

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050824\
 Data File : VN082029.D
 Acq On : 08 May 2024 12:36
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 09 01:03:36 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)

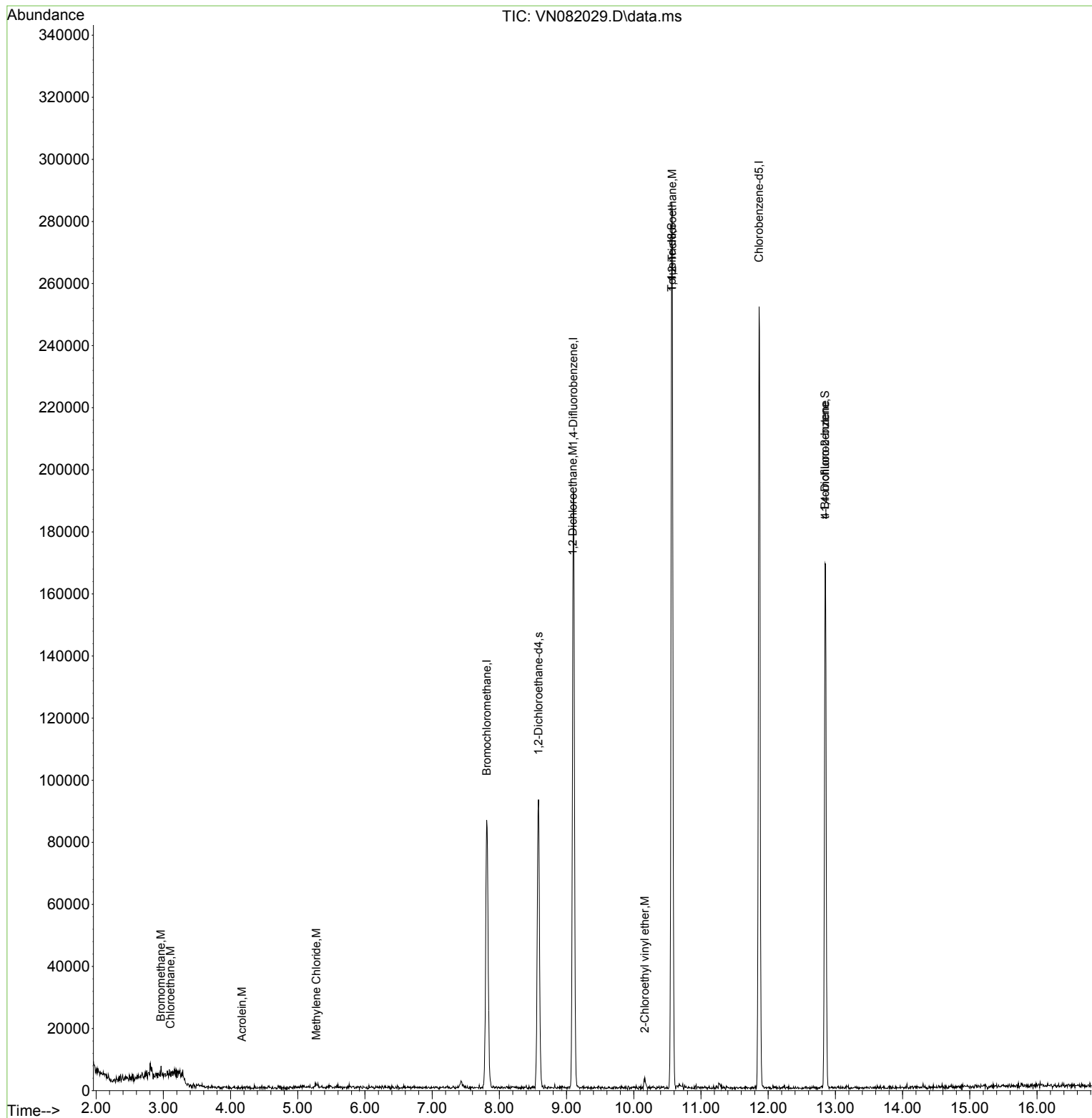
Internal Standards						
1) Bromochloromethane	7.812	128	27979	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	158240	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	135546	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	73322	31.300	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.333%
60) 4-Bromofluorobenzene	12.847	95	62880	27.875	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.933%
63) Toluene-d8	10.565	98	193954	30.131	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.433%
Target Compounds						
					Qvalue	
5) Bromomethane	2.965	94	331	0.365	ug/l #	44
6) Chloroethane	3.106	64	256	0.260	ug/l #	41
13) Acrolein	4.171	56	101	0.222	ug/l #	15
18) Methylene Chloride	5.277	84	559	0.288	ug/l #	10
36) 1,2-Dichloroethane	9.094	62	6595	2.614	ug/l #	72
50) 1,1,2-Trichloroethane	10.571	97	6470	3.849	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.165	63	1564	0.986	ug/l #	61
77) t-1,4-Dichloro-2-butene	12.847	75	33026	35.412	ug/l #	12

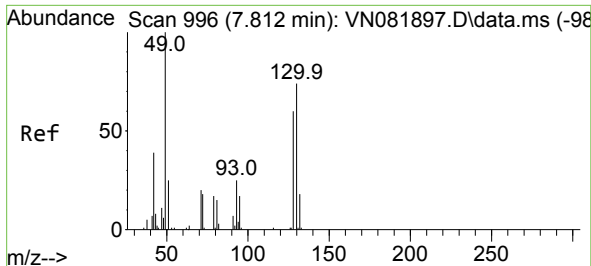
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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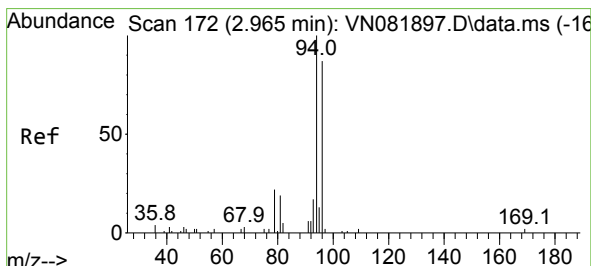
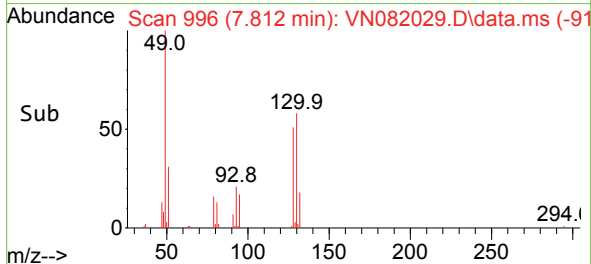
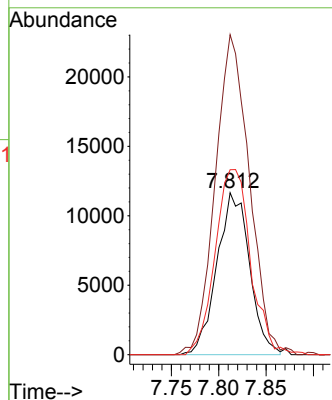
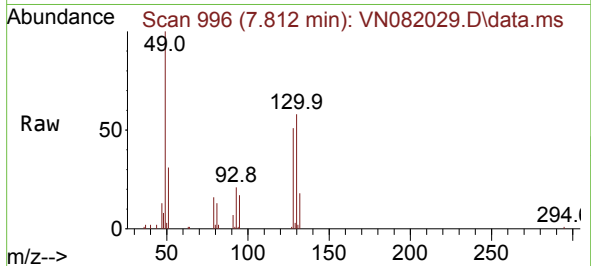




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN082029.D
Acq: 08 May 2024 12:36

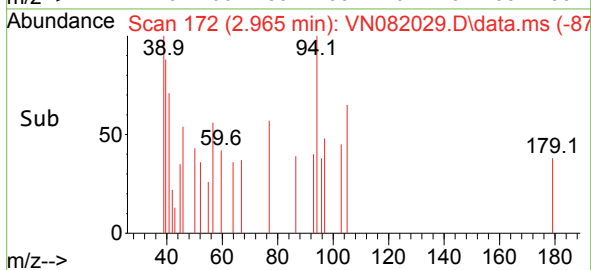
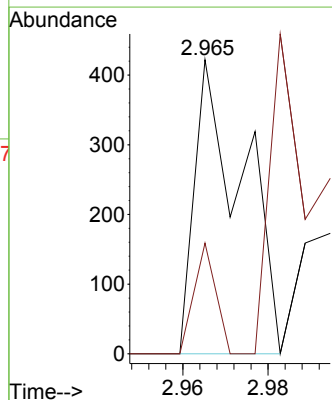
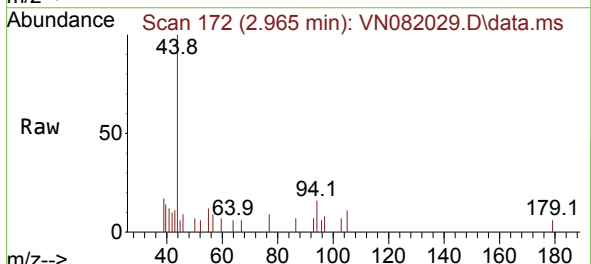
Instrument :
MSVOA_N
ClientSampleId :
IBLK

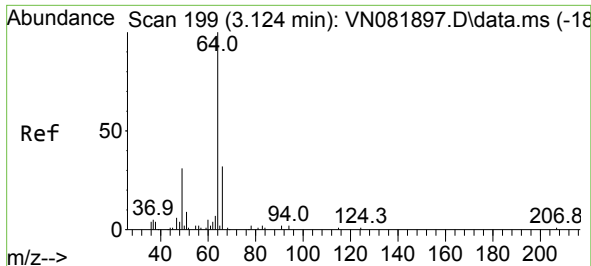
Tgt Ion:128 Resp: 27979
Ion Ratio Lower Upper
128 100
49 205.4 0.0 403.7
130 122.8 0.0 323.3



#5
Bromomethane
Concen: 0.365 ug/l
RT: 2.965 min Scan# 172
Delta R.T. -0.000 min
Lab File: VN082029.D
Acq: 08 May 2024 12:36

Tgt Ion: 94 Resp: 331
Ion Ratio Lower Upper
94 100
96 37.7 72.8 109.2#

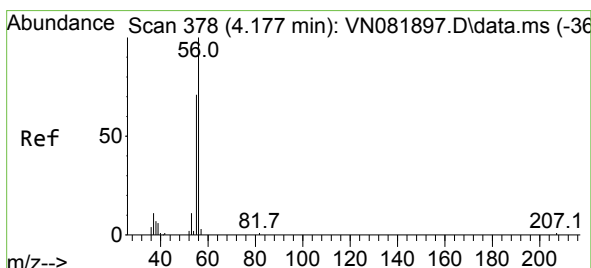
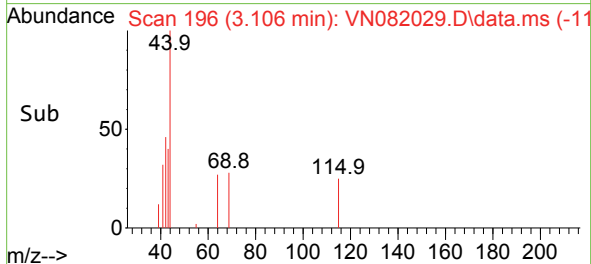
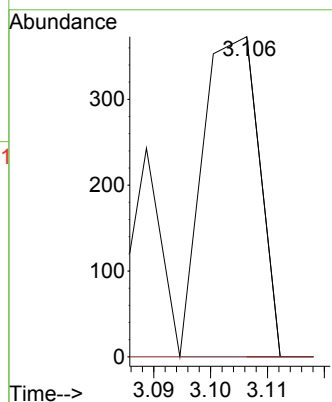
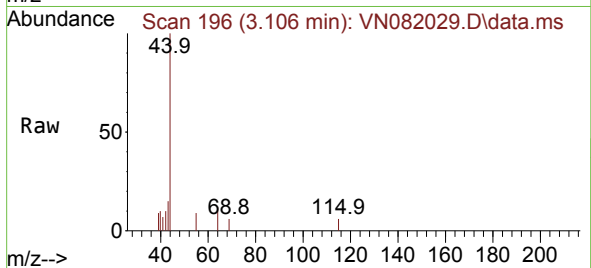




#6
Chloroethane
Concen: 0.260 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.018 min
Lab File: VN082029.D
Acq: 08 May 2024 12:36

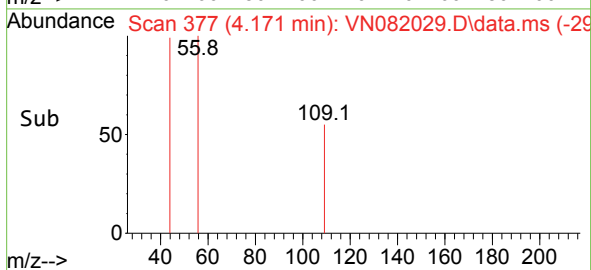
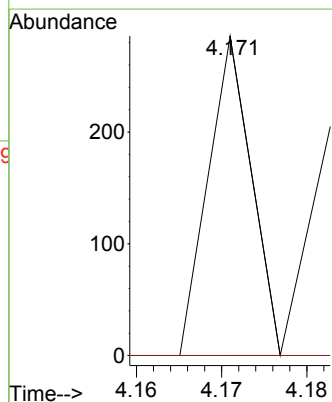
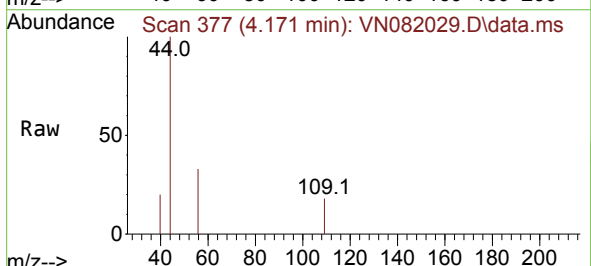
Instrument :
MSVOA_N
ClientSampleId :
IBLK

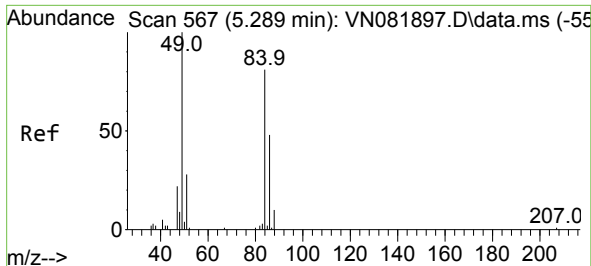
Tgt Ion: 64 Resp: 256
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#



#13
Acrolein
Concen: 0.222 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN082029.D
Acq: 08 May 2024 12:36

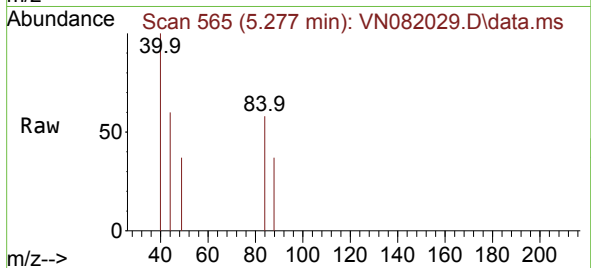
Tgt Ion: 56 Resp: 101
Ion Ratio Lower Upper
56 100
55 0.0 55.5 83.3#



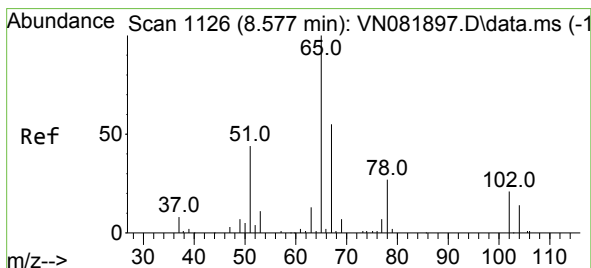
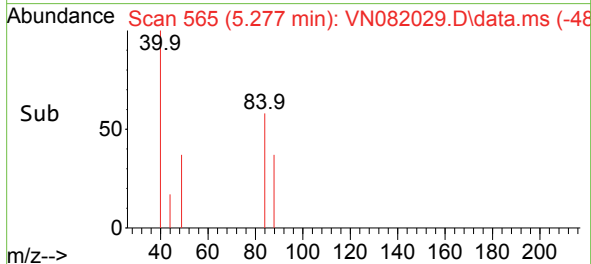
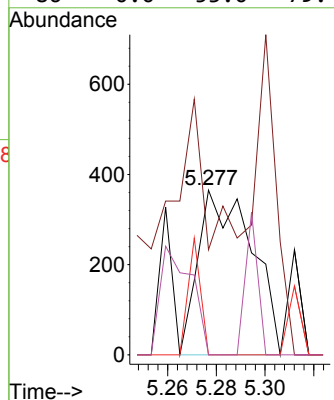


#18
Methylene Chloride
Concen: 0.288 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN082029.D
Acq: 08 May 2024 12:36

Instrument :
MSVOA_N
ClientSampleId :
IBLK

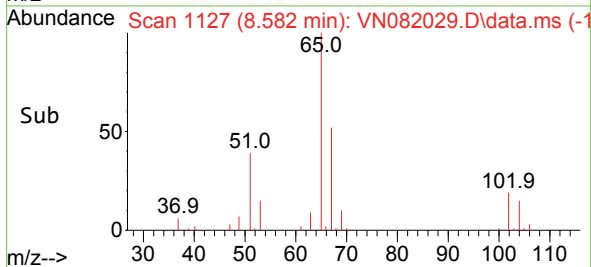
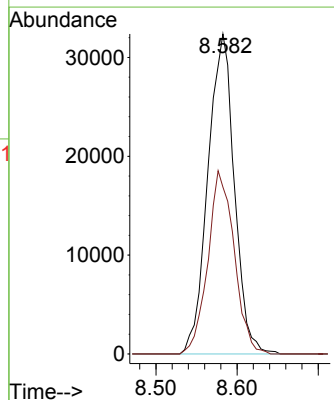
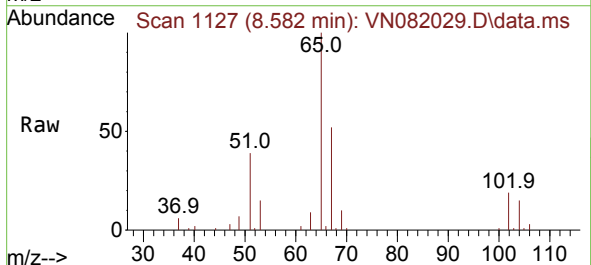


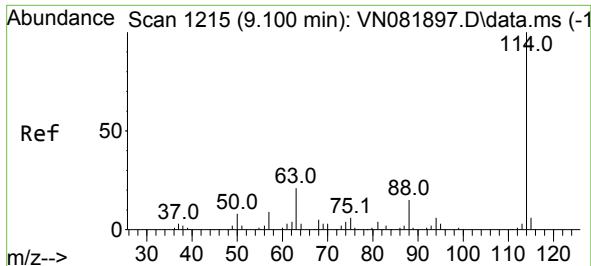
Tgt Ion: 84 Resp: 559
Ion Ratio Lower Upper
84 100
49 0.0 86.0 129.0#
51 0.0 30.0 45.0#
86 0.0 53.0 79.4#



#27
1,2-Dichloroethane-d4
Concen: 31.300 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082029.D
Acq: 08 May 2024 12:36

Tgt Ion: 65 Resp: 73322
Ion Ratio Lower Upper
65 100
67 57.0 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: VN082029.D

Acq: 08 May 2024 12:36

Instrument :

MSVOA_N

ClientSampleId :

IBLK

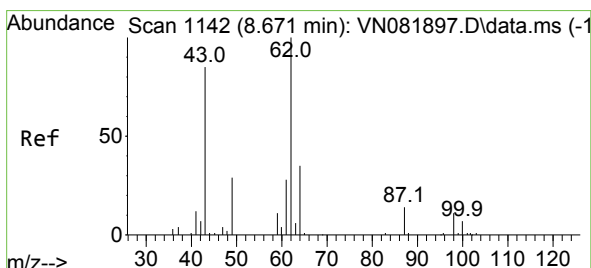
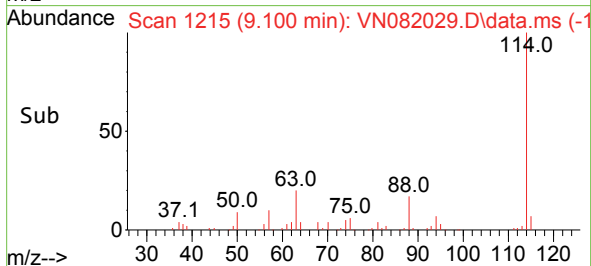
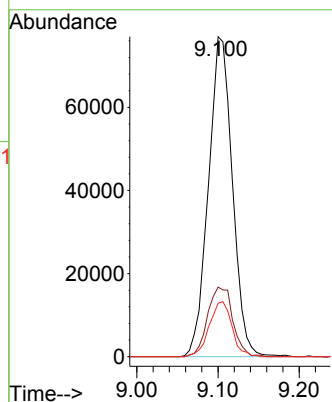
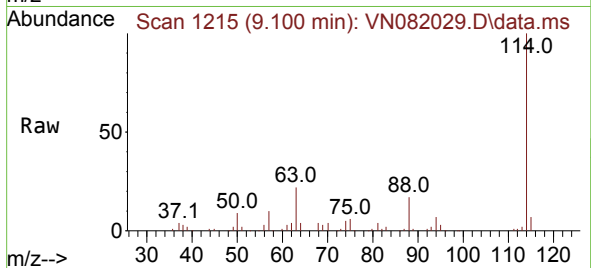
Tgt Ion:114 Resp: 158240

Ion Ratio Lower Upper

114 100

63 22.7 15.9 23.9

88 16.3 12.7 19.1



#36

1,2-Dichloroethane

Concen: 2.614 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. 0.423 min

Lab File: VN082029.D

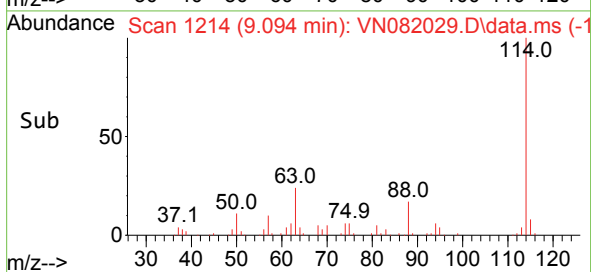
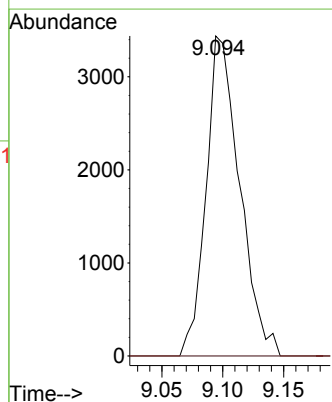
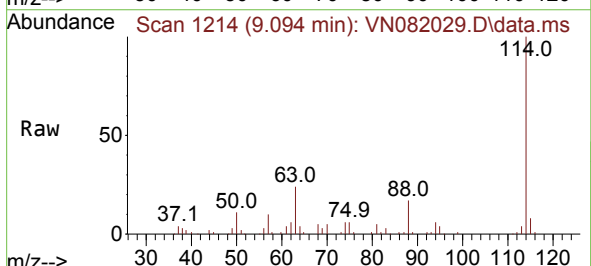
Acq: 08 May 2024 12:36

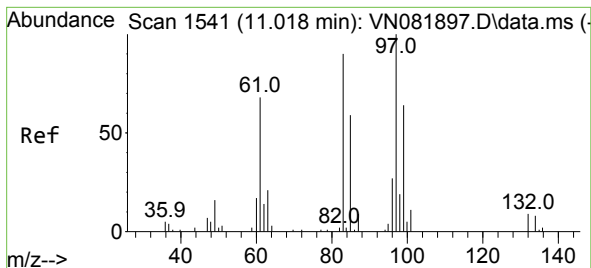
Tgt Ion: 62 Resp: 6595

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#





#50

1,1,2-Trichloroethane

Concen: 3.849 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.447 min

Lab File: VN082029.D

Acq: 08 May 2024 12:36

Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion: 97 Resp: 6470

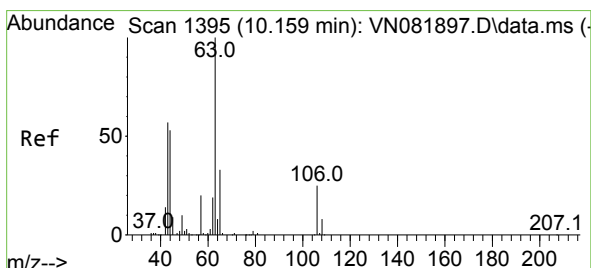
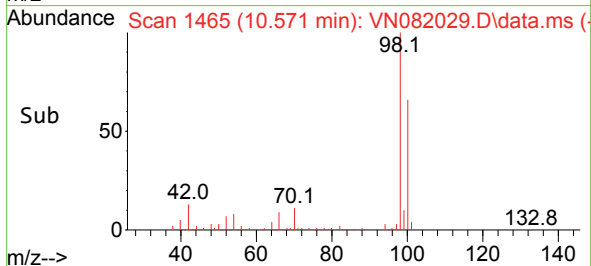
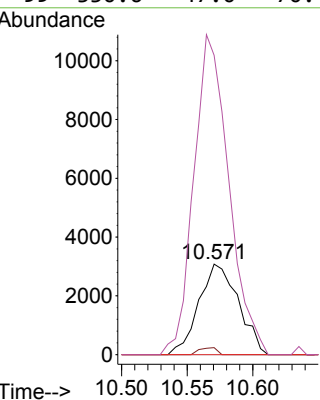
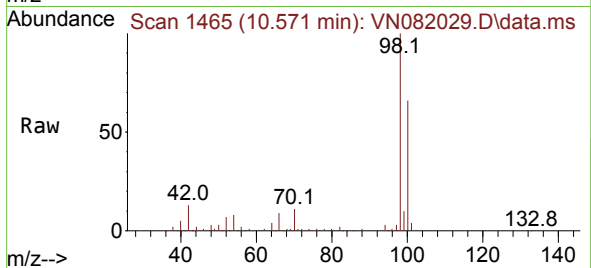
Ion Ratio Lower Upper

97 100

83 7.8 68.1 102.1#

85 0.0 41.8 62.6#

99 330.6 47.0 70.4#



#55

2-Chloroethyl vinyl ether

Concen: 0.986 ug/l

RT: 10.165 min Scan# 1396

Delta R.T. 0.006 min

Lab File: VN082029.D

Acq: 08 May 2024 12:36

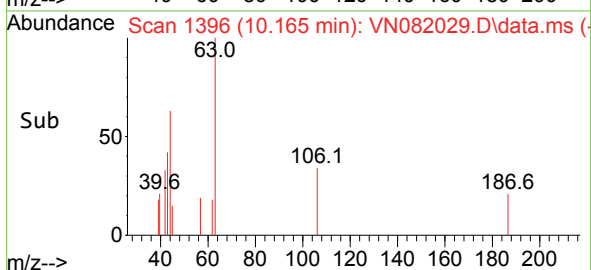
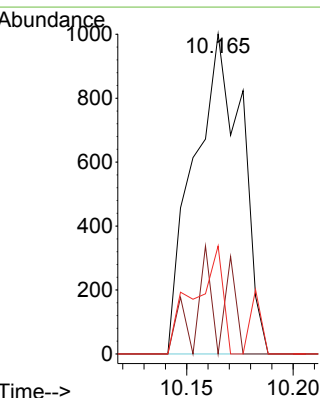
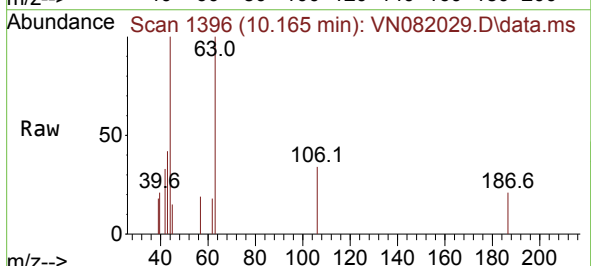
Tgt Ion: 63 Resp: 1564

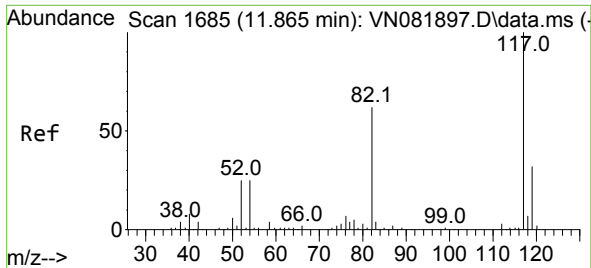
Ion Ratio Lower Upper

63 100

65 7.6 26.2 39.2#

106 11.9 23.8 35.8#

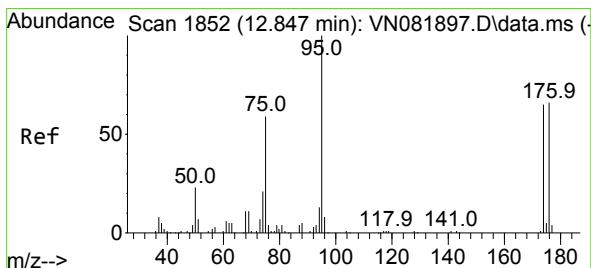
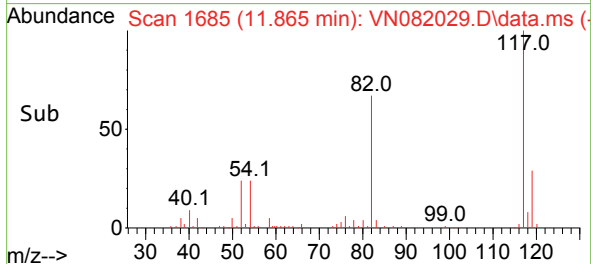
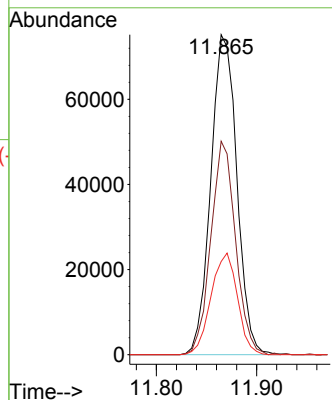
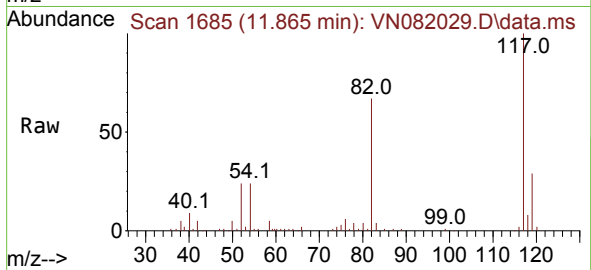




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN082029.D
Acq: 08 May 2024 12:36

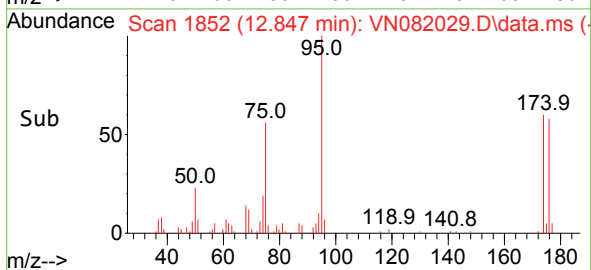
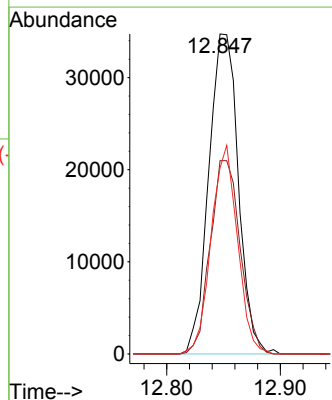
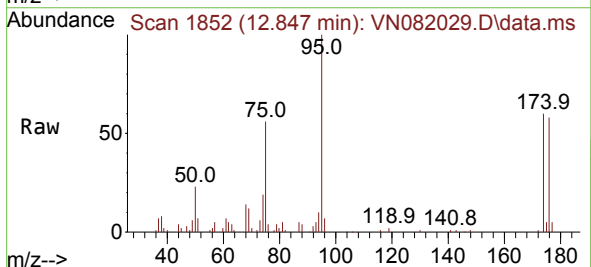
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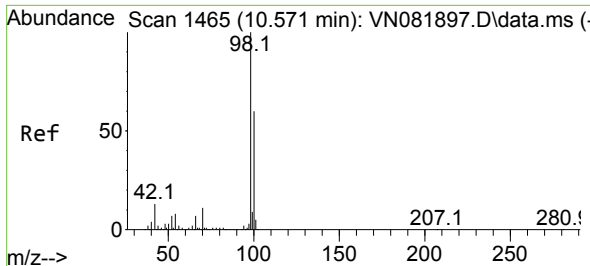
Tgt Ion:117 Resp: 135546
Ion Ratio Lower Upper
117 100
82 63.3 46.6 69.8
119 32.2 25.4 38.2



#60
4-Bromofluorobenzene
Concen: 27.875 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082029.D
Acq: 08 May 2024 12:36

Tgt Ion: 95 Resp: 62880
Ion Ratio Lower Upper
95 100
174 61.4 60.5 90.7
176 57.9 57.8 86.6

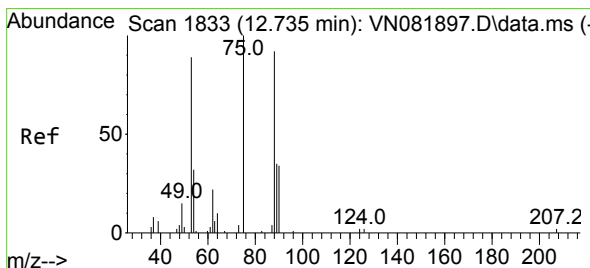
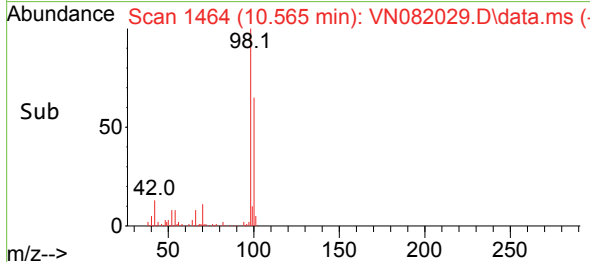
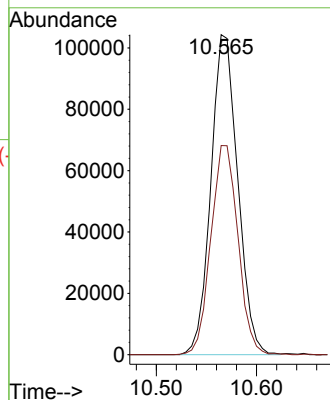
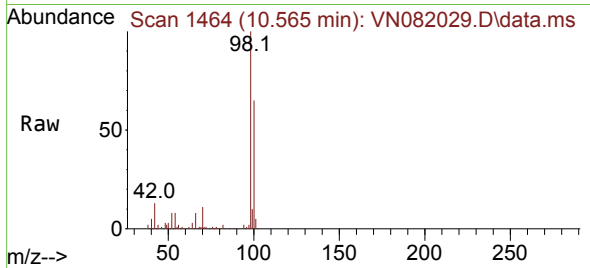




#63
Toluene-d8
Concen: 30.131 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN082029.D
Acq: 08 May 2024 12:36

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 98 Resp: 193954
Ion Ratio Lower Upper
98 100
100 65.9 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 35.412 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN082029.D
Acq: 08 May 2024 12:36

Tgt Ion: 75 Resp: 33026
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

