

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050824\
 Data File : VN082033.D
 Acq On : 08 May 2024 17:37
 Operator : JC\MD
 Sample : P2424-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240507002-04-TRIP-BLANK

Quant Time: May 09 01:04:50 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)

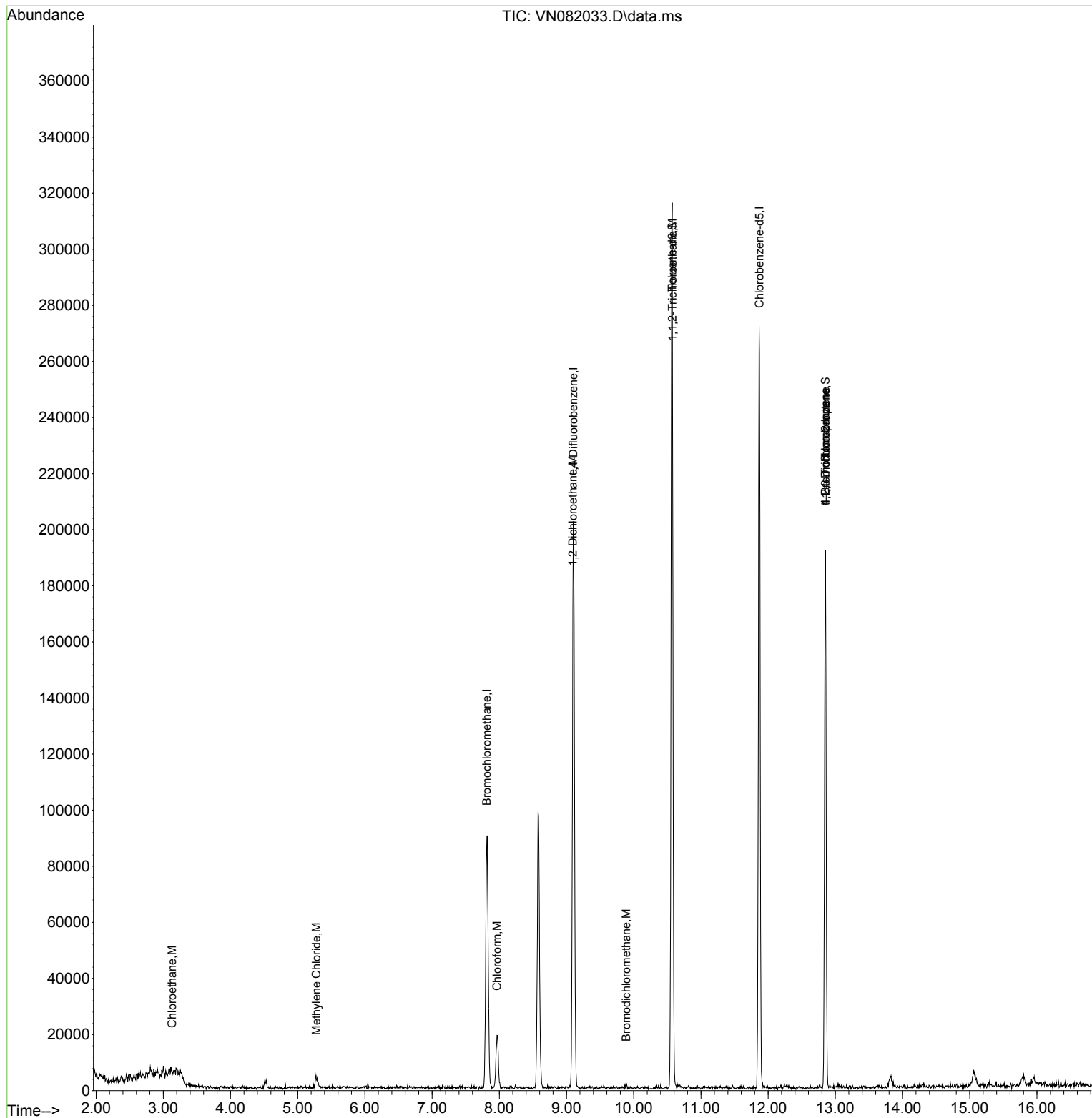
Internal Standards						
1) Bromochloromethane	7.812	128	29066	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	169940	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	141823	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.688	65	174	0.072	ug/l	0.11
Spiked Amount	30.000	Range	91 - 110	Recovery	=	0.233%#
60) 4-Bromofluorobenzene	12.853	95	66141	28.023	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.400%
63) Toluene-d8	10.571	98	209100	31.046	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.500%
Target Compounds						
					Qvalue	
6) Chloroethane	3.130	64	205	0.200	ug/l #	41
18) Methylene Chloride	5.277	84	1432	0.709	ug/l #	87
25) Chloroform	7.965	83	17658	5.030	ug/l	90
36) 1,2-Dichloroethane	9.094	62	6201	2.289	ug/l #	72
41) Bromodichloromethane	9.888	83	743	0.261	ug/l #	51
50) 1,1,2-Trichloroethane	10.577	97	6105	3.382	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	36863	16.814	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	36863	37.777	ug/l #	12

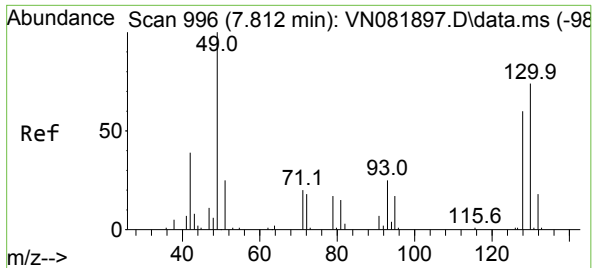
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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
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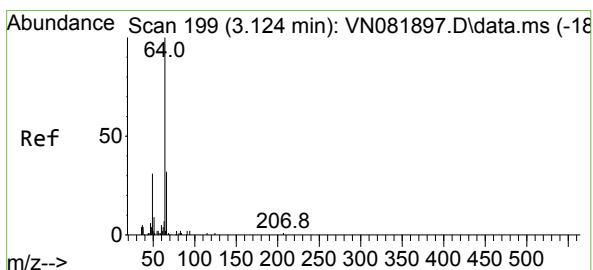
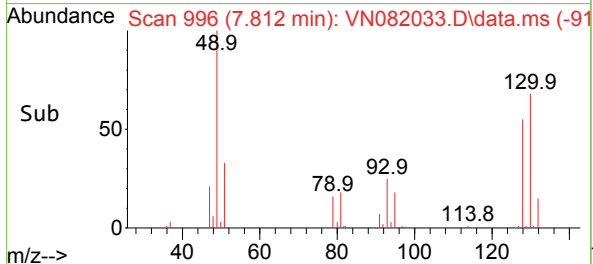
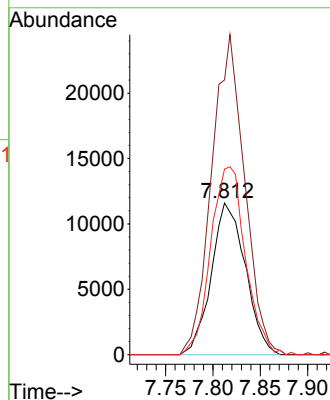
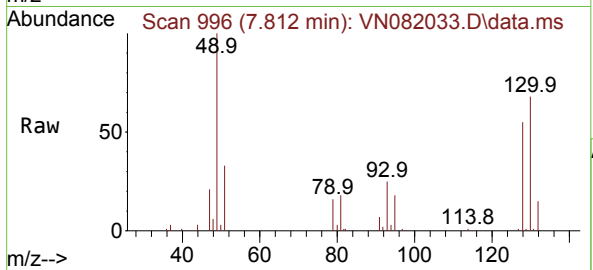




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN082033.D
Acq: 08 May 2024 17:37

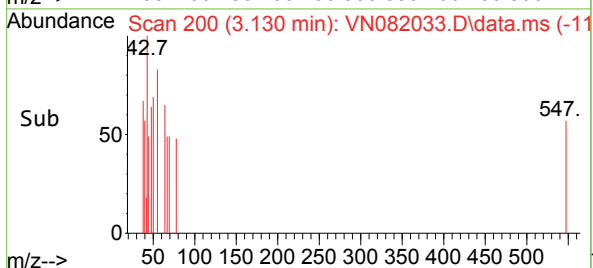
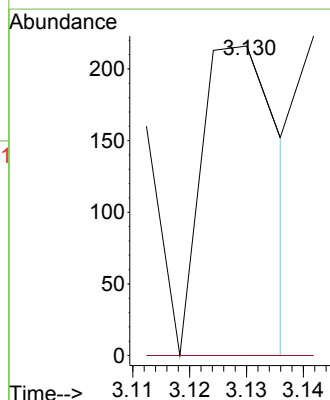
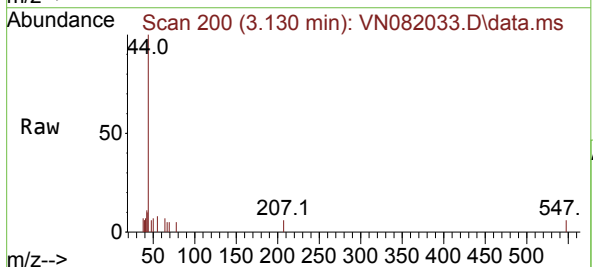
Instrument :
MSVOA_N
ClientSampleId :
240507002-04-TRIP-BLANK

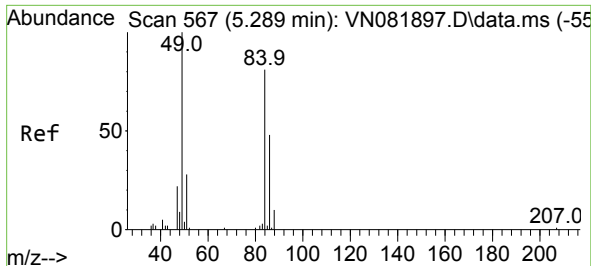
Tgt Ion:	128	Resp:	29066
Ion	Ratio	Lower	Upper
128	100		
49	203.7	0.0	403.7
130	126.1	0.0	323.3



#6
Chloroethane
Concen: 0.200 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN082033.D
Acq: 08 May 2024 17:37

Tgt Ion:	64	Resp:	205
Ion	Ratio	Lower	Upper
64	100		
66	0.0	26.7	40.1#





#18

Methylene Chloride

Concen: 0.709 ug/l

RT: 5.277 min Scan# 5

Delta R.T. -0.012 min

Lab File: VN082033.D

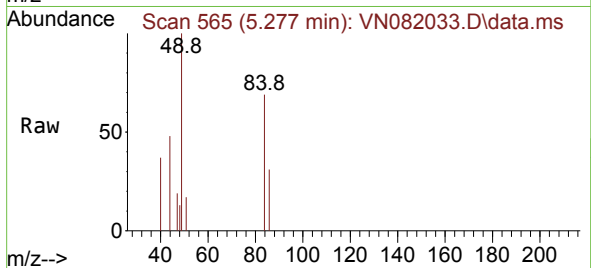
Acq: 08 May 2024 17:37

Instrument :

MSVOA_N

ClientSampleId :

240507002-04-TRIP-BLANK



Tgt Ion: 84 Resp: 1432

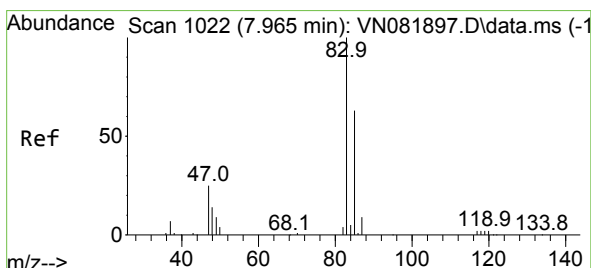
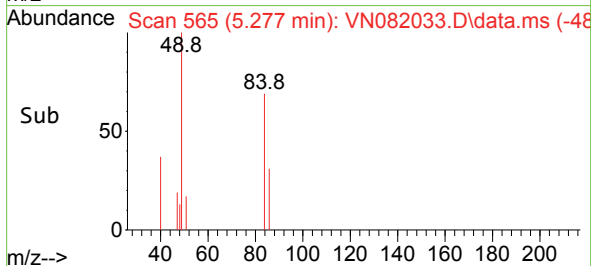
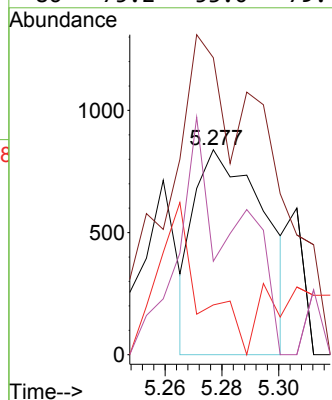
Ion Ratio Lower Upper

84 100

49 109.4 86.0 129.0

51 9.8 30.0 45.0#

86 75.2 53.0 79.4



#25

Chloroform

Concen: 5.030 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN082033.D

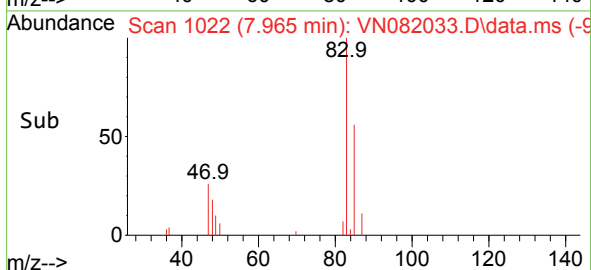
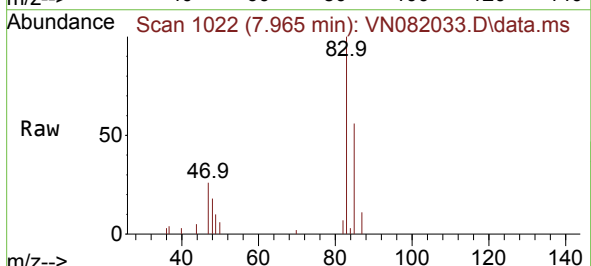
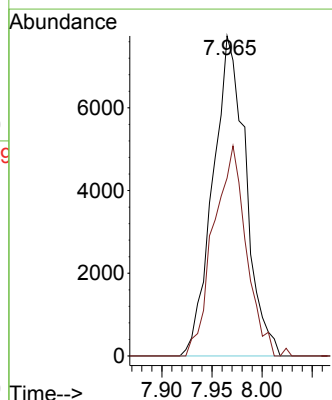
Acq: 08 May 2024 17:37

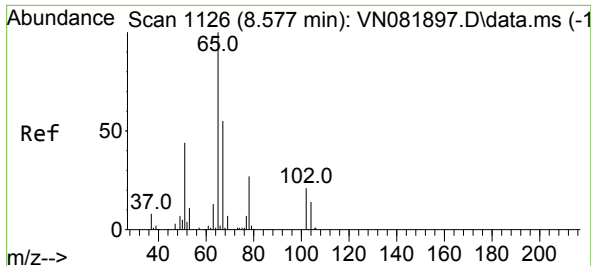
Tgt Ion: 83 Resp: 17658

Ion Ratio Lower Upper

83 100

85 55.6 50.9 76.3





#27

1,2-Dichloroethane-d4

Concen: 0.072 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.112 min

Lab File: VN082033.D

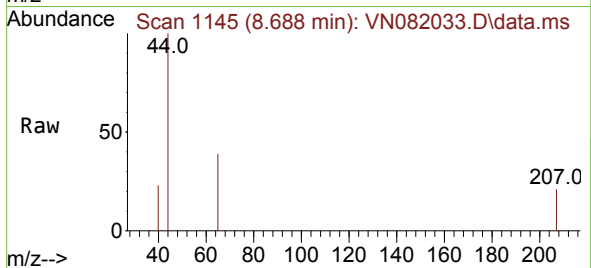
Acq: 08 May 2024 17:37

Instrument :

MSVOA_N

ClientSampleId :

240507002-04-TRIP-BLANK

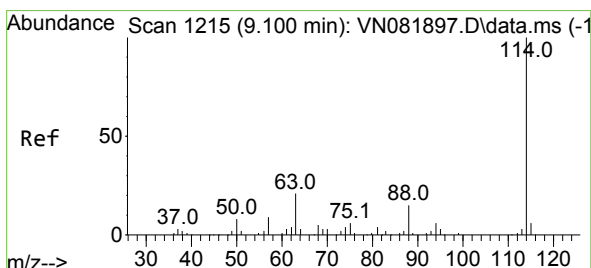
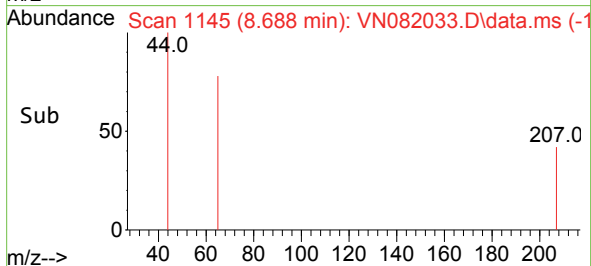
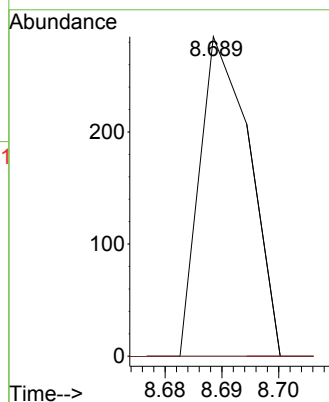


Tgt Ion: 65 Resp: 174

Ion Ratio Lower Upper

65 100

67 47.1 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: VN082033.D

Acq: 08 May 2024 17:37

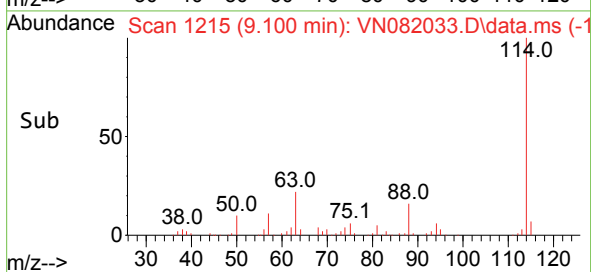
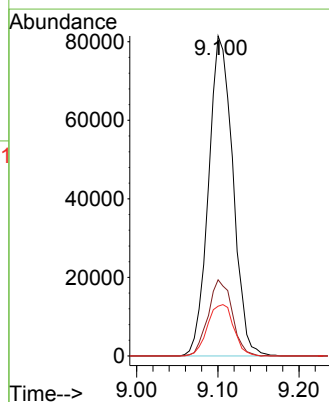
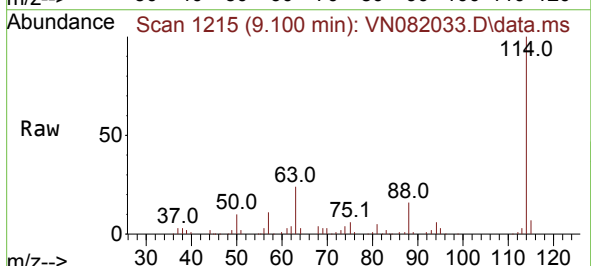
Tgt Ion: 114 Resp: 169940

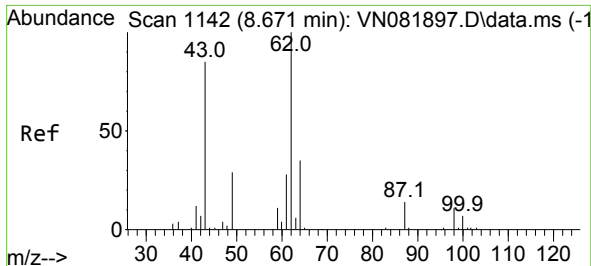
Ion Ratio Lower Upper

114 100

63 23.6 15.9 23.9

88 17.2 12.7 19.1





#36

1,2-Dichloroethane

Concen: 2.289 ug/l

RT: 9.094 min Scan# 1142

Delta R.T. 0.424 min

Lab File: VN082033.D

Acq: 08 May 2024 17:37

Instrument :

MSVOA_N

ClientSampleId :

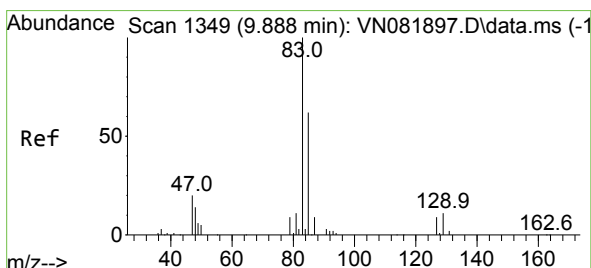
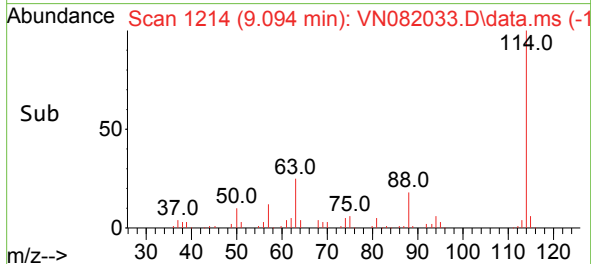
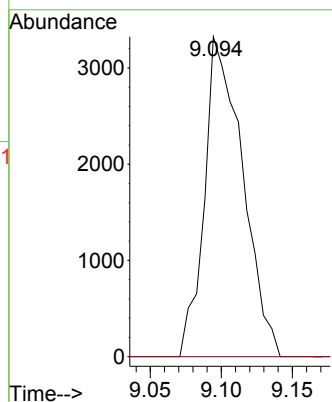
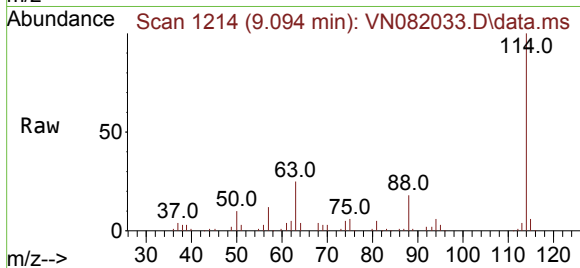
240507002-04-TRIP-BLANK

Tgt Ion: 62 Resp: 6201

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



#41

Bromodichloromethane

Concen: 0.261 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.000 min

Lab File: VN082033.D

Acq: 08 May 2024 17:37

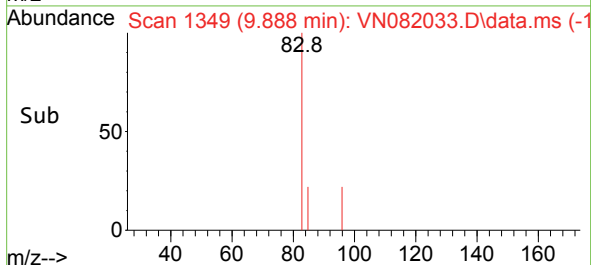
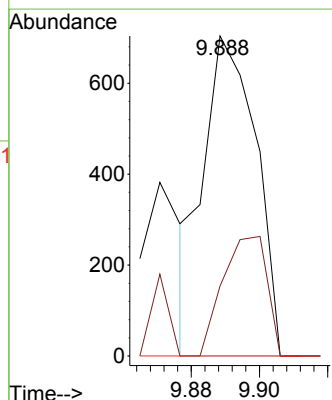
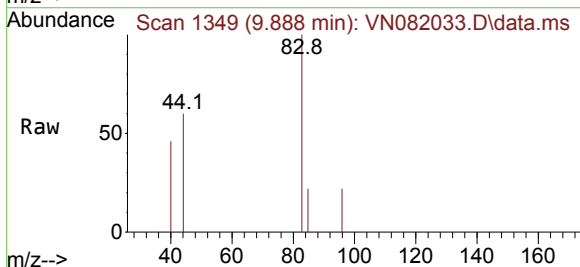
Tgt Ion: 83 Resp: 743

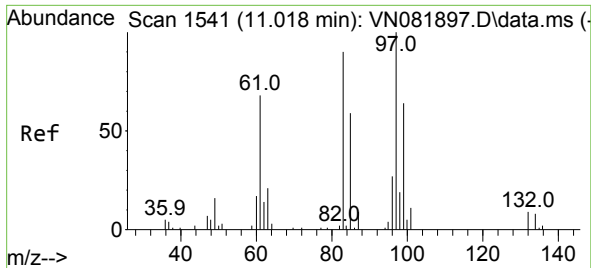
Ion Ratio Lower Upper

83 100

85 21.9 49.4 74.2#

127 0.0 7.3 10.9#

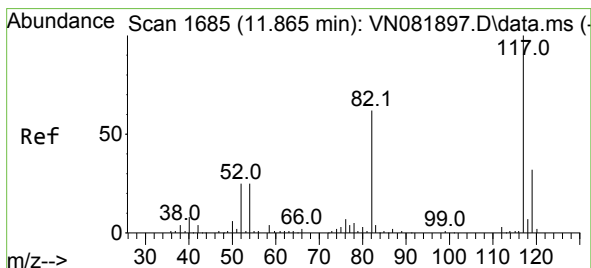
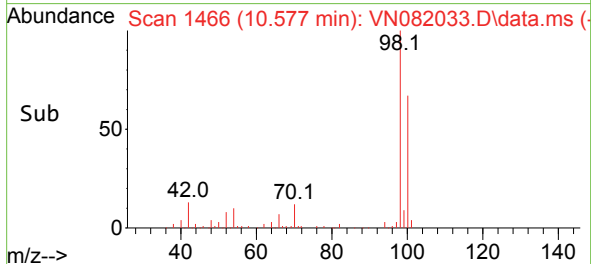
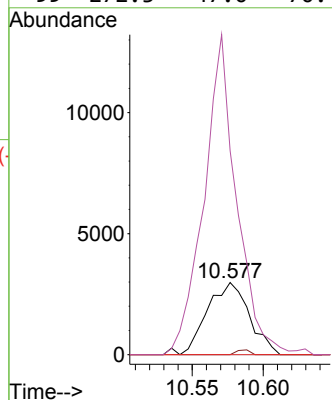
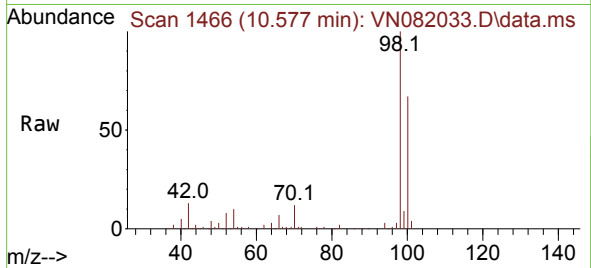




#50
1,1,2-Trichloroethane
Concen: 3.382 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. -0.441 min
Lab File: VN082033.D
Acq: 08 May 2024 17:37

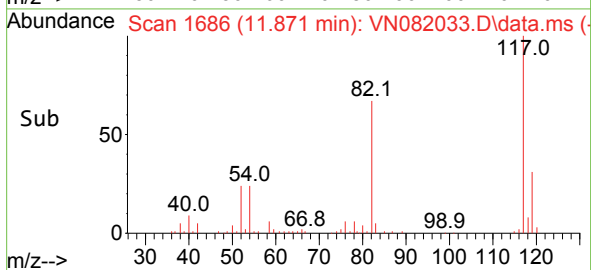
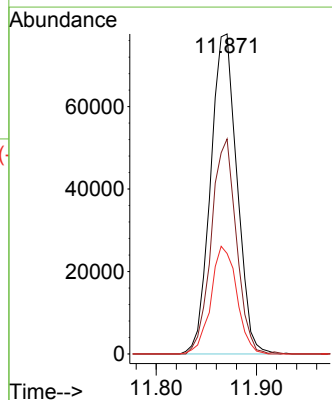
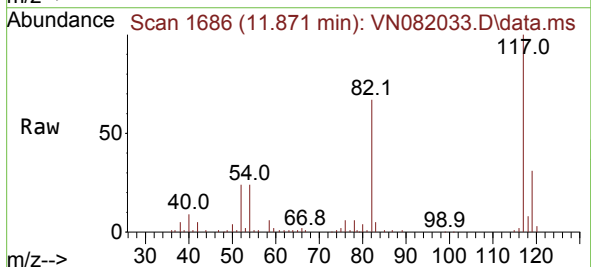
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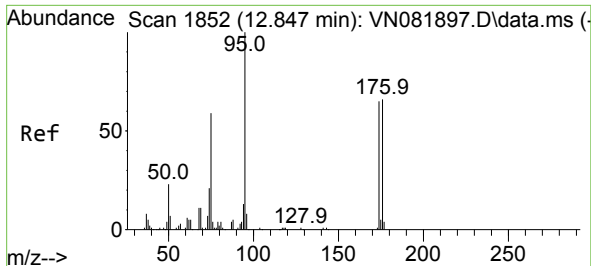
Tgt Ion:	97	Resp:	6105
Ion	Ratio	Lower	Upper
97	100		
83	0.0	68.1	102.1#
85	0.0	41.8	62.6#
99	272.3	47.0	70.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082033.D
Acq: 08 May 2024 17:37

Tgt Ion:	117	Resp:	141823
Ion	Ratio	Lower	Upper
117	100		
82	63.6	46.6	69.8
119	33.0	25.4	38.2

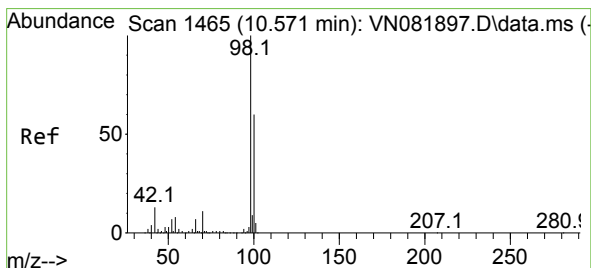
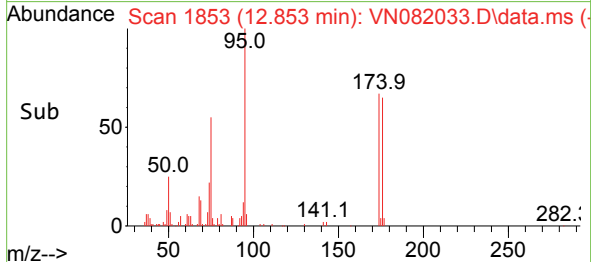
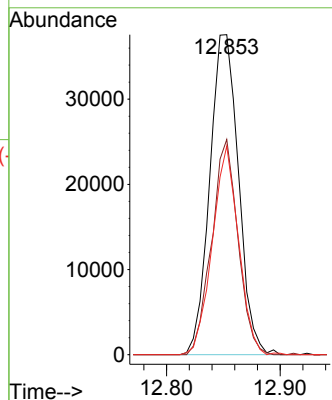
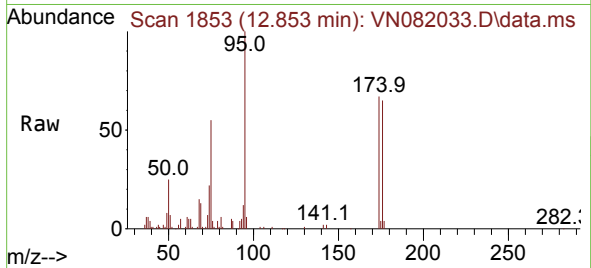




#60
4-Bromofluorobenzene
Concen: 28.023 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082033.D
Acq: 08 May 2024 17:37

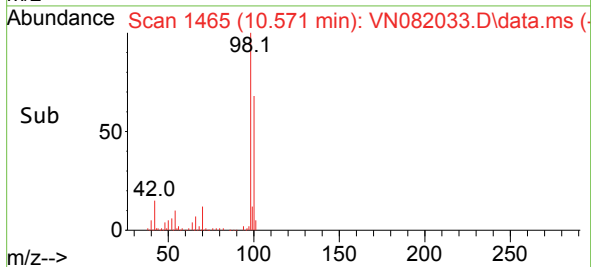
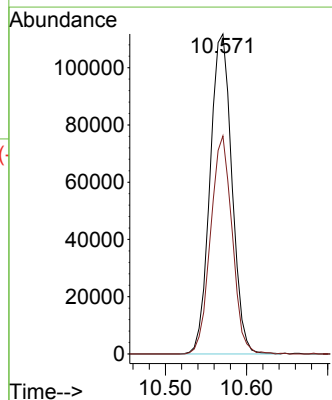
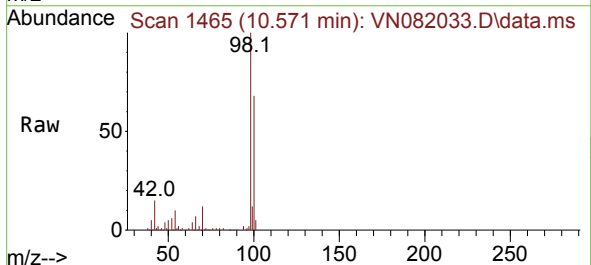
Instrument :
MSVOA_N
ClientSampleId :
240507002-04-TRIP-BLANK

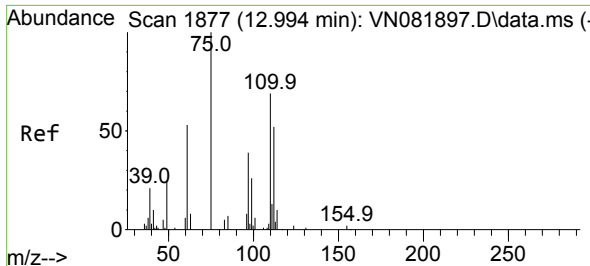
Tgt Ion: 95 Resp: 66141
Ion Ratio Lower Upper
95 100
174 61.7 60.5 90.7
176 59.4 57.8 86.6



#63
Toluene-d8
Concen: 31.046 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082033.D
Acq: 08 May 2024 17:37

Tgt Ion: 98 Resp: 209100
Ion Ratio Lower Upper
98 100
100 66.8 52.7 79.1

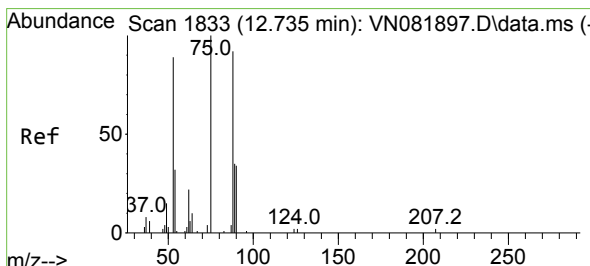
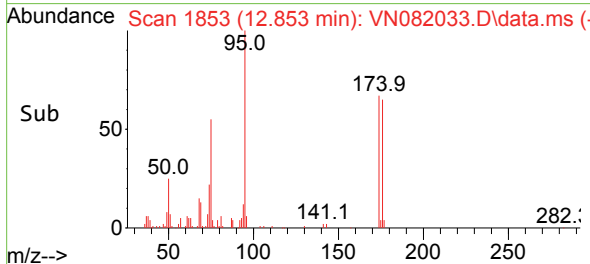
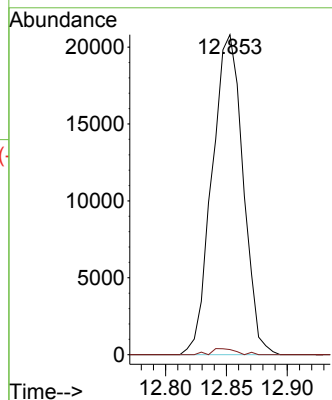
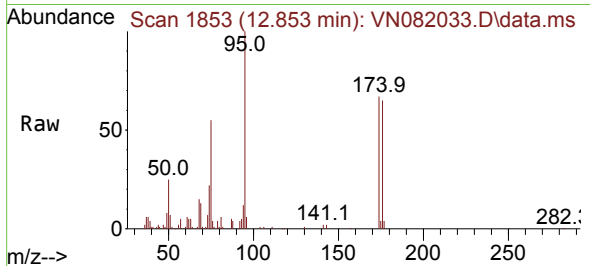




#72
1,2,3-Trichloropropane
Concen: 16.814 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082033.D
Acq: 08 May 2024 17:37

Instrument :
MSVOA_N
ClientSampleId :
240507002-04-TRIP-BLANK

Tgt Ion: 75 Resp: 36863
Ion Ratio Lower Upper
75 100
77 1.3 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 37.777 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN082033.D
Acq: 08 May 2024 17:37

Tgt Ion: 75 Resp: 36863
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

