

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041124\
 Data File : VN081699.D
 Acq On : 11 Apr 2024 16:14
 Operator : JC\MD
 Sample : P2085-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240410005-02

Quant Time: Apr 12 06:02:39 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)

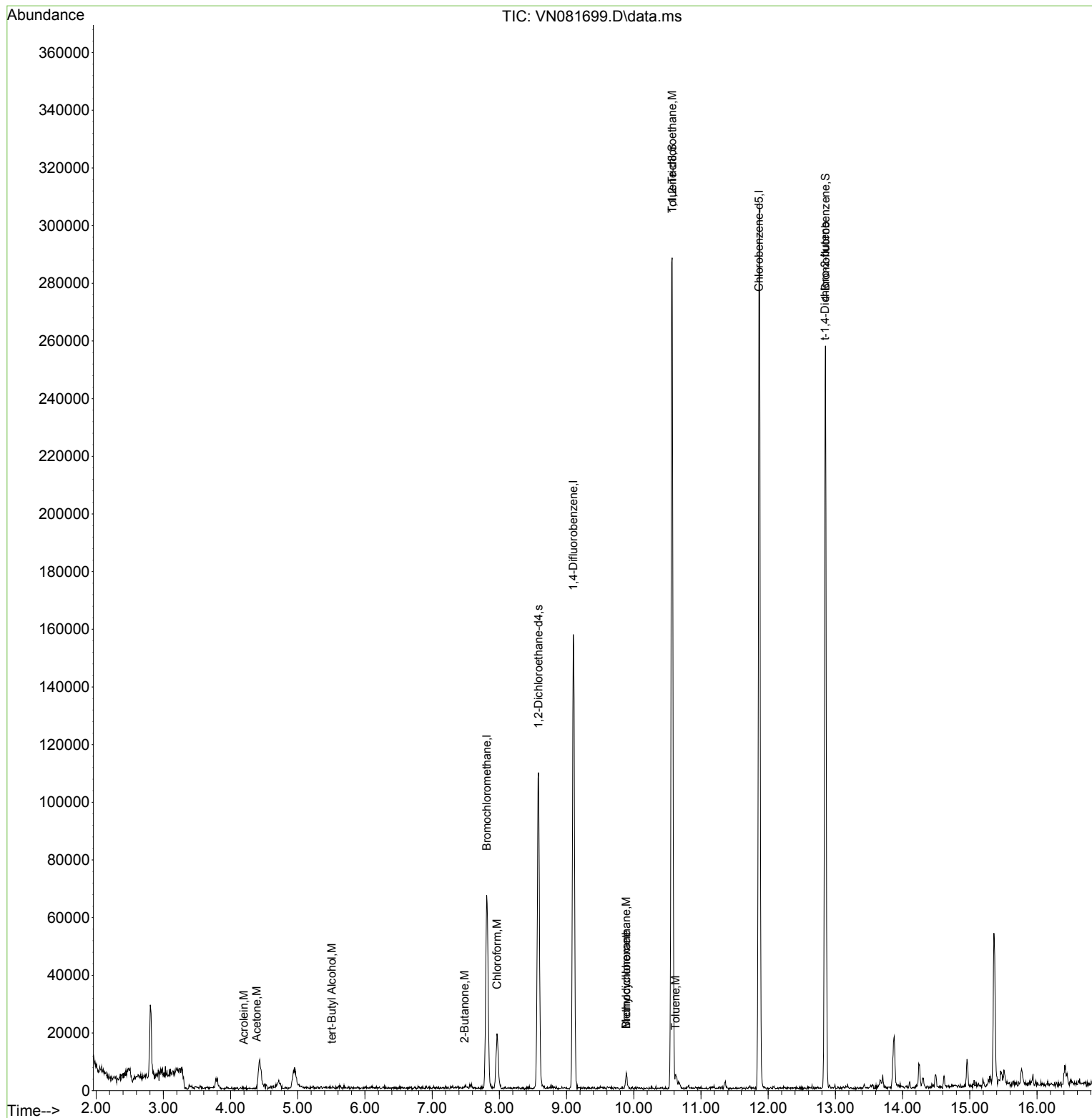
Internal Standards						
1) Bromochloromethane	7.812	128	22470	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.100	114	136551	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	180426	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	89834	32.543	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	108.467%
60) 4-Bromofluorobenzene	12.853	95	87149	24.568	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.900%
63) Toluene-d8	10.571	98	199807	27.608	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	92.033%
Target Compounds						
					Qvalue	
13) Acrolein	4.200	56	146	0.417	ug/l #	15
15) Acetone	4.389	58	77	0.265	ug/l	71
23) tert-Butyl Alcohol	5.506	59	168	0.358	ug/l #	100
25) Chloroform	7.965	83	16647	2.633	ug/l	89
30) 2-Butanone	7.483	43	784	0.572	ug/l #	56
38) Methylcyclohexane	9.888	83	2887	0.658	ug/l #	19
41) Bromodichloromethane	9.888	83	3416	0.779	ug/l #	80
50) 1,1,2-Trichloroethane	10.571	97	7712	2.680	ug/l #	1
62) Toluene	10.624	91	3404	0.259	ug/l #	69
77) t-1,4-Dichloro-2-butene	12.847	75	45416	33.493	ug/l #	12

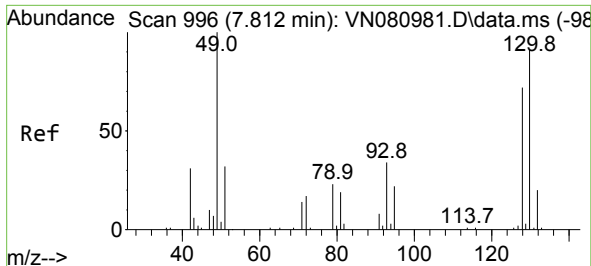
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041124\
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Instrument :
MSVOA_N
ClientSampleId :
240410005-02

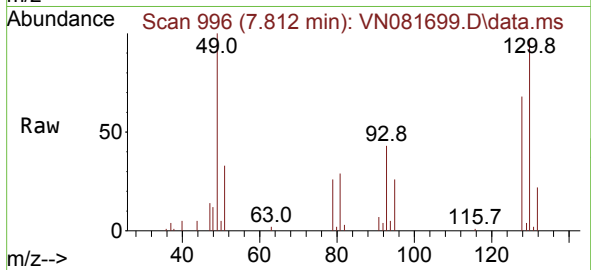
Quant Time: Apr 12 06:02:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 11 09:25:01 2024
Response via : Initial Calibration



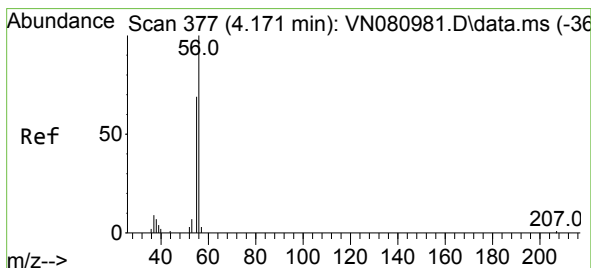
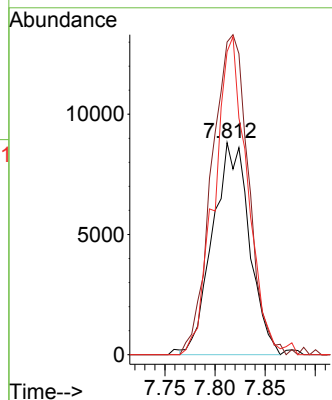
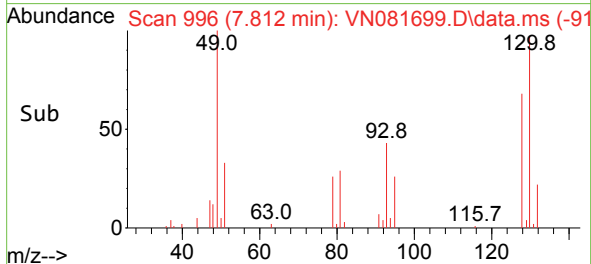


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.012 min
Lab File: VN081699.D
Acq: 11 Apr 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
240410005-02

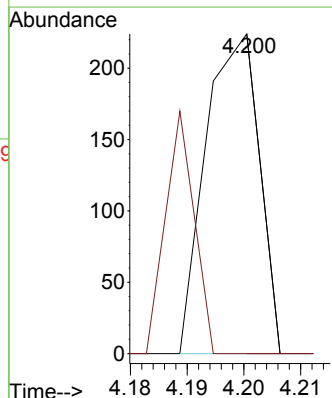
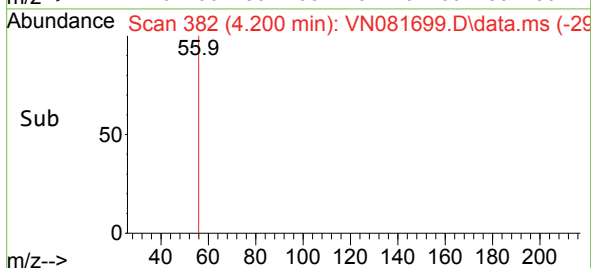
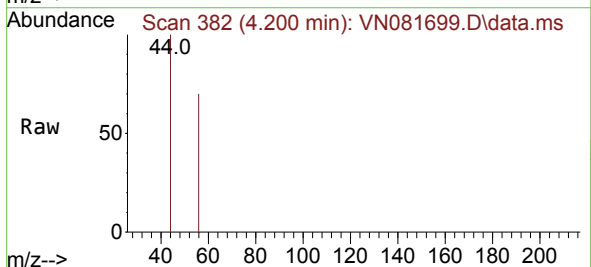


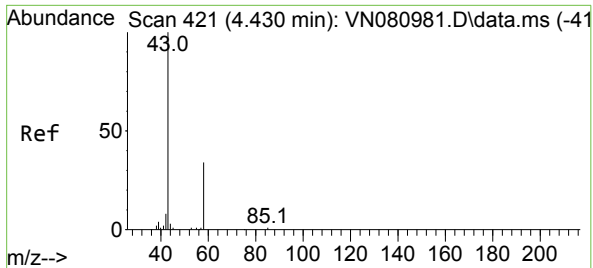
Tgt Ion:128 Resp: 22470
Ion Ratio Lower Upper
128 100
49 150.5 0.0 403.7
130 134.0 0.0 323.3



#13
Acrolein
Concen: 0.417 ug/l
RT: 4.200 min Scan# 382
Delta R.T. 0.018 min
Lab File: VN081699.D
Acq: 11 Apr 2024 16:14

Tgt Ion: 56 Resp: 146
Ion Ratio Lower Upper
56 100
55 0.0 55.5 83.3#





#15

Acetone

Concen: 0.265 ug/l

RT: 4.389 min Scan# 41

Delta R.T. -0.035 min

Lab File: VN081699.D

Acq: 11 Apr 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

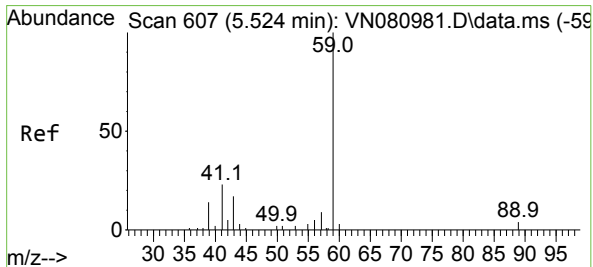
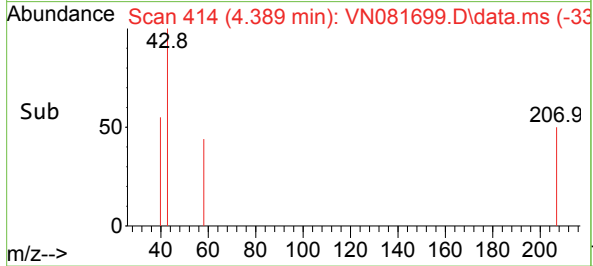
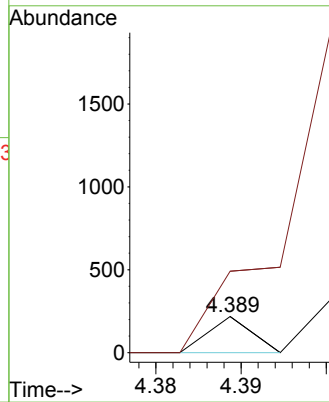
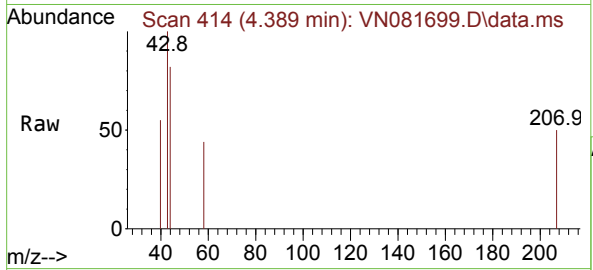
240410005-02

Tgt Ion: 58 Resp: 77

Ion Ratio Lower Upper

58 100

43 225.2 223.1 334.7



#23

tert-Butyl Alcohol

Concen: 0.358 ug/l

RT: 5.506 min Scan# 604

Delta R.T. -0.006 min

Lab File: VN081699.D

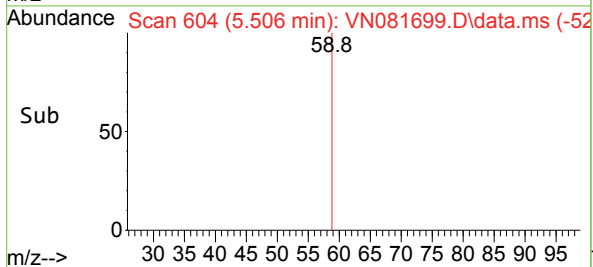
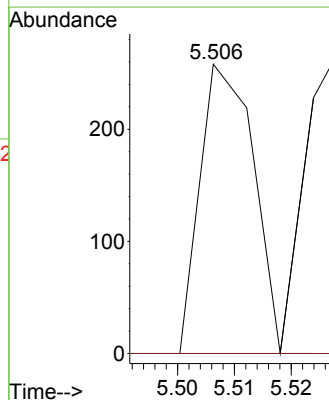
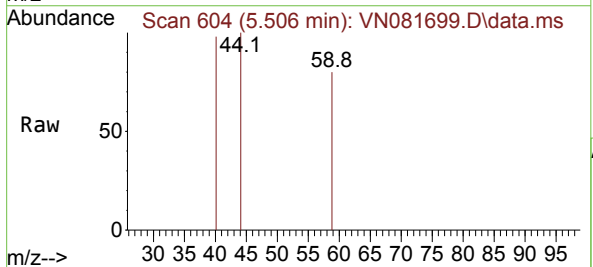
Acq: 11 Apr 2024 16:14

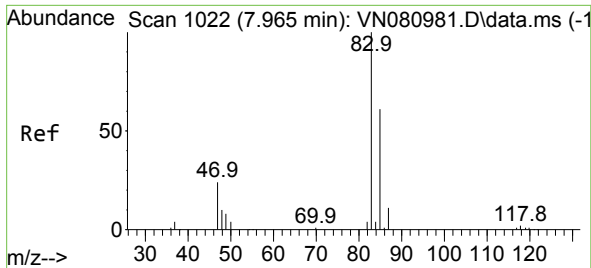
Tgt Ion: 59 Resp: 168

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0

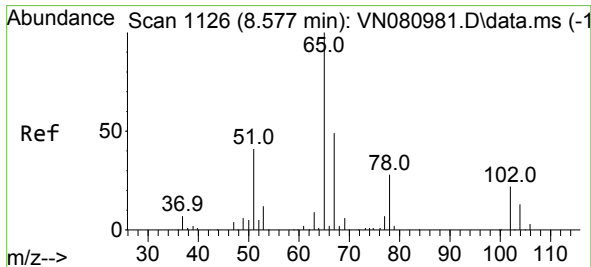
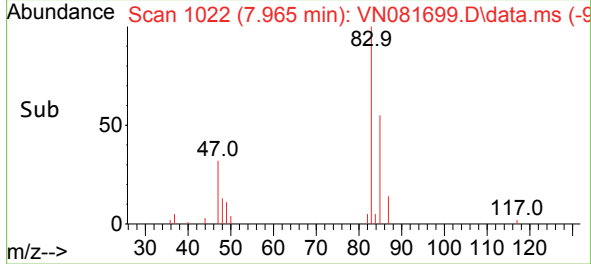
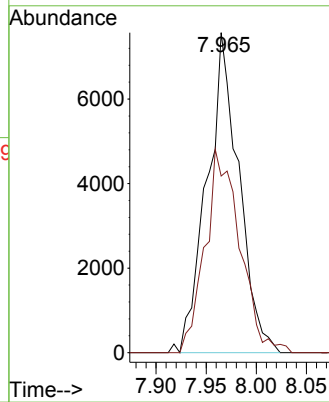
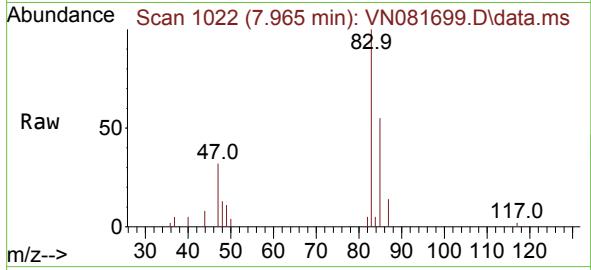




#25
Chloroform
Concen: 2.633 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.006 min
Lab File: VN081699.D
Acq: 11 Apr 2024 16:14

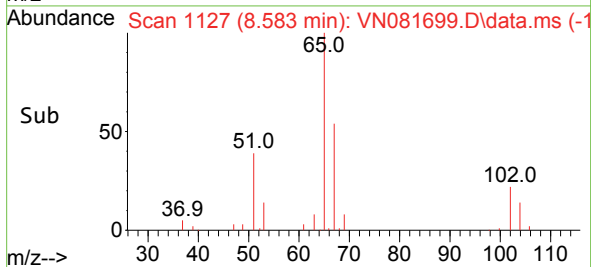
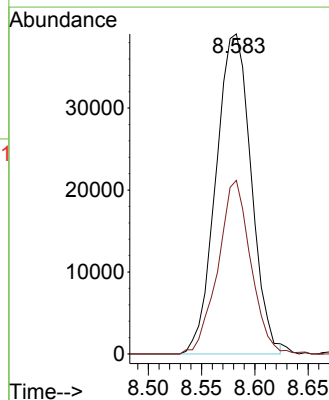
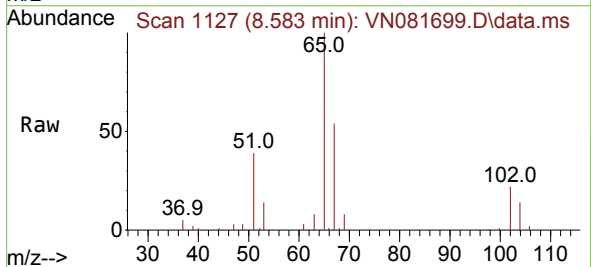
Instrument :
MSVOA_N
ClientSampleId :
240410005-02

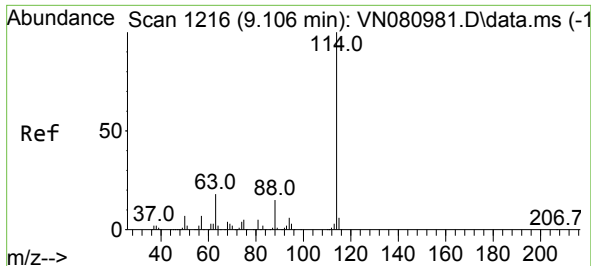
Tgt Ion: 83 Resp: 16647
Ion Ratio Lower Upper
83 100
85 55.2 50.9 76.3



#27
1,2-Dichloroethane-d4
Concen: 32.543 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN081699.D
Acq: 11 Apr 2024 16:14

Tgt Ion: 65 Resp: 89834
Ion Ratio Lower Upper
65 100
67 50.4 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN081699.D

Acq: 11 Apr 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

240410005-02

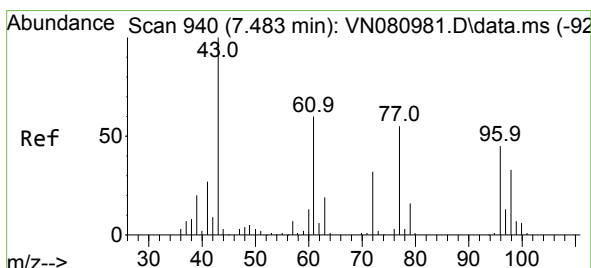
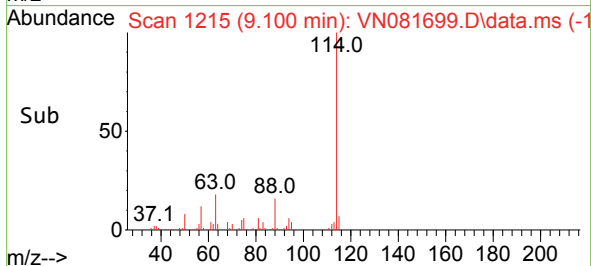
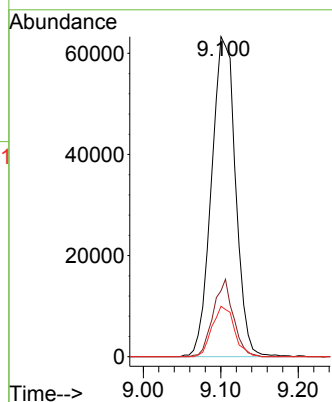
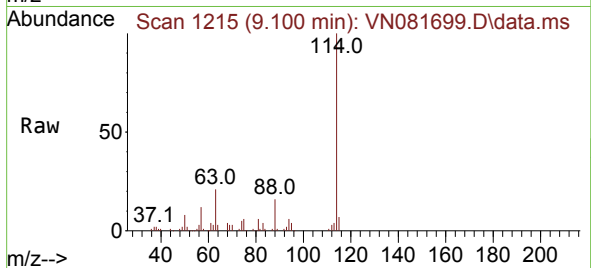
Tgt Ion:114 Resp: 136551

Ion Ratio Lower Upper

114 100

63 20.2 15.9 23.9

88 14.7 12.7 19.1



#30

2-Butanone

Concen: 0.572 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.000 min

Lab File: VN081699.D

Acq: 11 Apr 2024 16:14

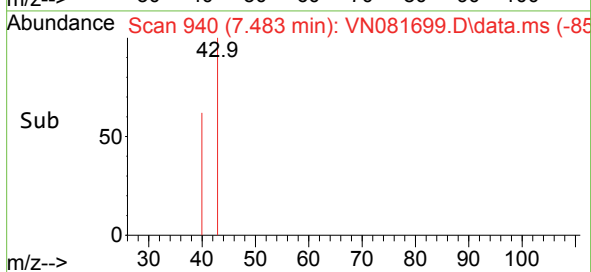
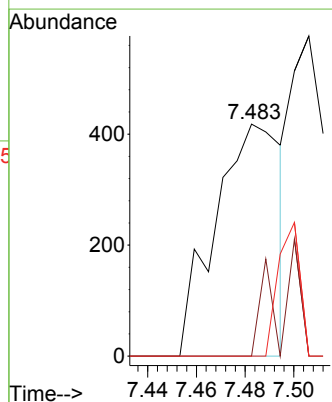
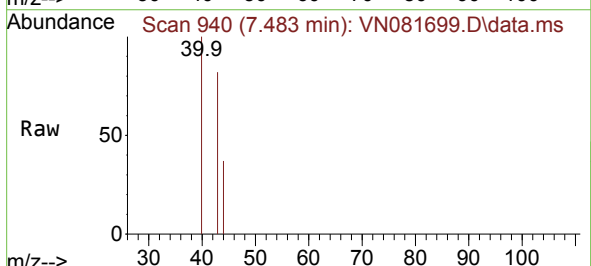
Tgt Ion: 43 Resp: 784

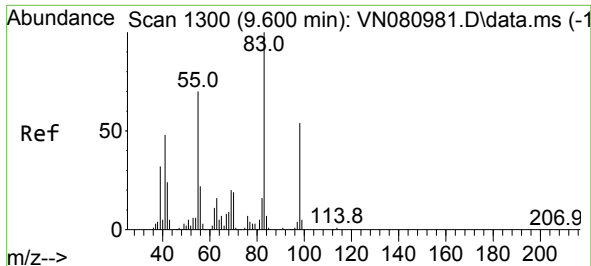
Ion Ratio Lower Upper

43 100

57 7.9 6.7 10.1

72 0.0 24.0 36.0#

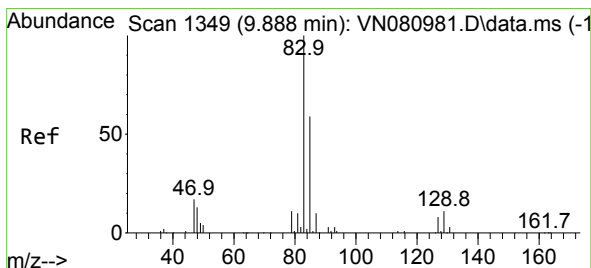
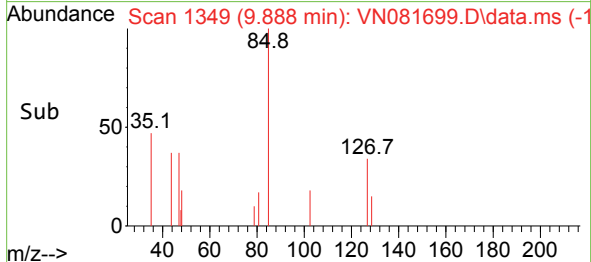
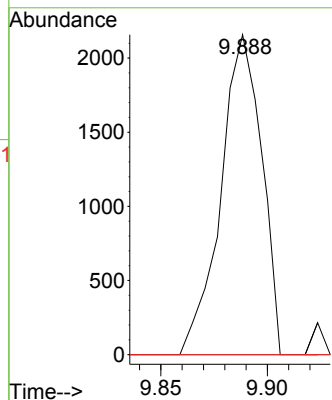
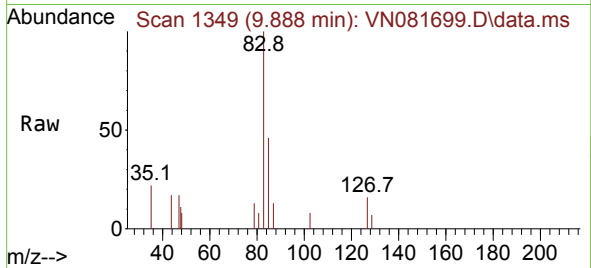




#38
Methylcyclohexane
Concen: 0.658 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.282 min
Lab File: VN081699.D
Acq: 11 Apr 2024 16:14

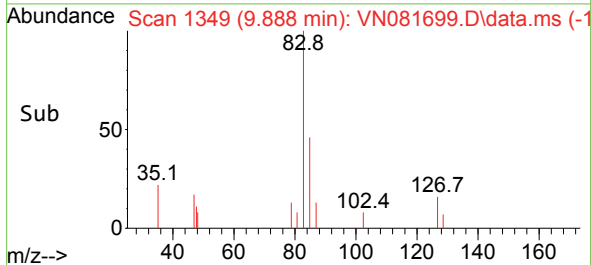
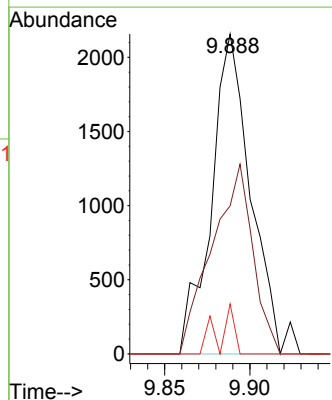
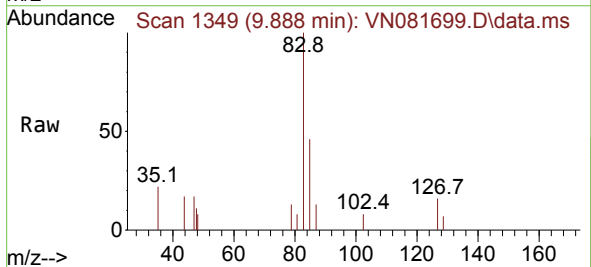
Instrument :
MSVOA_N
ClientSampleId :
240410005-02

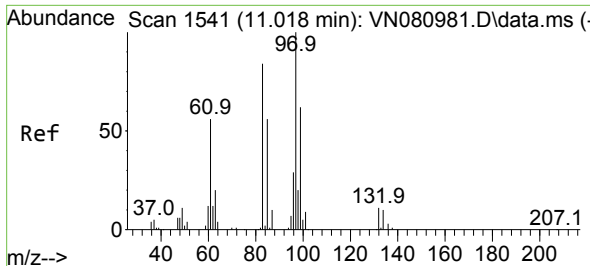
Tgt Ion: 83 Resp: 2887
Ion Ratio Lower Upper
83 100
55 0.0 36.6 109.9#
98 0.0 23.8 71.5#



#41
Bromodichloromethane
Concen: 0.779 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VN081699.D
Acq: 11 Apr 2024 16:14

Tgt Ion: 83 Resp: 3416
Ion Ratio Lower Upper
83 100
85 46.3 49.4 74.2#
127 15.7 7.3 10.9#

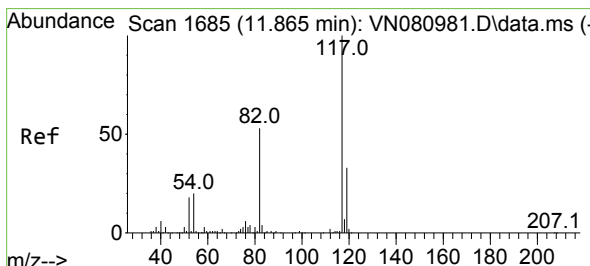
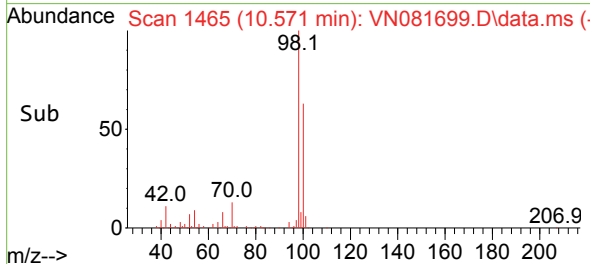
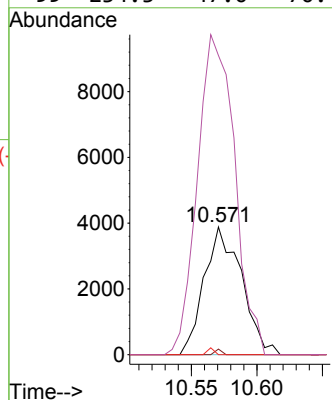
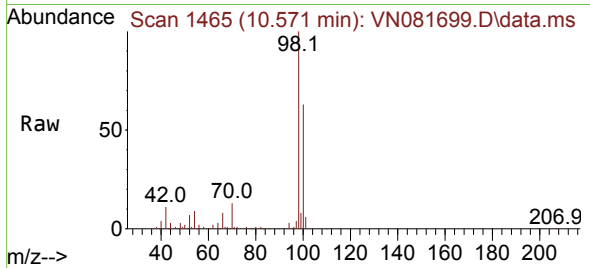




#50
1,1,2-Trichloroethane
Concen: 2.680 ug/l
RT: 10.571 min Scan# 14
Delta R.T. -0.447 min
Lab File: VN081699.D
Acq: 11 Apr 2024 16:14

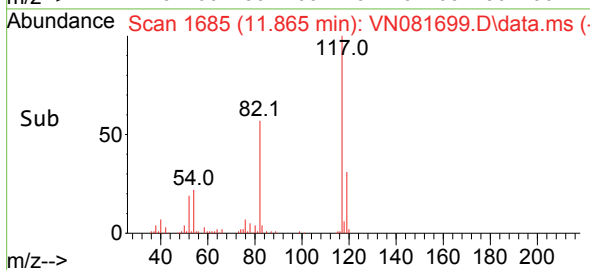
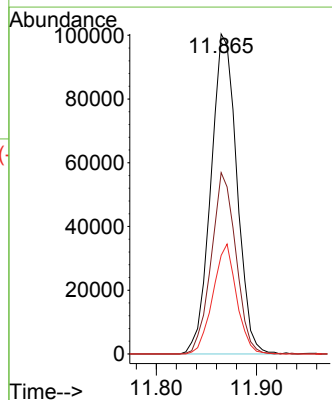
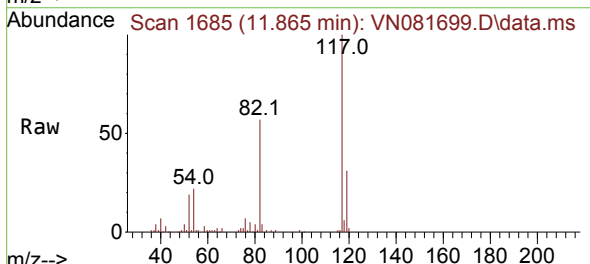
Instrument :
MSVOA_N
ClientSampleId :
240410005-02

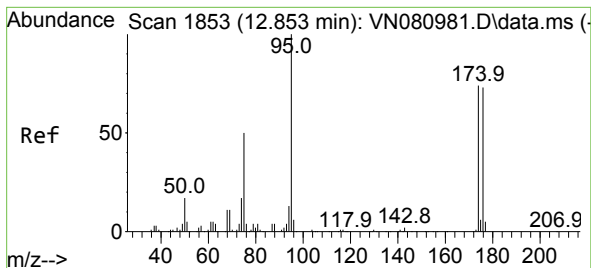
Tgt Ion: 97	Resp:	7712
Ion	Ratio	Lower Upper
97	100	
83	4.4	68.1 102.1#
85	0.0	41.8 62.6#
99	234.3	47.0 70.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081699.D
Acq: 11 Apr 2024 16:14

Tgt Ion: 117	Resp:	180426
Ion	Ratio	Lower Upper
117	100	
82	53.7	46.6 69.8
119	31.4	25.4 38.2

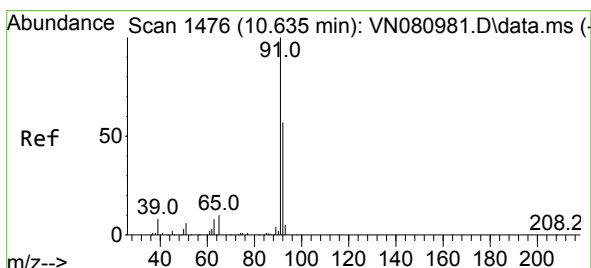
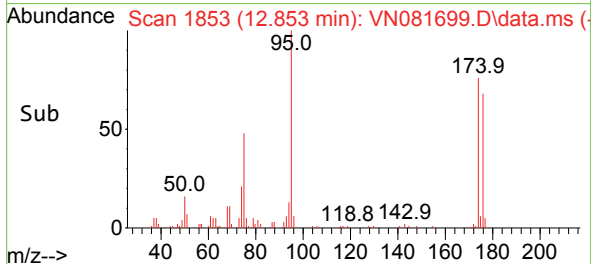
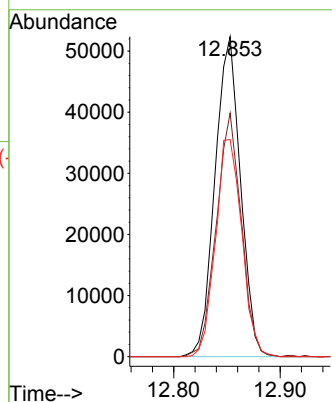
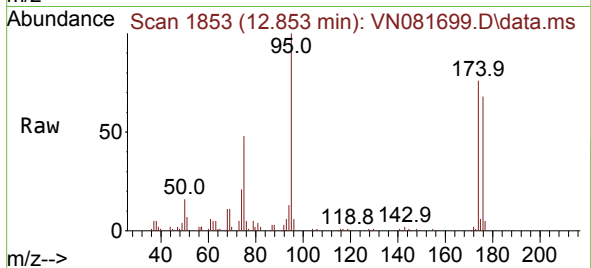




#60
4-Bromofluorobenzene
Concen: 24.568 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081699.D
Acq: 11 Apr 2024 16:14

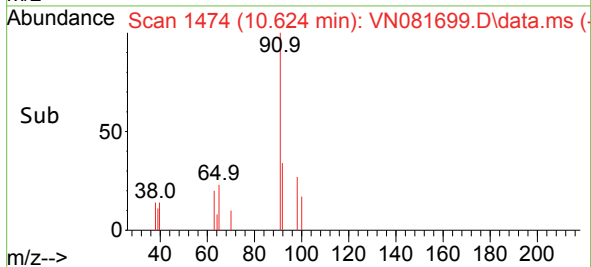
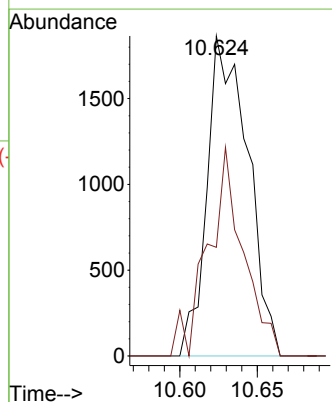
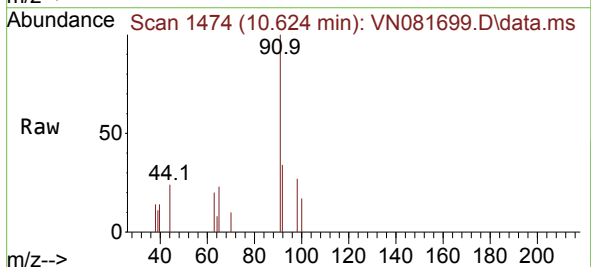
Instrument :
MSVOA_N
ClientSampleId :
240410005-02

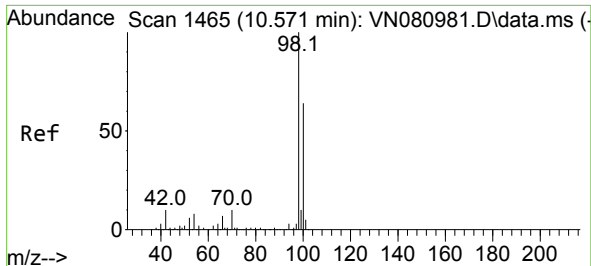
Tgt Ion: 95 Resp: 87149
Ion Ratio Lower Upper
95 100
174 74.4 60.5 90.7
176 70.0 57.8 86.6



#62
Toluene
Concen: 0.259 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN081699.D
Acq: 11 Apr 2024 16:14

Tgt Ion: 91 Resp: 3404
Ion Ratio Lower Upper
91 100
92 34.9 46.5 69.7#

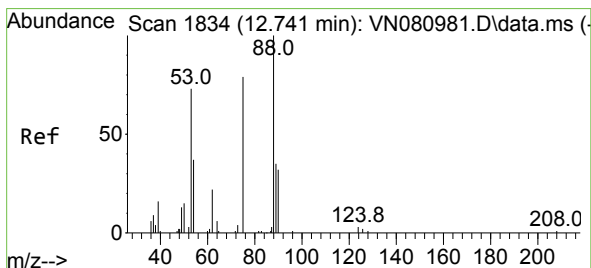
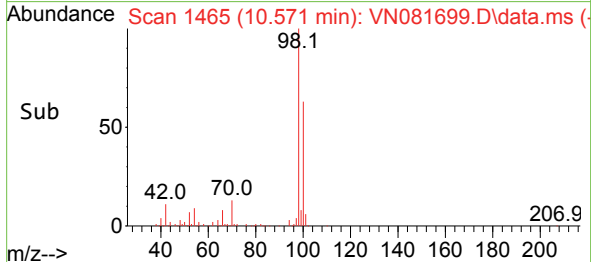
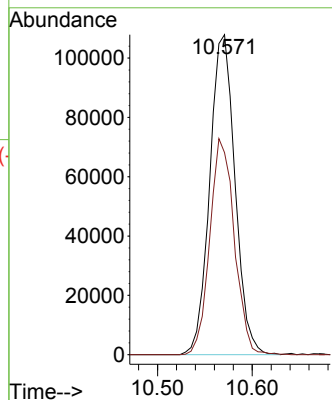
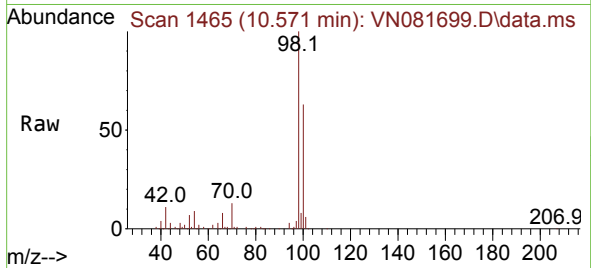




#63
Toluene-d8
Concen: 27.608 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081699.D
Acq: 11 Apr 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
240410005-02

Tgt Ion: 98 Resp: 199807
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 33.493 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081699.D
Acq: 11 Apr 2024 16:14

Tgt Ion: 75 Resp: 45416
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

