

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022324\
 Data File : VN081158.D
 Acq On : 23 Feb 2024 13:03
 Operator : JC\MD
 Sample : P1562-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OUTFALL-DSN-001

Quant Time: Feb 24 00:13:30 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)

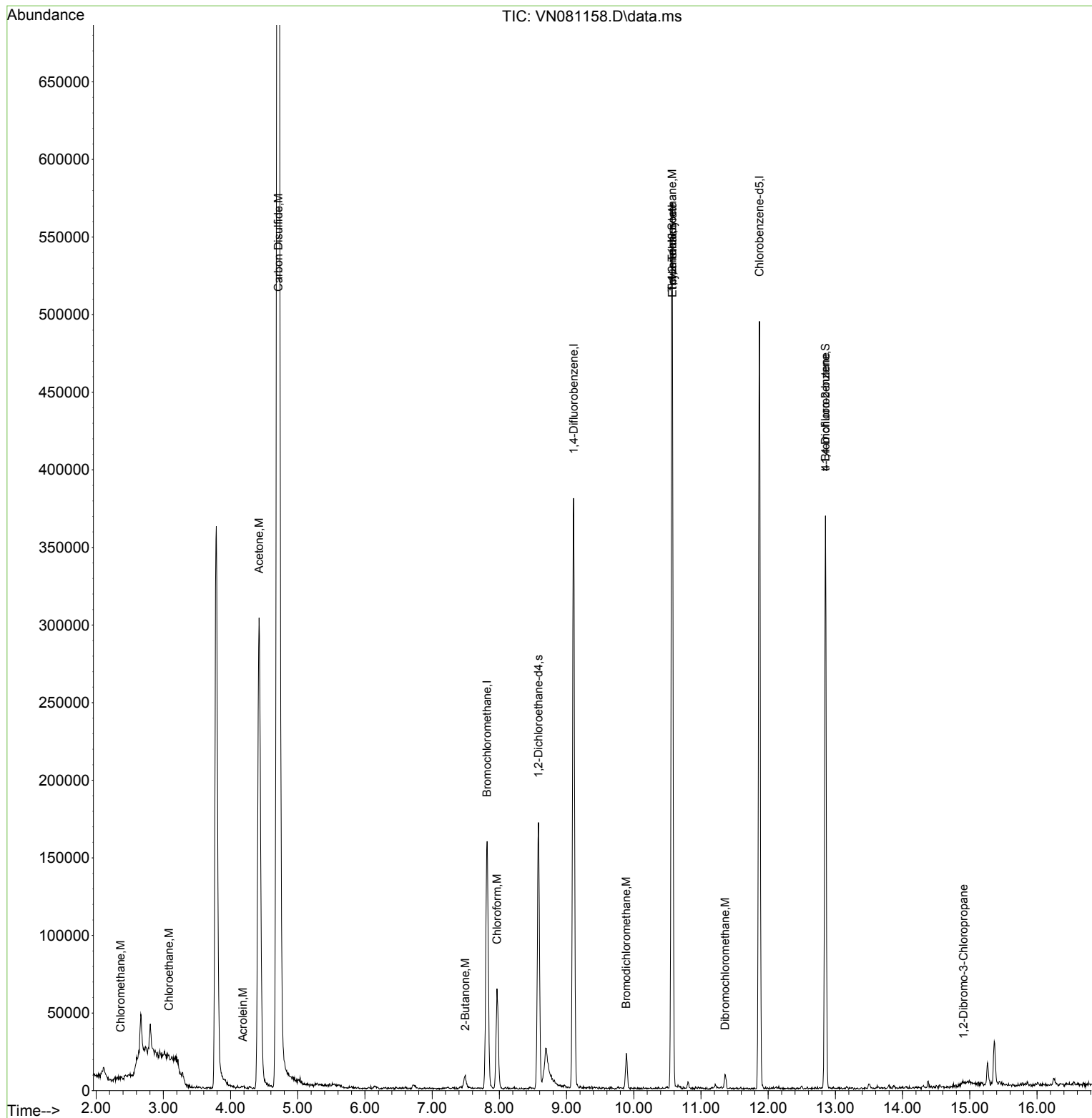
Internal Standards						
1) Bromochloromethane	7.818	128	57380	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	329025	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	285019	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	134518	31.199	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.000%
60) 4-Bromofluorobenzene	12.853	95	123615	28.370	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.567%
63) Toluene-d8	10.571	98	388630	30.384	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.267%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1264	0.322	ug/l #	73
6) Chloroethane	3.083	64	1176	0.386	ug/l #	65
13) Acrolein	4.183	56	574	0.887	ug/l #	24
15) Acetone	4.424	58	181461	535.346	ug/l	85
16) Carbon Disulfide	4.712	76	4533	0.504	ug/l #	94
25) Chloroform	7.965	83	56845	8.089	ug/l	97
30) 2-Butanone	7.494	43	11513	6.403	ug/l #	78
41) Bromodichloromethane	9.888	83	14366	2.716	ug/l	97
50) 1,1,2-Trichloroethane	10.571	97	13062	3.493	ug/l #	1
51) Ethyl methacrylate	10.576	69	1148	0.220	ug/l #	63
53) Dibromochloromethane	11.359	129	5099	1.251	ug/l	94
77) t-1,4-Dichloro-2-butene	12.853	75	67970	48.328	ug/l #	12
88) 1,2-Dibromo-3-Chloropr...	14.906	75	219	0.256	ug/l #	4

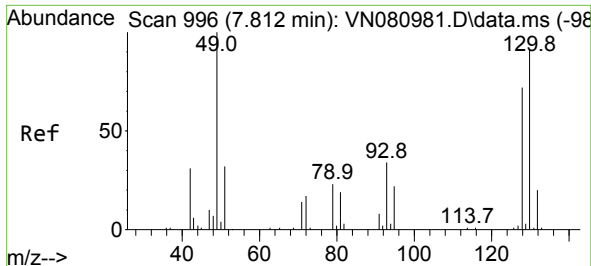
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022324\
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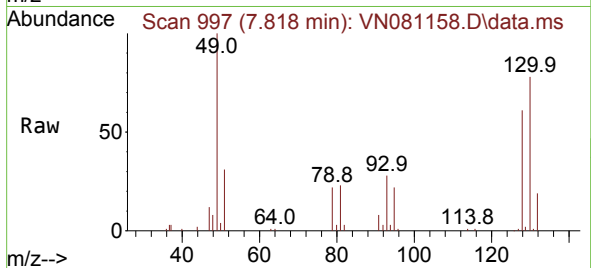
Quant Time: Feb 24 00:13:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020924W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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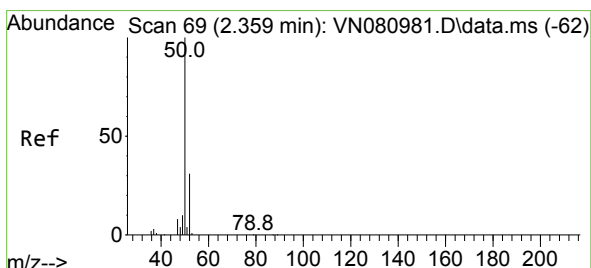
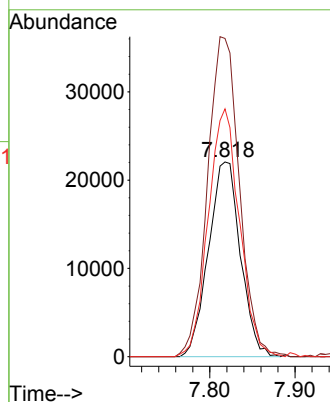
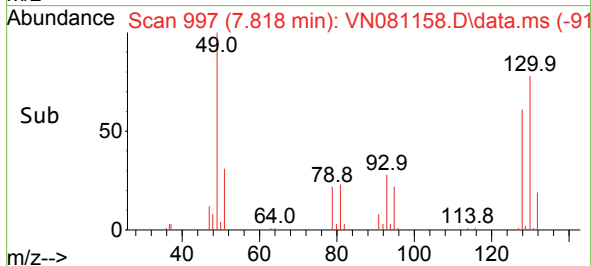


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN081158.D
Acq: 23 Feb 2024 13:03

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001

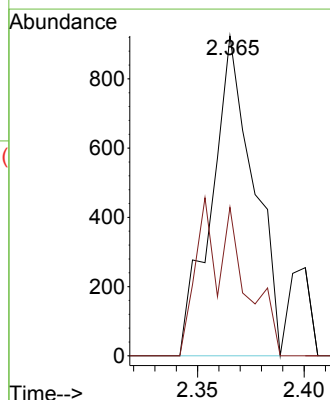
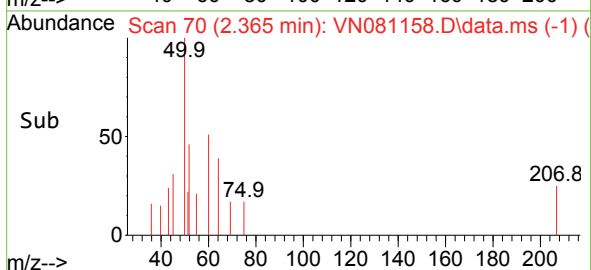
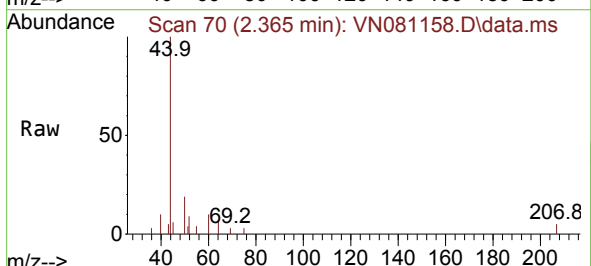


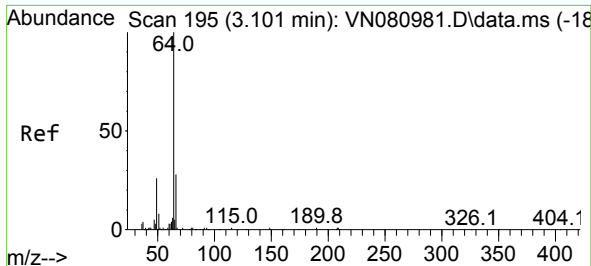
Tgt Ion:128 Resp: 57380
Ion Ratio Lower Upper
128 100
49 164.1 0.0 403.7
130 124.8 0.0 323.3



#3
Chloromethane
Concen: 0.322 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN081158.D
Acq: 23 Feb 2024 13:03

Tgt Ion: 50 Resp: 1264
Ion Ratio Lower Upper
50 100
52 46.4 25.4 38.0#

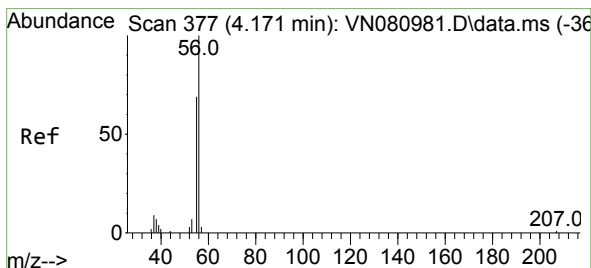
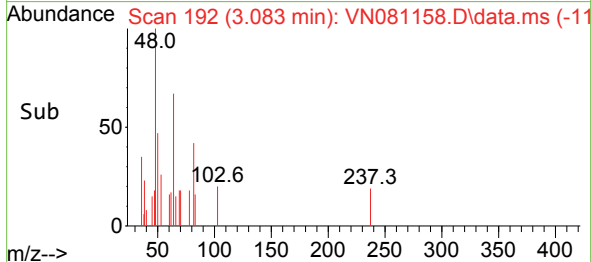
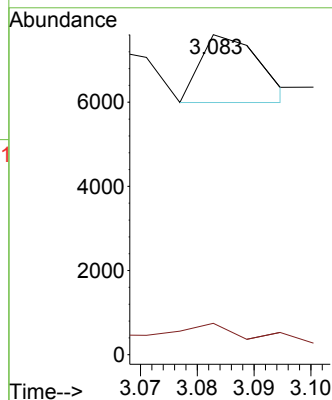
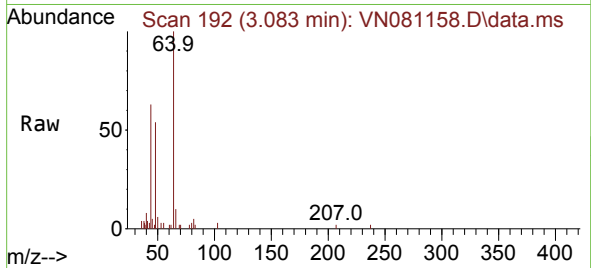




#6
Chloroethane
Concen: 0.386 ug/l
RT: 3.083 min Scan# 195
Delta R.T. -0.018 min
Lab File: VN081158.D
Acq: 23 Feb 2024 13:03

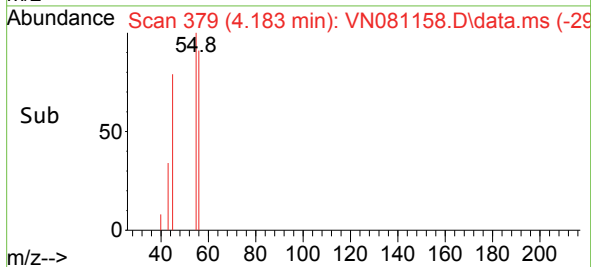
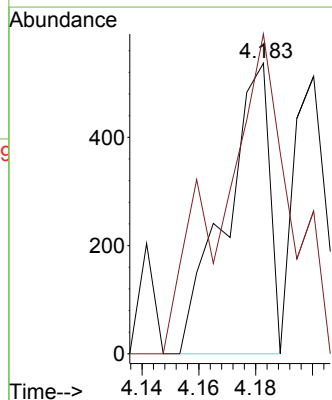
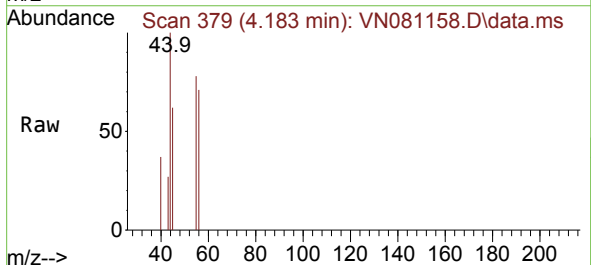
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001

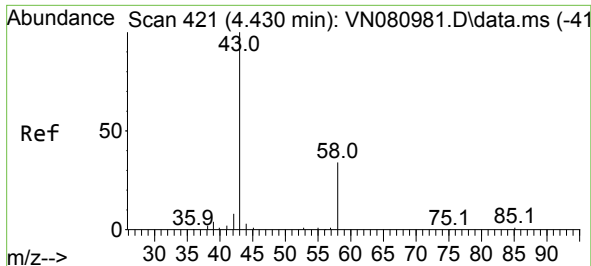
Tgt Ion: 64 Resp: 1176
Ion Ratio Lower Upper
64 100
66 13.5 26.7 40.1#



#13
Acrolein
Concen: 0.887 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.012 min
Lab File: VN081158.D
Acq: 23 Feb 2024 13:03

Tgt Ion: 56 Resp: 574
Ion Ratio Lower Upper
56 100
55 131.4 55.5 83.3#





#15

Acetone

Concen: 535.346 ug/l

RT: 4.424 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN081158.D

Acq: 23 Feb 2024 13:03

Instrument :

MSVOA_N

ClientSampleId :

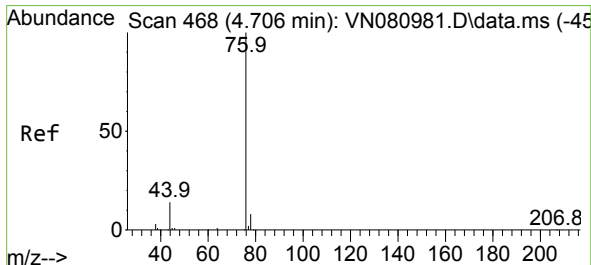
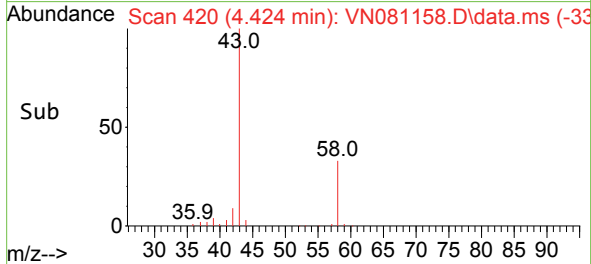
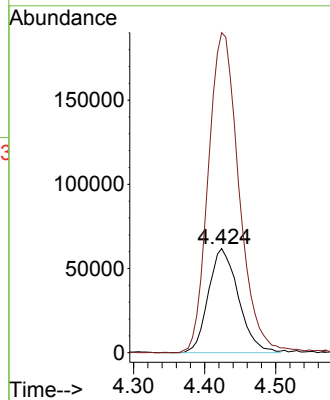
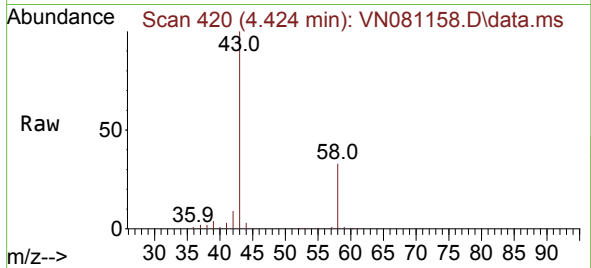
OUTFALL-DSN-001

Tgt Ion: 58 Resp: 181461

Ion Ratio Lower Upper

58 100

43 306.7 223.1 334.7



#16

Carbon Disulfide

Concen: 0.504 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.006 min

Lab File: VN081158.D

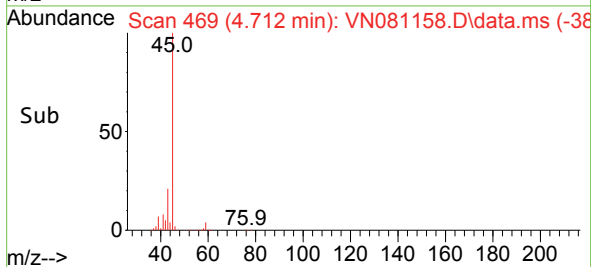
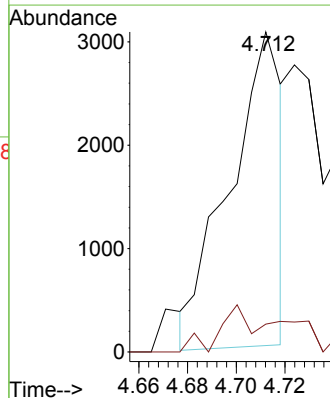
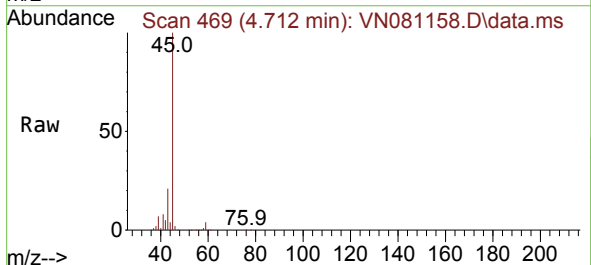
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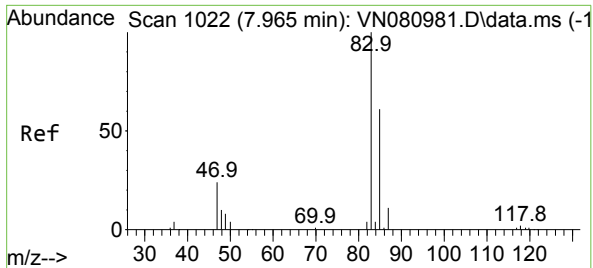
Tgt Ion: 76 Resp: 4533

Ion Ratio Lower Upper

76 100

78 9.9 6.3 9.5#

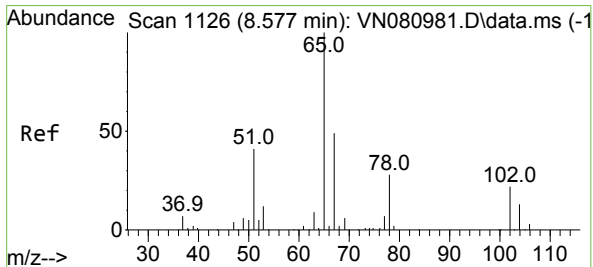
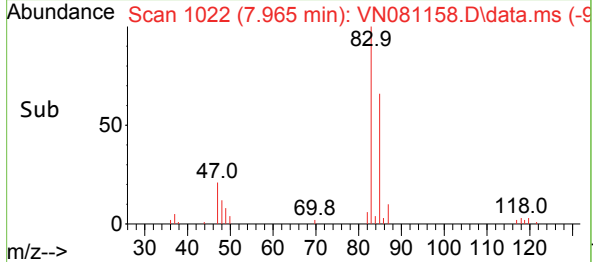
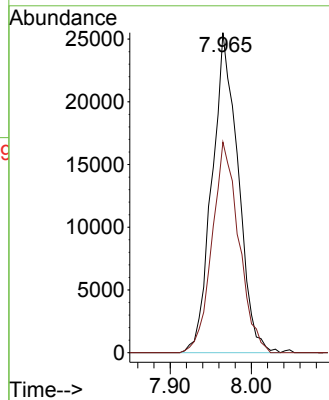
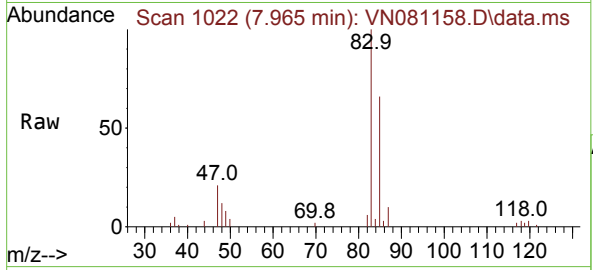




#25
Chloroform
Concen: 8.089 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN081158.D
Acq: 23 Feb 2024 13:03

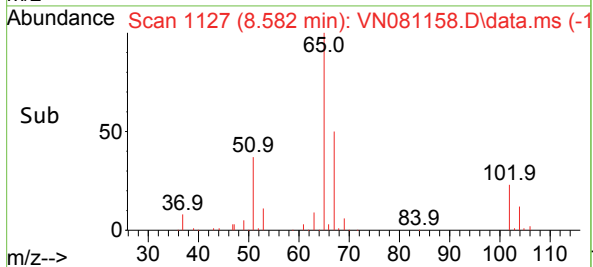
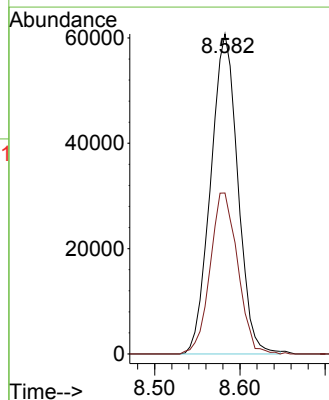
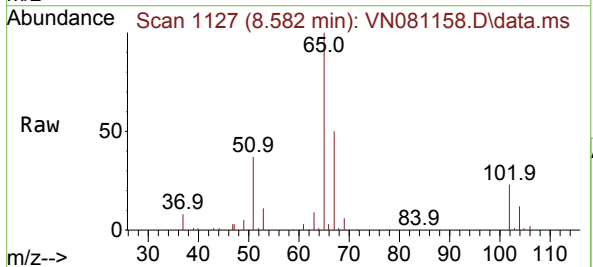
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001

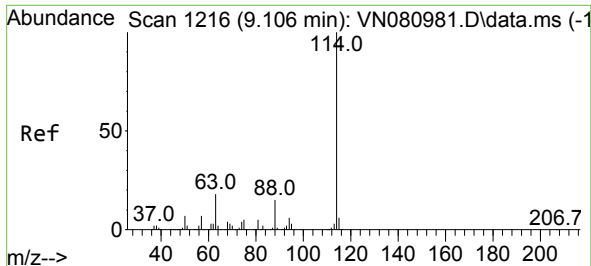
Tgt Ion: 83 Resp: 56845
Ion Ratio Lower Upper
83 100
85 65.8 50.9 76.3



#27
1,2-Dichloroethane-d4
Concen: 31.199 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081158.D
Acq: 23 Feb 2024 13:03

Tgt Ion: 65 Resp: 134518
Ion Ratio Lower Upper
65 100
67 50.7 43.2 64.8

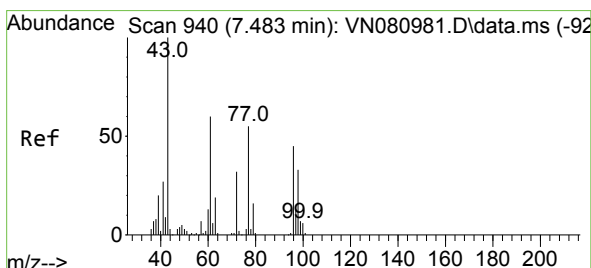
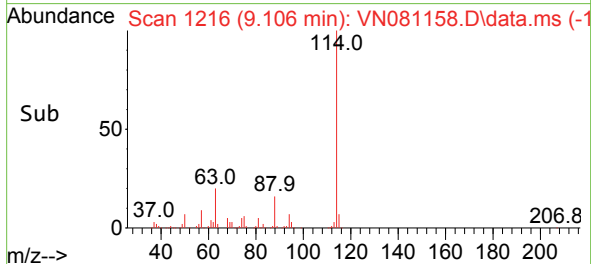
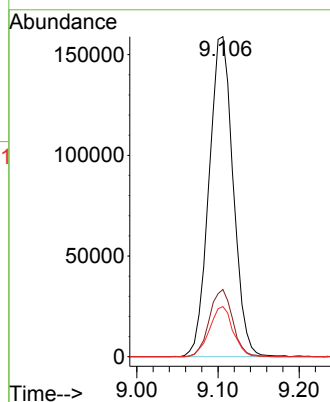
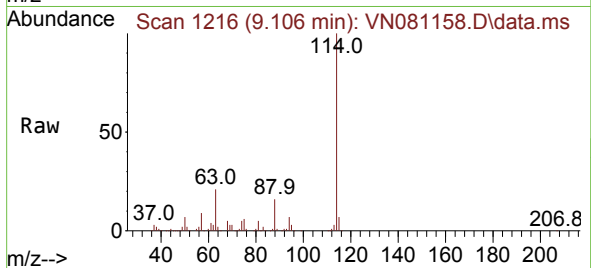




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081158.D
Acq: 23 Feb 2024 13:03

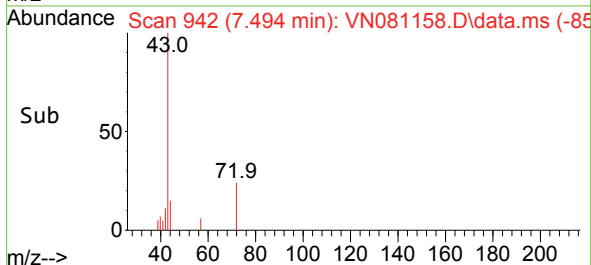
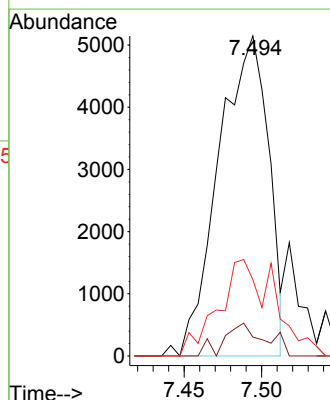
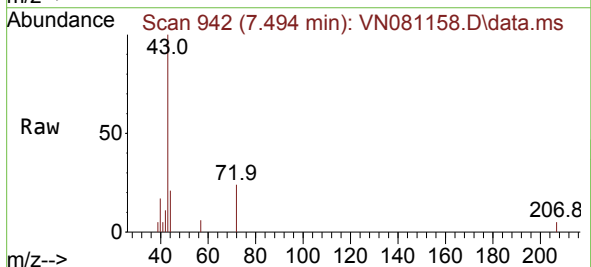
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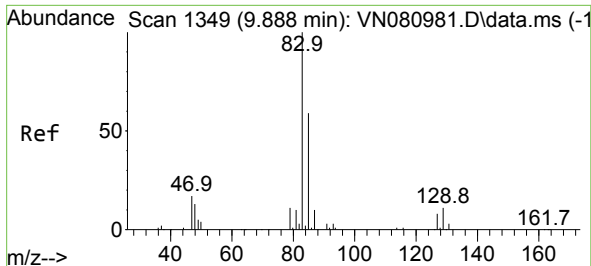
Tgt Ion:114 Resp: 329025
Ion Ratio Lower Upper
114 100
63 20.2 15.9 23.9
88 15.2 12.7 19.1



#30
2-Butanone
Concen: 6.403 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN081158.D
Acq: 23 Feb 2024 13:03

Tgt Ion: 43 Resp: 11513
Ion Ratio Lower Upper
43 100
57 6.3 6.7 10.1#
72 15.5 24.0 36.0#

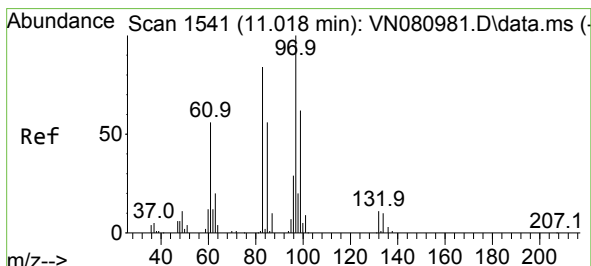
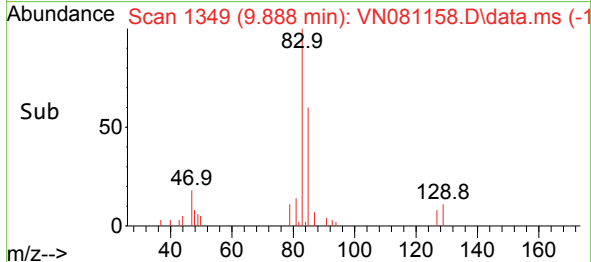
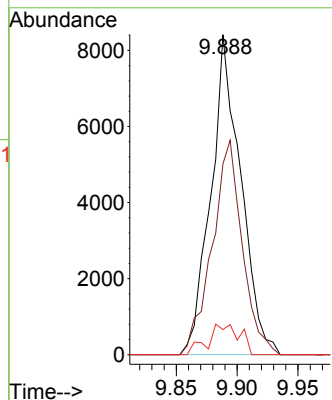
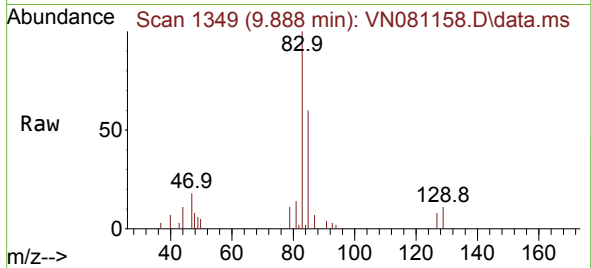




#41
Bromodichloromethane
Concen: 2.716 ug/l
RT: 9.888 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081158.D
Acq: 23 Feb 2024 13:03

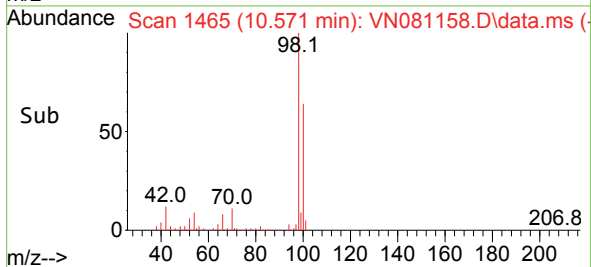
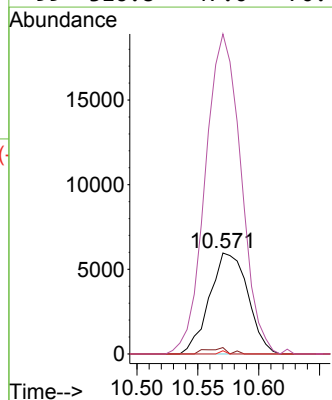
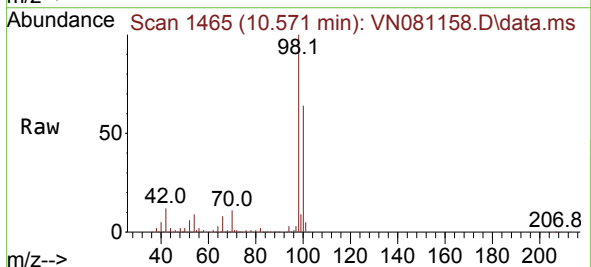
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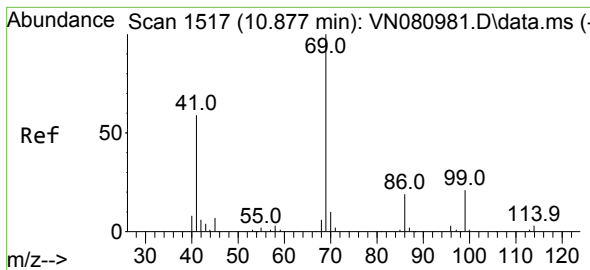
Tgt Ion: 83 Resp: 14366
Ion Ratio Lower Upper
83 100
85 59.5 49.4 74.2
127 7.8 7.3 10.9



#50
1,1,2-Trichloroethane
Concen: 3.493 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN081158.D
Acq: 23 Feb 2024 13:03

Tgt Ion: 97 Resp: 13062
Ion Ratio Lower Upper
97 100
83 6.3 68.1 102.1#
85 3.2 41.8 62.6#
99 316.8 47.0 70.4#

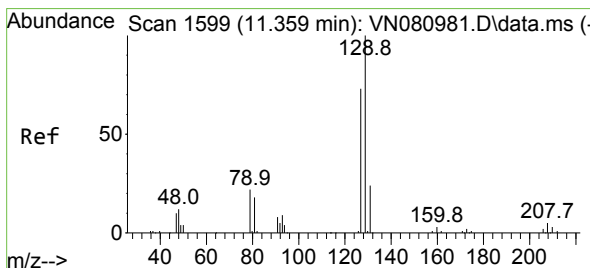
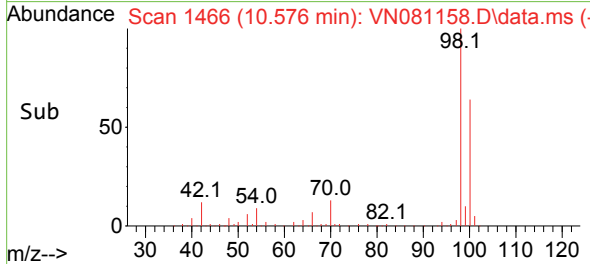
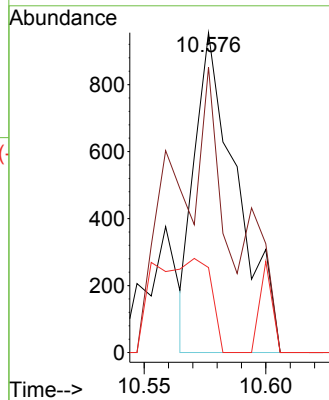
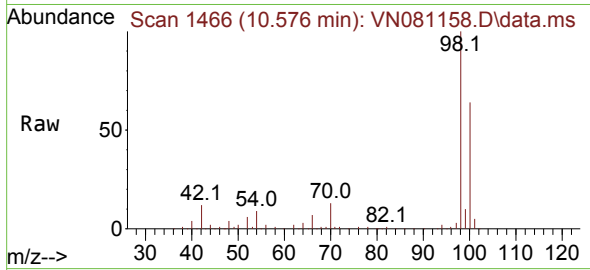




#51
Ethyl methacrylate
Concen: 0.220 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.300 min
Lab File: VN081158.D
Acq: 23 Feb 2024 13:03

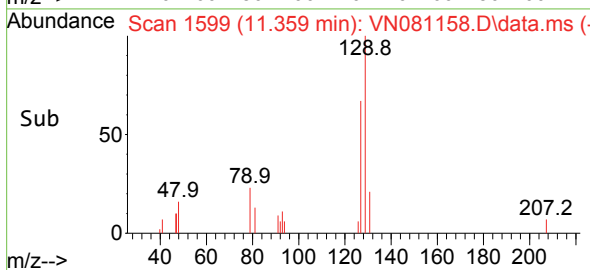
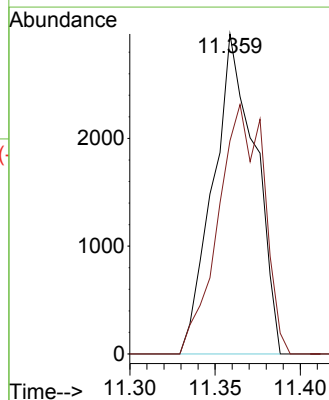
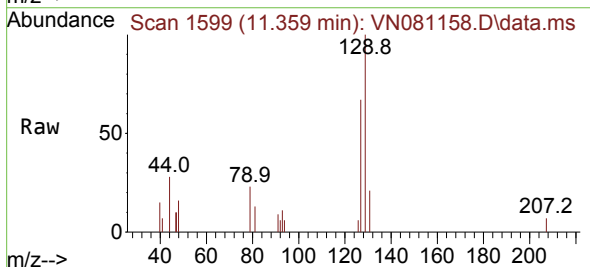
Instrument :
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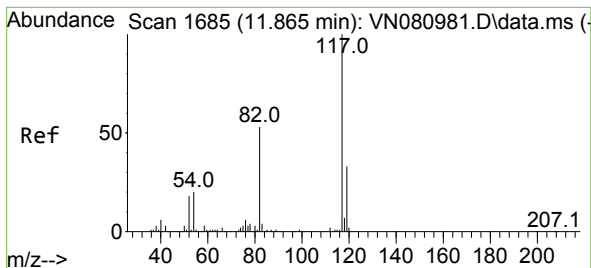
Tgt Ion: 69 Resp: 1148
Ion Ratio Lower Upper
69 100
41 89.2 25.5 76.5#
39 26.6 16.0 47.9



#53
Dibromochloromethane
Concen: 1.251 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN081158.D
Acq: 23 Feb 2024 13:03

Tgt Ion: 129 Resp: 5099
Ion Ratio Lower Upper
129 100
127 84.3 39.4 118.1

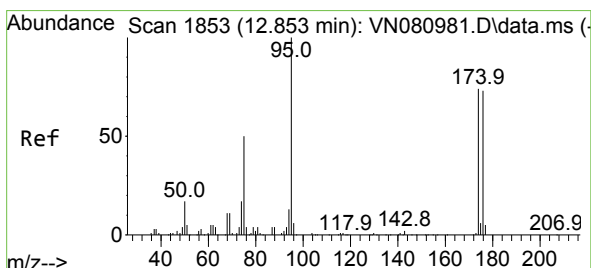
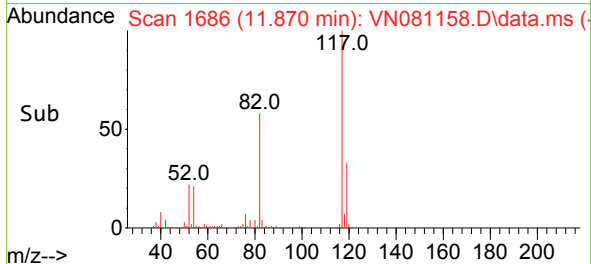
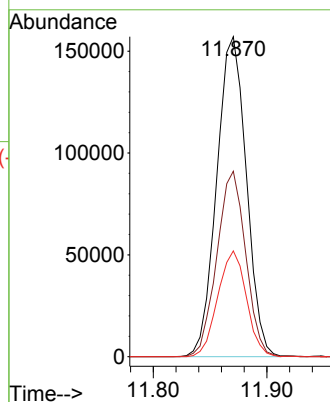
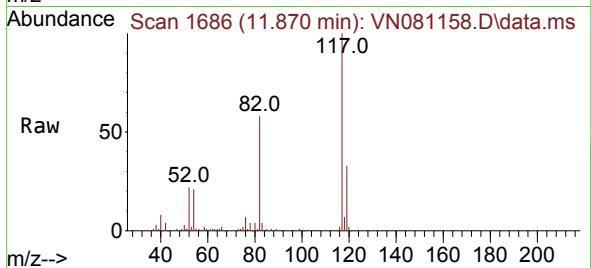




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN081158.D
Acq: 23 Feb 2024 13:03

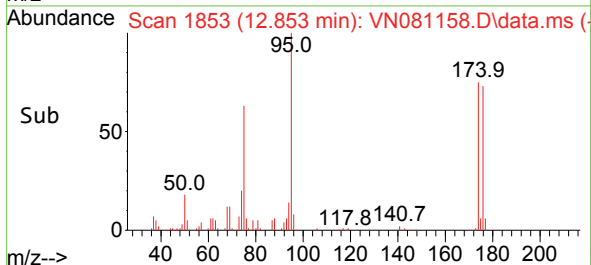
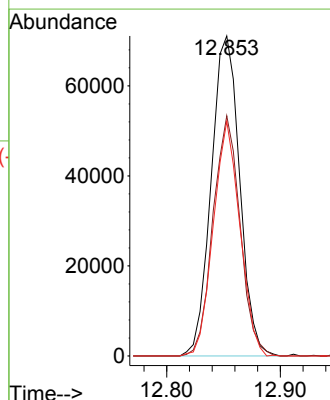
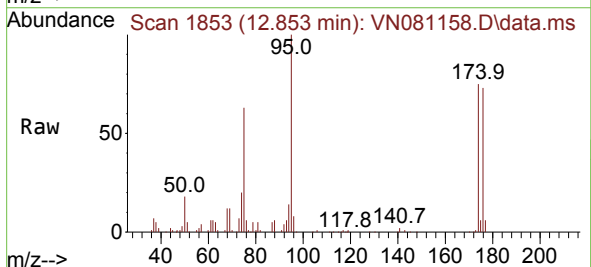
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001

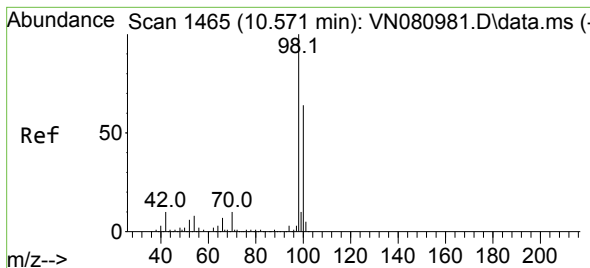
Tgt Ion:117 Resp: 285019
Ion Ratio Lower Upper
117 100
82 56.3 46.6 69.8
119 31.9 25.4 38.2



#60
4-Bromofluorobenzene
Concen: 28.370 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN081158.D
Acq: 23 Feb 2024 13:03

Tgt Ion: 95 Resp: 123615
Ion Ratio Lower Upper
95 100
174 71.3 60.5 90.7
176 68.4 57.8 86.6





#63

Toluene-d8

Concen: 30.384 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN081158.D

Acq: 23 Feb 2024 13:03

Instrument :

MSVOA_N

ClientSampleId :

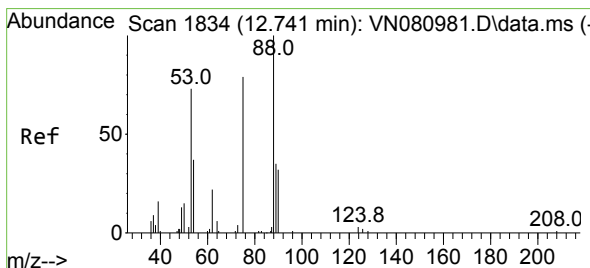
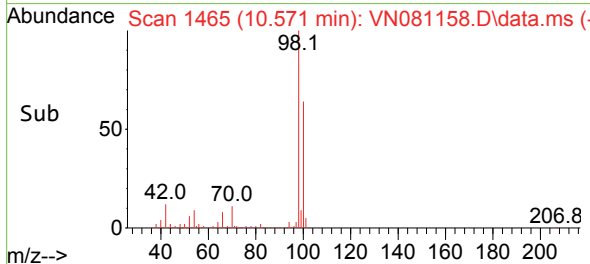
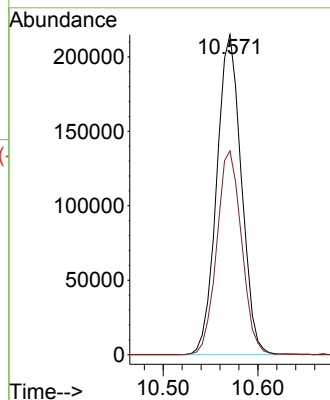
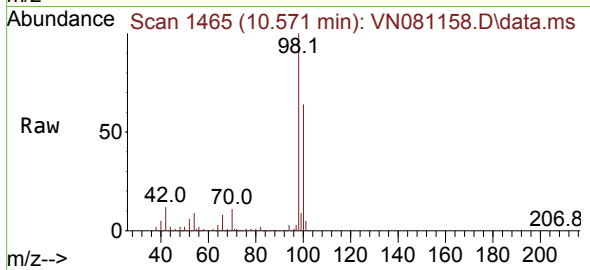
OUTFALL-DSN-001

Tgt Ion: 98 Resp: 388630

Ion Ratio Lower Upper

98 100

100 64.2 52.7 79.1



#77

t-1,4-Dichloro-2-butene

Concen: 48.328 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN081158.D

Acq: 23 Feb 2024 13:03

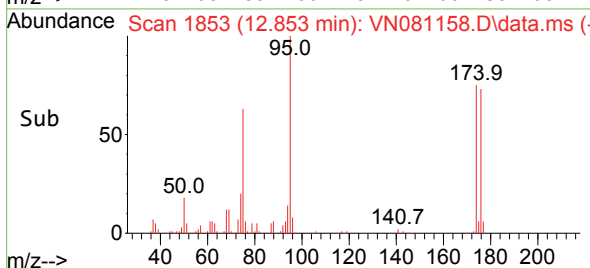
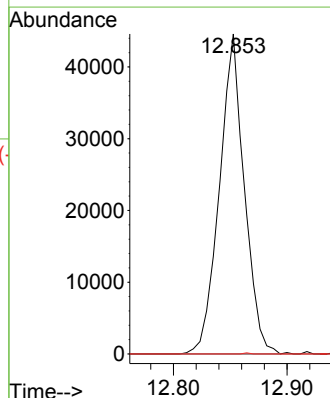
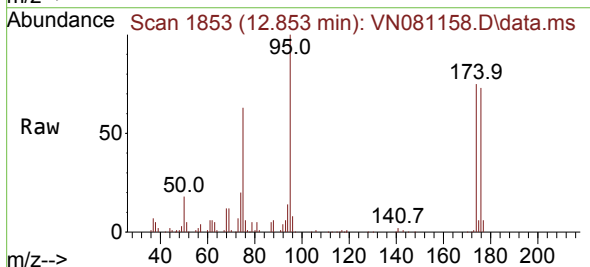
Tgt Ion: 75 Resp: 67970

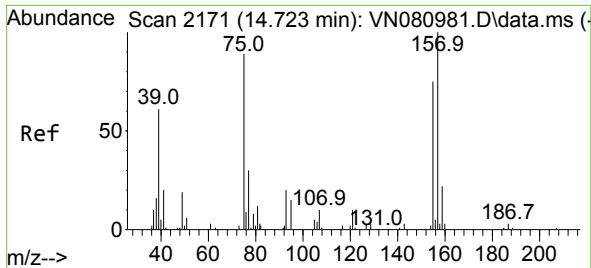
Ion Ratio Lower Upper

75 100

53 0.0 45.9 137.7#

89 0.0 25.9 77.7#





#88

1,2-Dibromo-3-Chloropropane

Concen: 0.256 ug/l

RT: 14.906 min Scan# 21

Delta R.T. 0.182 min

Lab File: VN081158.D

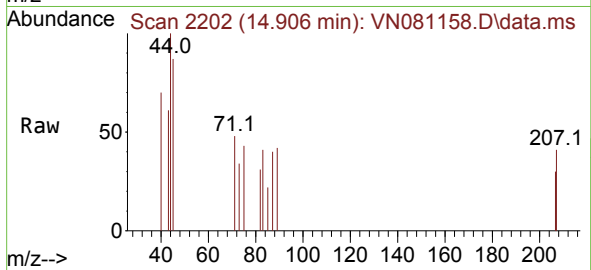
Acq: 23 Feb 2024 13:03

Instrument :

MSVOA_N

ClientSampleId :

OUTFALL-DSN-001



Tgt Ion: 75 Resp: 219

Ion Ratio Lower Upper

75 100

155 0.0 61.7 92.5#

157 0.0 83.6 125.4#

