

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022324\
 Data File : VN081157.D
 Acq On : 23 Feb 2024 12:39
 Operator : JC\MD
 Sample : P1562-02 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OUTFALL-DSN-002

Quant Time: Feb 24 00:13:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020924W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 10 01:55:02 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

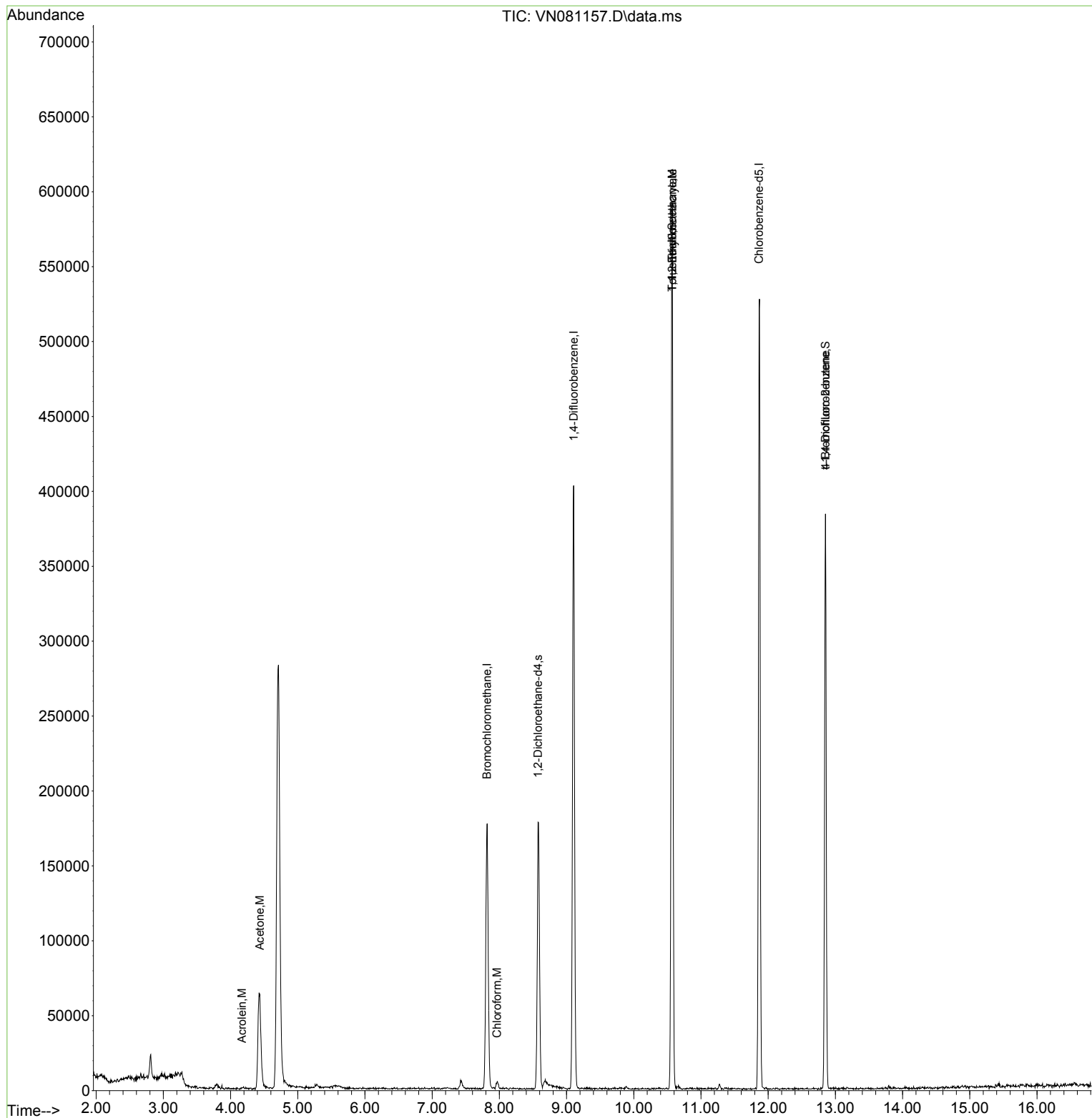
Internal Standards						
1) Bromochloromethane	7.818	128	60564	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	345972	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	301411	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	142973	31.417	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.733%
60) 4-Bromofluorobenzene	12.853	95	133650	29.004	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.667%
63) Toluene-d8	10.571	98	411014	30.386	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.300%
Target Compounds						
					Qvalue	
13) Acrolein	4.171	56	496	0.726	ug/l #	66
15) Acetone	4.436	58	36870	103.055	ug/l	93
25) Chloroform	7.965	83	3291	0.444	ug/l	88
50) 1,1,2-Trichloroethane	10.571	97	12998	3.305	ug/l #	1
51) Ethyl methacrylate	10.577	69	1145	0.208	ug/l #	66
77) t-1,4-Dichloro-2-butene	12.853	75	72185	48.534	ug/l #	12

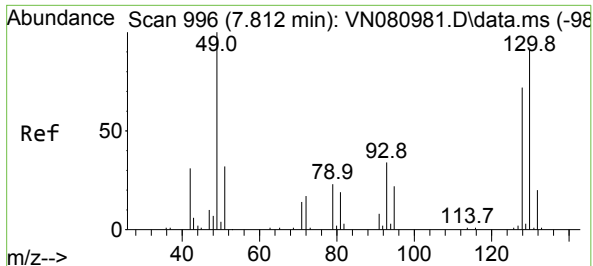
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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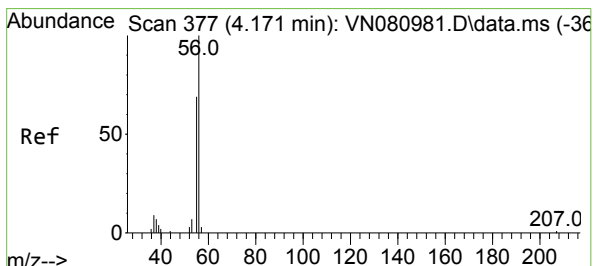
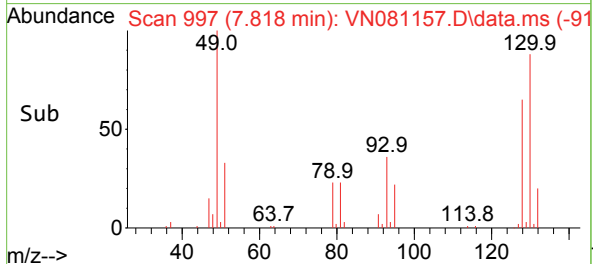
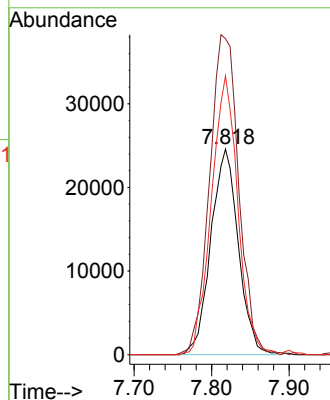
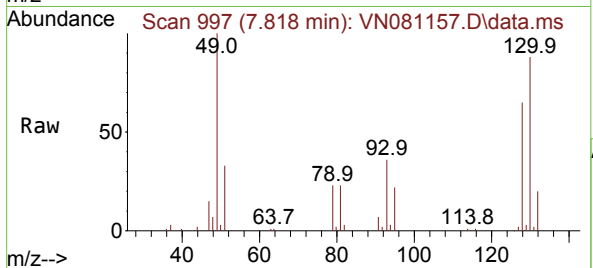




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN081157.D
Acq: 23 Feb 2024 12:39

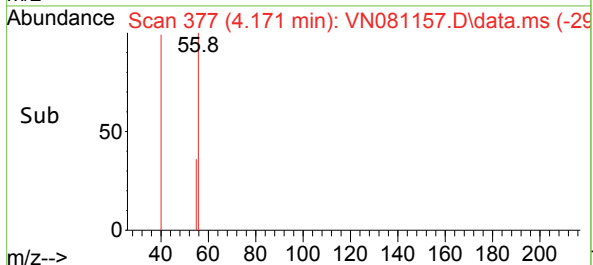
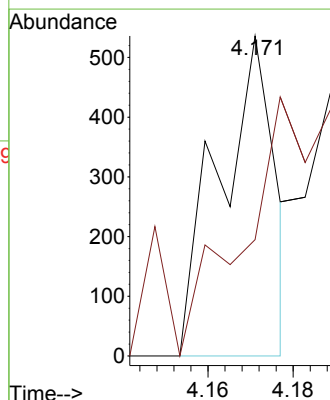
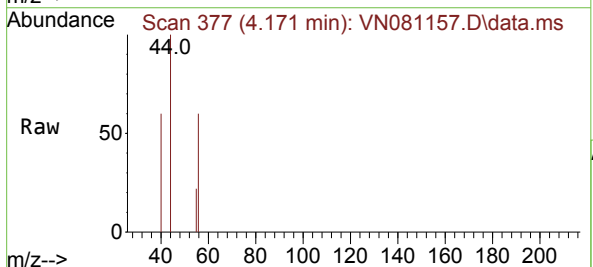
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002

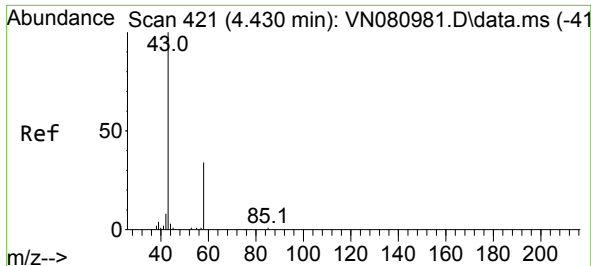
Tgt Ion:128 Resp: 60564
Ion Ratio Lower Upper
128 100
49 165.0 0.0 403.7
130 130.9 0.0 323.3



#13
Acrolein
Concen: 0.726 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.000 min
Lab File: VN081157.D
Acq: 23 Feb 2024 12:39

Tgt Ion: 56 Resp: 496
Ion Ratio Lower Upper
56 100
55 97.2 55.5 83.3#





#15

Acetone

Concen: 103.055 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN081157.D

Acq: 23 Feb 2024 12:39

Instrument :

MSVOA_N

ClientSampleId :

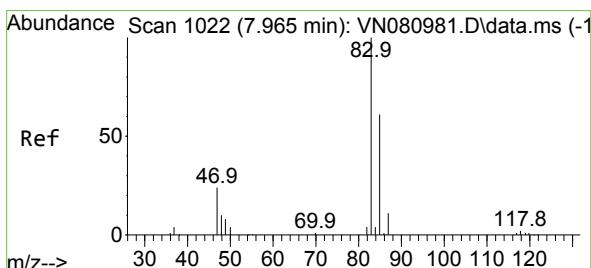
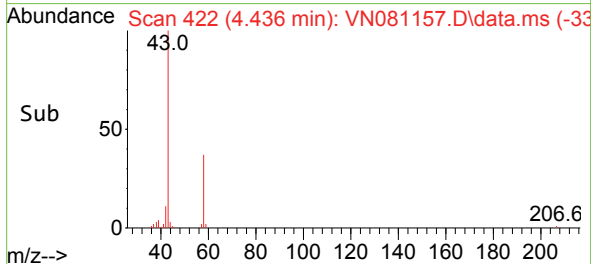
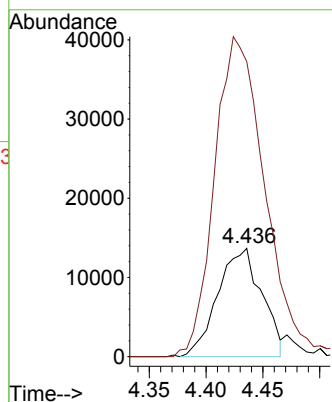
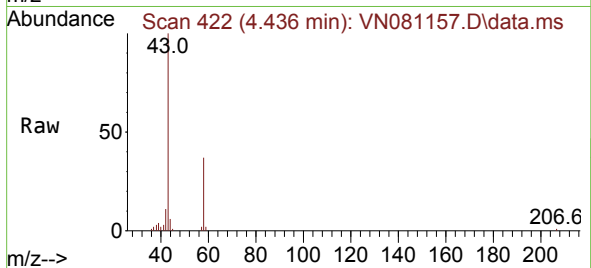
OUTFALL-DSN-002

Tgt Ion: 58 Resp: 36870

Ion Ratio Lower Upper

58 100

43 266.0 223.1 334.7



#25

Chloroform

Concen: 0.444 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN081157.D

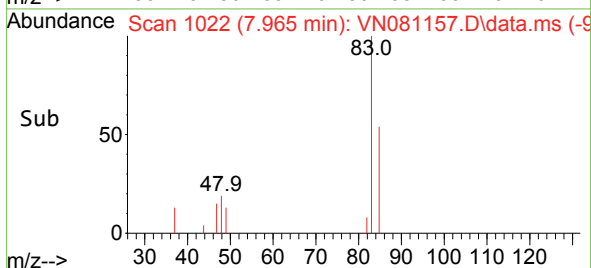
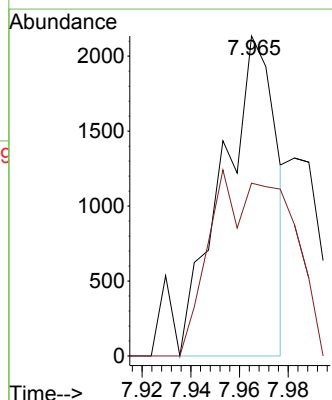
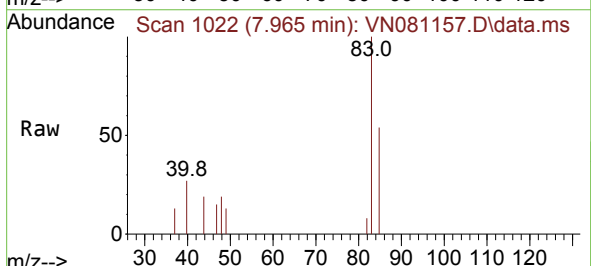
Acq: 23 Feb 2024 12:39

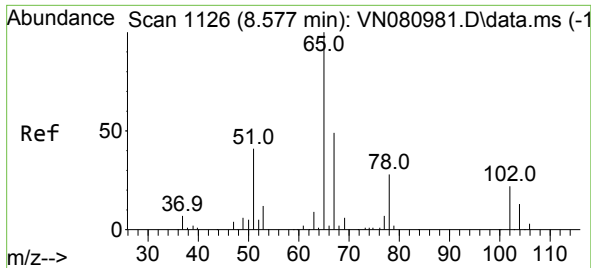
Tgt Ion: 83 Resp: 3291

Ion Ratio Lower Upper

83 100

85 54.0 50.9 76.3

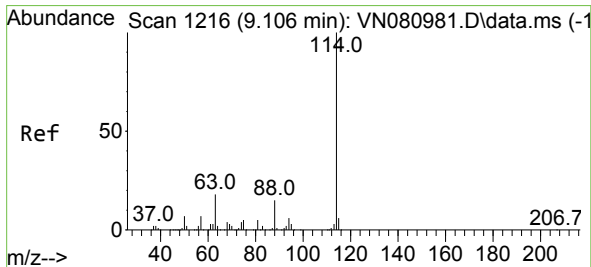
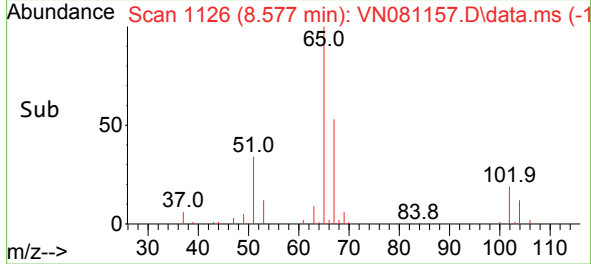
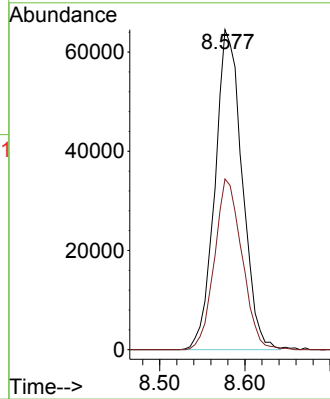
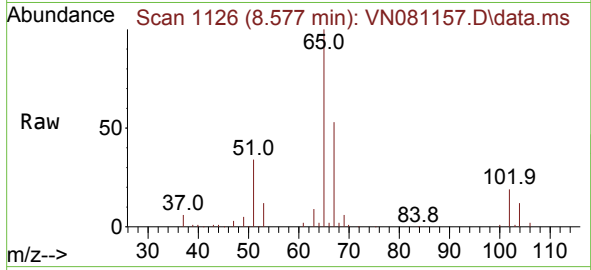




#27
1,2-Dichloroethane-d4
Concen: 31.417 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN081157.D
Acq: 23 Feb 2024 12:39

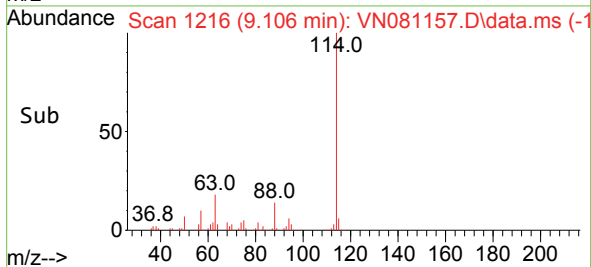
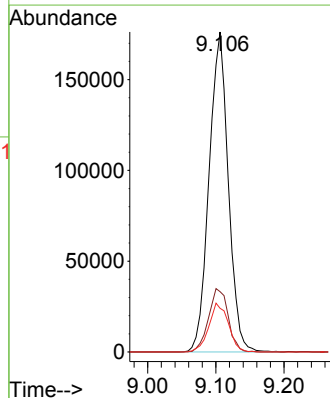
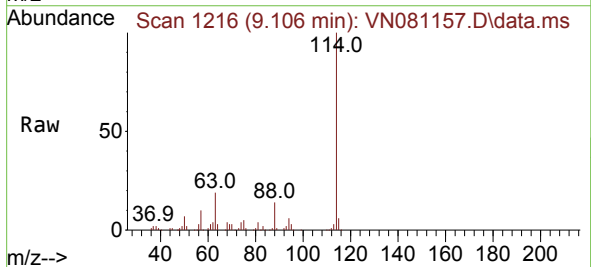
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002

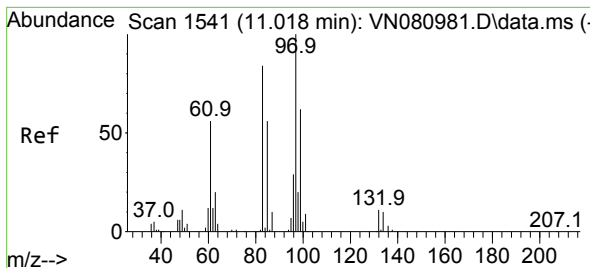
Tgt Ion: 65 Resp: 142973
Ion Ratio Lower Upper
65 100
67 53.9 43.2 64.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN081157.D
Acq: 23 Feb 2024 12:39

Tgt Ion: 114 Resp: 345972
Ion Ratio Lower Upper
114 100
63 20.2 15.9 23.9
88 15.5 12.7 19.1





#50

1,1,2-Trichloroethane

Concen: 3.305 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.447 min

Lab File: VN081157.D

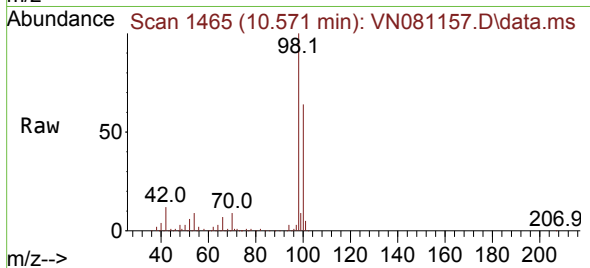
Acq: 23 Feb 2024 12:39

Instrument :

MSVOA_N

ClientSampleId :

OUTFALL-DSN-002



Tgt Ion: 97 Resp: 12998

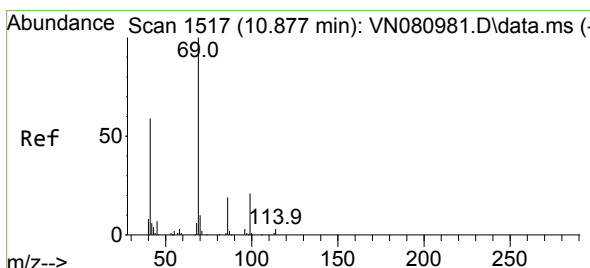
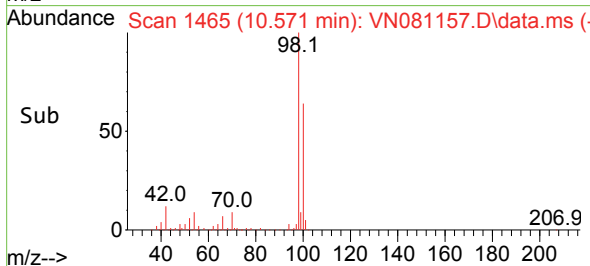
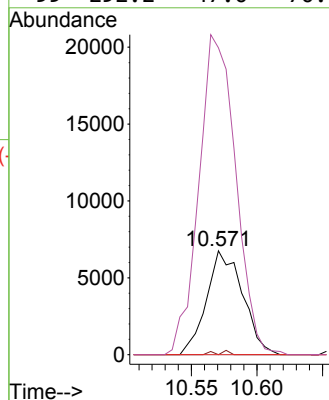
Ion Ratio Lower Upper

97 100

83 0.0 68.1 102.1#

85 0.0 41.8 62.6#

99 292.2 47.0 70.4#



#51

Ethyl methacrylate

Concen: 0.208 ug/l

RT: 10.577 min Scan# 1466

Delta R.T. -0.300 min

Lab File: VN081157.D

Acq: 23 Feb 2024 12:39

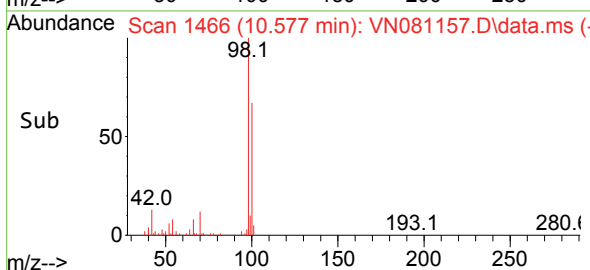
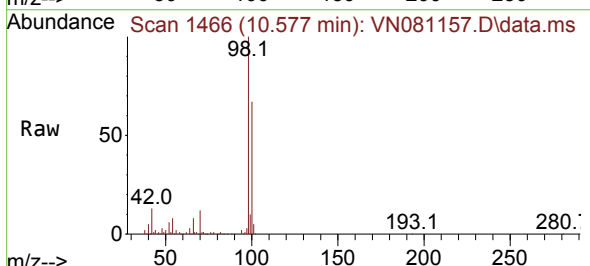
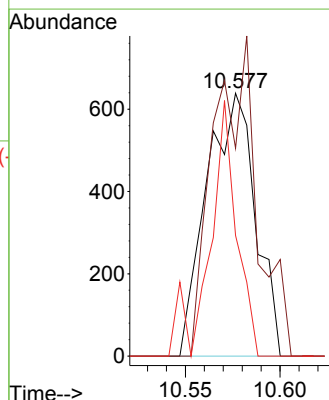
Tgt Ion: 69 Resp: 1145

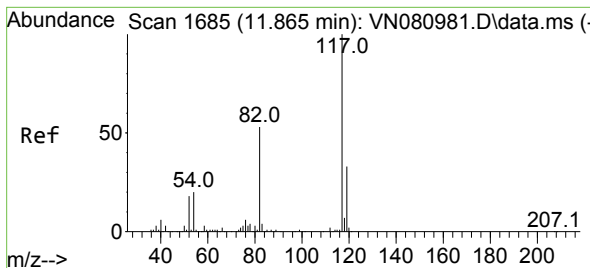
Ion Ratio Lower Upper

69 100

41 79.0 25.5 76.5#

39 45.9 16.0 47.9

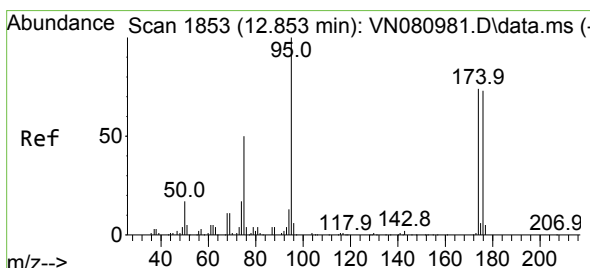
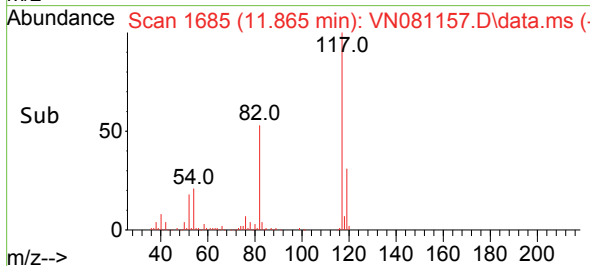
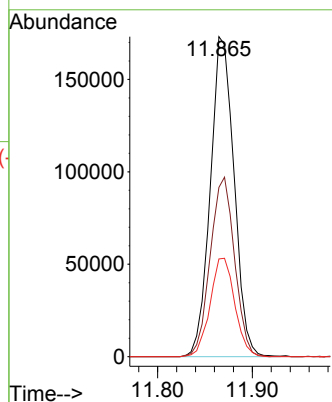
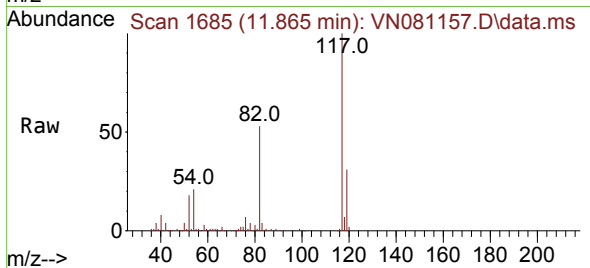




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN081157.D
Acq: 23 Feb 2024 12:39

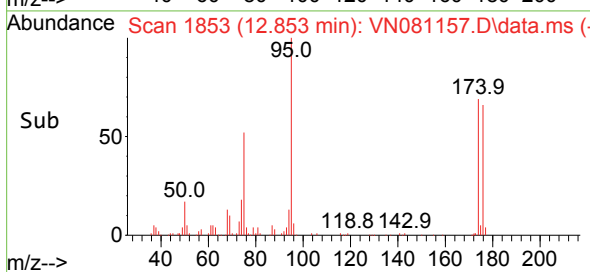
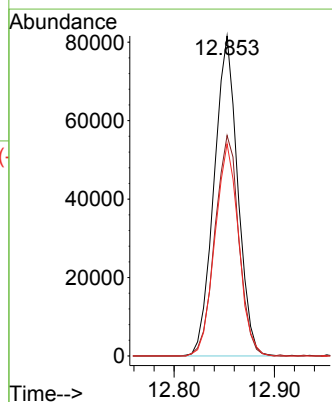
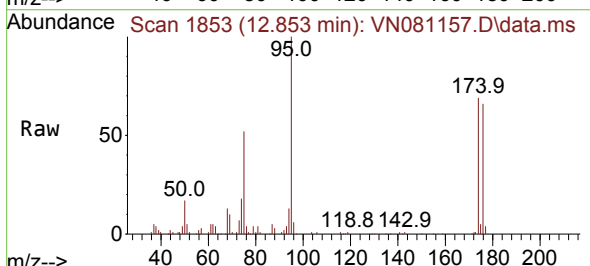
Instrument :
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ClientSampleId :
OUTFALL-DSN-002

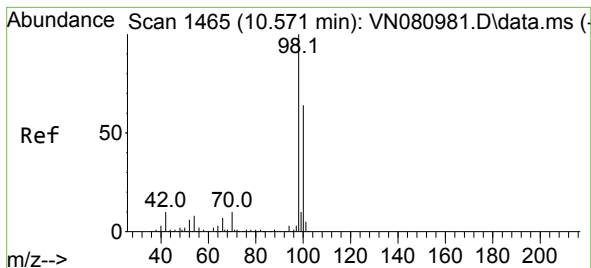
Tgt Ion:117 Resp: 301411
Ion Ratio Lower Upper
117 100
82 57.5 46.6 69.8
119 32.0 25.4 38.2



#60
4-Bromofluorobenzene
Concen: 29.004 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN081157.D
Acq: 23 Feb 2024 12:39

Tgt Ion: 95 Resp: 133650
Ion Ratio Lower Upper
95 100
174 69.7 60.5 90.7
176 66.5 57.8 86.6





#63

Toluene-d8

Concen: 30.386 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN081157.D

Acq: 23 Feb 2024 12:39

Instrument :

MSVOA_N

ClientSampleId :

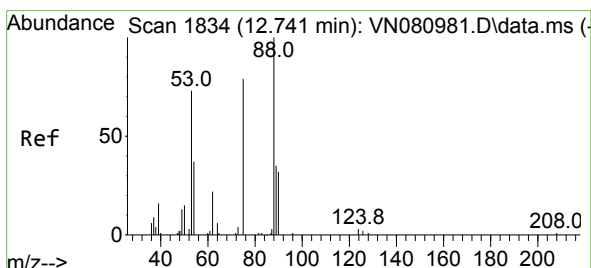
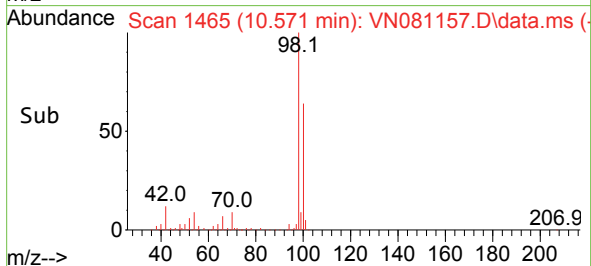
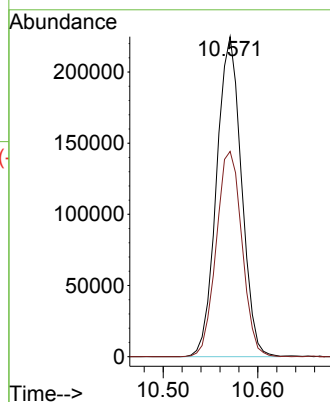
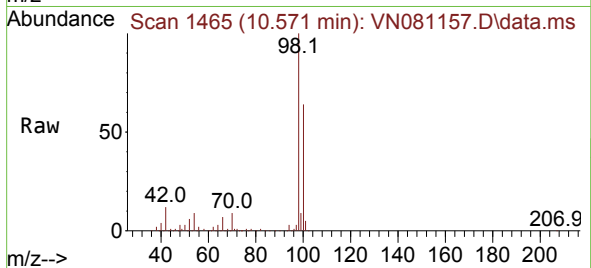
OUTFALL-DSN-002

Tgt Ion: 98 Resp: 411014

Ion Ratio Lower Upper

98 100

100 66.2 52.7 79.1



#77

t-1,4-Dichloro-2-butene

Concen: 48.534 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN081157.D

Acq: 23 Feb 2024 12:39

Tgt Ion: 75 Resp: 72185

Ion Ratio Lower Upper

75 100

53 0.0 45.9 137.7#

89 0.0 25.9 77.7#

