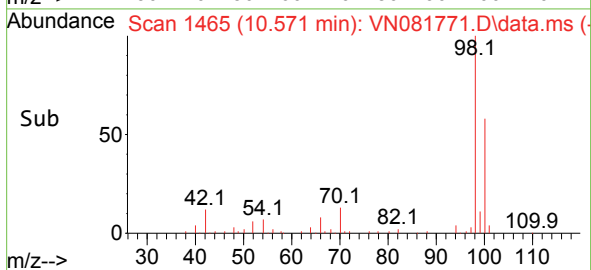
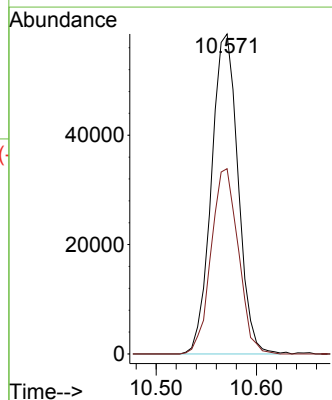
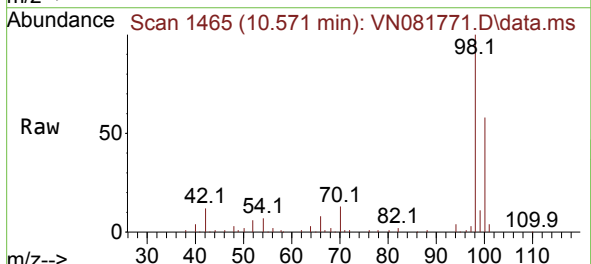
Instrument :
MSVOA_N
ClientSampleId :

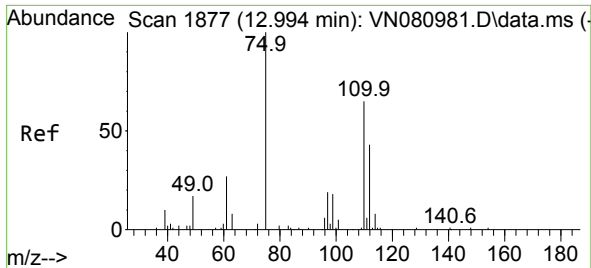
Tgt Ion: 95 Resp: 44337
Ion Ratio Lower Upper
95 100
174 81.7 60.5 90.7
176 78.8 57.8 86.6



#63
Toluene-d8
Concen: 29.275 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081771.D
Acq: 17 Apr 2024 14:25

Tgt Ion: 98 Resp: 108208
Ion Ratio Lower Upper
98 100
100 59.0 52.7 79.1

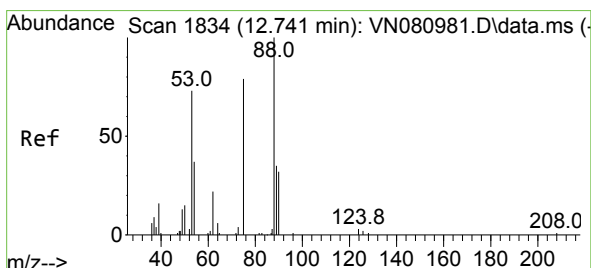
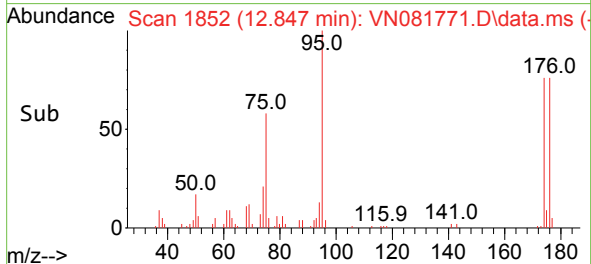
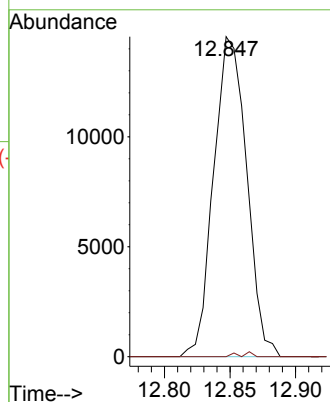
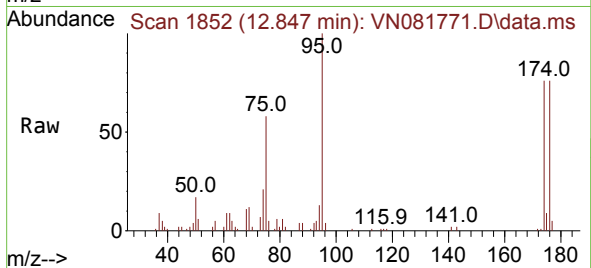




#72
1,2,3-Trichloropropane
Concen: 15.244 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081771.D
Acq: 17 Apr 2024 14:25

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 25493
Ion Ratio Lower Upper
75 100
77 0.2 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 36.811 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081771.D
Acq: 17 Apr 2024 14:25

Tgt Ion: 75 Resp: 25493
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

