

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050624\
 Data File : VN082008.D
 Acq On : 06 May 2024 14:48
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 07 00:28:54 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)

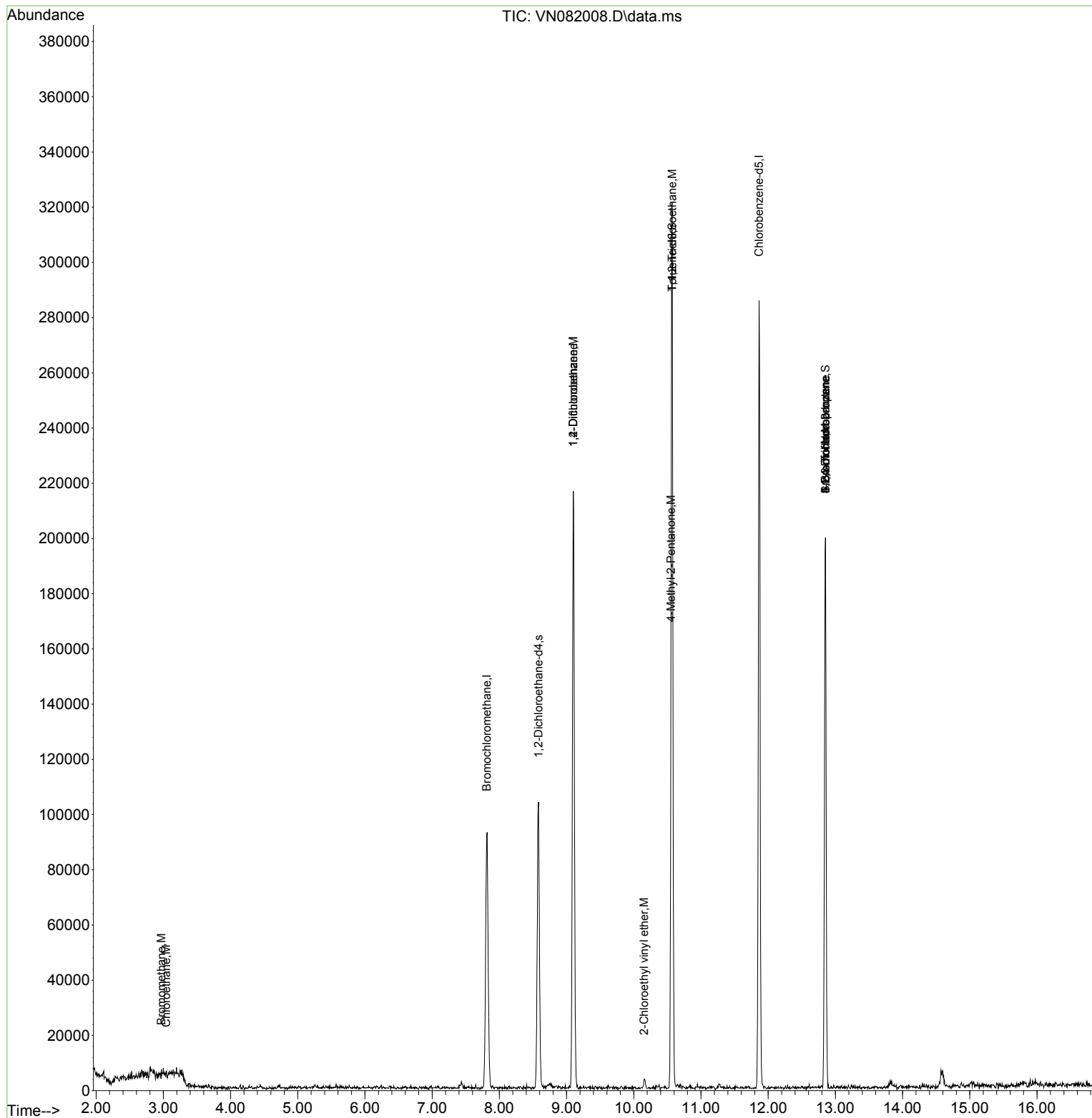
Internal Standards						
1) Bromochloromethane	7.812	128	31083	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	179060	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	152208	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	80394	30.892	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.967%
60) 4-Bromofluorobenzene	12.853	95	69970	27.623	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.067%
63) Toluene-d8	10.571	98	219500	30.366	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.233%
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	338	0.335	ug/l #	60
6) Chloroethane	3.042	64	306	0.280	ug/l	93
36) 1,2-Dichloroethane	9.100	62	6539	2.290	ug/l #	72
50) 1,1,2-Trichloroethane	10.571	97	6395	3.362	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.153	63	1711	0.953	ug/l #	48
56) Bromoform	12.853	173	448	0.356	ug/l #	1
58) 4-Methyl-2-Pentanone	10.553	43	730	0.247	ug/l #	71
72) 1,2,3-Trichloropropane	12.853	75	39803	16.916	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	39803	38.007	ug/l #	12

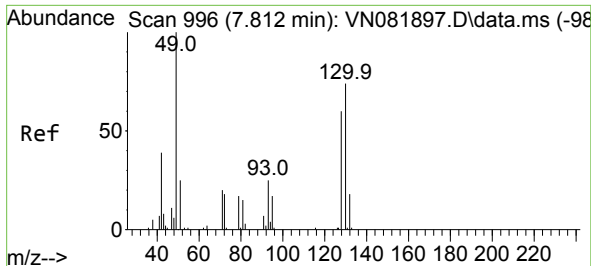
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 27 04:37:27 2024
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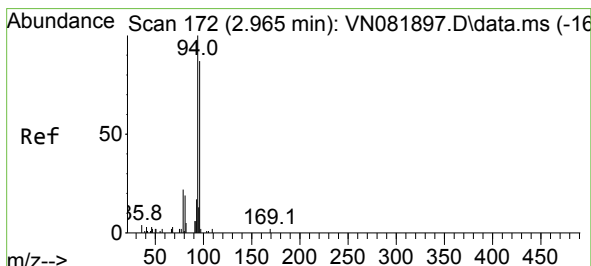
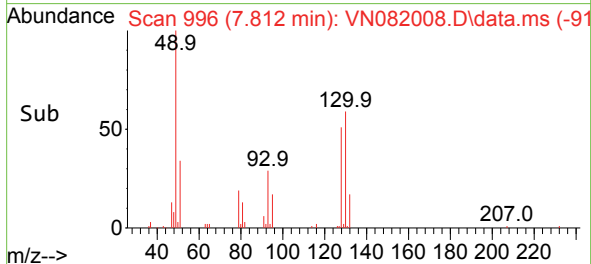
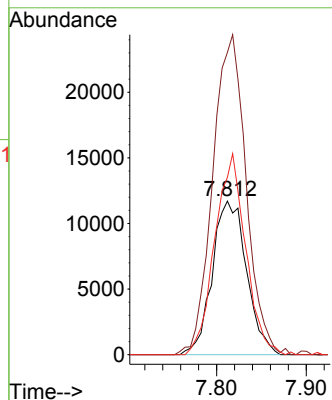
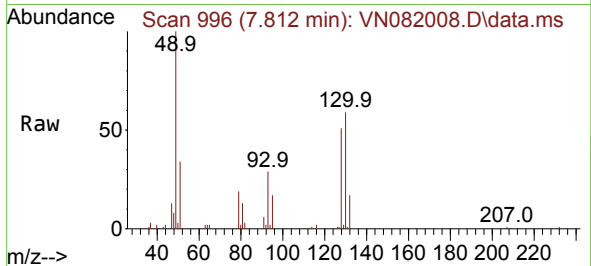




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN082008.D
Acq: 06 May 2024 14:48

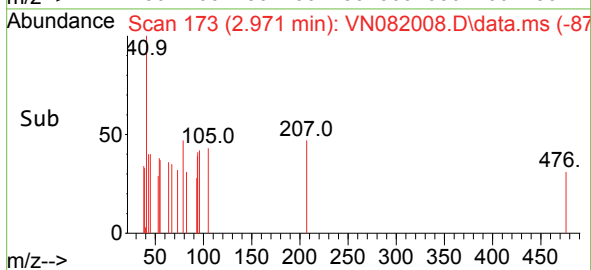
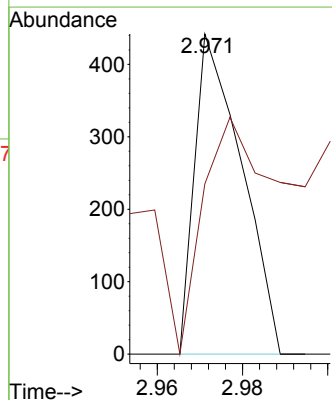
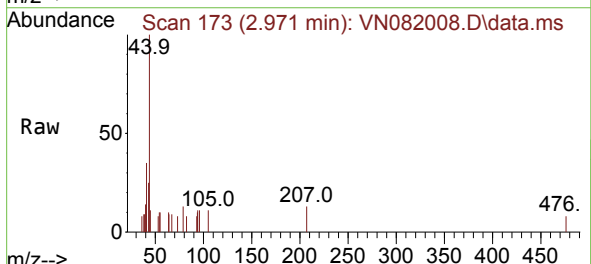
Instrument :
MSVOA_N
ClientSampleId :

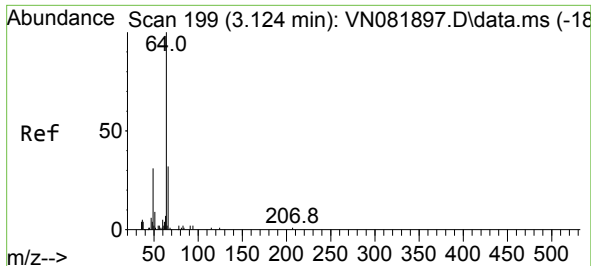
Tgt Ion:128 Resp: 31083
Ion Ratio Lower Upper
128 100
49 202.5 0.0 403.7
130 117.6 0.0 323.3



#5
Bromomethane
Concen: 0.335 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.006 min
Lab File: VN082008.D
Acq: 06 May 2024 14:48

Tgt Ion: 94 Resp: 338
Ion Ratio Lower Upper
94 100
96 53.2 72.8 109.2#

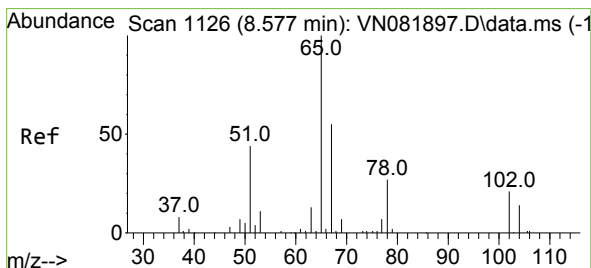
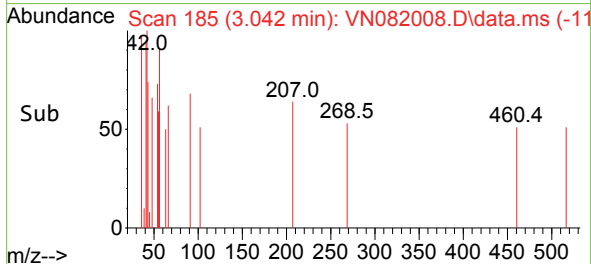
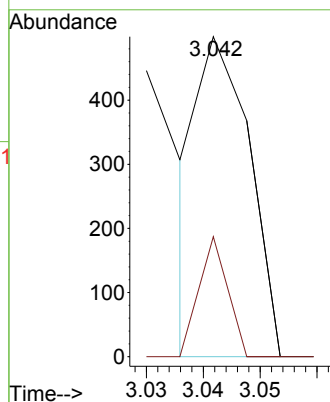
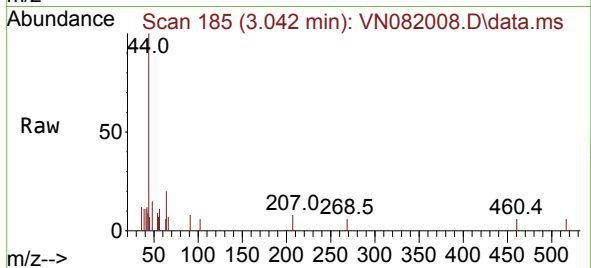




#6
Chloroethane
Concen: 0.280 ug/l
RT: 3.042 min Scan# 11
Delta R.T. -0.082 min
Lab File: VN082008.D
Acq: 06 May 2024 14:48

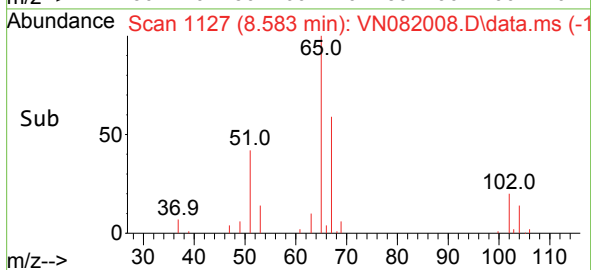
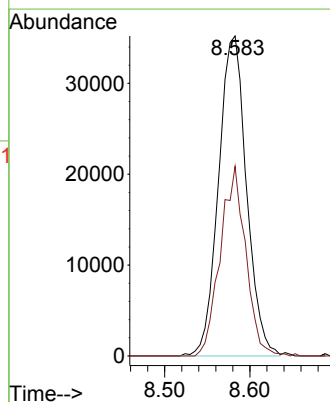
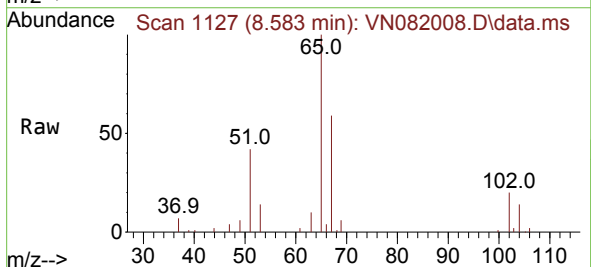
Instrument :
MSVOA_N
ClientSampleId :

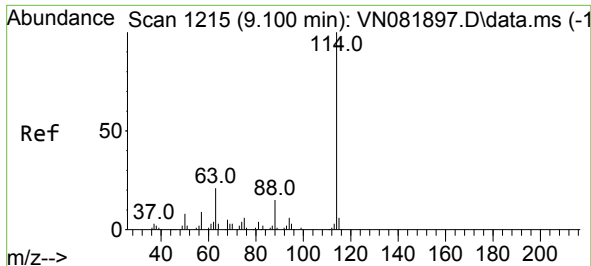
Tgt Ion: 64 Resp: 306
Ion Ratio Lower Upper
64 100
66 37.5 26.7 40.1



#27
1,2-Dichloroethane-d4
Concen: 30.892 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082008.D
Acq: 06 May 2024 14:48

Tgt Ion: 65 Resp: 80394
Ion Ratio Lower Upper
65 100
67 53.9 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN082008.D

Acq: 06 May 2024 14:48

Instrument :

MSVOA_N

ClientSampleId :

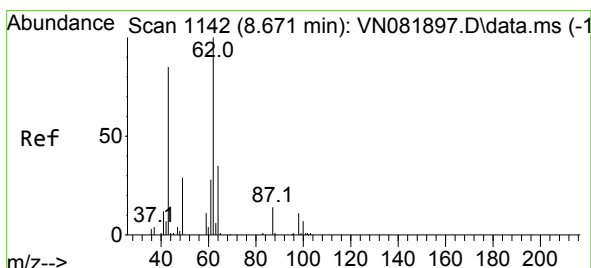
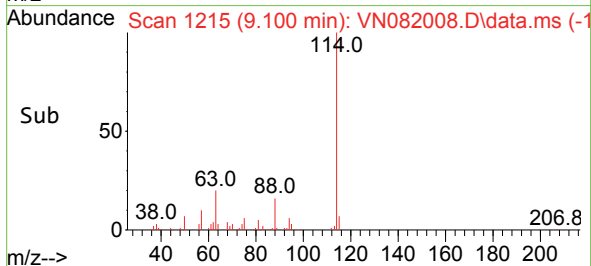
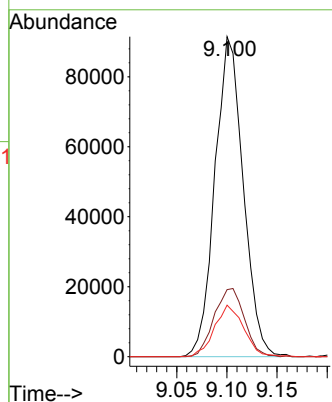
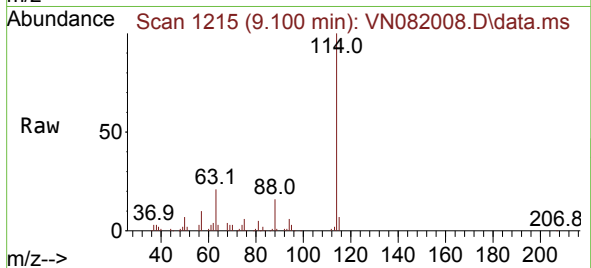
Tgt Ion:114 Resp: 179060

Ion Ratio Lower Upper

114 100

63 22.7 15.9 23.9

88 16.7 12.7 19.1



#36

1,2-Dichloroethane

Concen: 2.290 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.429 min

Lab File: VN082008.D

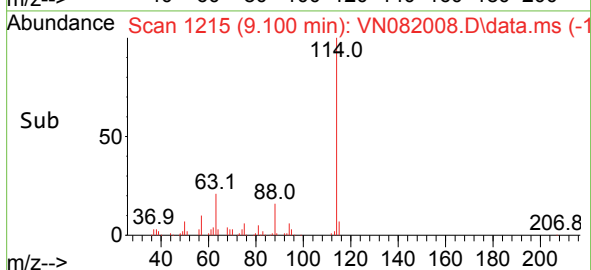
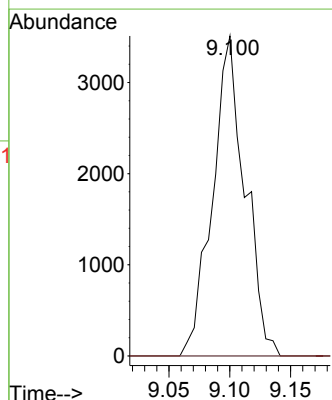
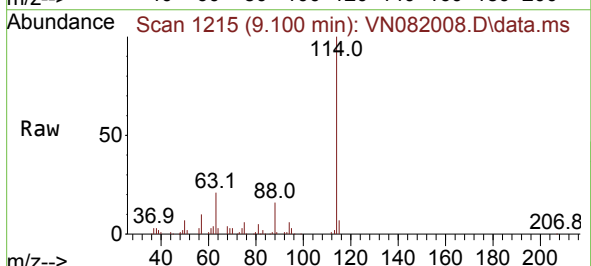
Acq: 06 May 2024 14:48

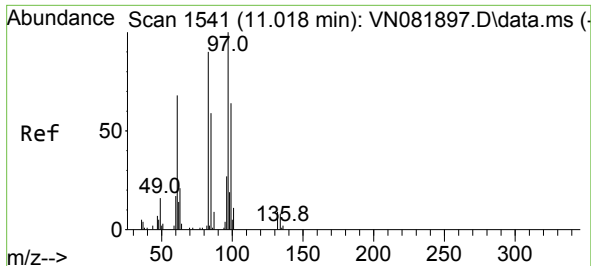
Tgt Ion: 62 Resp: 6539

Ion Ratio Lower Upper

62 100

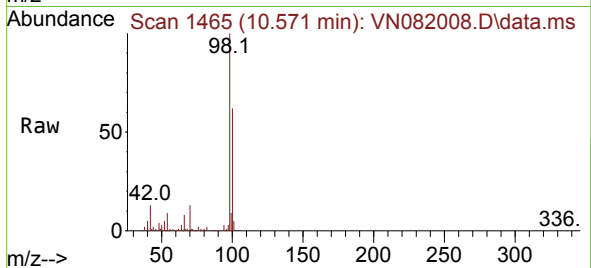
98 0.0 8.2 12.4#



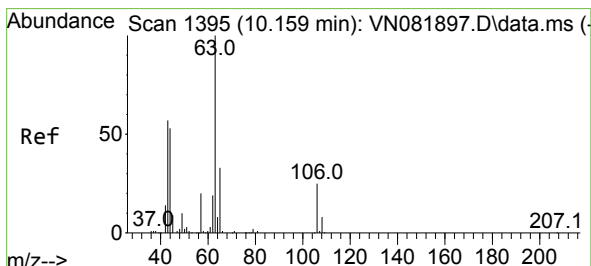
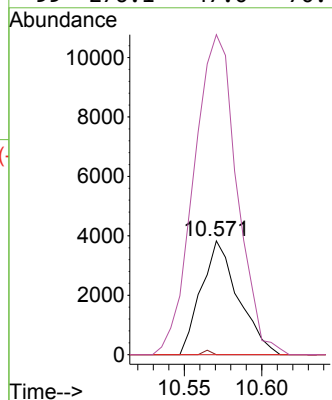
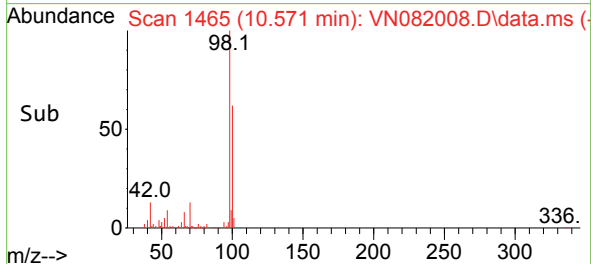


#50
1,1,2-Trichloroethane
Concen: 3.362 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN082008.D
Acq: 06 May 2024 14:48

Instrument :
MSVOA_N
ClientSampleId :

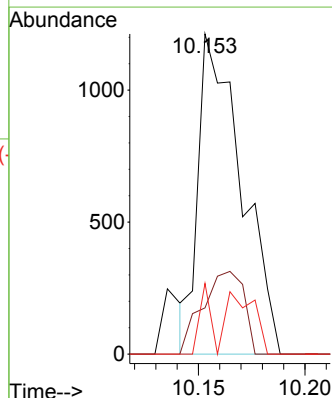
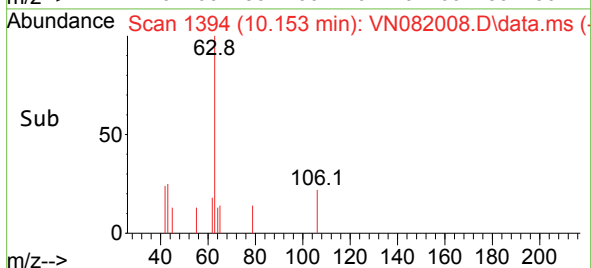
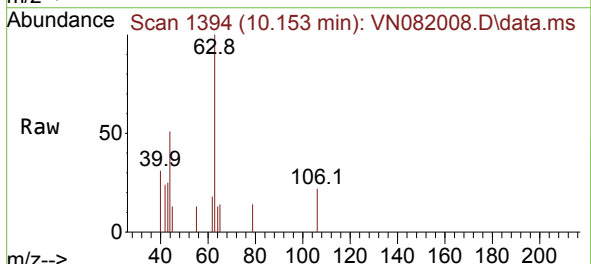


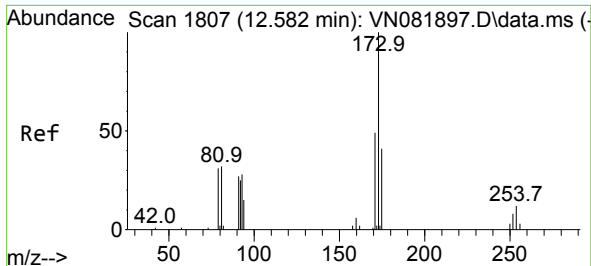
Tgt Ion: 97 Resp: 6395
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 276.1 47.0 70.4#



#55
2-Chloroethyl vinyl ether
Concen: 0.953 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN082008.D
Acq: 06 May 2024 14:48

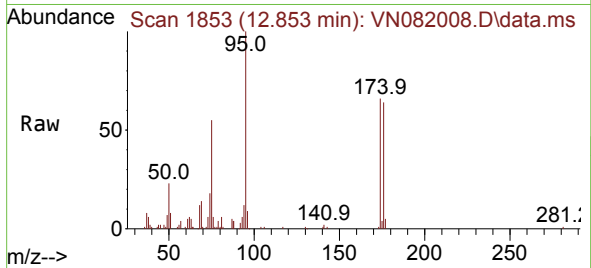
Tgt Ion: 63 Resp: 1711
Ion Ratio Lower Upper
63 100
65 0.0 26.2 39.2#
106 5.6 23.8 35.8#



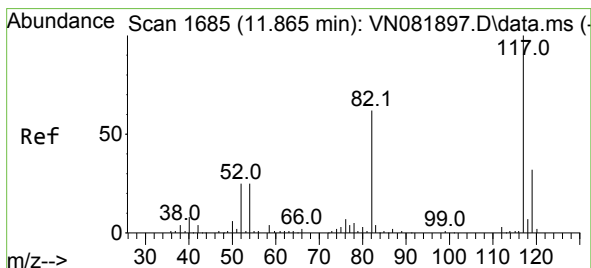
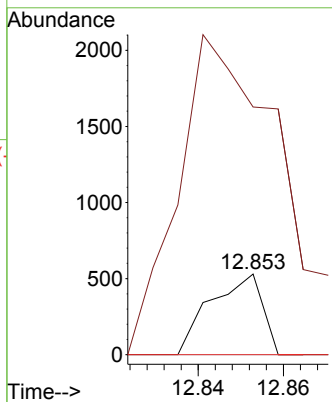
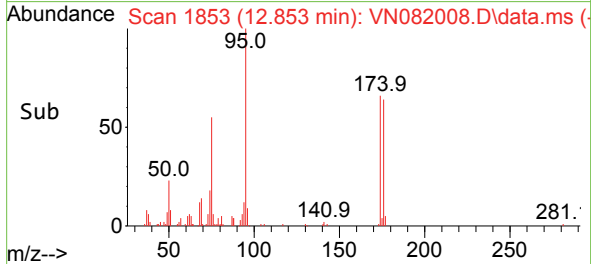


#56
Bromoform
Concen: 0.356 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN082008.D
Acq: 06 May 2024 14:48

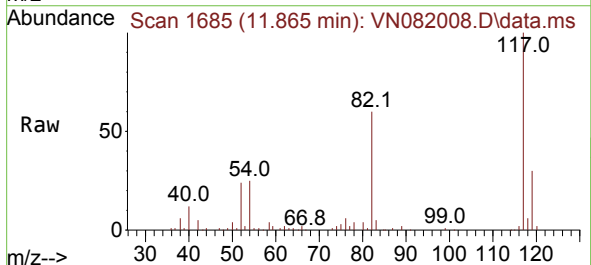
Instrument :
MSVOA_N
ClientSampleId :



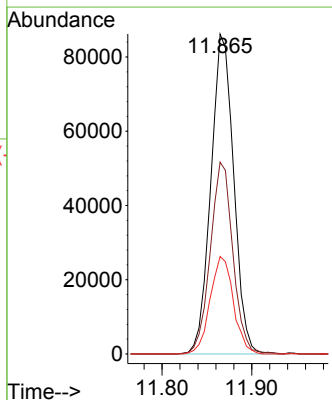
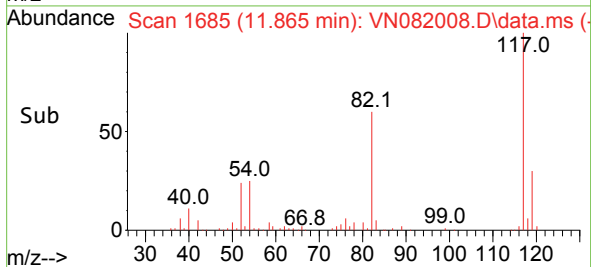
Tgt Ion:173 Resp: 448
Ion Ratio Lower Upper
173 100
175 794.2 40.0 60.0#
254 0.0 8.3 12.5#

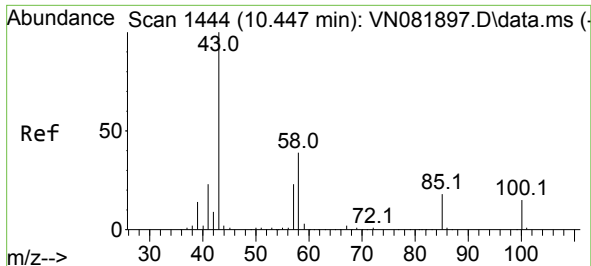


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082008.D
Acq: 06 May 2024 14:48



Tgt Ion:117 Resp: 152208
Ion Ratio Lower Upper
117 100
82 59.2 46.6 69.8
119 31.0 25.4 38.2

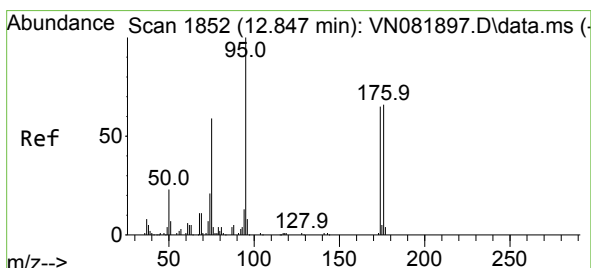
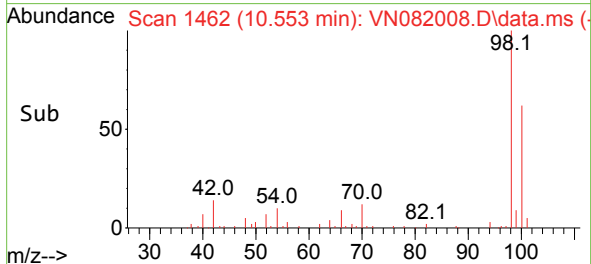
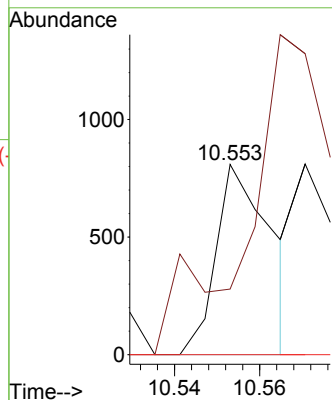
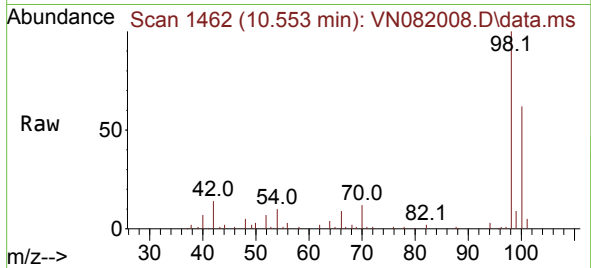




#58
4-Methyl-2-Pentanone
Concen: 0.247 ug/l
RT: 10.553 min Scan# 1444
Delta R.T. 0.106 min
Lab File: VN082008.D
Acq: 06 May 2024 14:48

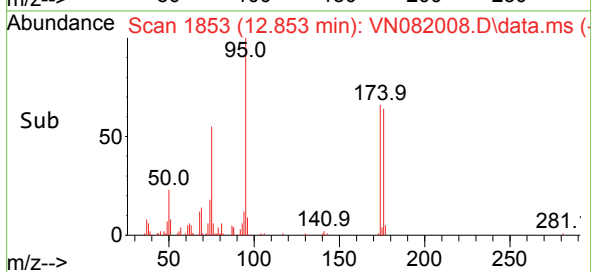
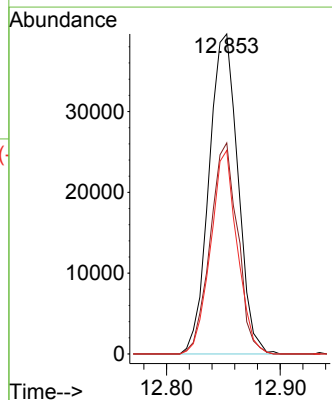
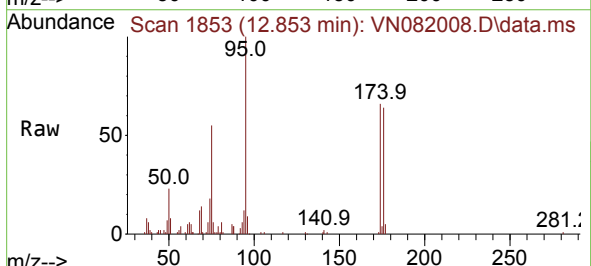
Instrument :
MSVOA_N
ClientSampleId :

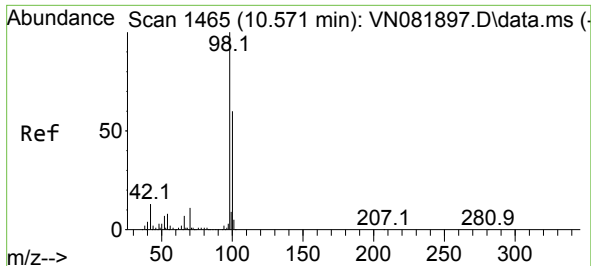
Tgt Ion: 43 Resp: 730
Ion Ratio Lower Upper
43 100
58 33.6 36.5 54.7#
85 0.0 19.5 29.3#



#60
4-Bromofluorobenzene
Concen: 27.623 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082008.D
Acq: 06 May 2024 14:48

Tgt Ion: 95 Resp: 69970
Ion Ratio Lower Upper
95 100
174 62.7 60.5 90.7
176 58.6 57.8 86.6

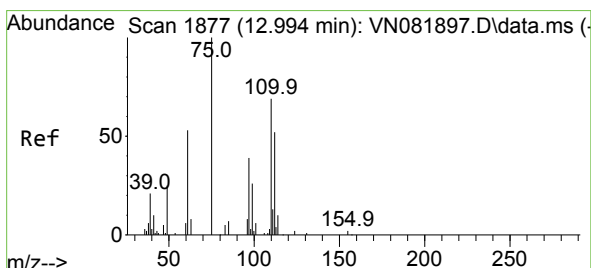
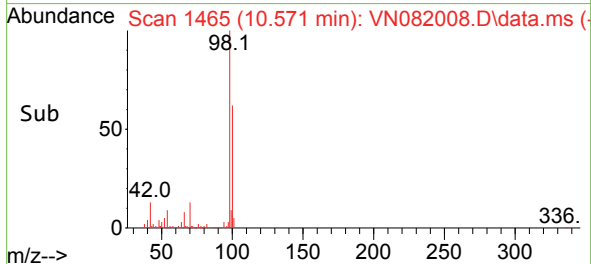
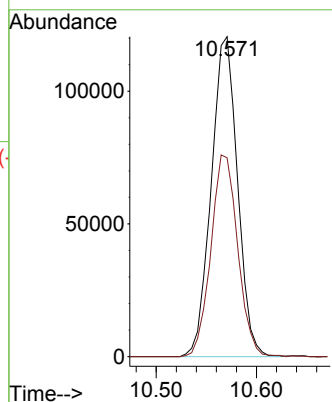
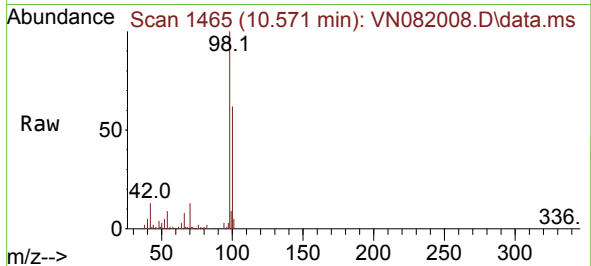




#63
Toluene-d8
Concen: 30.366 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082008.D
Acq: 06 May 2024 14:48

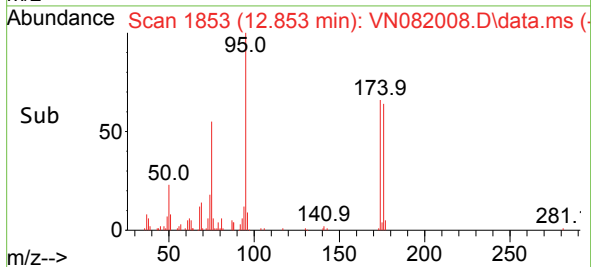
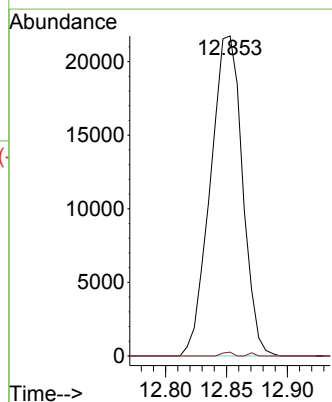
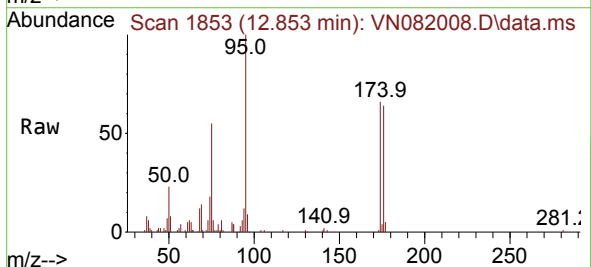
Instrument :
MSVOA_N
ClientSampleId :

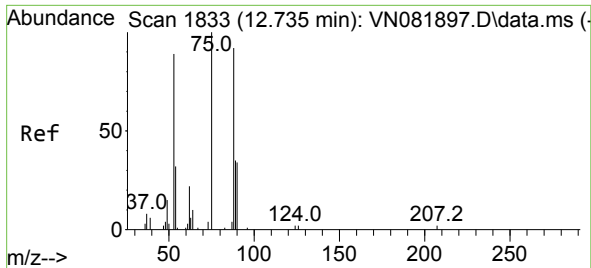
Tgt Ion: 98 Resp: 219500
Ion Ratio Lower Upper
98 100
100 64.4 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 16.916 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082008.D
Acq: 06 May 2024 14:48

Tgt Ion: 75 Resp: 39803
Ion Ratio Lower Upper
75 100
77 0.4 0.0 367.6





#77
 t-1,4-Dichloro-2-butene
 Concen: 38.007 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN082008.D
 Acq: 06 May 2024 14:48

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 39803
 Ion Ratio Lower Upper
 75 100
 53 0.0 45.9 137.7#
 89 0.0 25.9 77.7#

