

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041124\
 Data File : VN081700.D
 Acq On : 11 Apr 2024 16:38
 Operator : JC\MD
 Sample : P2086-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240410100-02

Quant Time: Apr 12 06:02:59 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)

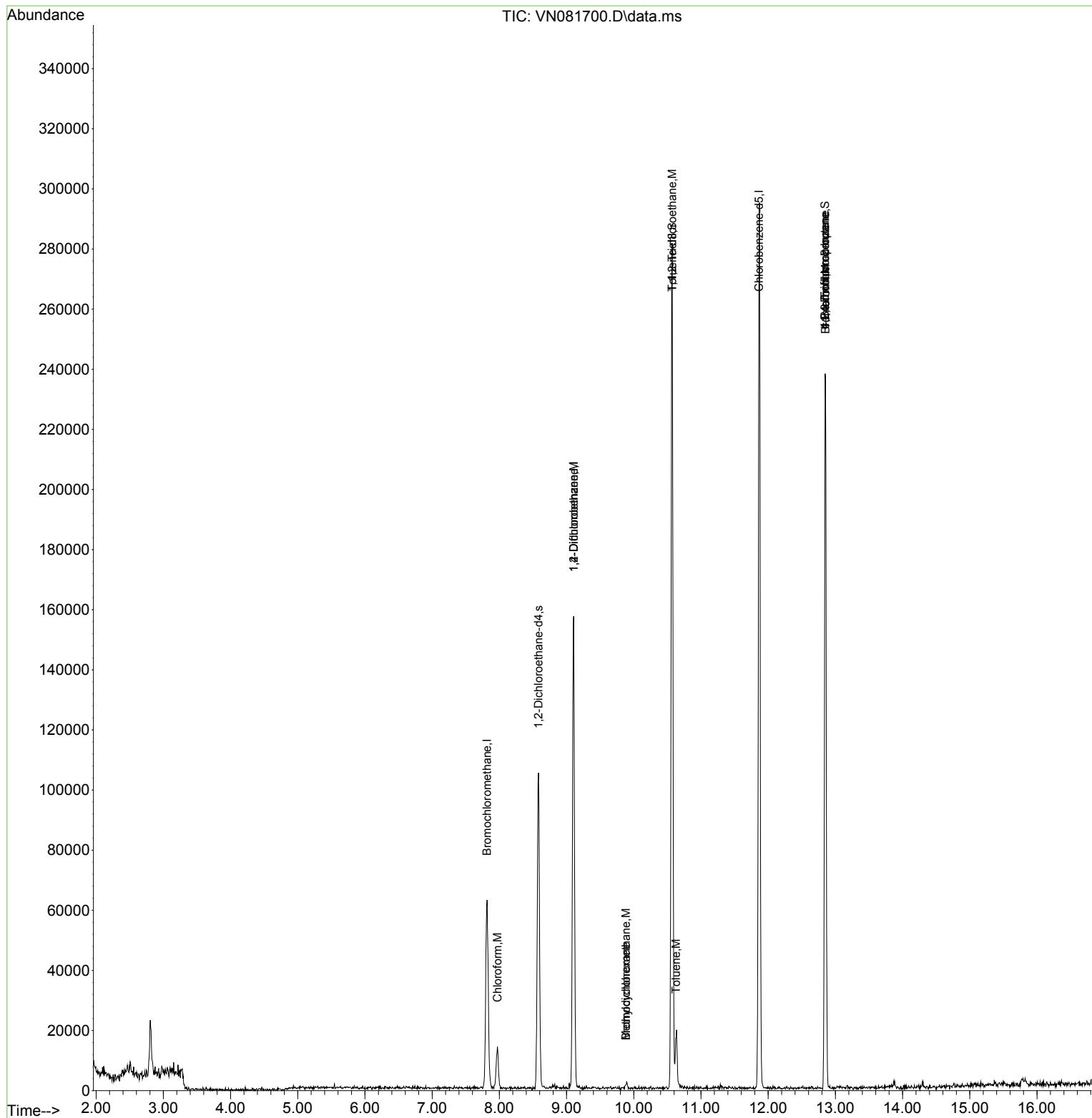
Internal Standards						
1) Bromochloromethane	7.818	128	15468	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	131604	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	174958	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	87595	46.097	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	153.667%#
60) 4-Bromofluorobenzene	12.847	95	80386	23.370	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	77.900%
63) Toluene-d8	10.570	98	193412	27.559	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	91.867%
Target Compounds						
					Qvalue	
25) Chloroform	7.971	83	13281	3.052	ug/l	91
36) 1,2-Dichloroethane	9.106	62	4761	1.302	ug/l #	72
38) Methylcyclohexane	9.882	83	1252	0.296	ug/l #	19
41) Bromodichloromethane	9.882	83	1252	0.296	ug/l #	48
50) 1,1,2-Trichloroethane	10.570	97	7443	2.684	ug/l #	1
56) Bromoform	12.853	173	1385	0.654	ug/l #	1
62) Toluene	10.629	91	13232	1.040	ug/l	91
72) 1,2,3-Trichloropropane	12.847	75	45875	14.449	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	45875	34.889	ug/l #	12

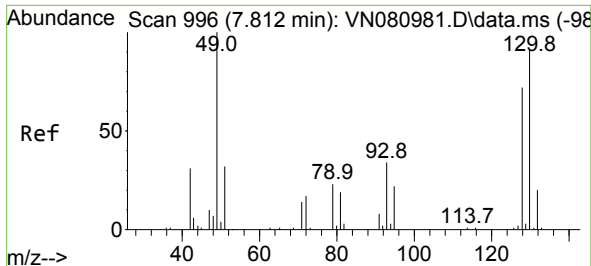
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
240410100-02

Quant Time: Apr 12 06:02:59 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

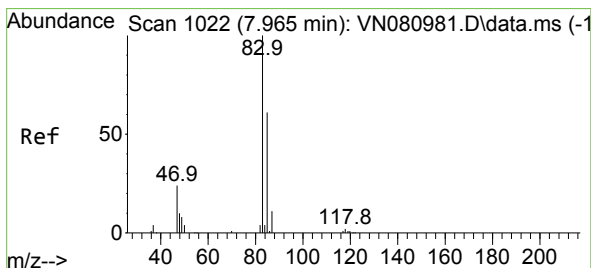
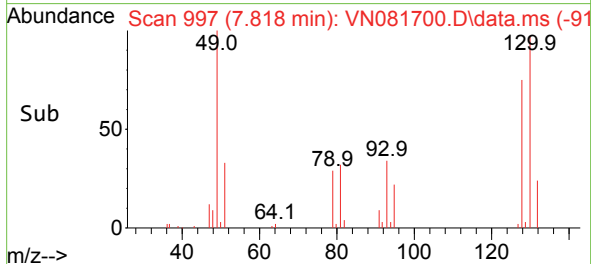
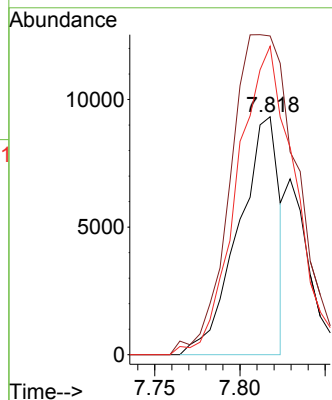
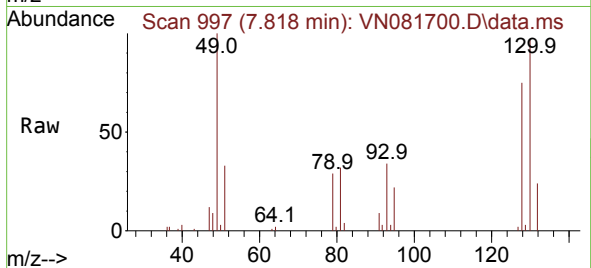




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. -0.006 min
Lab File: VN081700.D
Acq: 11 Apr 2024 16:38

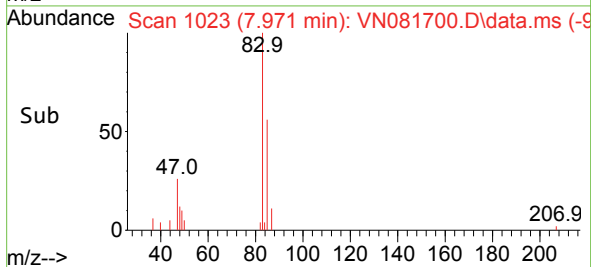
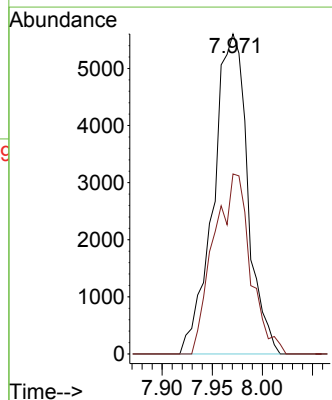
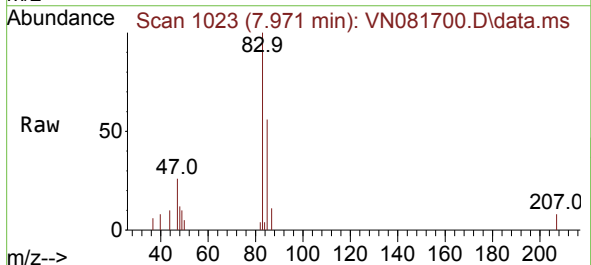
Instrument :
MSVOA_N
ClientSampleId :
240410100-02

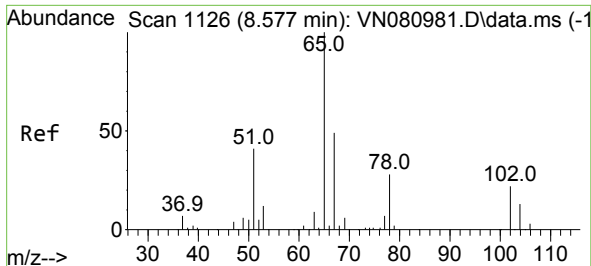
Tgt Ion:128 Resp: 15468
Ion Ratio Lower Upper
128 100
49 221.1 0.0 403.7
130 182.7 0.0 323.3



#25
Chloroform
Concen: 3.052 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. -0.000 min
Lab File: VN081700.D
Acq: 11 Apr 2024 16:38

Tgt Ion: 83 Resp: 13281
Ion Ratio Lower Upper
83 100
85 56.2 50.9 76.3





#27

1,2-Dichloroethane-d4

Concen: 46.097 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN081700.D

Acq: 11 Apr 2024 16:38

Instrument :

MSVOA_N

ClientSampleId :

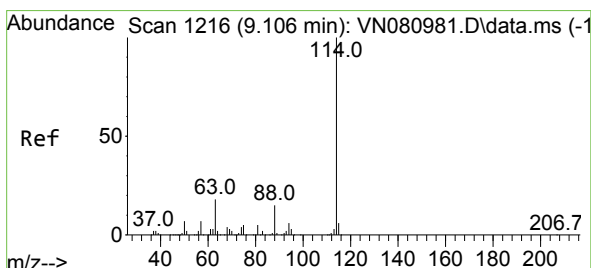
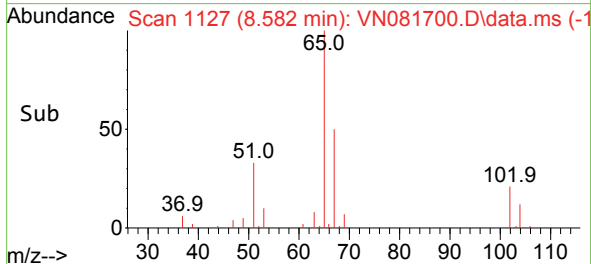
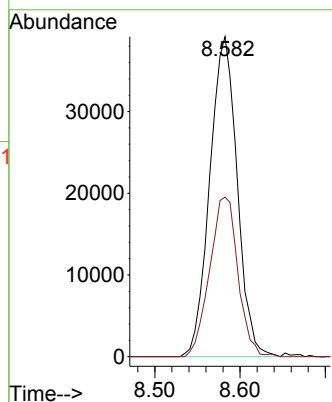
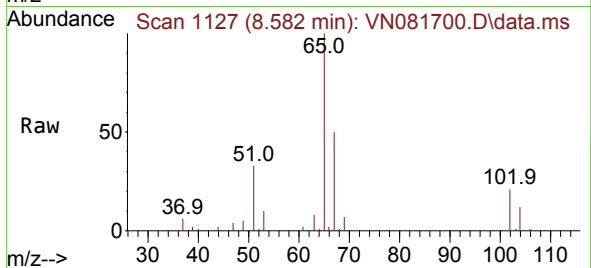
240410100-02

Tgt Ion: 65 Resp: 87595

Ion Ratio Lower Upper

65 100

67 51.3 43.2 64.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN081700.D

Acq: 11 Apr 2024 16:38

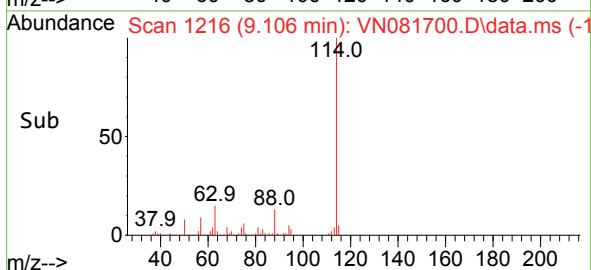
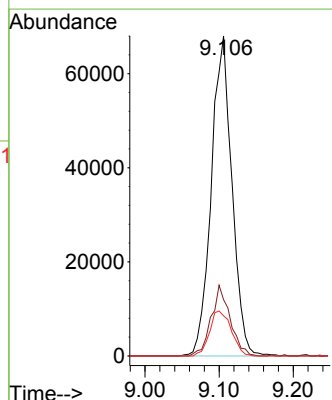
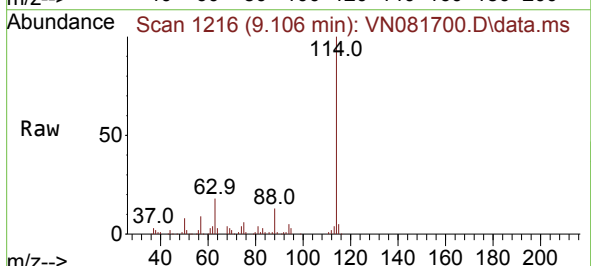
Tgt Ion: 114 Resp: 131604

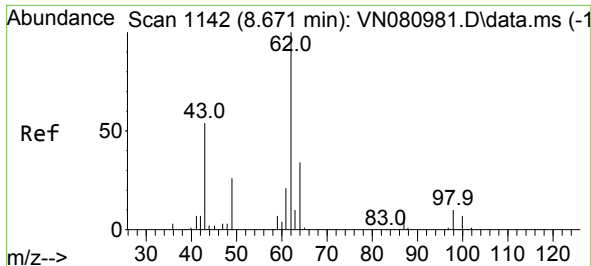
Ion Ratio Lower Upper

114 100

63 20.4 15.9 23.9

88 14.8 12.7 19.1





#36

1,2-Dichloroethane

Concen: 1.302 ug/l

RT: 9.106 min Scan# 1142

Delta R.T. 0.435 min

Lab File: VN081700.D

Acq: 11 Apr 2024 16:38

Instrument :

MSVOA_N

ClientSampleId :

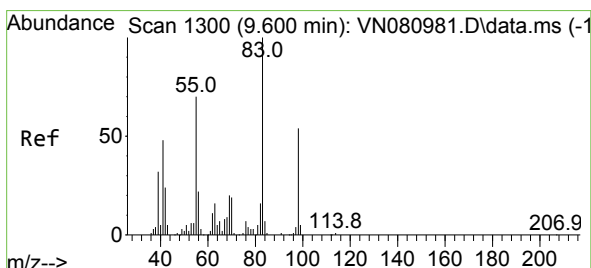
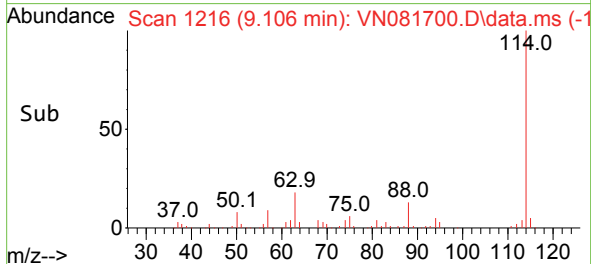
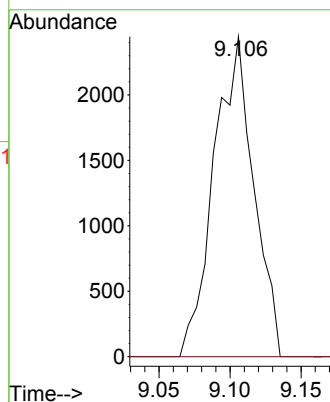
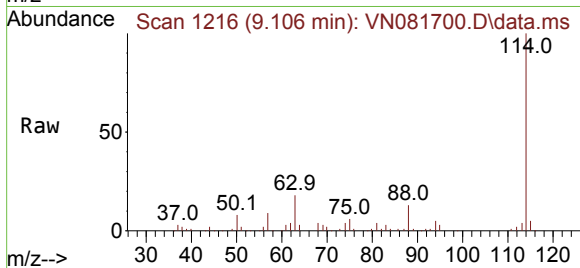
240410100-02

Tgt Ion: 62 Resp: 4761

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



#38

Methylcyclohexane

Concen: 0.296 ug/l

RT: 9.882 min Scan# 1348

Delta R.T. 0.276 min

Lab File: VN081700.D

Acq: 11 Apr 2024 16:38

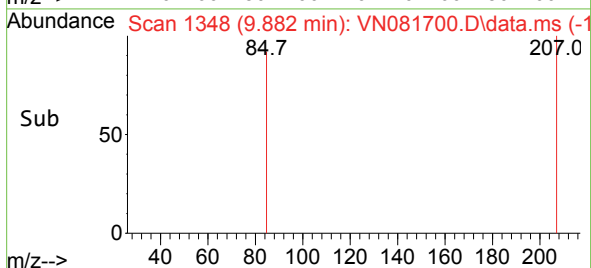
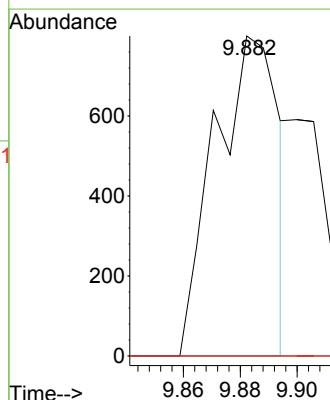
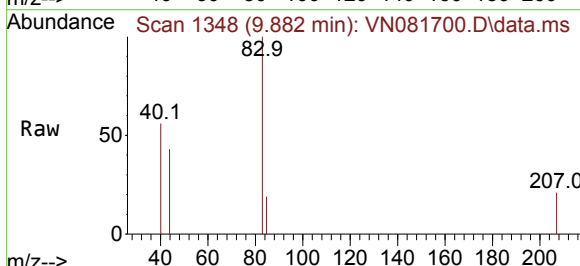
Tgt Ion: 83 Resp: 1252

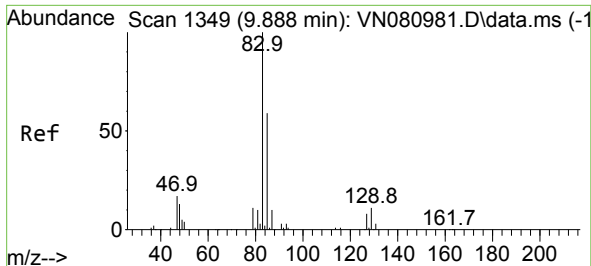
Ion Ratio Lower Upper

83 100

55 0.0 36.6 109.9#

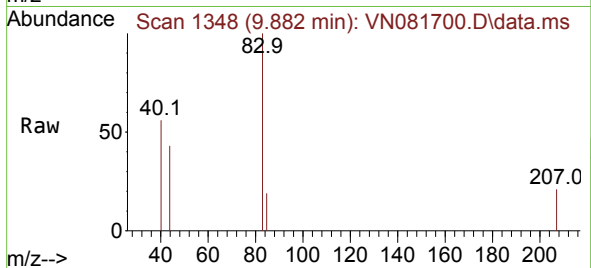
98 0.0 23.8 71.5#



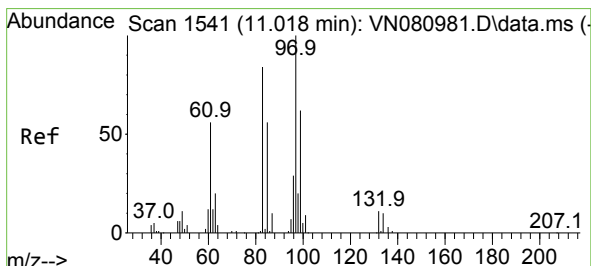
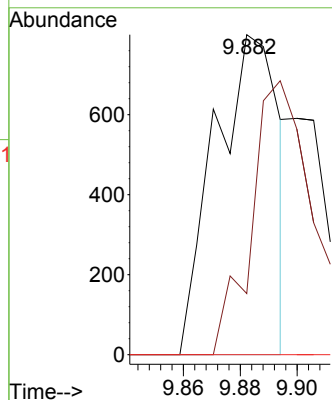
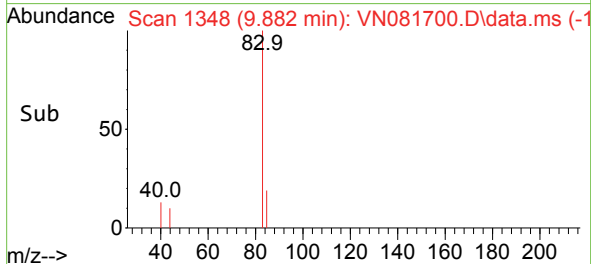


#41
Bromodichloromethane
Concen: 0.296 ug/l
RT: 9.882 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN081700.D
Acq: 11 Apr 2024 16:38

Instrument :
MSVOA_N
ClientSampleId :
240410100-02

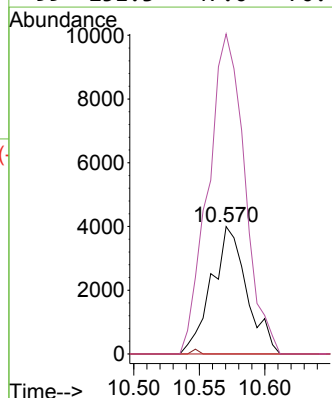
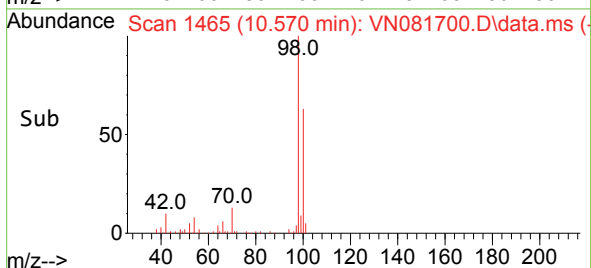
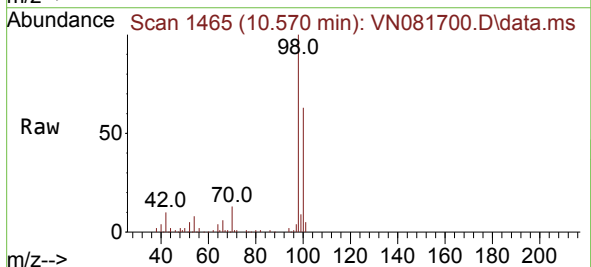


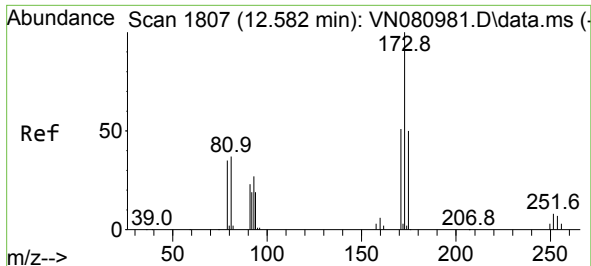
Tgt Ion: 83 Resp: 1252
Ion Ratio Lower Upper
83 100
85 19.1 49.4 74.2#
127 0.0 7.3 10.9#



#50
1,1,2-Trichloroethane
Concen: 2.684 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN081700.D
Acq: 11 Apr 2024 16:38

Tgt Ion: 97 Resp: 7443
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 251.3 47.0 70.4#

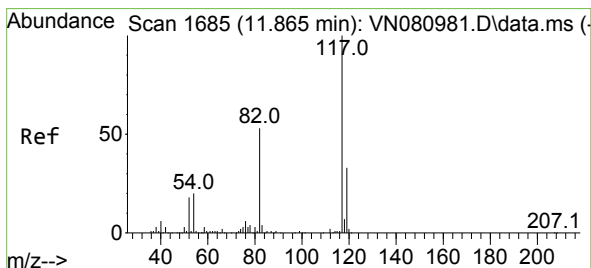
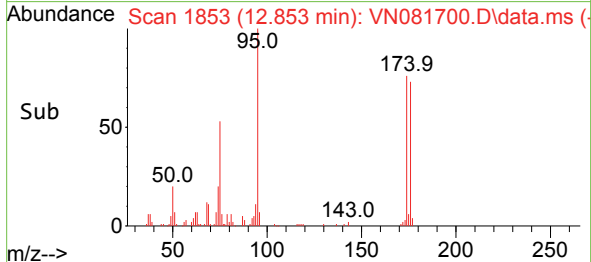
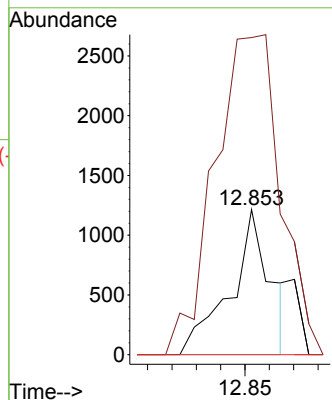
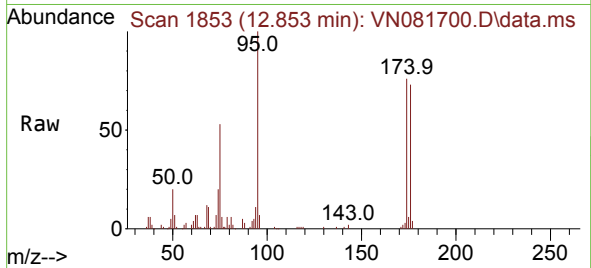




#56
Bromoform
Concen: 0.654 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.270 min
Lab File: VN081700.D
Acq: 11 Apr 2024 16:38

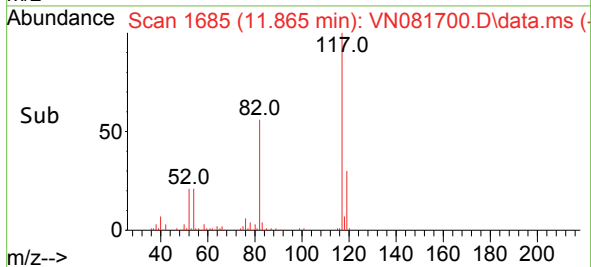
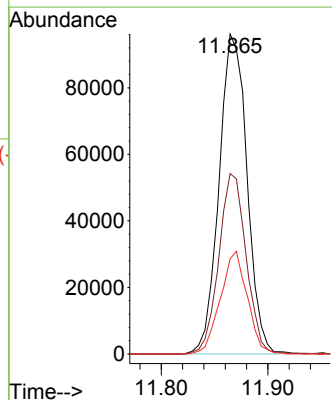
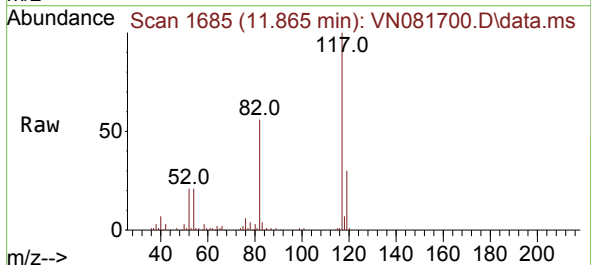
Instrument :
MSVOA_N
ClientSampleId :
240410100-02

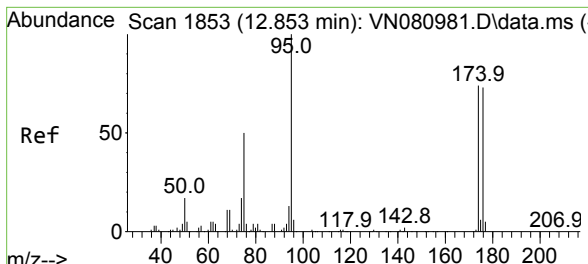
Tgt Ion:173 Resp: 1385
Ion Ratio Lower Upper
173 100
175 363.1 40.0 60.0#
254 0.0 8.3 12.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN081700.D
Acq: 11 Apr 2024 16:38

Tgt Ion:117 Resp: 174958
Ion Ratio Lower Upper
117 100
82 55.3 46.6 69.8
119 31.0 25.4 38.2

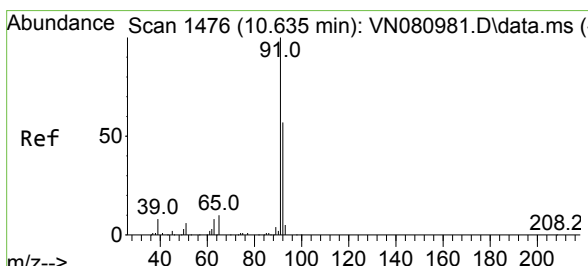
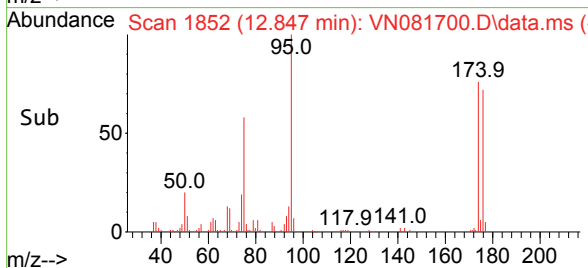
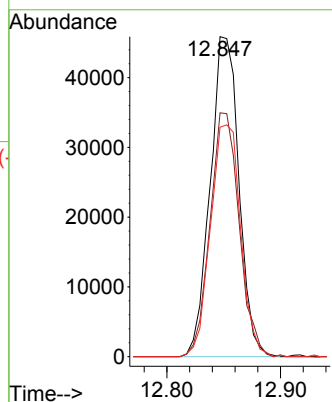
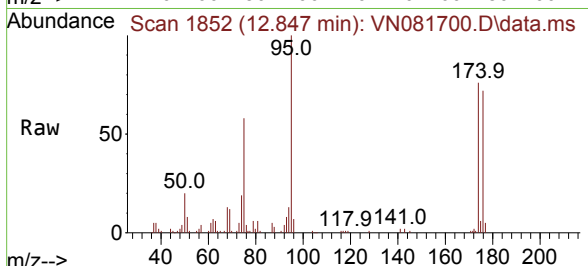




#60
4-Bromofluorobenzene
Concen: 23.370 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081700.D
Acq: 11 Apr 2024 16:38

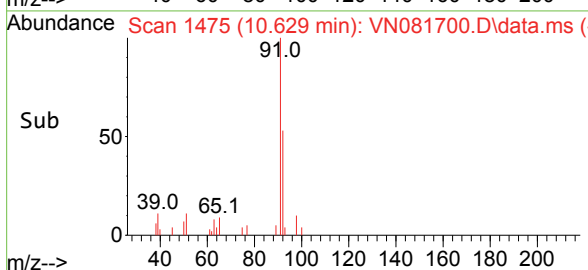
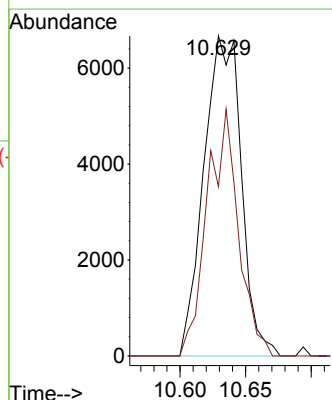
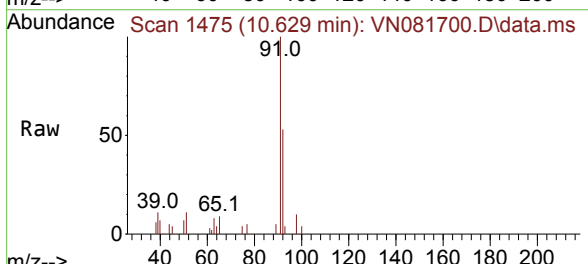
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240410100-02

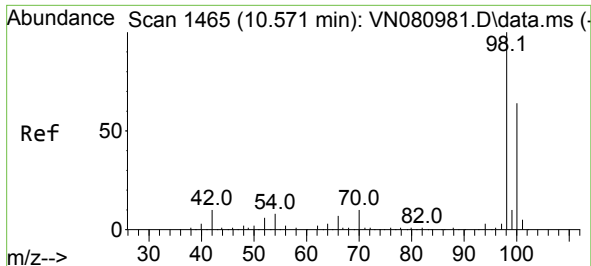
Tgt Ion:	95	Resp:	80386
Ion Ratio	Lower	Upper	
95	100		
174	77.4	60.5	90.7
176	76.0	57.8	86.6



#62
Toluene
Concen: 1.040 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN081700.D
Acq: 11 Apr 2024 16:38

Tgt Ion:	91	Resp:	13232
Ion Ratio	Lower	Upper	
91	100		
92	64.5	46.5	69.7

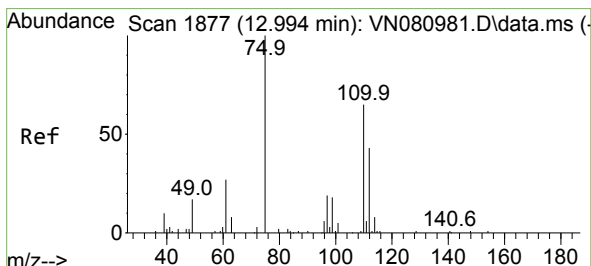
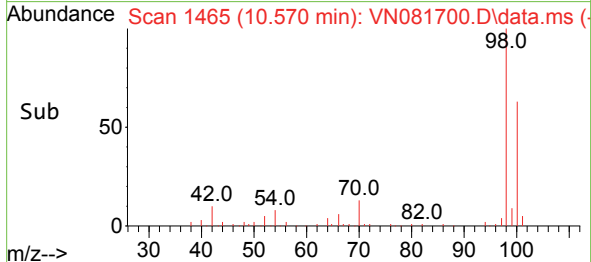
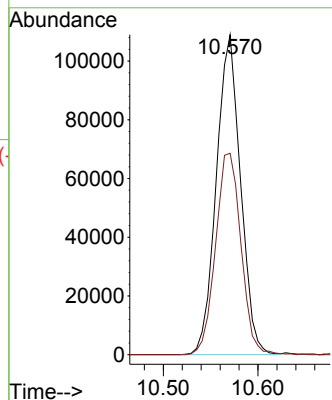
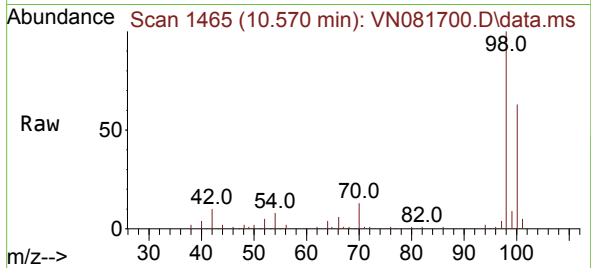




#63
Toluene-d8
Concen: 27.559 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081700.D
Acq: 11 Apr 2024 16:38

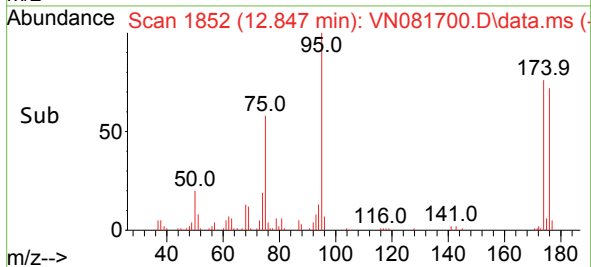
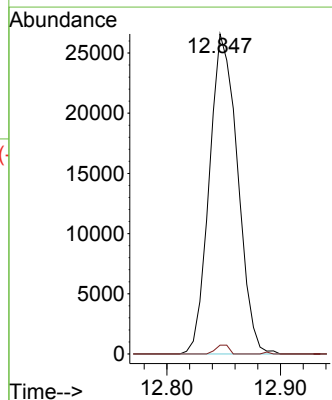
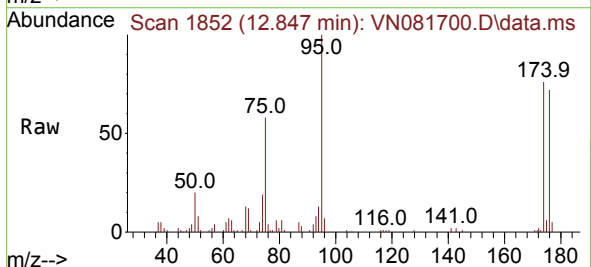
Instrument :
MSVOA_N
ClientSampleId :
240410100-02

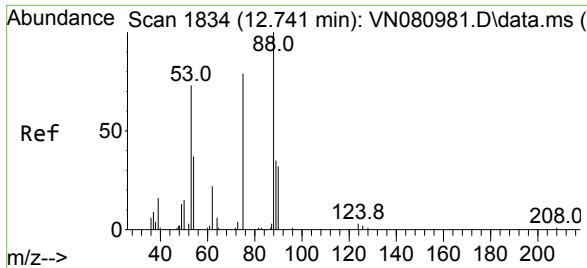
Tgt Ion: 98 Resp: 193412
Ion Ratio Lower Upper
98 100
100 66.1 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 14.449 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081700.D
Acq: 11 Apr 2024 16:38

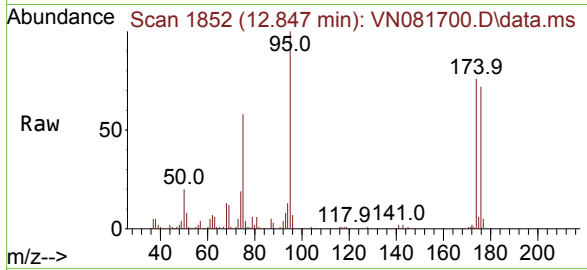
Tgt Ion: 75 Resp: 45875
Ion Ratio Lower Upper
75 100
77 1.3 0.0 367.6





#77
 t-1,4-Dichloro-2-butene
 Concen: 34.889 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN081700.D
 Acq: 11 Apr 2024 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 240410100-02



Tgt Ion: 75 Resp: 45875
 Ion Ratio Lower Upper
 75 100
 53 0.0 45.9 137.7#
 89 0.0 25.9 77.7#

