

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051424\
 Data File : VN082122.D
 Acq On : 14 May 2024 18:03
 Operator : JC\MD
 Sample : P2462-03RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 15 02:50:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 14 11:29:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

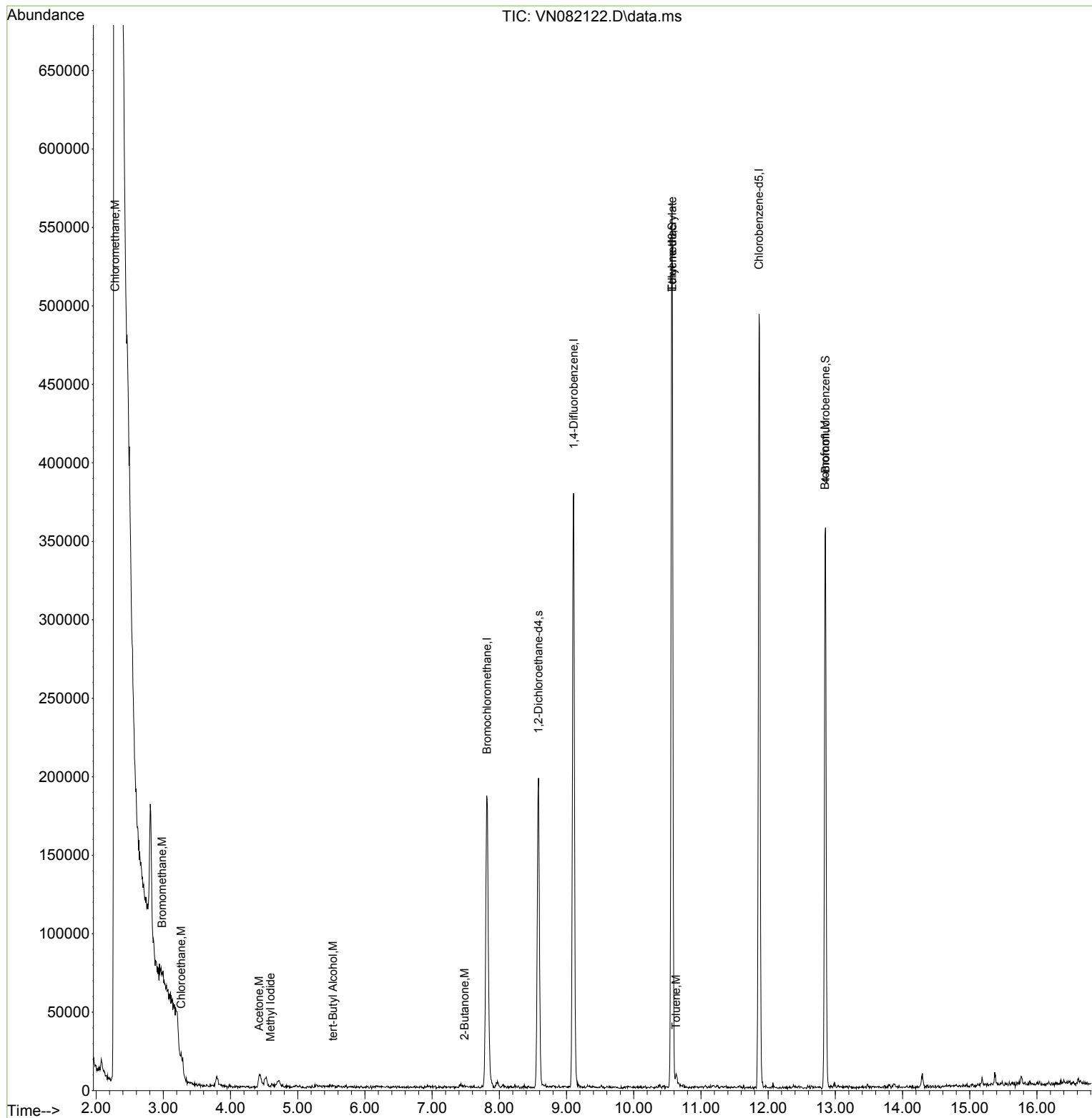
Internal Standards						
1) Bromochloromethane	7.818	128	57614	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	300616	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	265490	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	157082	32.564	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	108.533%
60) 4-Bromofluorobenzene	12.853	95	112092	25.370	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.567%
63) Toluene-d8	10.571	98	372612	29.553	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.500%
Target Compounds						
					Qvalue	
3) Chloromethane	2.283	50	199750	52.666	ug/l #	44
5) Bromomethane	2.983	94	4172	2.231	ug/l	99
6) Chloroethane	3.265	64	903	0.445	ug/l #	50
11) Methyl Iodide	4.595	142	1028	0.320	ug/l #	36
15) Acetone	4.424	58	1776	3.919	ug/l	81
23) tert-Butyl Alcohol	5.524	59	298	0.360	ug/l #	100
30) 2-Butanone	7.483	43	939	0.407	ug/l #	72
51) Ethyl methacrylate	10.571	69	1722	0.286	ug/l	71
56) Bromoform	12.847	173	934	0.442	ug/l #	1
62) Toluene	10.630	91	3421	0.229	ug/l #	81

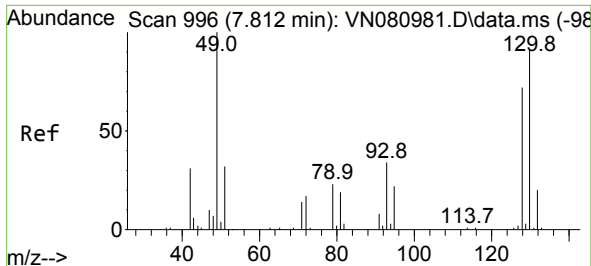
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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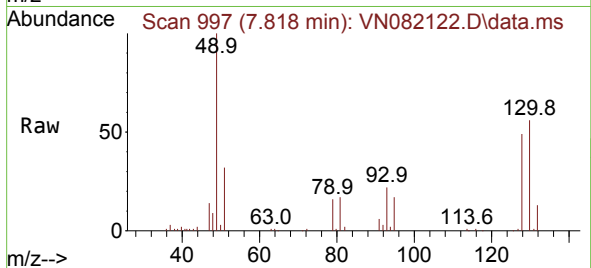
Quant Time: May 15 02:50:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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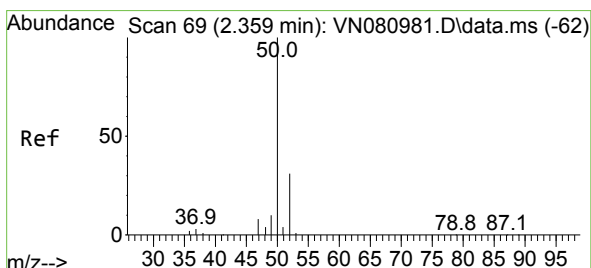
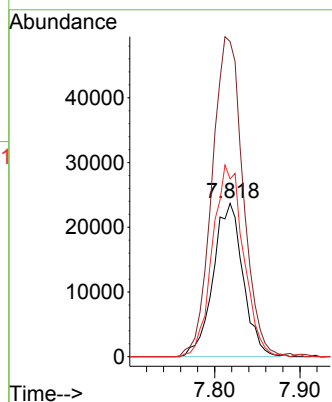
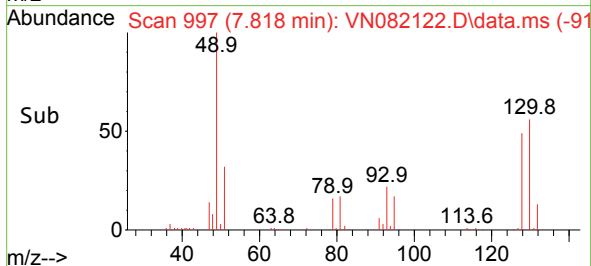


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN082122.D
Acq: 14 May 2024 18:03

Instrument :
MSVOA_N
ClientSampleId :

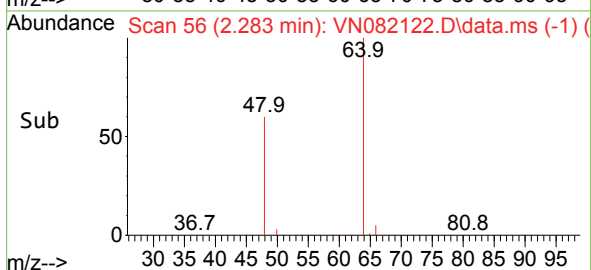
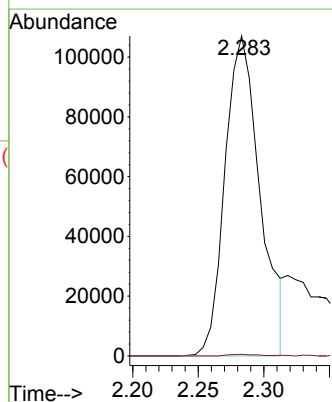
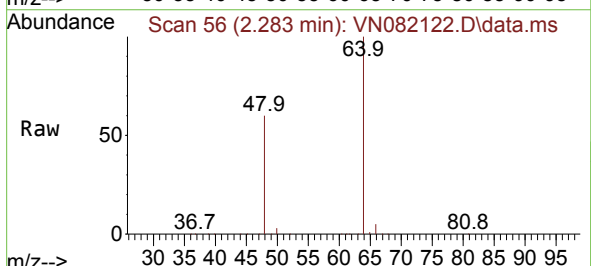


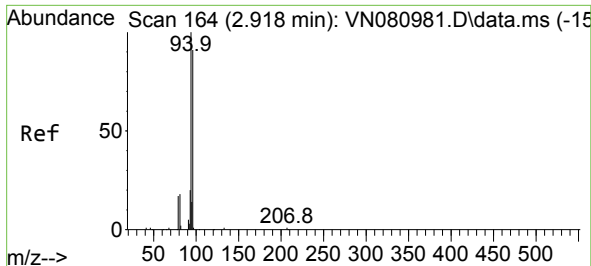
Tgt Ion:128 Resp: 57614
Ion Ratio Lower Upper
128 100
49 216.9 0.0 403.7
130 129.6 0.0 323.3



#3
Chloromethane
Concen: 52.666 ug/l
RT: 2.283 min Scan# 56
Delta R.T. -0.076 min
Lab File: VN082122.D
Acq: 14 May 2024 18:03

Tgt Ion: 50 Resp: 199750
Ion Ratio Lower Upper
50 100
52 0.5 25.4 38.0#

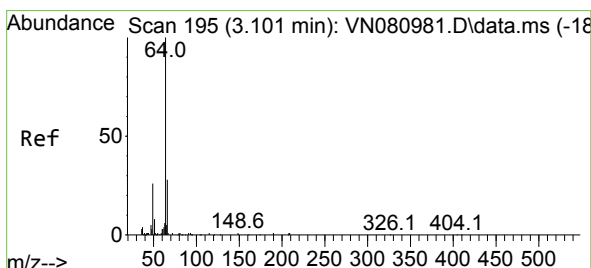
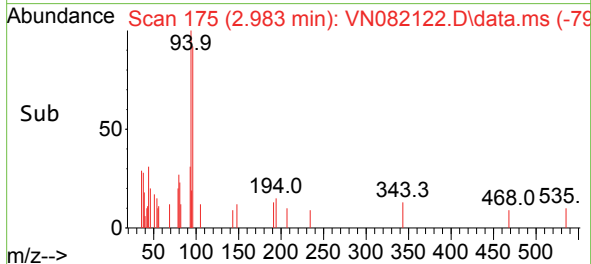
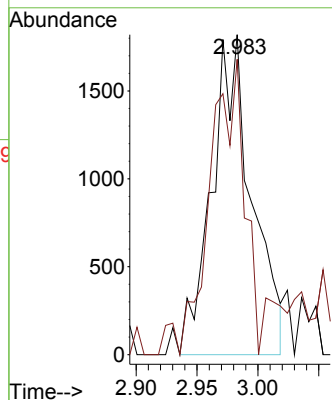
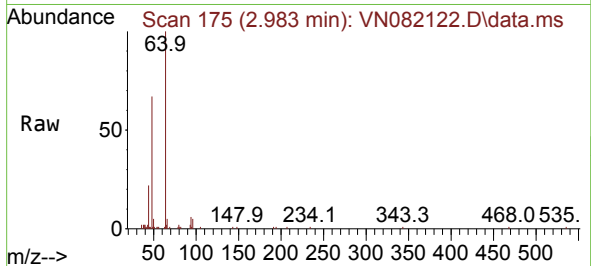




#5
Bromomethane
Concen: 2.231 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN082122.D
Acq: 14 May 2024 18:03

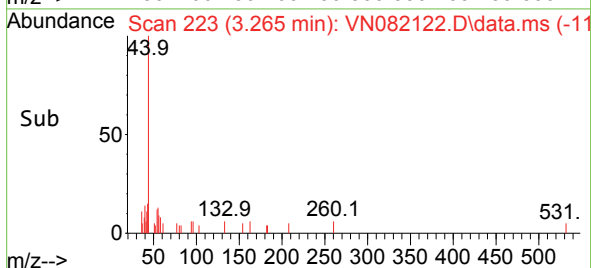
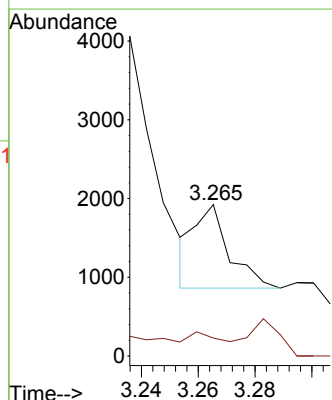
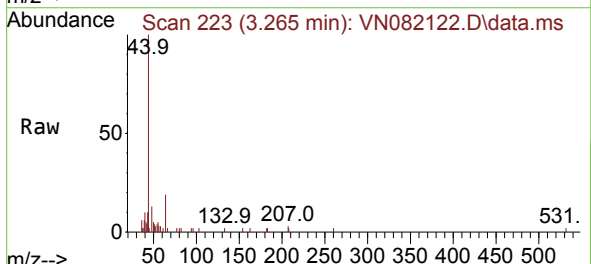
Instrument :
MSVOA_N
ClientSampleId :

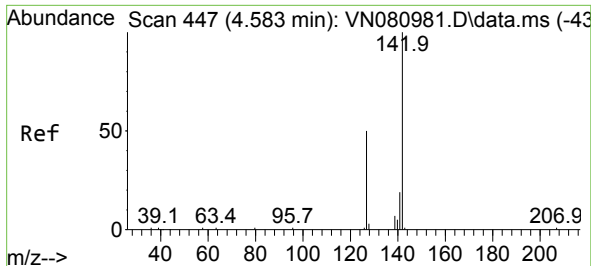
Tgt Ion: 94 Resp: 4172
Ion Ratio Lower Upper
94 100
96 92.3 72.8 109.2



#6
Chloroethane
Concen: 0.445 ug/l
RT: 3.265 min Scan# 223
Delta R.T. 0.165 min
Lab File: VN082122.D
Acq: 14 May 2024 18:03

Tgt Ion: 64 Resp: 903
Ion Ratio Lower Upper
64 100
66 4.9 26.7 40.1#





#11

Methyl Iodide

Concen: 0.320 ug/l

RT: 4.595 min Scan# 449

Delta R.T. 0.012 min

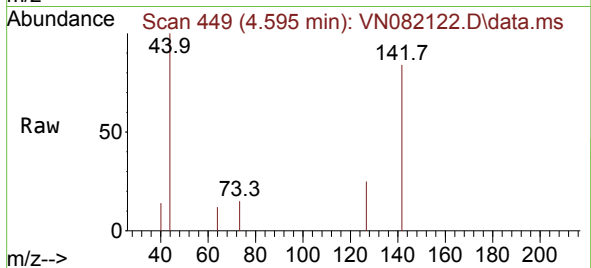
Lab File: VN082122.D

Acq: 14 May 2024 18:03

Instrument :

MSVOA_N

ClientSampleId :



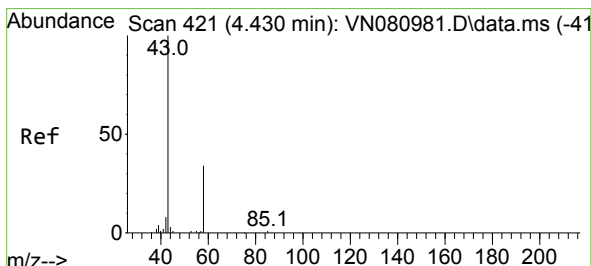
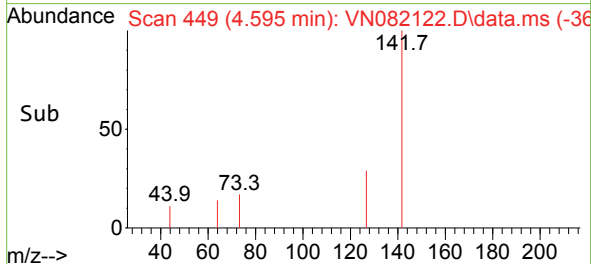
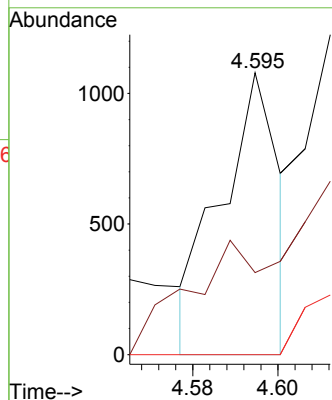
Tgt Ion:142 Resp: 1028

Ion Ratio Lower Upper

142 100

127 1.7 26.3 78.9#

141 0.0 8.3 24.9#



#15

Acetone

Concen: 3.919 ug/l

RT: 4.424 min Scan# 420

Delta R.T. -0.006 min

Lab File: VN082122.D

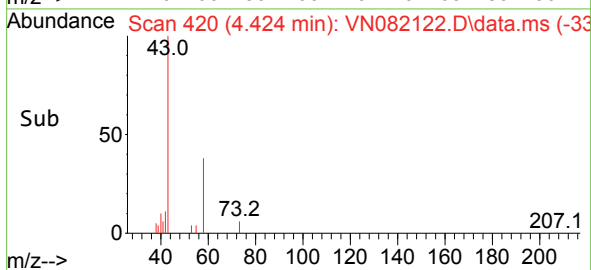
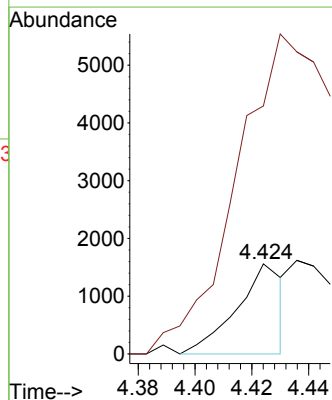
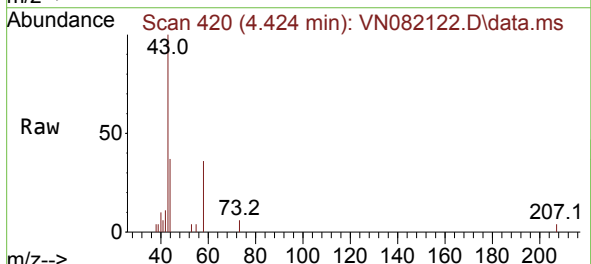
Acq: 14 May 2024 18:03

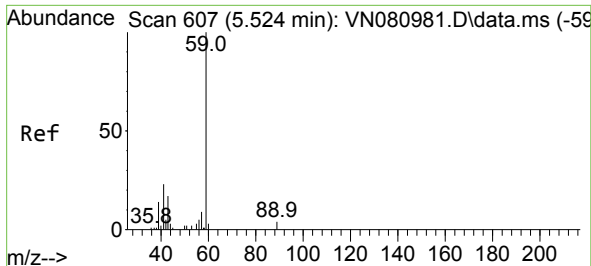
Tgt Ion: 58 Resp: 1776

Ion Ratio Lower Upper

58 100

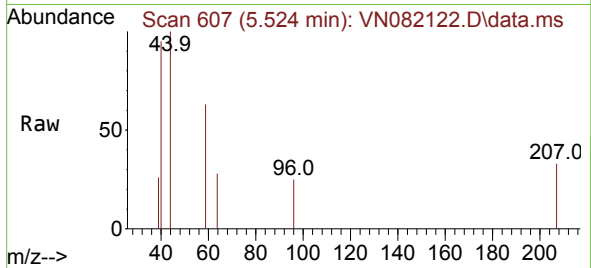
43 244.2 223.1 334.7



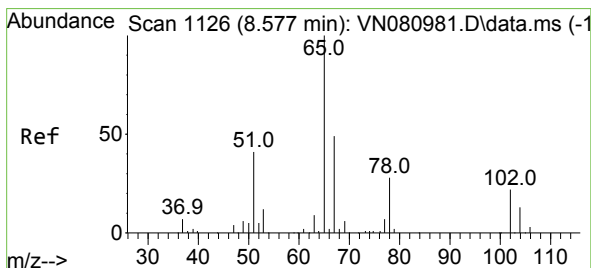
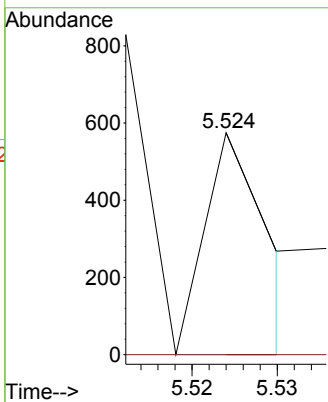
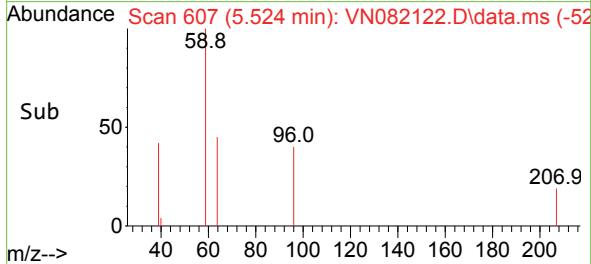


#23
tert-Butyl Alcohol
Concen: 0.360 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN082122.D
Acq: 14 May 2024 18:03

Instrument :
MSVOA_N
ClientSampleId :

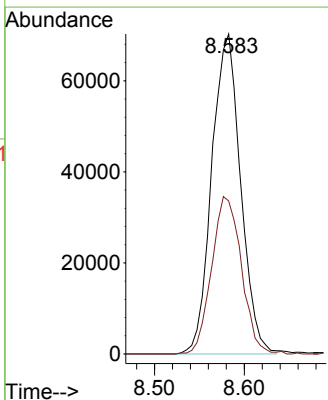
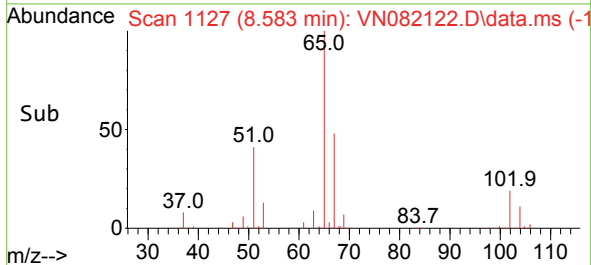
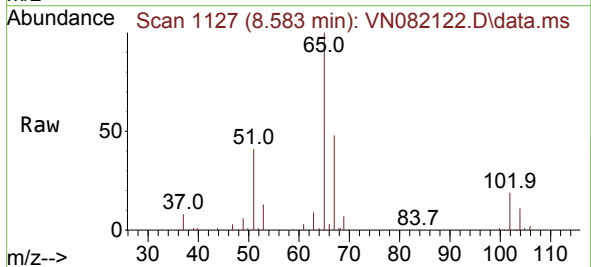


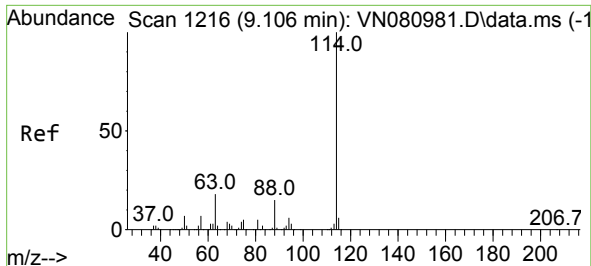
Tgt Ion: 59 Resp: 298
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 32.564 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082122.D
Acq: 14 May 2024 18:03

Tgt Ion: 65 Resp: 157082
Ion Ratio Lower Upper
65 100
67 50.5 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

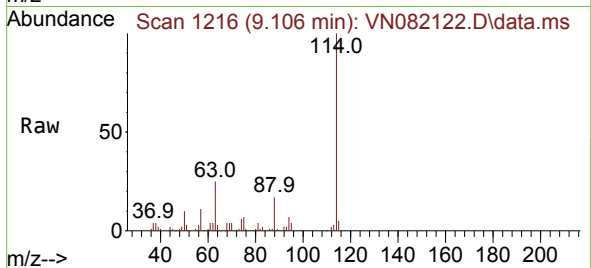
Lab File: VN082122.D

Acq: 14 May 2024 18:03

Instrument :

MSVOA_N

ClientSampleId :



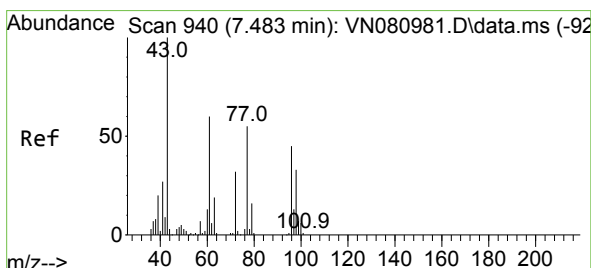
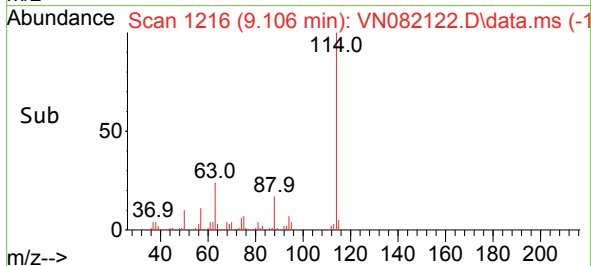
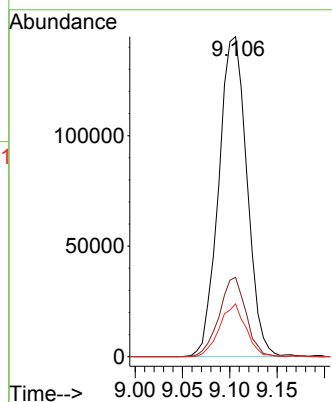
Tgt Ion:114 Resp: 300616

Ion Ratio Lower Upper

114 100

63 23.5 15.9 23.9

88 15.4 12.7 19.1



#30

2-Butanone

Concen: 0.407 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.000 min

Lab File: VN082122.D

Acq: 14 May 2024 18:03

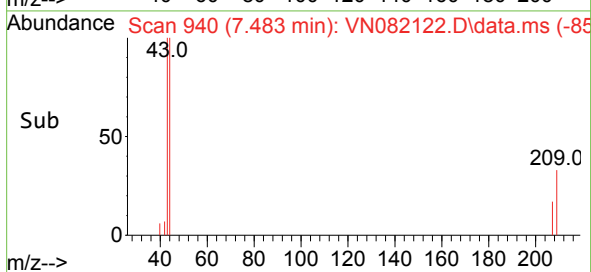
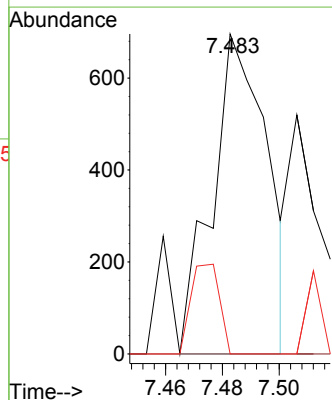
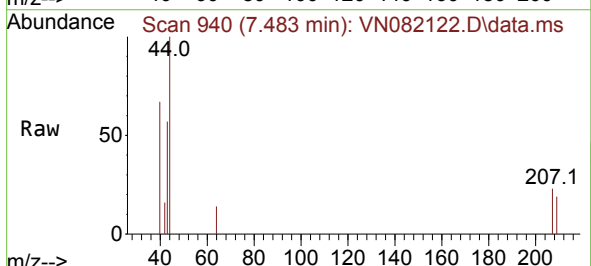
Tgt Ion: 43 Resp: 939

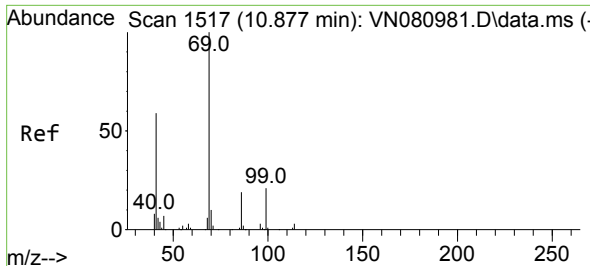
Ion Ratio Lower Upper

43 100

57 0.0 6.7 10.1#

72 14.5 24.0 36.0#

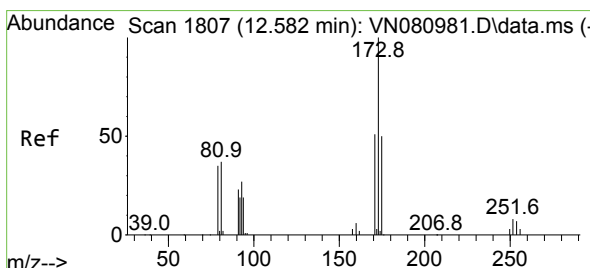
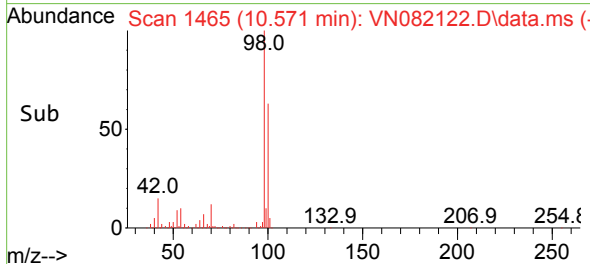
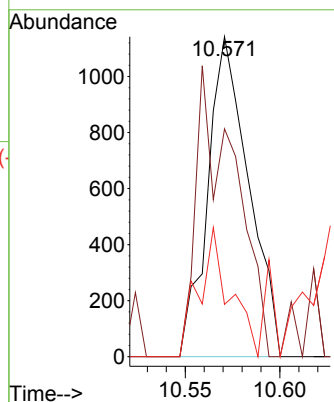
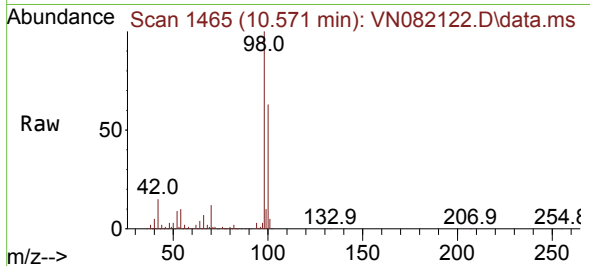




#51
Ethyl methacrylate
Concen: 0.286 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.306 min
Lab File: VN082122.D
Acq: 14 May 2024 18:03

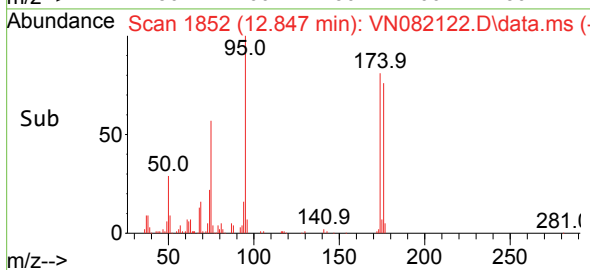
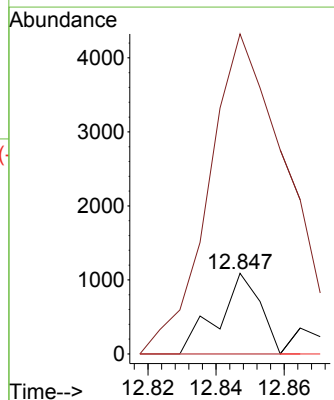
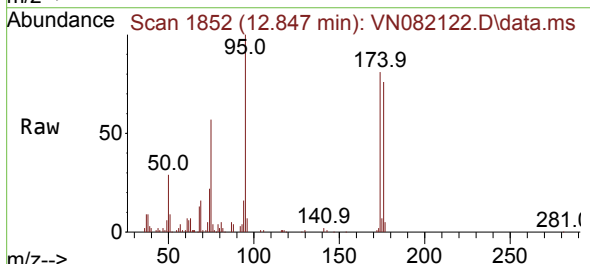
Instrument :
MSVOA_N
ClientSampleId :

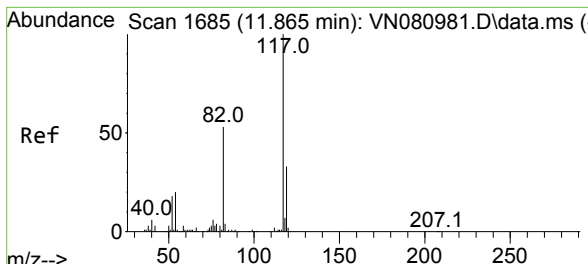
Tgt Ion: 69 Resp: 1722
Ion Ratio Lower Upper
69 100
41 71.2 25.5 76.5
39 16.4 16.0 47.9



#56
Bromoform
Concen: 0.442 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN082122.D
Acq: 14 May 2024 18:03

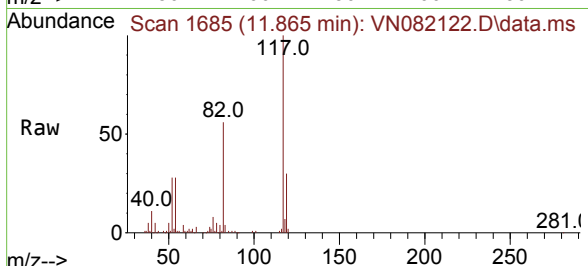
Tgt Ion:173 Resp: 934
Ion Ratio Lower Upper
173 100
175 738.2 40.0 60.0#
254 0.0 8.3 12.5#



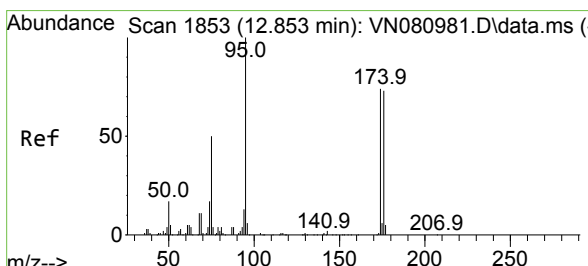
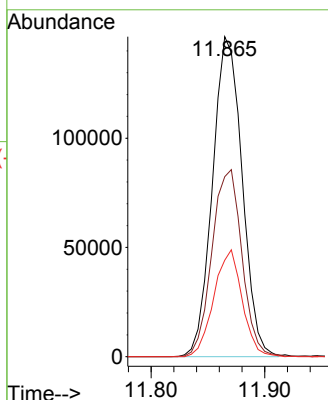
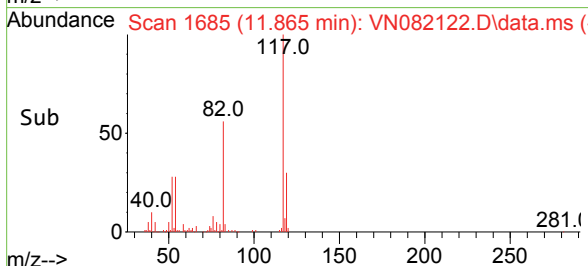


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN082122.D
Acq: 14 May 2024 18:03

Instrument :
MSVOA_N
ClientSampleId :

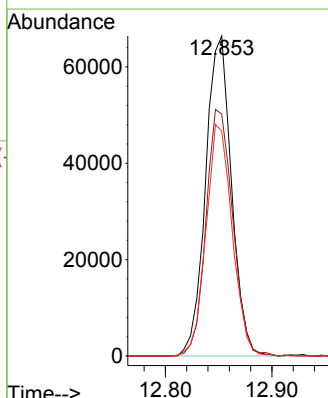
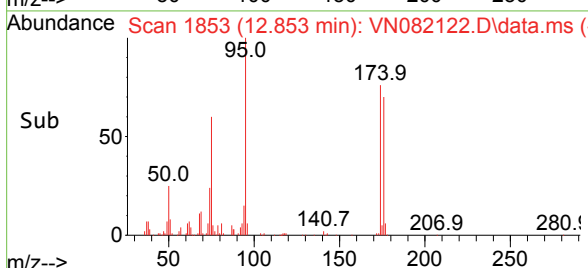
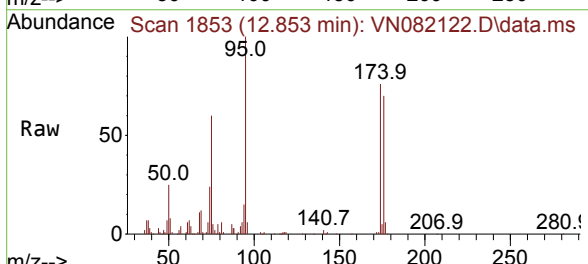


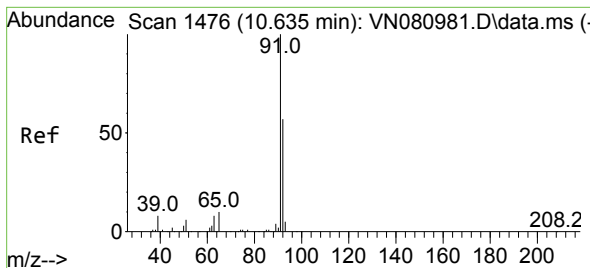
Tgt Ion:117 Resp: 265490
Ion Ratio Lower Upper
117 100
82 59.3 46.6 69.8
119 31.9 25.4 38.2



#60
4-Bromofluorobenzene
Concen: 25.370 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN082122.D
Acq: 14 May 2024 18:03

Tgt Ion: 95 Resp: 112092
Ion Ratio Lower Upper
95 100
174 79.4 60.5 90.7
176 73.1 57.8 86.6





#62

Toluene

Concen: 0.229 ug/l

RT: 10.630 min Scan# 1476

Delta R.T. -0.006 min

Lab File: VN082122.D

Acq: 14 May 2024 18:03

Instrument :

MSVOA_N

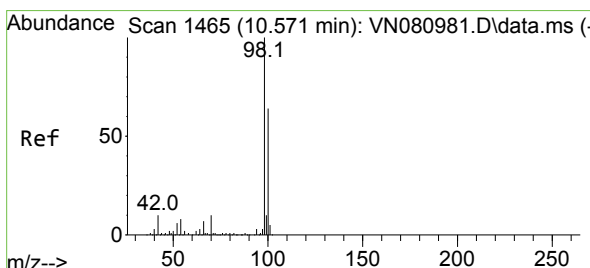
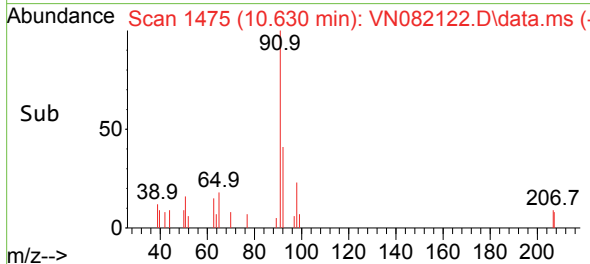
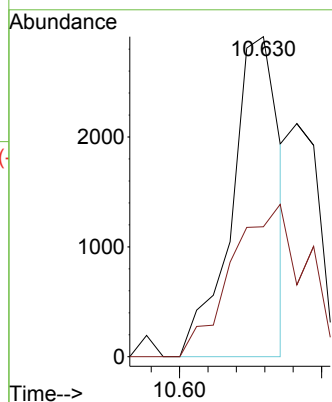
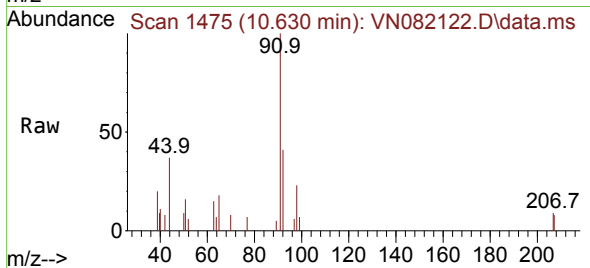
ClientSampleId :

Tgt Ion: 91 Resp: 3421

Ion Ratio Lower Upper

91 100

92 72.3 46.5 69.7#



#63

Toluene-d8

Concen: 29.553 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082122.D

Acq: 14 May 2024 18:03

Tgt Ion: 98 Resp: 372612

Ion Ratio Lower Upper

98 100

100 63.4 52.7 79.1

