

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050624\
 Data File : VN082011.D
 Acq On : 06 May 2024 16:22
 Operator : JC\MD
 Sample : P2401-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 07 00:29:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

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

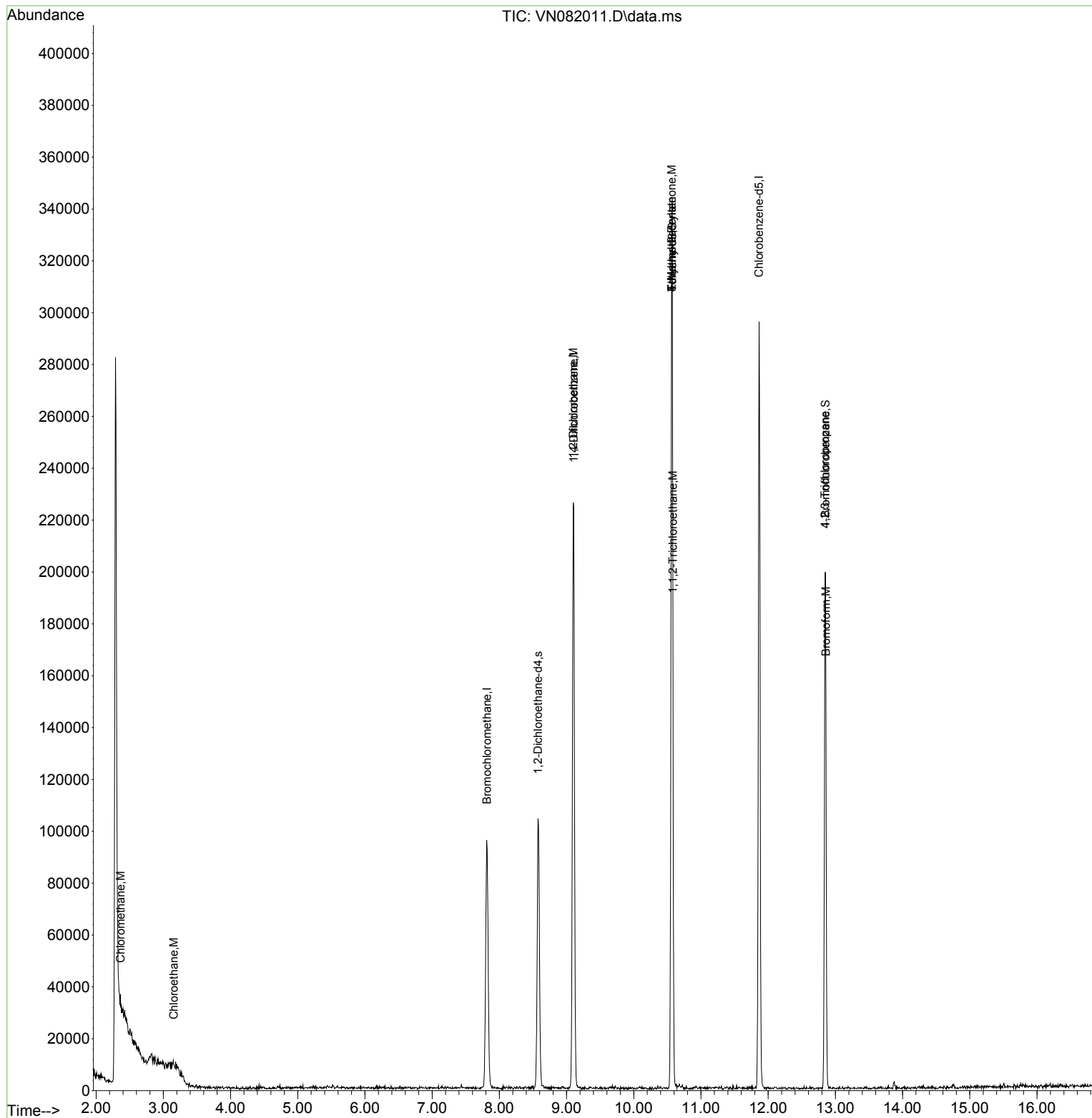
Internal Standards						
1) Bromochloromethane	7.818	128	30997	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	189247	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	158682	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	83651	32.233	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.433%
60) 4-Bromofluorobenzene	12.853	95	74936	28.376	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.600%
63) Toluene-d8	10.571	98	231613	30.735	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.433%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1437	0.704	ug/l #	43
6) Chloroethane	3.153	64	395	0.362	ug/l	90
36) 1,2-Dichloroethane	9.100	62	5611	1.860	ug/l #	72
50) 1,1,2-Trichloroethane	10.582	97	6640	3.303	ug/l #	1
51) Ethyl methacrylate	10.565	69	904	0.238	ug/l	92
56) Bromoform	12.859	173	572	0.430	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	1381	0.448	ug/l #	48
72) 1,2,3-Trichloropropane	12.847	75	40993	16.711	ug/l	1

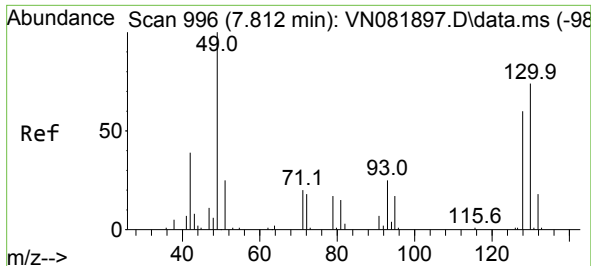
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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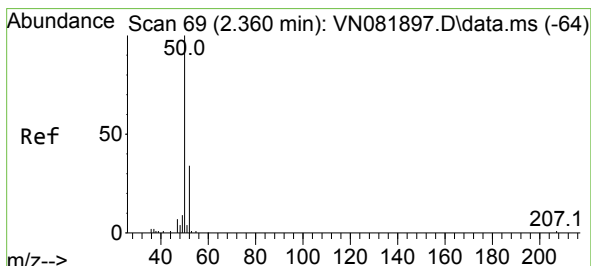
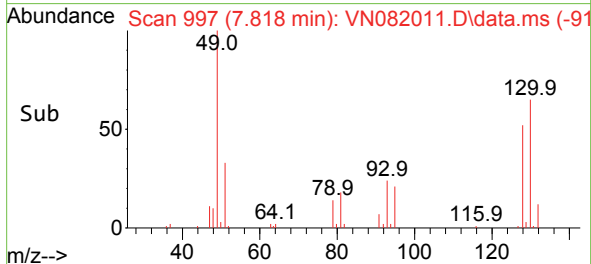
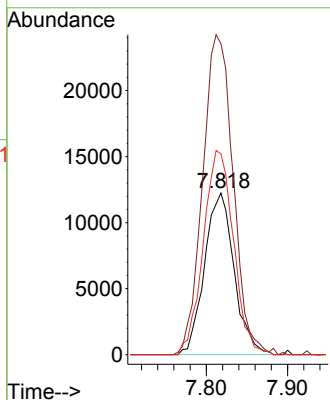
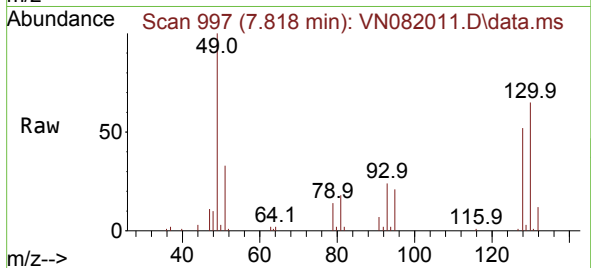




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN082011.D
Acq: 06 May 2024 16:22

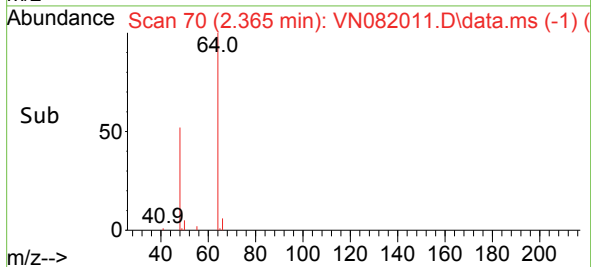
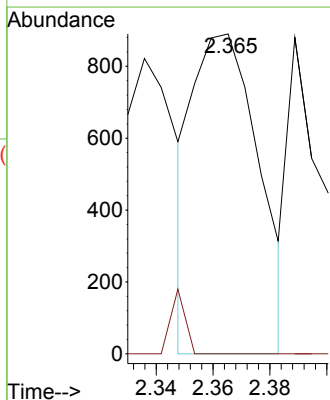
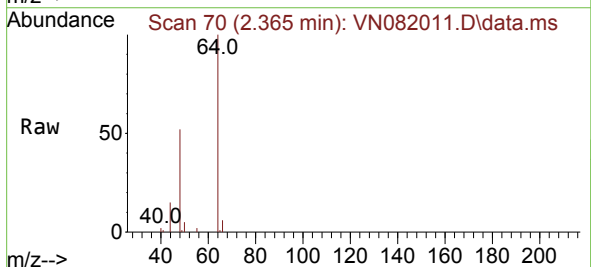
Instrument :
MSVOA_N
ClientSampleId :

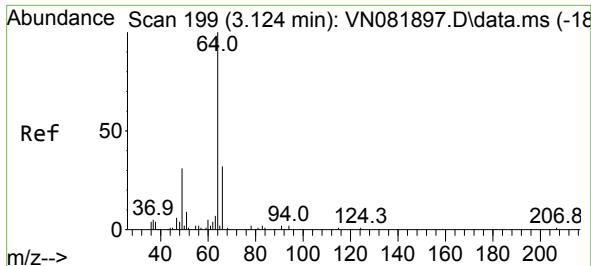
Tgt Ion:128 Resp: 30997
Ion Ratio Lower Upper
128 100
49 203.6 0.0 403.7
130 128.9 0.0 323.3



#3
Chloromethane
Concen: 0.704 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN082011.D
Acq: 06 May 2024 16:22

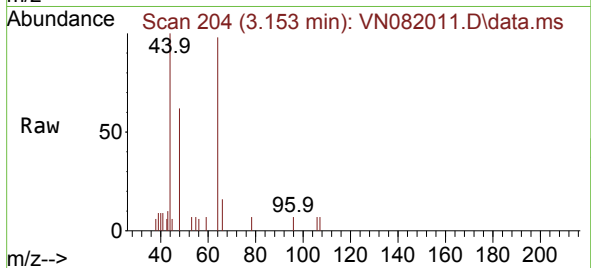
Tgt Ion: 50 Resp: 1437
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#



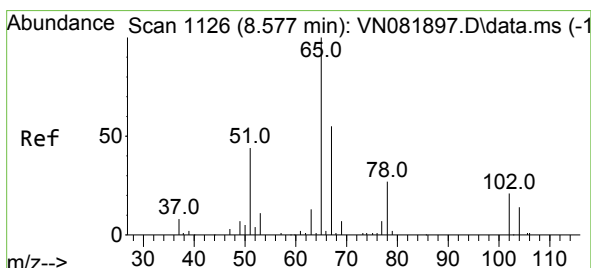
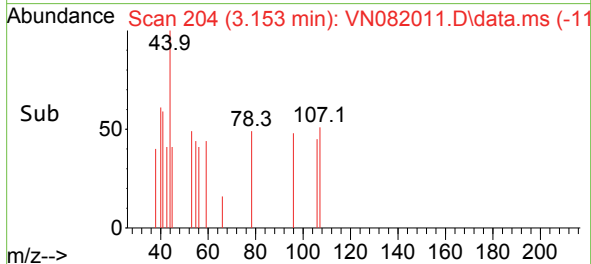
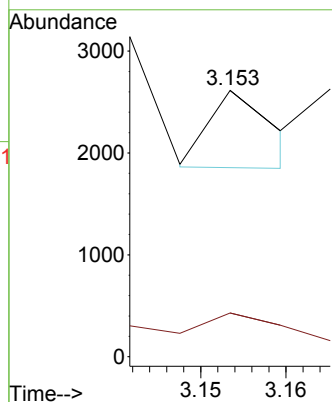


#6
Chloroethane
Concen: 0.362 ug/l
RT: 3.153 min Scan# 204
Delta R.T. 0.029 min
Lab File: VN082011.D
Acq: 06 May 2024 16:22

Instrument :
MSVOA_N
ClientSampleId :

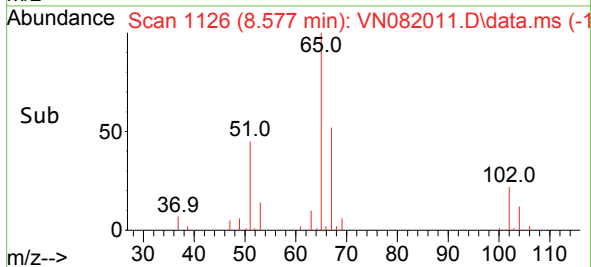
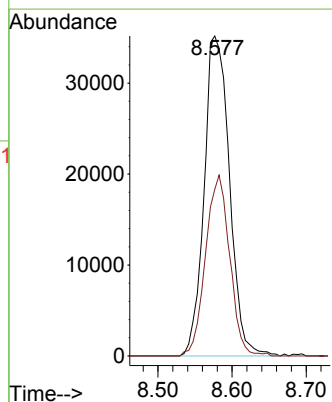
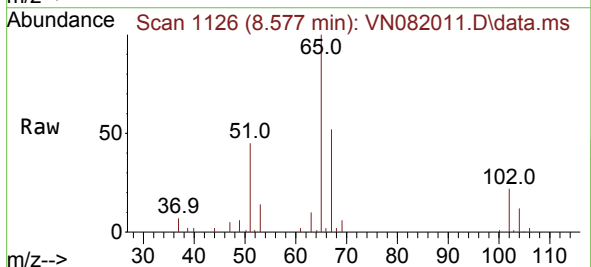


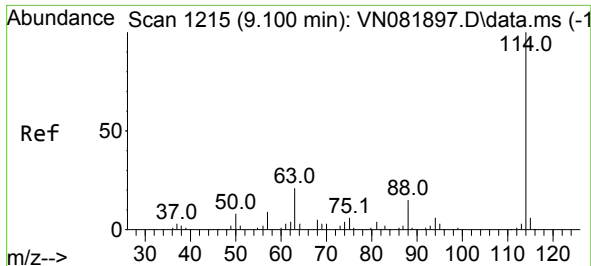
Tgt Ion: 64 Resp: 395
Ion Ratio Lower Upper
64 100
66 27.5 26.7 40.1



#27
1,2-Dichloroethane-d4
Concen: 32.233 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN082011.D
Acq: 06 May 2024 16:22

Tgt Ion: 65 Resp: 83651
Ion Ratio Lower Upper
65 100
67 53.7 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 114

Delta R.T. 0.006 min

Lab File: VN082011.D

Acq: 06 May 2024 16:22

Instrument :

MSVOA_N

ClientSampleId :

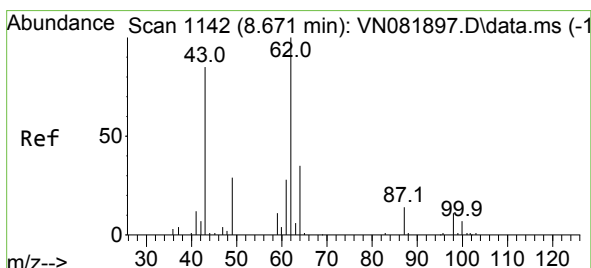
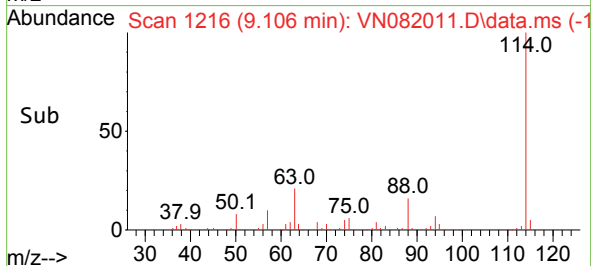
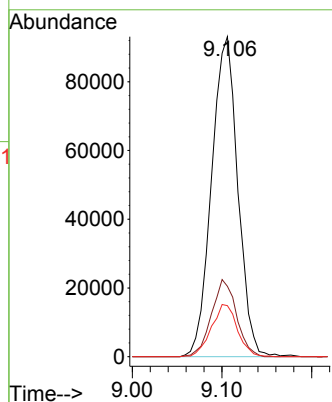
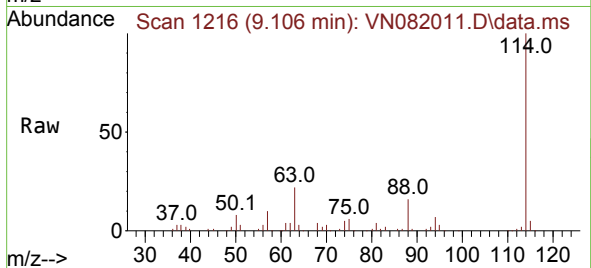
Tgt Ion:114 Resp: 189247

Ion Ratio Lower Upper

114 100

63 23.0 15.9 23.9

88 16.2 12.7 19.1



#36

1,2-Dichloroethane

Concen: 1.860 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.429 min

Lab File: VN082011.D

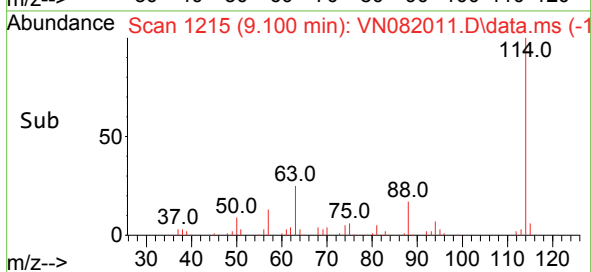
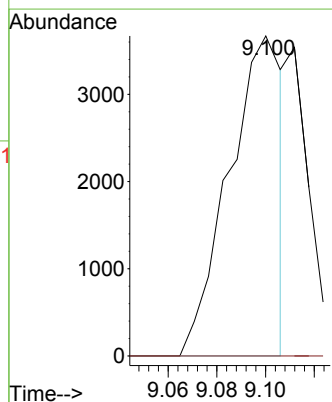
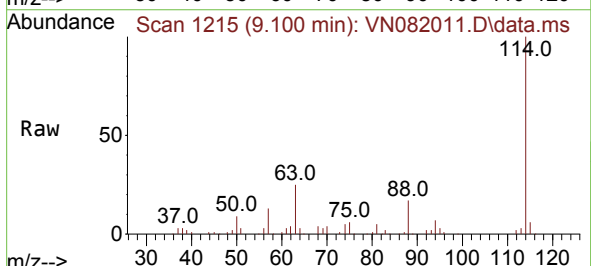
Acq: 06 May 2024 16:22

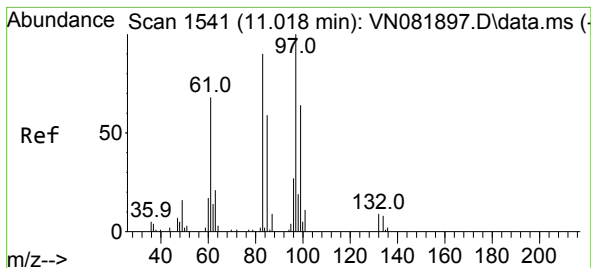
Tgt Ion: 62 Resp: 5611

Ion Ratio Lower Upper

62 100

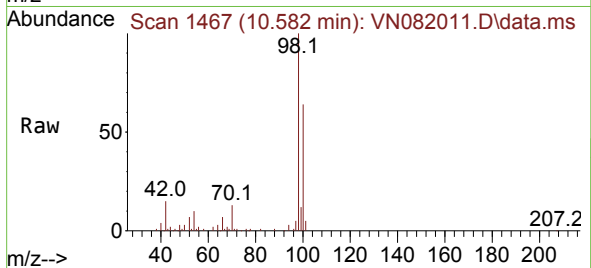
98 0.0 8.2 12.4#



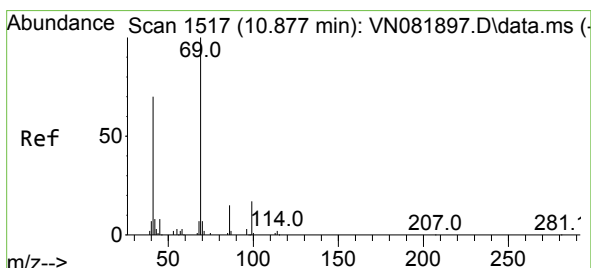
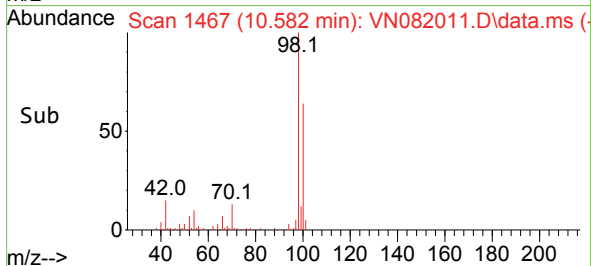
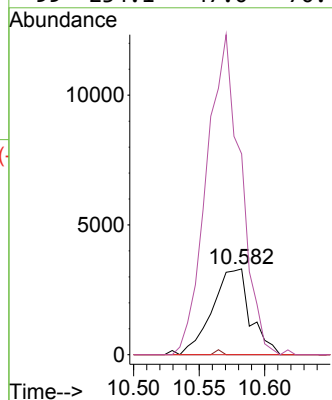


#50
1,1,2-Trichloroethane
Concen: 3.303 ug/l
RT: 10.582 min Scan# 1467
Delta R.T. -0.435 min
Lab File: VN082011.D
Acq: 06 May 2024 16:22

Instrument :
MSVOA_N
ClientSampleId :

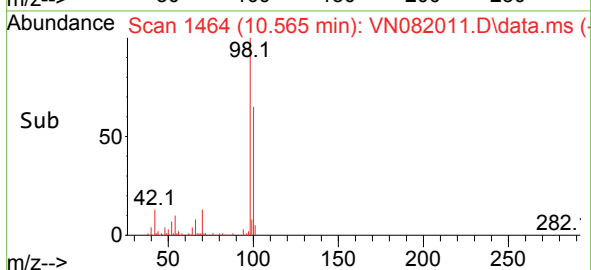
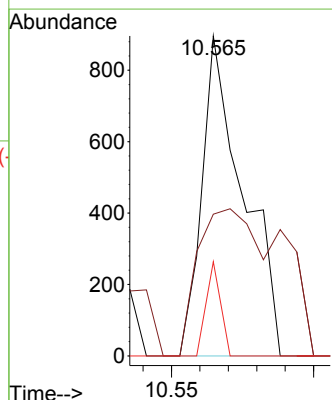
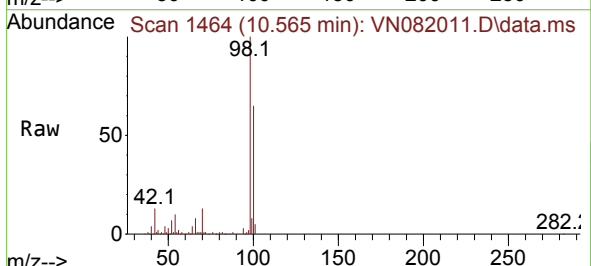


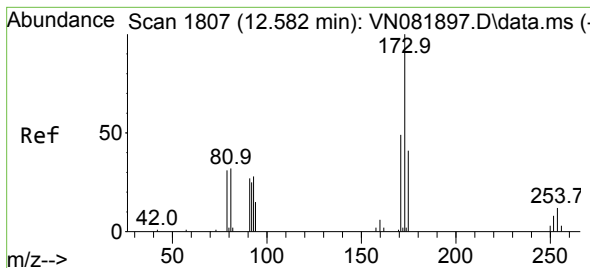
Tgt Ion: 97 Resp: 6640
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 234.1 47.0 70.4#



#51
Ethyl methacrylate
Concen: 0.238 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.312 min
Lab File: VN082011.D
Acq: 06 May 2024 16:22

Tgt Ion: 69 Resp: 904
Ion Ratio Lower Upper
69 100
41 44.3 25.5 76.5
39 29.5 16.0 47.9





#56

Bromoform

Concen: 0.430 ug/l

RT: 12.859 min Scan# 1807

Delta R.T. 0.276 min

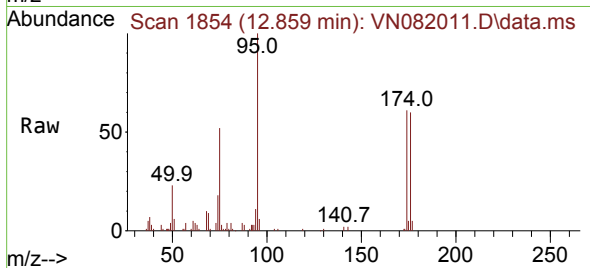
Lab File: VN082011.D

Acq: 06 May 2024 16:22

Instrument :

MSVOA_N

ClientSampleId :



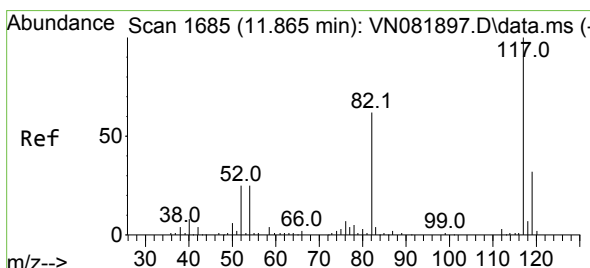
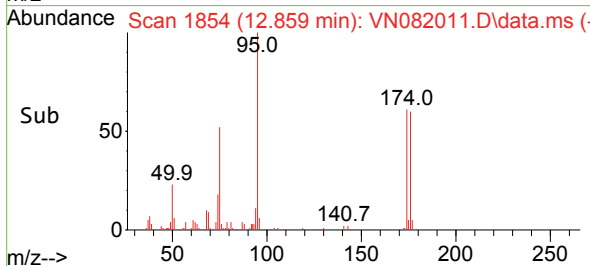
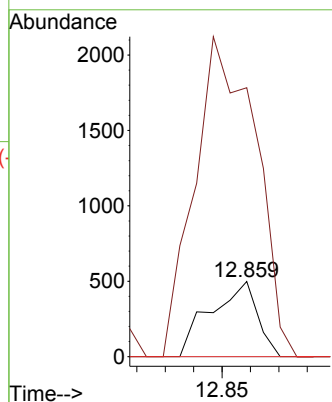
Tgt Ion:173 Resp: 572

Ion Ratio Lower Upper

173 100

175 554.4 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: VN082011.D

Acq: 06 May 2024 16:22

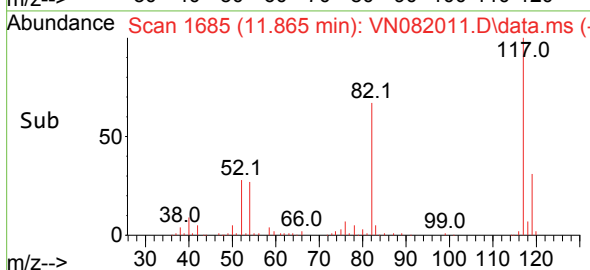
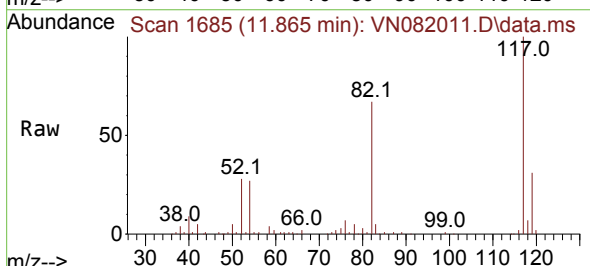
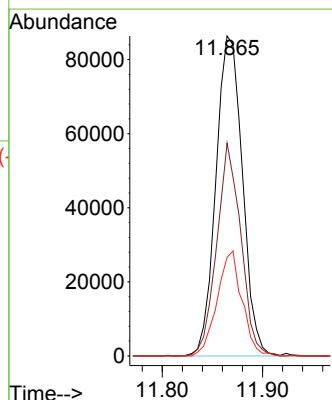
Tgt Ion:117 Resp: 158682

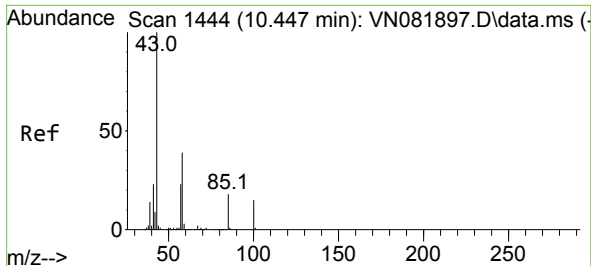
Ion Ratio Lower Upper

117 100

82 60.5 46.6 69.8

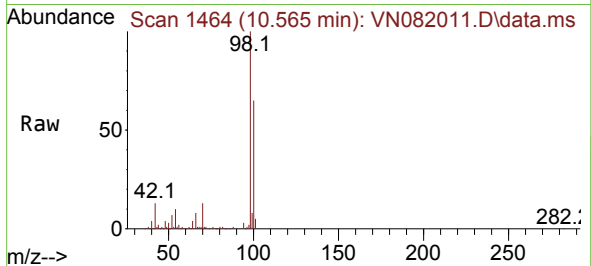
119 30.8 25.4 38.2



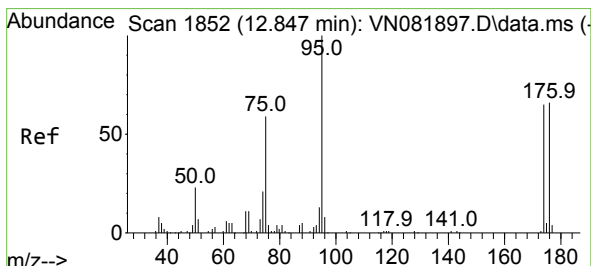
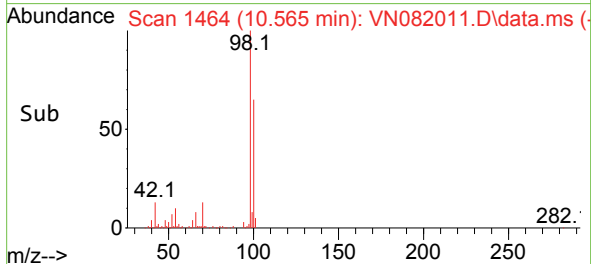
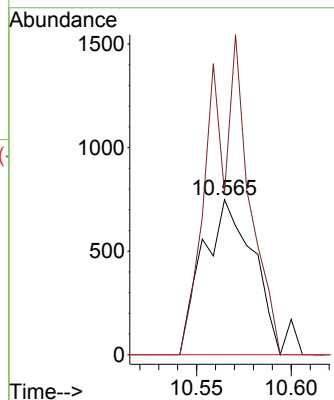


#58
4-Methyl-2-Pentanone
Concen: 0.448 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN082011.D
Acq: 06 May 2024 16:22

Instrument :
MSVOA_N
ClientSampleId :

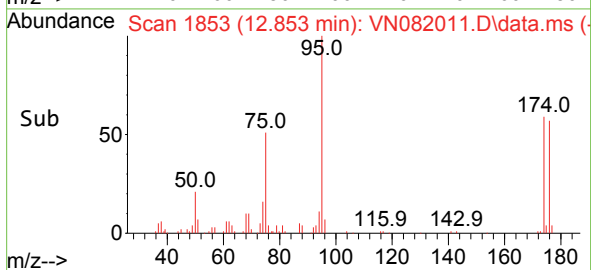
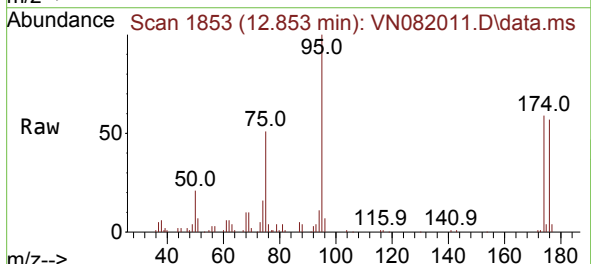
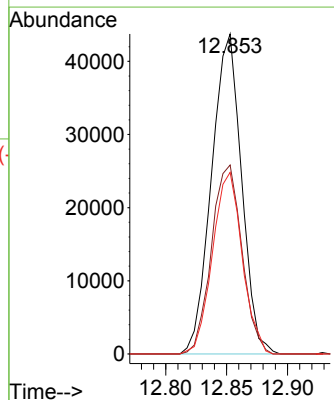


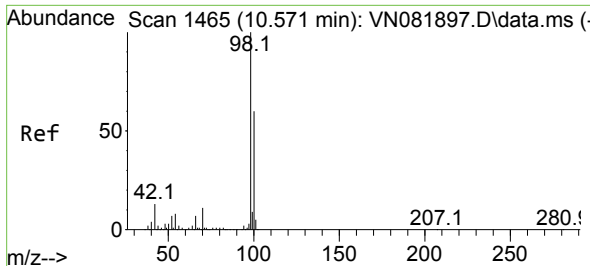
Tgt Ion: 43 Resp: 1381
Ion Ratio Lower Upper
43 100
58 81.1 36.5 54.7#
85 0.0 19.5 29.3#



#60
4-Bromofluorobenzene
Concen: 28.376 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082011.D
Acq: 06 May 2024 16:22

Tgt Ion: 95 Resp: 74936
Ion Ratio Lower Upper
95 100
174 59.9 60.5 90.7#
176 56.2 57.8 86.6#

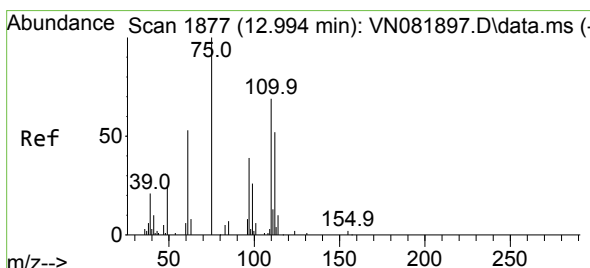
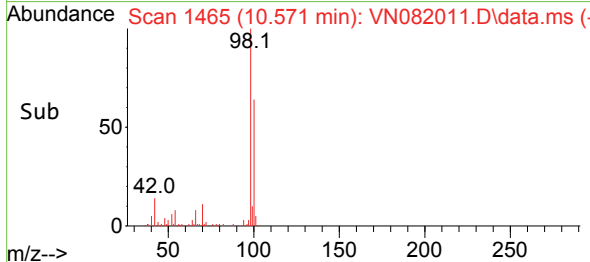
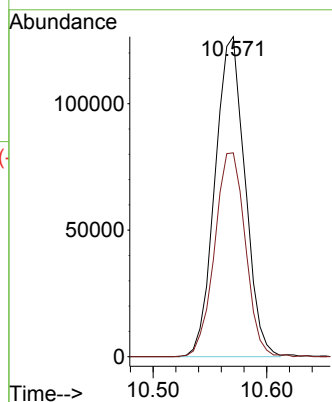
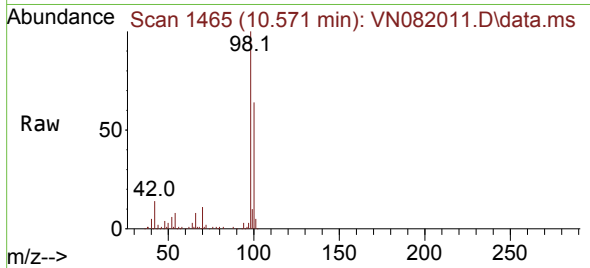




#63
Toluene-d8
Concen: 30.735 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082011.D
Acq: 06 May 2024 16:22

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 231613
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 16.711 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082011.D
Acq: 06 May 2024 16:22

Tgt Ion: 75 Resp: 40993
Ion Ratio Lower Upper
75 100
77 0.9 0.0 367.6

