

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
 Data File : VN082098.D
 Acq On : 13 May 2024 15:58
 Operator : JC\MD
 Sample : P2459-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240430037-01-TRIP-BLANK

Quant Time: May 14 03:33:44 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)

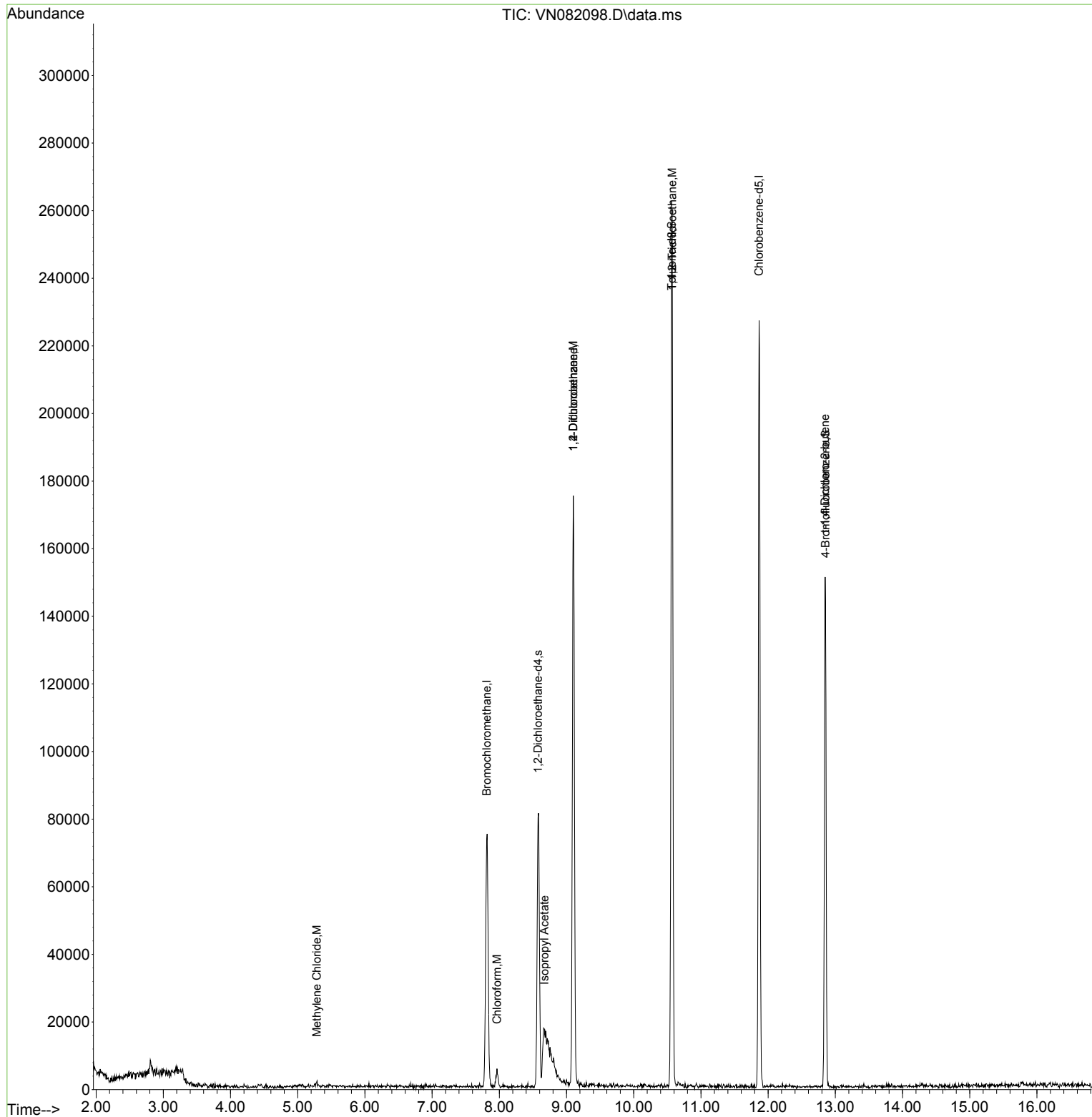
Internal Standards						
1) Bromochloromethane	7.812	128	22889	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	143189	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	116790	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	65362	34.107	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 113.700%#			
60) 4-Bromofluorobenzene	12.853	95	51082	26.282	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 87.600%			
63) Toluene-d8	10.565	98	174490	31.460	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 104.867%			
Target Compounds						
					Qvalue	
18) Methylene Chloride	5.283	84	383	0.241	ug/l #	85
25) Chloroform	7.965	83	4458	1.613	ug/l	85
36) 1,2-Dichloroethane	9.100	62	6286	2.753	ug/l #	72
44) Isopropyl Acetate	8.671	43	16771	3.943	ug/l #	43
50) 1,1,2-Trichloroethane	10.571	97	6468	4.253	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.847	75	31550	39.262	ug/l #	12

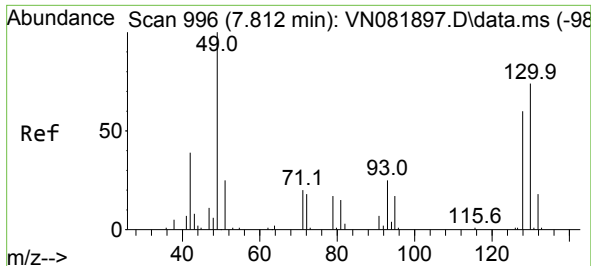
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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240430037-01-TRIP-BLANK

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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: VN082098.D

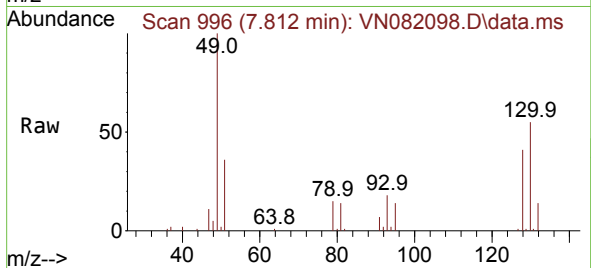
Acq: 13 May 2024 15:58

Instrument :

MSVOA_N

ClientSampleId :

240430037-01-TRIP-BLANK



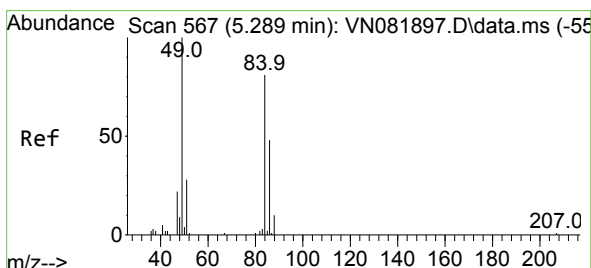
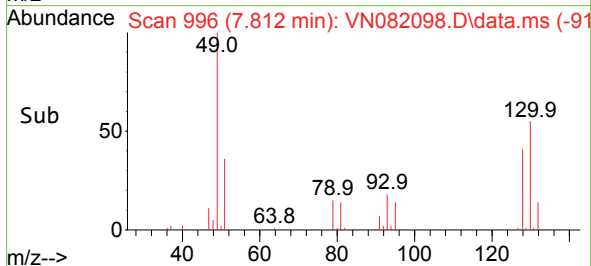
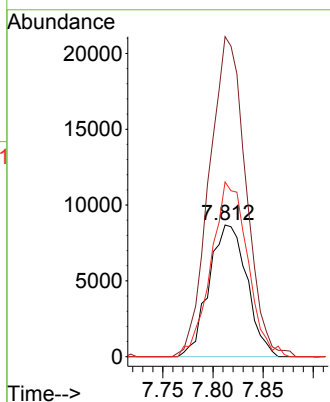
Tgt Ion:128 Resp: 22889

Ion Ratio Lower Upper

128 100

49 233.7 0.0 403.7

130 127.6 0.0 323.3



#18

Methylene Chloride

Concen: 0.241 ug/l

RT: 5.283 min Scan# 566

Delta R.T. -0.006 min

Lab File: VN082098.D

Acq: 13 May 2024 15:58

Tgt Ion: 84 Resp: 383

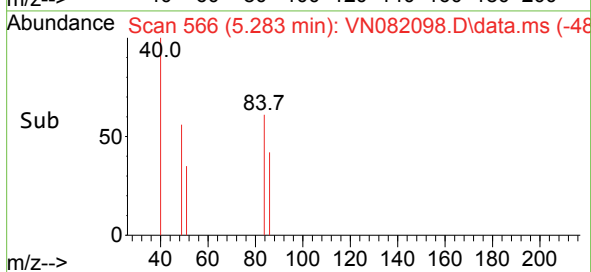
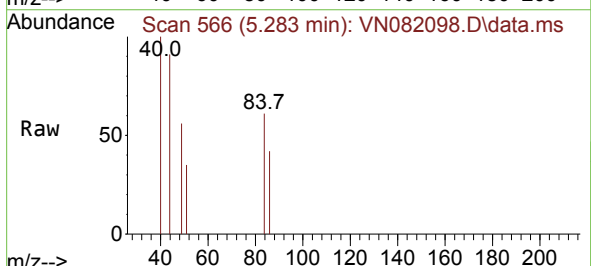
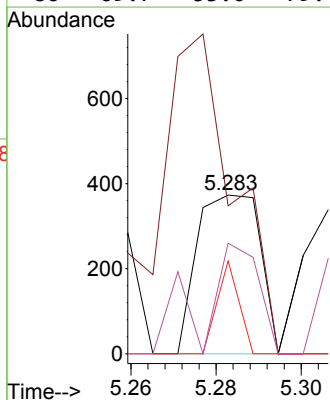
Ion Ratio Lower Upper

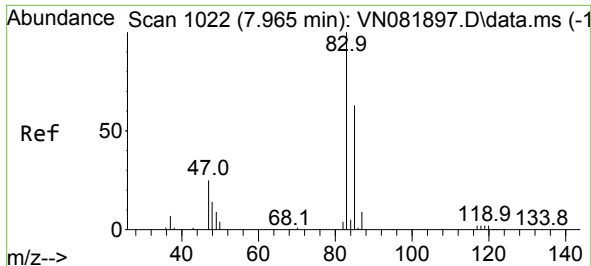
84 100

49 93.3 86.0 129.0

51 58.4 30.0 45.0#

86 69.7 53.0 79.4





#25

Chloroform

Concen: 1.613 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN082098.D

Acq: 13 May 2024 15:58

Instrument :

MSVOA_N

ClientSampleId :

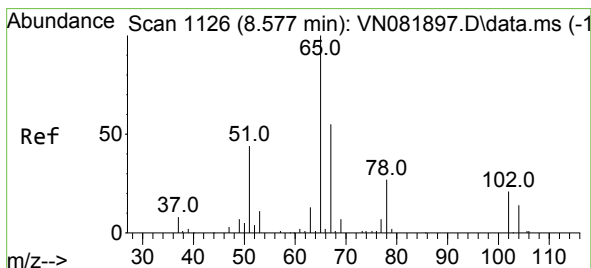
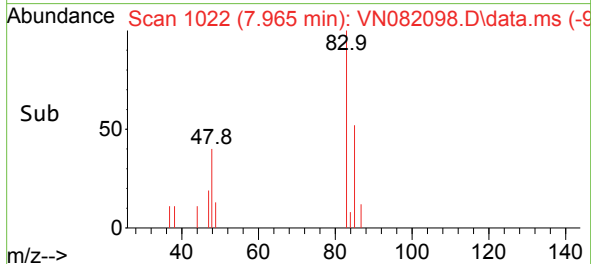
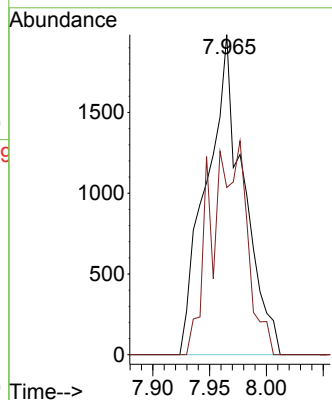
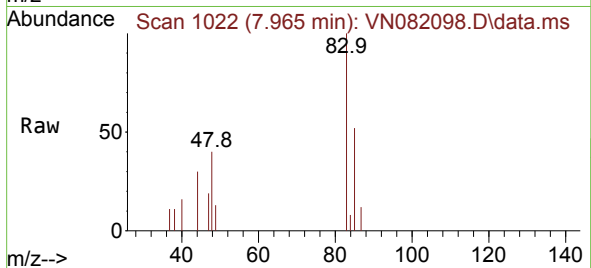
240430037-01-TRIP-BLANK

Tgt Ion: 83 Resp: 4458

Ion Ratio Lower Upper

83 100

85 52.2 50.9 76.3



#27

1,2-Dichloroethane-d4

Concen: 34.107 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN082098.D

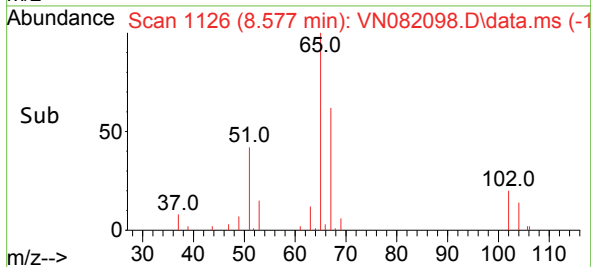
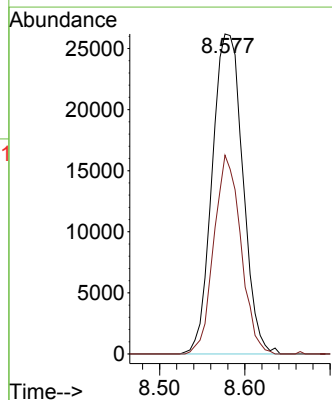
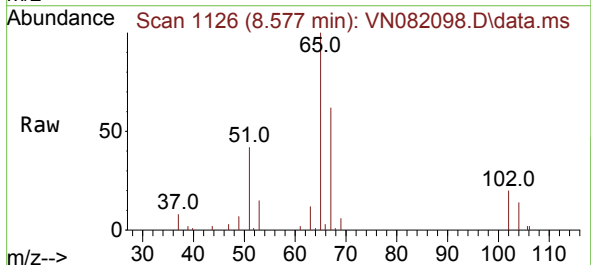
Acq: 13 May 2024 15:58

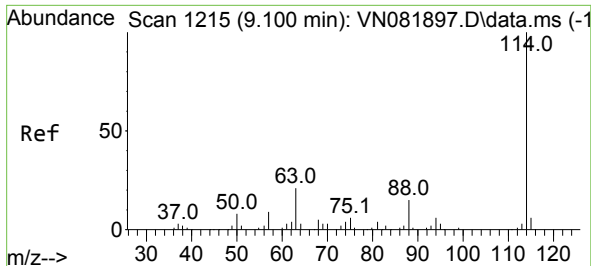
Tgt Ion: 65 Resp: 65362

Ion Ratio Lower Upper

65 100

67 54.8 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 114

Delta R.T. -0.000 min

Lab File: VN082098.D

Acq: 13 May 2024 15:58

Instrument :

MSVOA_N

ClientSampleId :

240430037-01-TRIP-BLANK

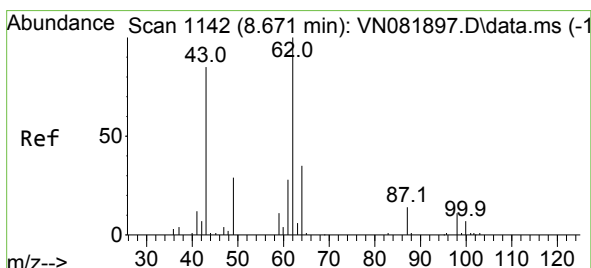
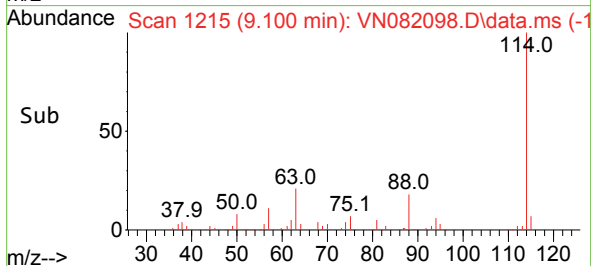
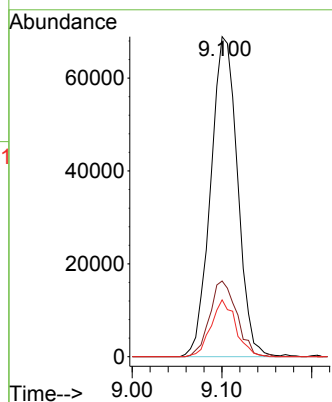
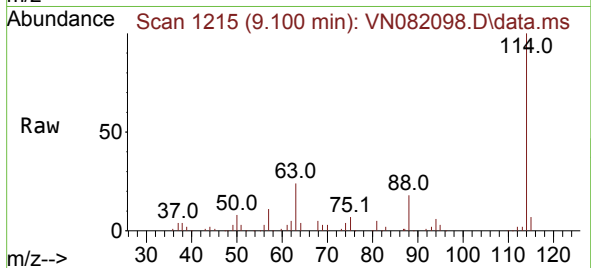
Tgt Ion:114 Resp: 143189

Ion Ratio Lower Upper

114 100

63 23.8 15.9 23.9

88 16.5 12.7 19.1



#36

1,2-Dichloroethane

Concen: 2.753 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.429 min

Lab File: VN082098.D

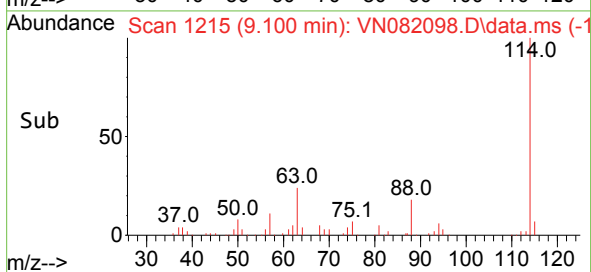
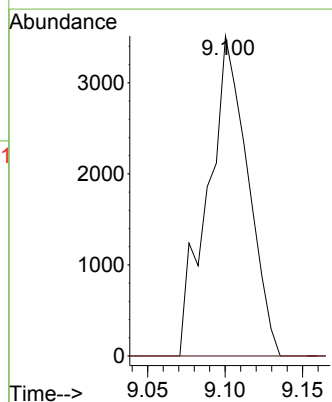
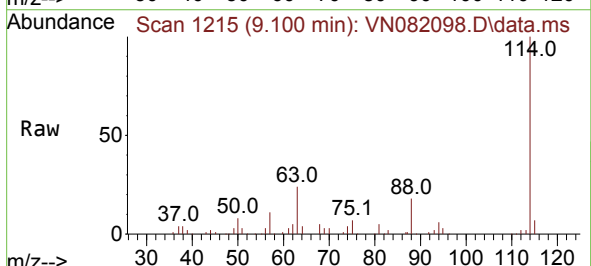
Acq: 13 May 2024 15:58

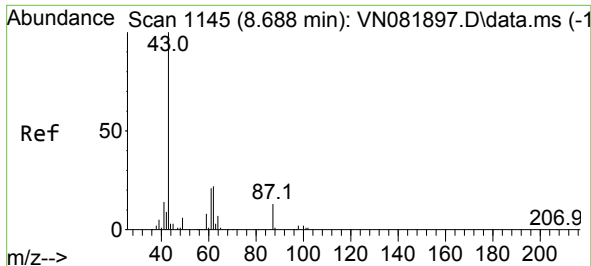
Tgt Ion: 62 Resp: 6286

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#

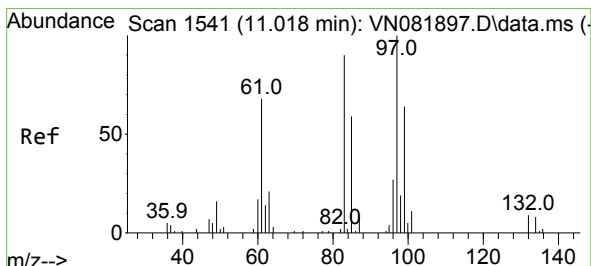
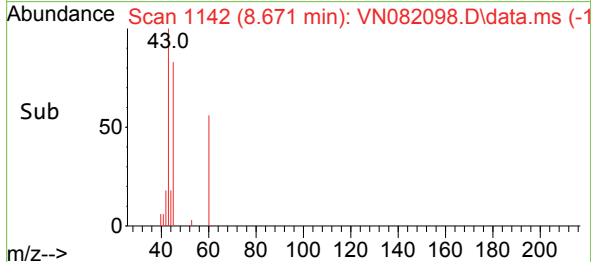
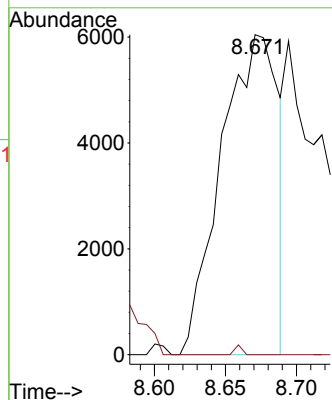
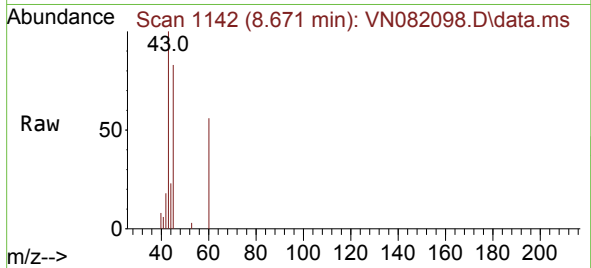




#44
Isopropyl Acetate
Concen: 3.943 ug/l
RT: 8.671 min Scan# 1145
Delta R.T. -0.018 min
Lab File: VN082098.D
Acq: 13 May 2024 15:58

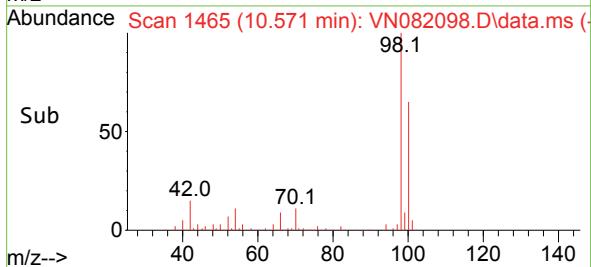
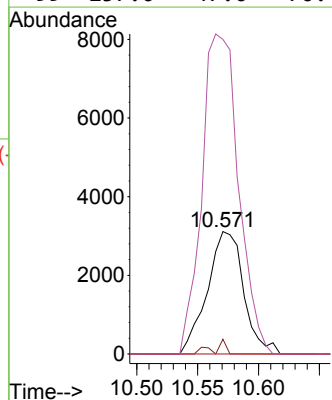
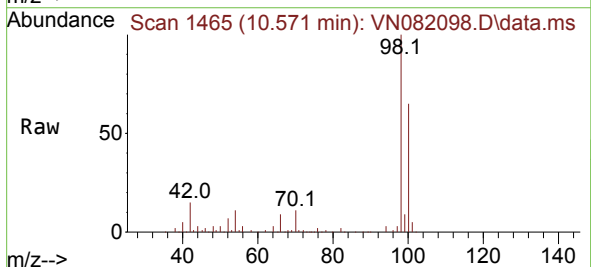
Instrument :
MSVOA_N
ClientSampleId :
240430037-01-TRIP-BLANK

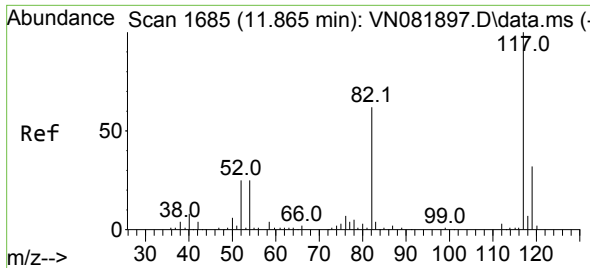
Tgt Ion: 43 Resp: 16771
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.4#



#50
1,1,2-Trichloroethane
Concen: 4.253 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN082098.D
Acq: 13 May 2024 15:58

Tgt Ion: 97 Resp: 6468
Ion Ratio Lower Upper
97 100
83 12.1 68.1 102.1#
85 0.0 41.8 62.6#
99 257.0 47.0 70.4#

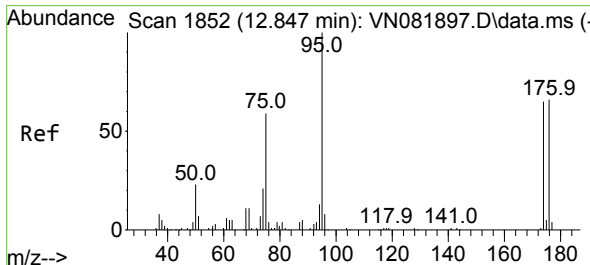
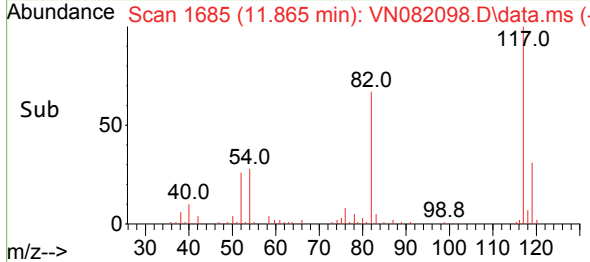
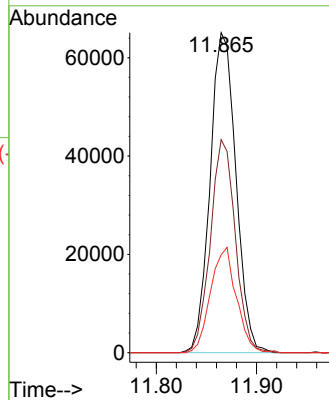
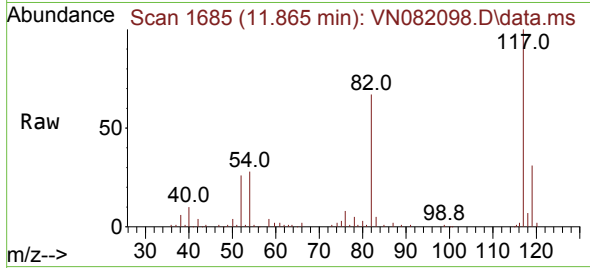




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082098.D
Acq: 13 May 2024 15:58

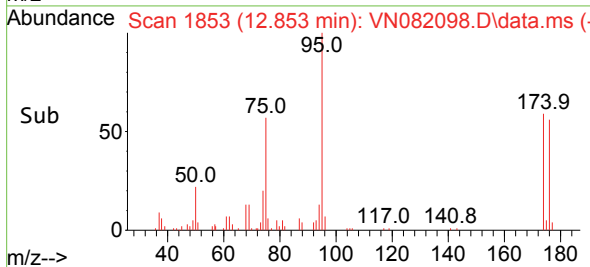
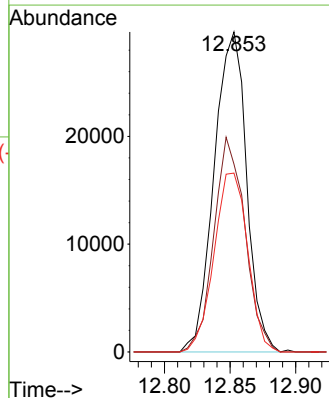
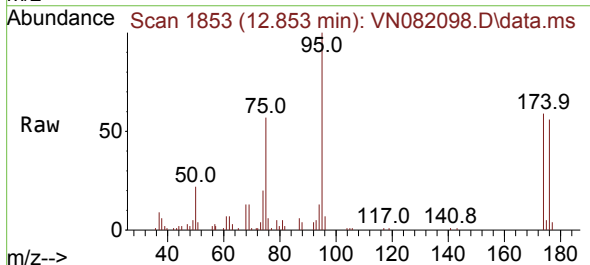
Instrument :
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ClientSampleId :
240430037-01-TRIP-BLANK

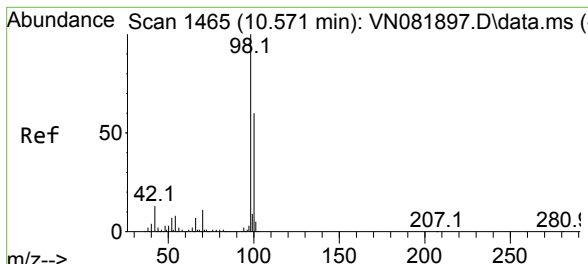
Tgt Ion:117 Resp: 116790
Ion Ratio Lower Upper
117 100
82 64.2 46.6 69.8
119 32.8 25.4 38.2



#60
4-Bromofluorobenzene
Concen: 26.282 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082098.D
Acq: 13 May 2024 15:58

Tgt Ion: 95 Resp: 51082
Ion Ratio Lower Upper
95 100
174 64.5 60.5 90.7
176 58.1 57.8 86.6

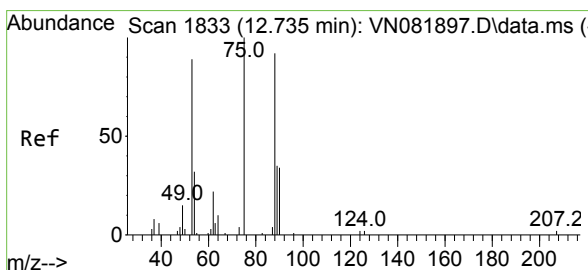
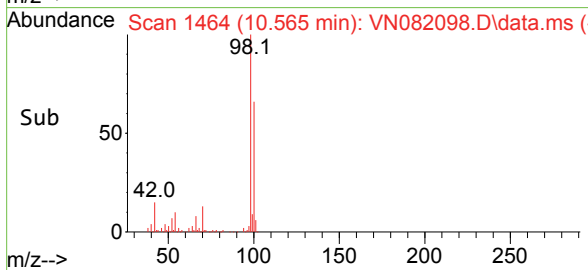
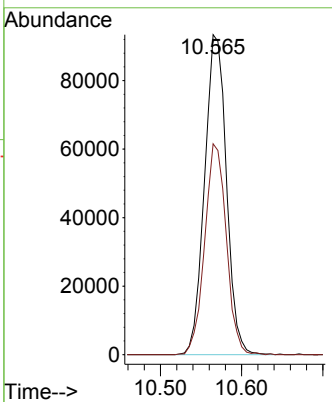
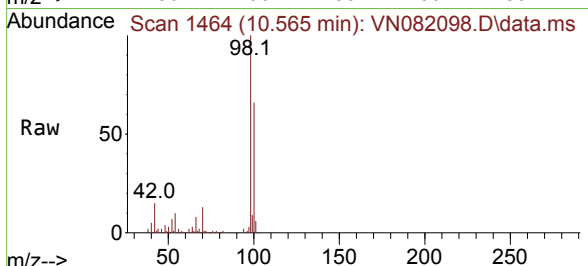




#63
Toluene-d8
Concen: 31.460 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN082098.D
Acq: 13 May 2024 15:58

Instrument : MSVOA_N
ClientSampleId : 240430037-01-TRIP-BLANK

Tgt Ion: 98 Resp: 174490
Ion Ratio Lower Upper
98 100
100 64.7 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 39.262 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN082098.D
Acq: 13 May 2024 15:58

Tgt Ion: 75 Resp: 31550
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

