

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050224\
 Data File : VN081973.D
 Acq On : 02 May 2024 11:51
 Operator : JC\MD
 Sample : P2343-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 03 00:10:18 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)

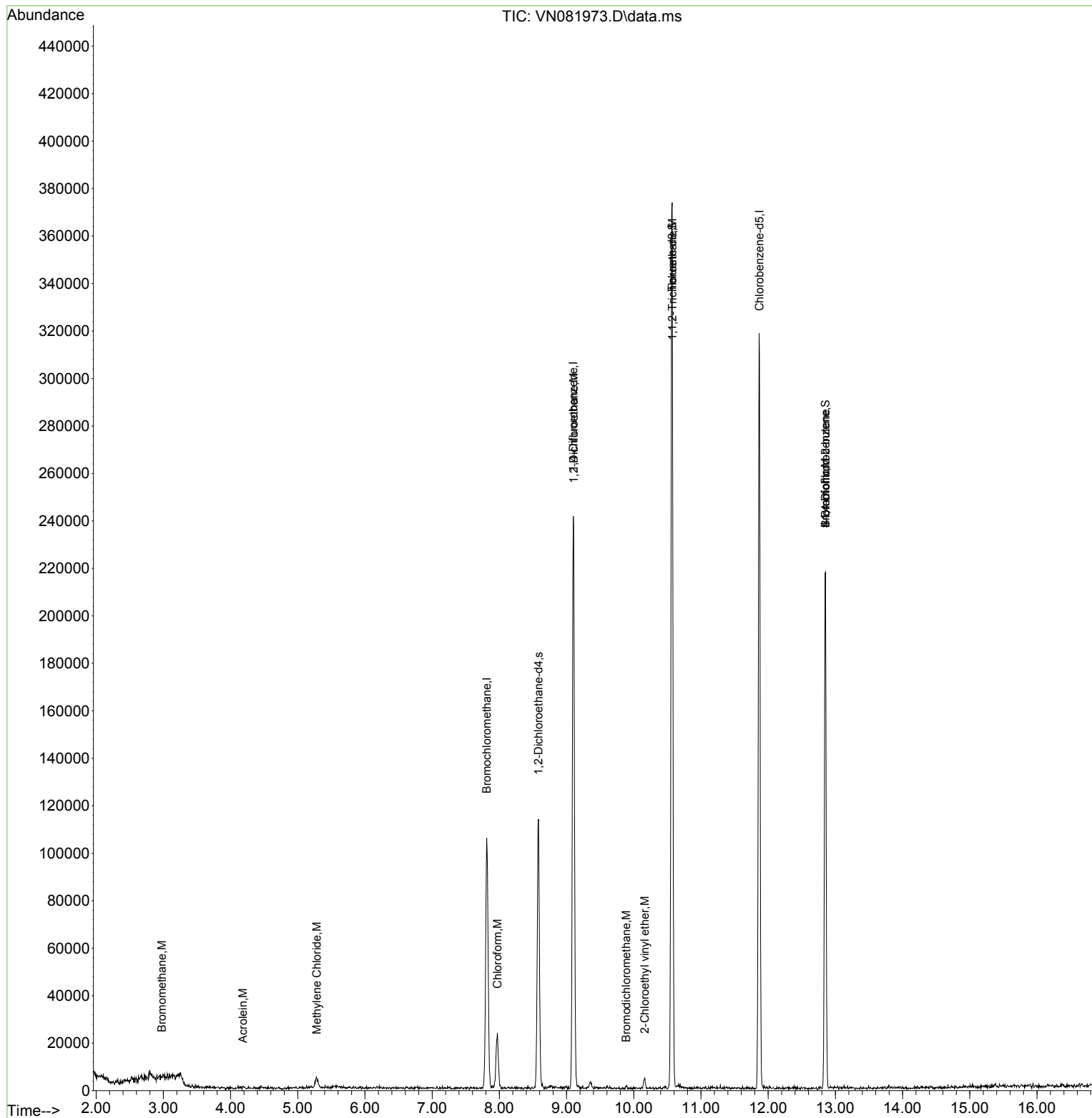
Internal Standards						
1) Bromochloromethane	7.812	128	32239	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	209838	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	174360	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	88246	32.693	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	108.967%
60) 4-Bromofluorobenzene	12.853	95	78857	27.176	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.600%
63) Toluene-d8	10.571	98	259320	31.317	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.400%
Target Compounds						
					Qvalue	
5) Bromomethane	2.977	94	351	0.336	ug/l	90
13) Acrolein	4.183	56	336	0.642	ug/l #	79
18) Methylene Chloride	5.283	84	1334	0.596	ug/l #	68
25) Chloroform	7.971	83	10895	2.798	ug/l	87
36) 1,2-Dichloroethane	9.106	62	8075	2.414	ug/l #	72
41) Bromodichloromethane	9.888	83	805	0.229	ug/l #	78
50) 1,1,2-Trichloroethane	10.577	97	7917	3.552	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.165	63	2362	1.123	ug/l #	83
56) Bromoform	12.853	173	400	0.271	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	42108	35.099	ug/l #	12

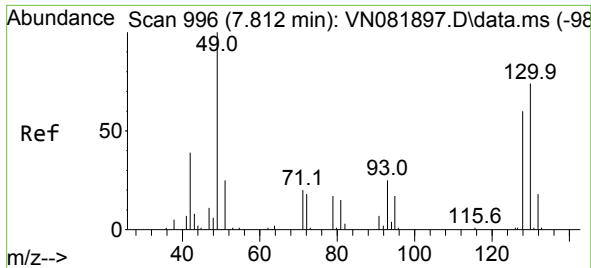
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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Quant Time: May 03 00:10:18 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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.812 min Scan# 996

Delta R.T. 0.000 min

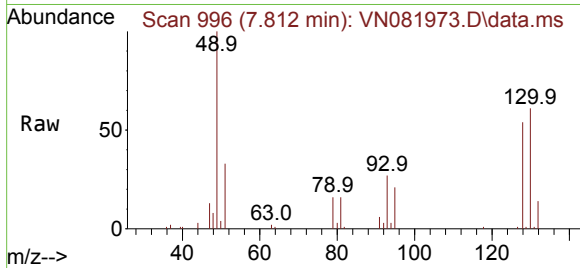
Lab File: VN081973.D

Acq: 02 May 2024 11:51

Instrument :

MSVOA_N

ClientSampleId :



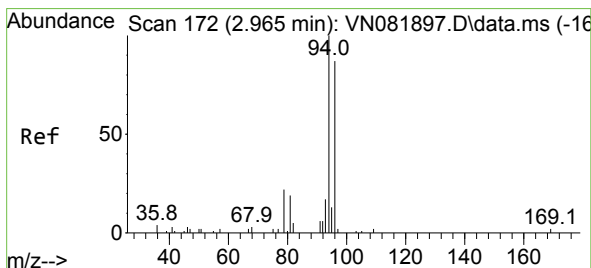
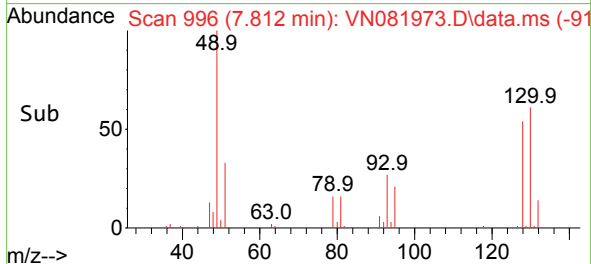
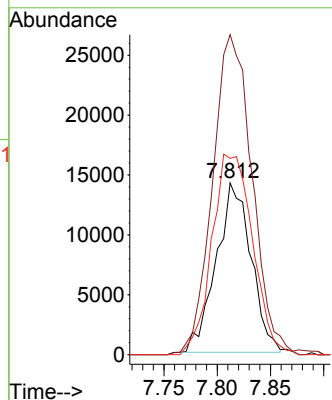
Tgt Ion:128 Resp: 32239

Ion Ratio Lower Upper

128 100

49 213.4 0.0 403.7

130 138.1 0.0 323.3



#5

Bromomethane

Concen: 0.336 ug/l

RT: 2.977 min Scan# 174

Delta R.T. 0.012 min

Lab File: VN081973.D

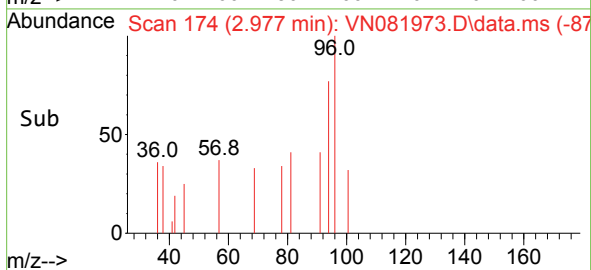
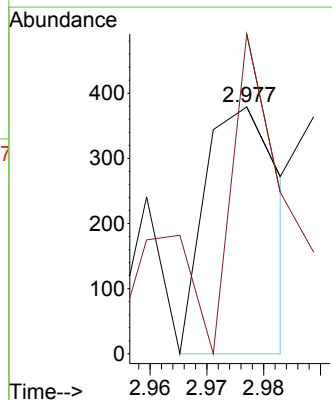
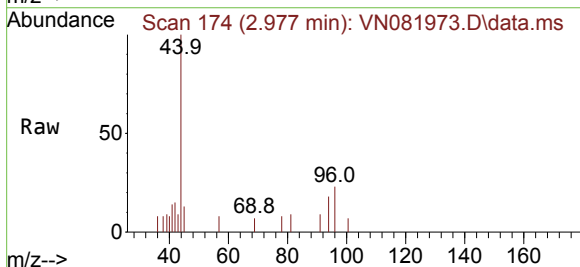
Acq: 02 May 2024 11:51

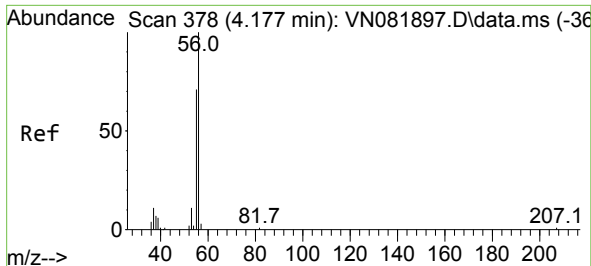
Tgt Ion: 94 Resp: 351

Ion Ratio Lower Upper

94 100

96 81.5 72.8 109.2

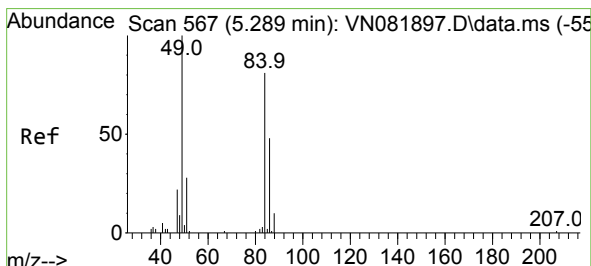
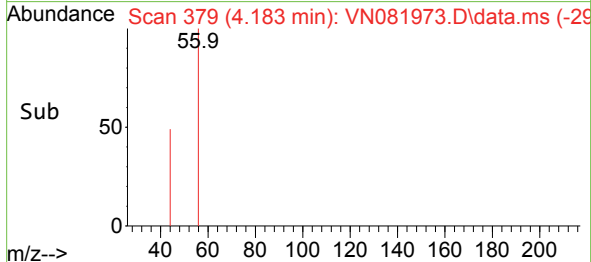
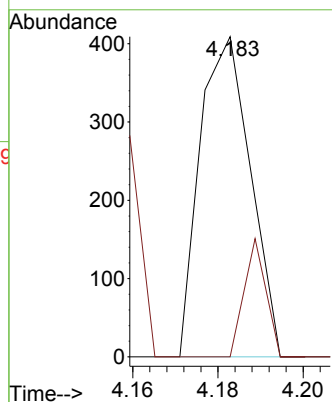
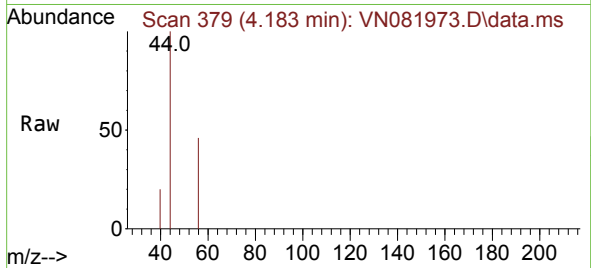




#13
Acrolein
Concen: 0.642 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN081973.D
Acq: 02 May 2024 11:51

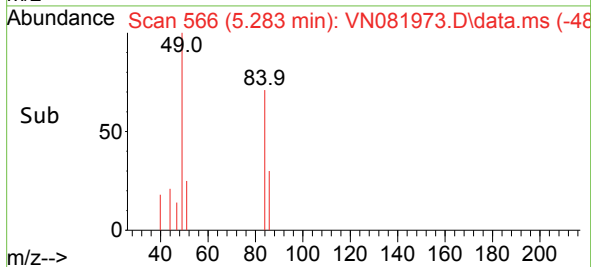
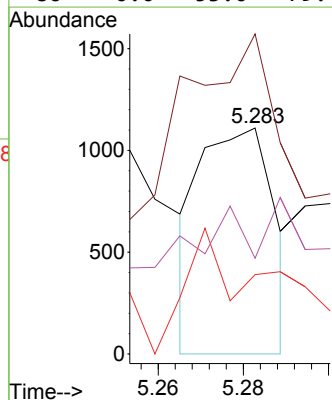
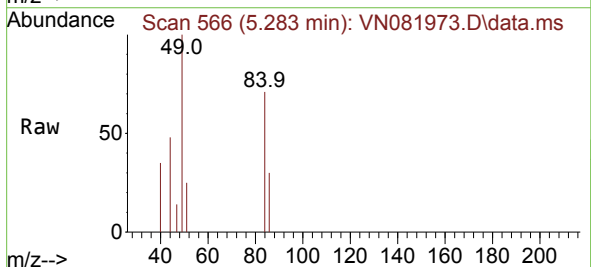
Instrument :
MSVOA_N
ClientSampleId :

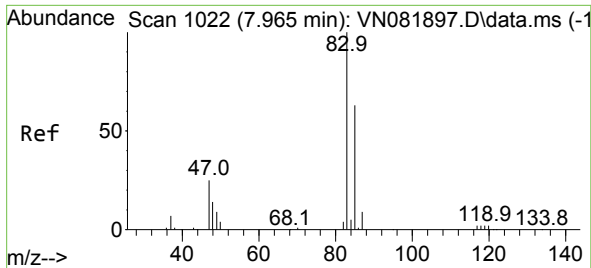
Tgt Ion: 56 Resp: 336
Ion Ratio Lower Upper
56 100
55 52.4 55.5 83.3#



#18
Methylene Chloride
Concen: 0.596 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.006 min
Lab File: VN081973.D
Acq: 02 May 2024 11:51

Tgt Ion: 84 Resp: 1334
Ion Ratio Lower Upper
84 100
49 105.1 86.0 129.0
51 22.2 30.0 45.0#
86 0.0 53.0 79.4#

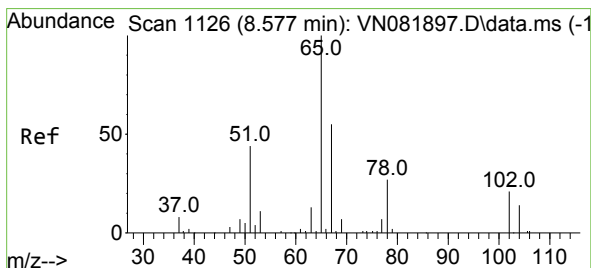
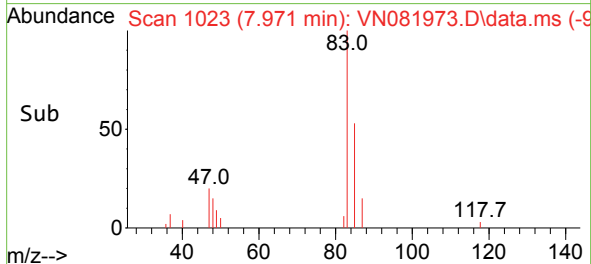
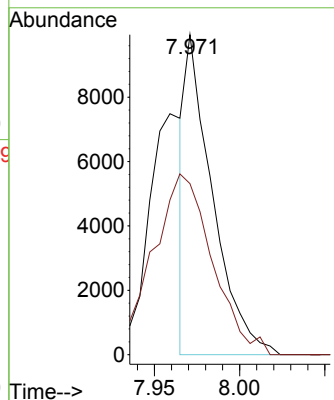
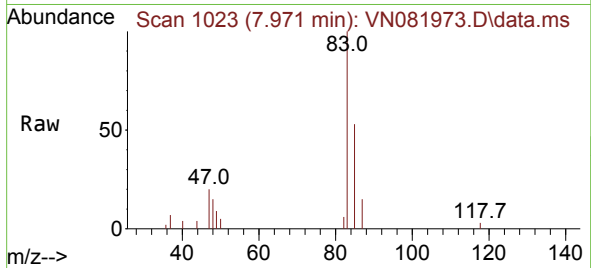




#25
Chloroform
Concen: 2.798 ug/l
RT: 7.971 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN081973.D
Acq: 02 May 2024 11:51

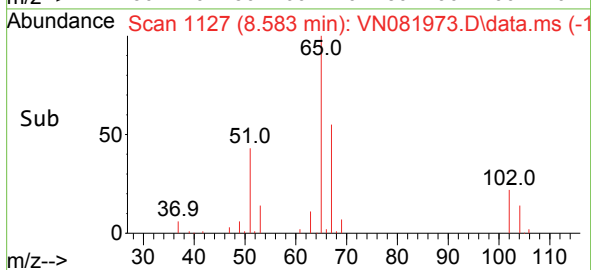
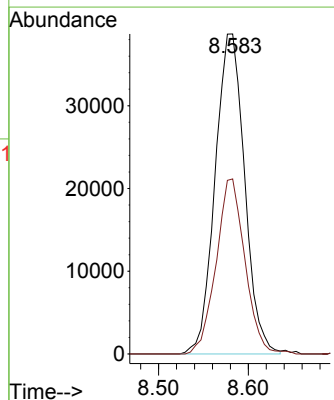
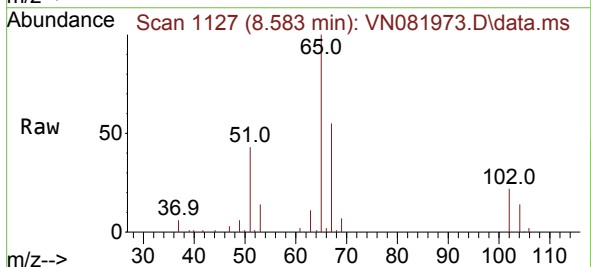
Instrument :
MSVOA_N
ClientSampleId :

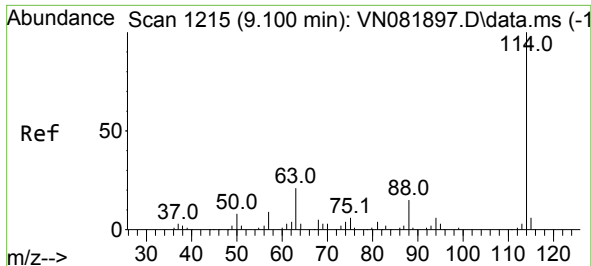
Tgt Ion: 83 Resp: 10895
Ion Ratio Lower Upper
83 100
85 53.4 50.9 76.3



#27
1,2-Dichloroethane-d4
Concen: 32.693 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081973.D
Acq: 02 May 2024 11:51

Tgt Ion: 65 Resp: 88246
Ion Ratio Lower Upper
65 100
67 53.6 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN081973.D

Acq: 02 May 2024 11:51

Instrument :

MSVOA_N

ClientSampleId :

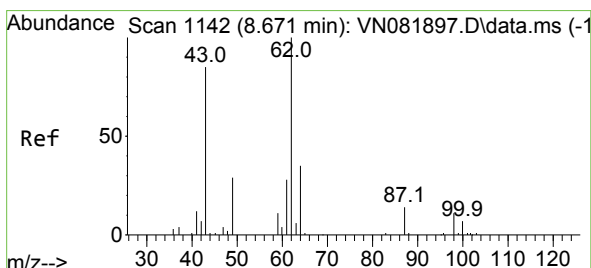
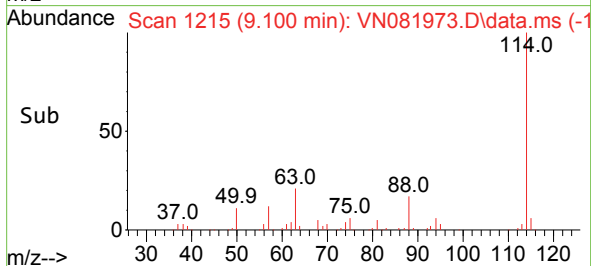
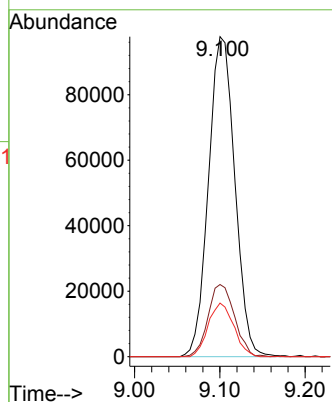
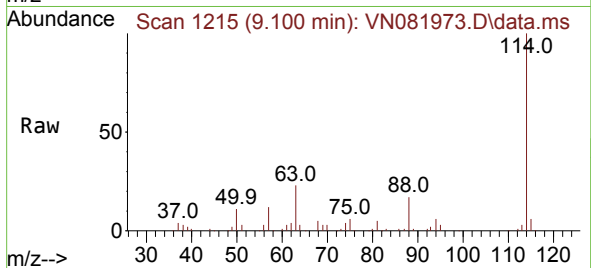
Tgt Ion:114 Resp: 209838

Ion Ratio Lower Upper

114 100

63 22.5 15.9 23.9

88 16.2 12.7 19.1



#36

1,2-Dichloroethane

Concen: 2.414 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.435 min

Lab File: VN081973.D

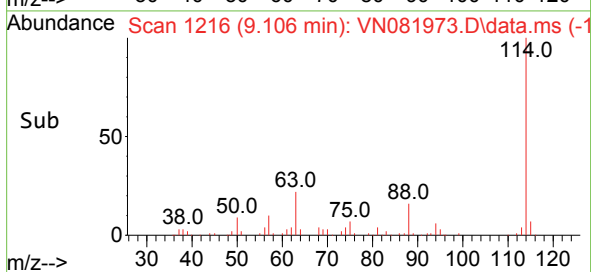
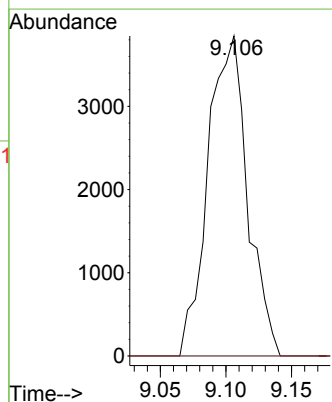
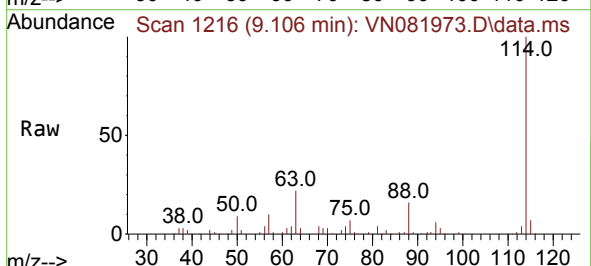
Acq: 02 May 2024 11:51

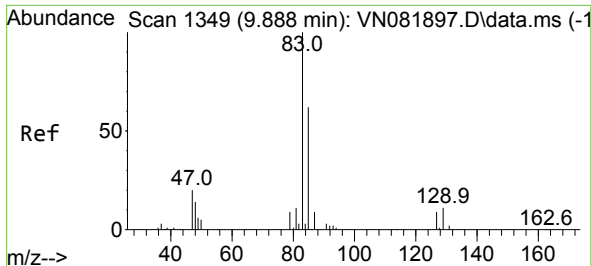
Tgt Ion: 62 Resp: 8075

Ion Ratio Lower Upper

62 100

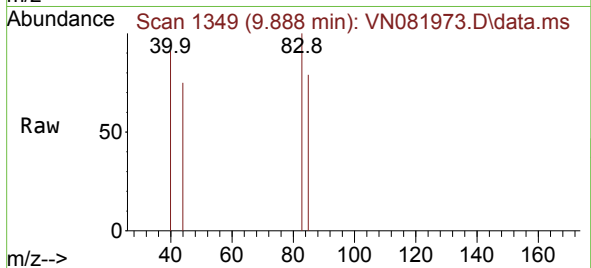
98 0.0 8.2 12.4#



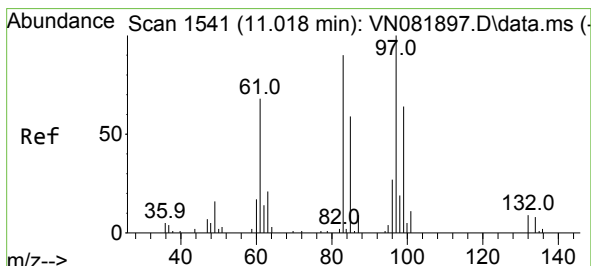
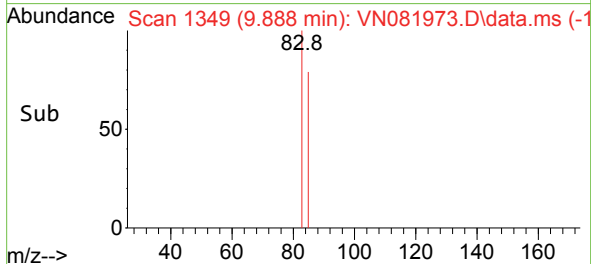
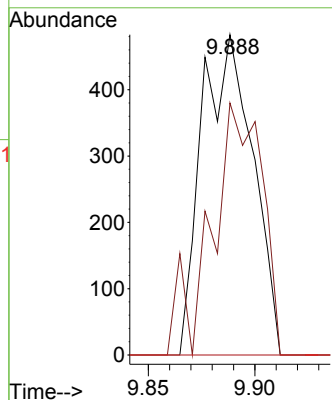


#41
Bromodichloromethane
Concen: 0.229 ug/l
RT: 9.888 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081973.D
Acq: 02 May 2024 11:51

Instrument :
MSVOA_N
ClientSampleId :

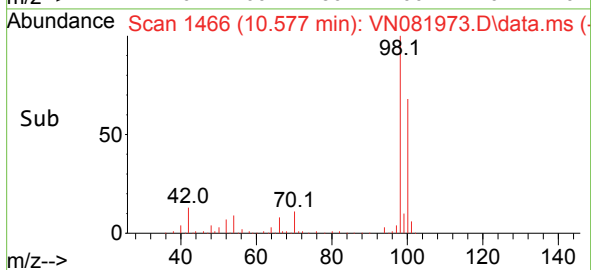
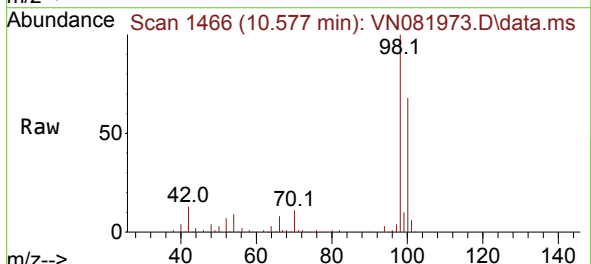
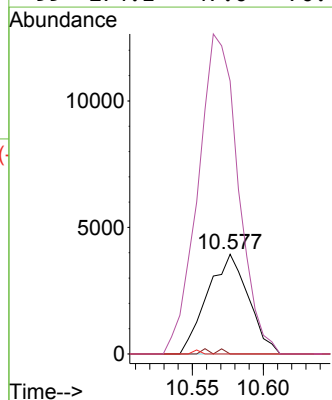


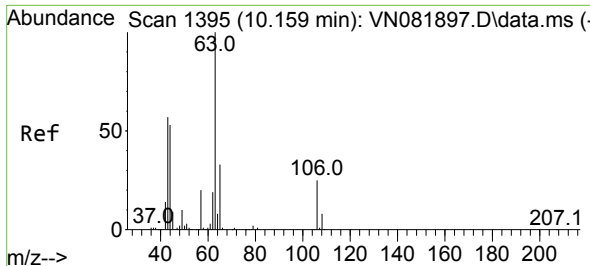
Tgt Ion: 83 Resp: 805
Ion Ratio Lower Upper
83 100
85 78.7 49.4 74.2#
127 0.0 7.3 10.9#



#50
1,1,2-Trichloroethane
Concen: 3.552 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. -0.441 min
Lab File: VN081973.D
Acq: 02 May 2024 11:51

Tgt Ion: 97 Resp: 7917
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 274.1 47.0 70.4#

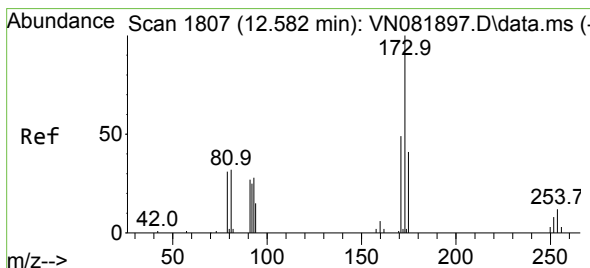
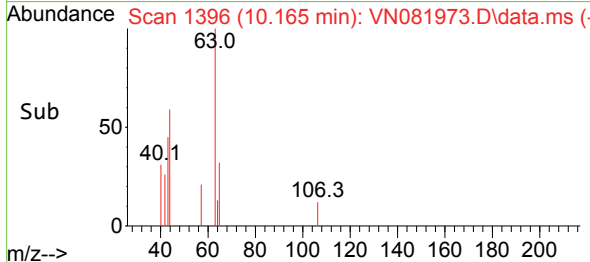
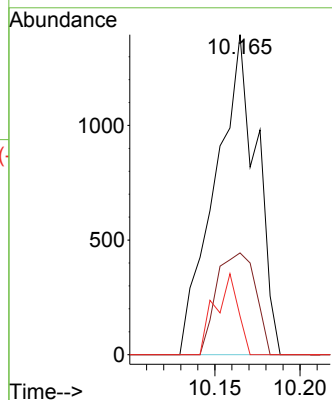
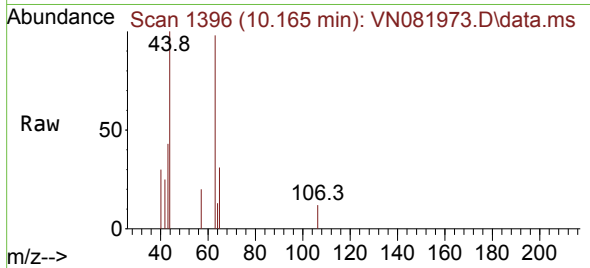




#55
2-Chloroethyl vinyl ether
Concen: 1.123 ug/l
RT: 10.165 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081973.D
Acq: 02 May 2024 11:51

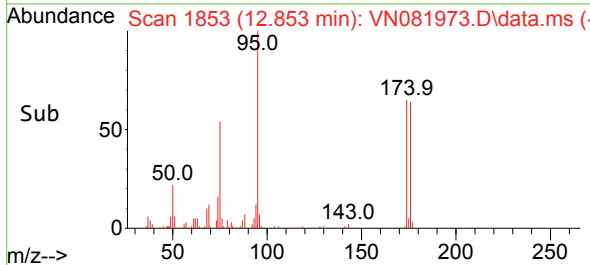
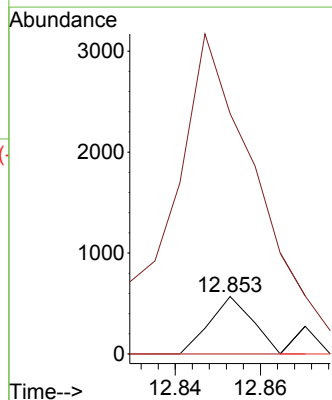
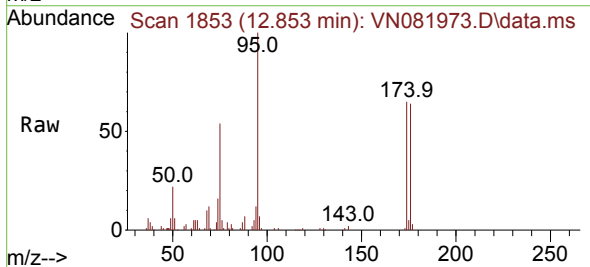
Instrument :
MSVOA_N
ClientSampleId :

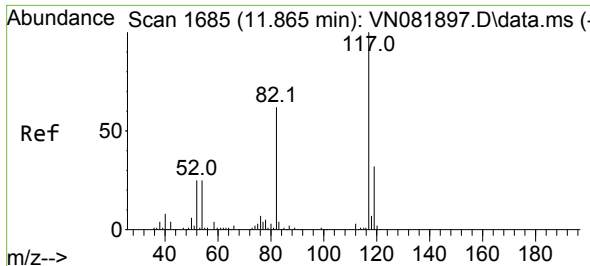
Tgt Ion: 63 Resp: 2362
Ion Ratio Lower Upper
63 100
65 29.9 26.2 39.2
106 14.1 23.8 35.8#



#56
Bromoform
Concen: 0.271 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.270 min
Lab File: VN081973.D
Acq: 02 May 2024 11:51

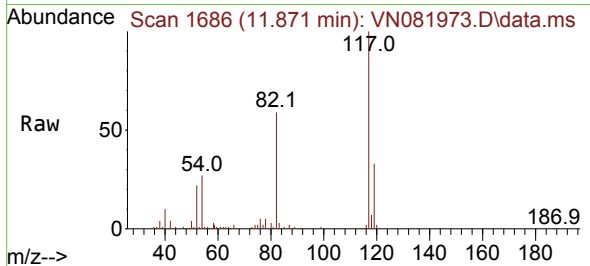
Tgt Ion:173 Resp: 400
Ion Ratio Lower Upper
173 100
175 1162.8 40.0 60.0#
254 0.0 8.3 12.5#



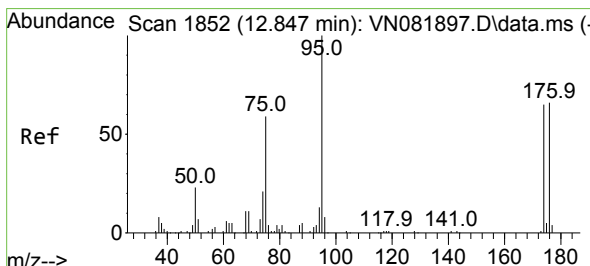
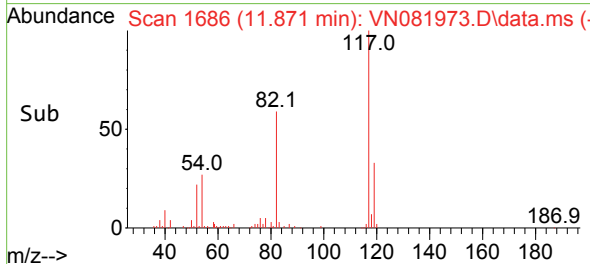
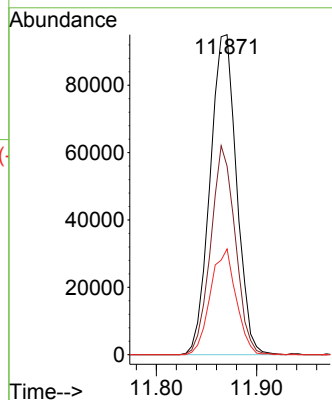


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081973.D
Acq: 02 May 2024 11:51

Instrument :
MSVOA_N
ClientSampleId :

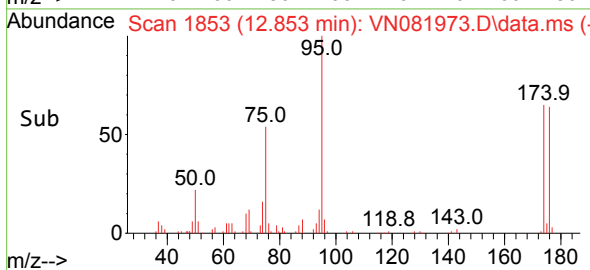
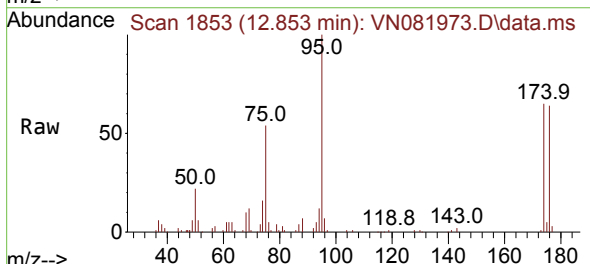
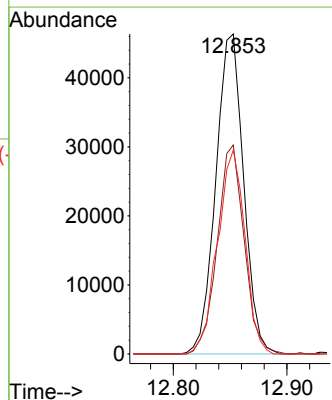


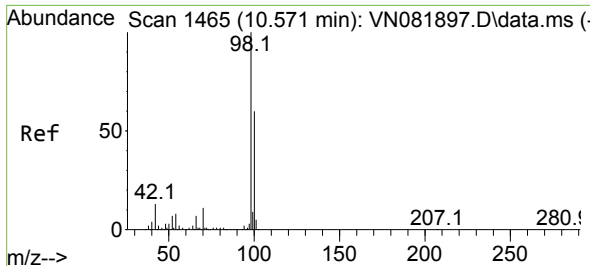
Tgt Ion:117 Resp: 174360
Ion Ratio Lower Upper
117 100
82 60.6 46.6 69.8
119 32.1 25.4 38.2



#60
4-Bromofluorobenzene
Concen: 27.176 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081973.D
Acq: 02 May 2024 11:51

Tgt Ion: 95 Resp: 78857
Ion Ratio Lower Upper
95 100
174 63.3 60.5 90.7
176 63.0 57.8 86.6

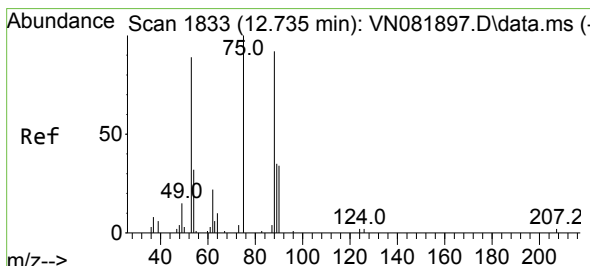
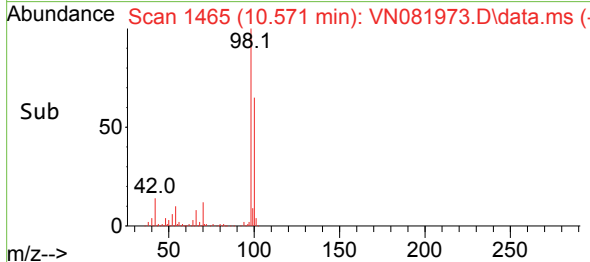
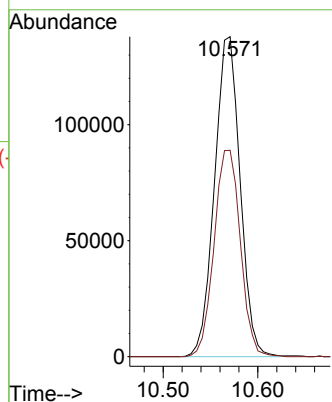
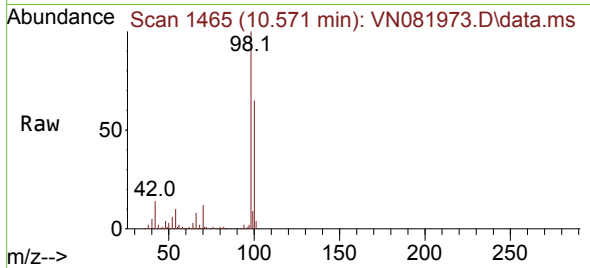




#63
Toluene-d8
Concen: 31.317 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN081973.D
Acq: 02 May 2024 11:51

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 259320
Ion Ratio Lower Upper
98 100
100 66.1 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 35.099 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN081973.D
Acq: 02 May 2024 11:51

Tgt Ion: 75 Resp: 42108
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

