

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

Manual Integrations
 APPROVED

Reviewed By :John Carlone 02/26/2024
 Supervised By :Mahesh Dadoda 02/26/2024

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
15) Acetone	4.436	58	36870	103.055	ug/l	93
25) Chloroform	7.965	83	4638m	0.625	ug/l	

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

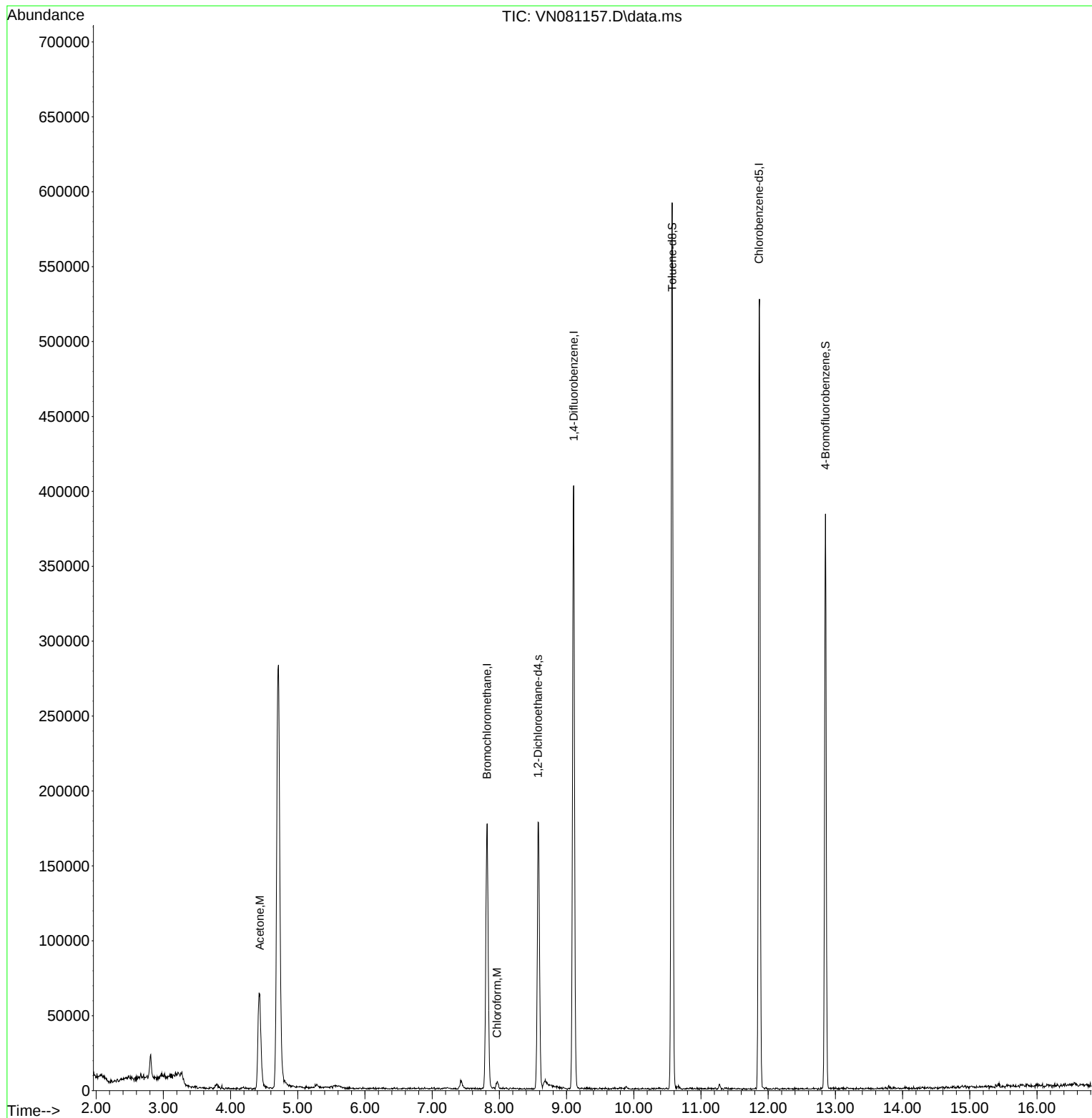
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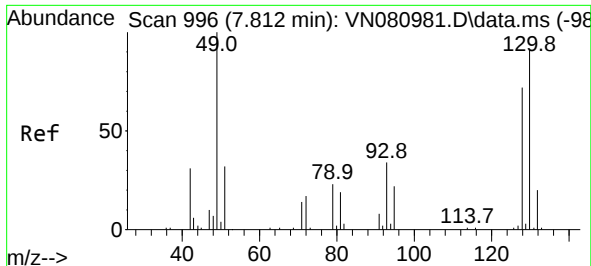
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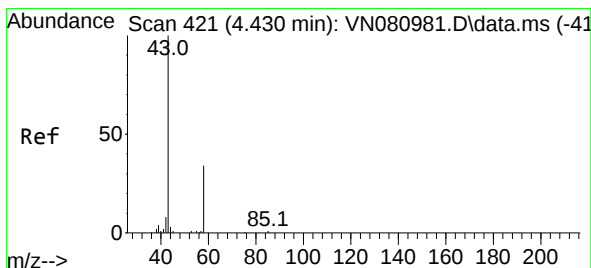
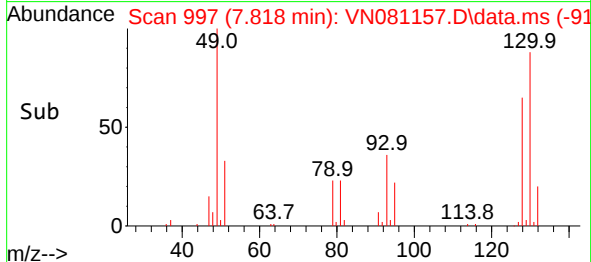
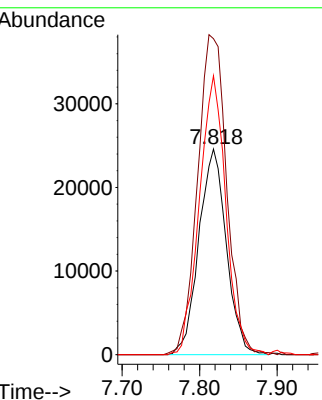
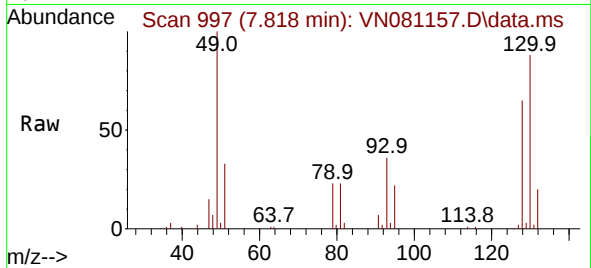
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN081157.D
Acq: 23 Feb 2024 12:39

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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

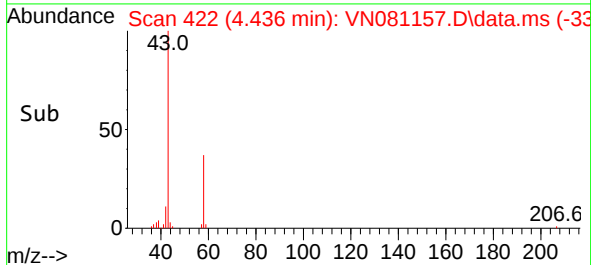
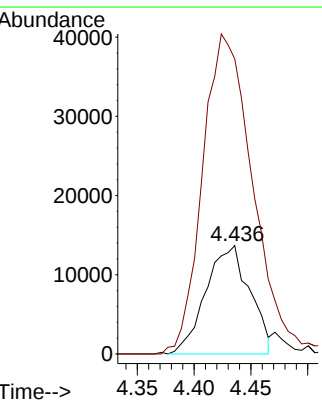
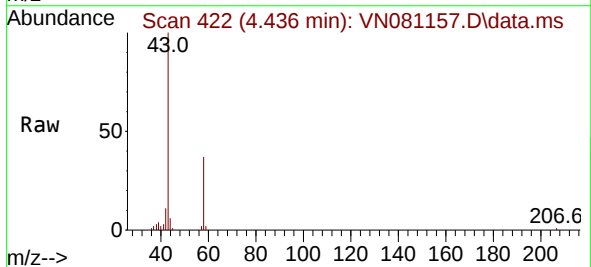
Manual Integrations
APPROVED

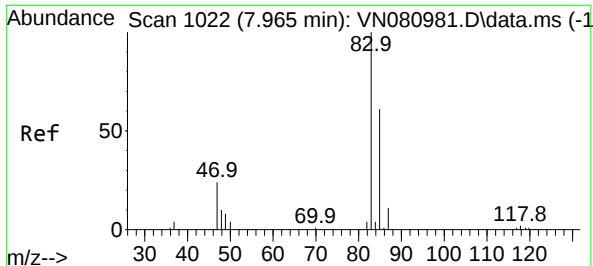
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#15
Acetone
Concen: 103.055 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN081157.D
Acq: 23 Feb 2024 12:39

Tgt Ion: 58 Resp: 36870
Ion Ratio Lower Upper
58 100
43 266.0 223.1 334.7





#25

Chloroform

Concen: 0.625 ug/l m

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN081157.D

Acq: 23 Feb 2024 12:39

Instrument :

MSVOA_N

ClientSampleId :

OUTFALL-DSN-002

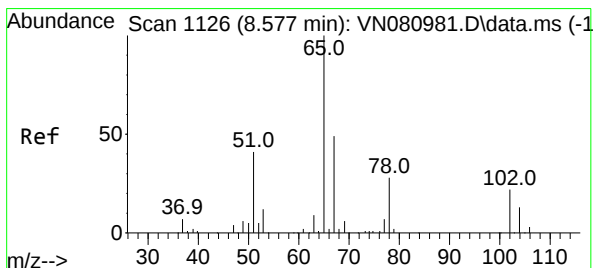
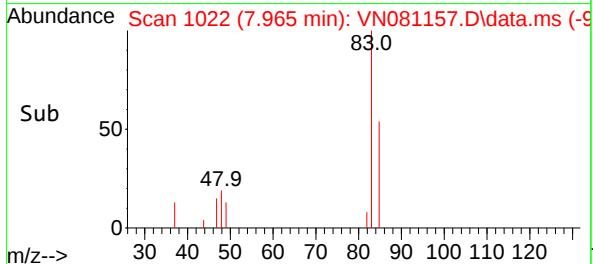
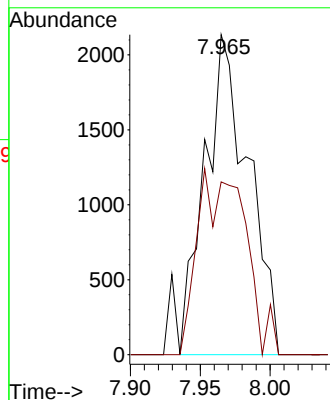
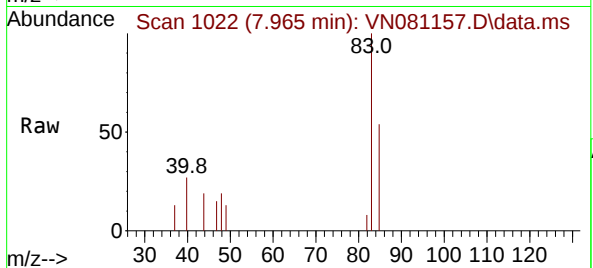
Tgt Ion: 83 Resp: 4638
 Ion Ratio Lower Upper
 83 100
 85 54.0 50.9 76.3

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#27

1,2-Dichloroethane-d4

Concen: 31.417 ug/l

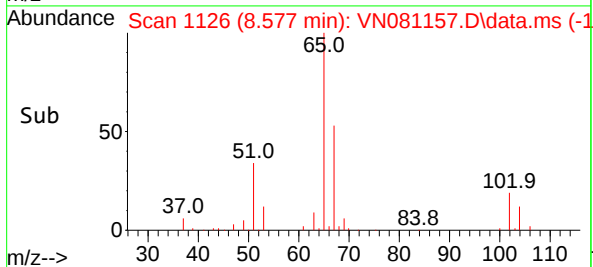
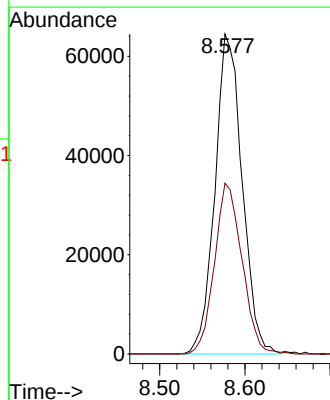
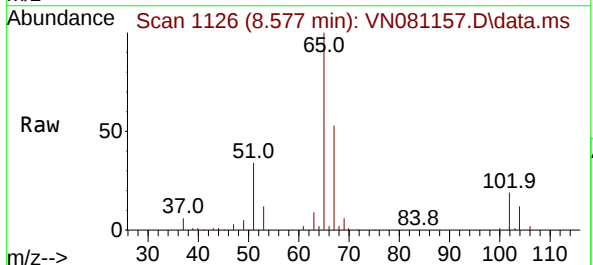
RT: 8.577 min Scan# 1126

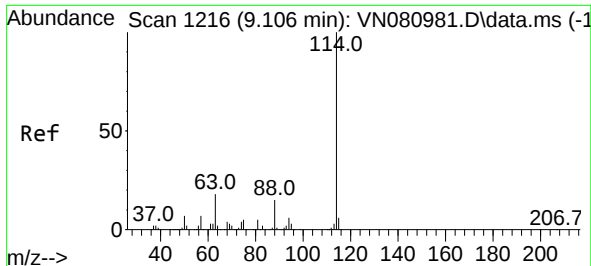
Delta R.T. -0.000 min

Lab File: VN081157.D

Acq: 23 Feb 2024 12:39

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





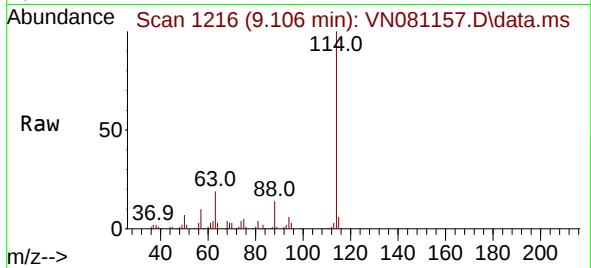
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN081157.D
Acq: 23 Feb 2024 12:39

Instrument :

MSVOA_N

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OUTFALL-DSN-002



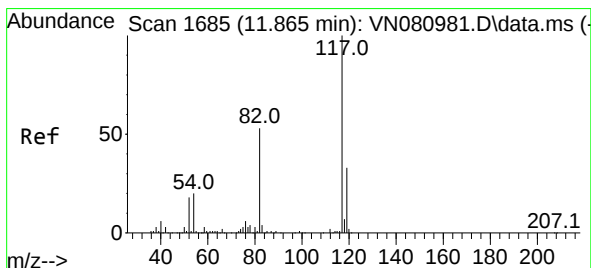
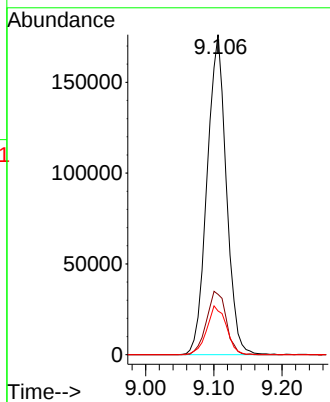
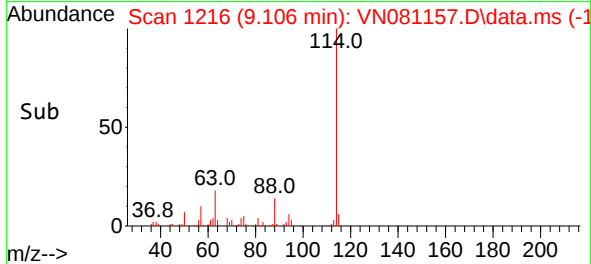
Tgt Ion:114 Resp: 345972
Ion Ratio Lower Upper
114 100
63 20.2 15.9 23.9
88 15.5 12.7 19.1

Manual Integrations

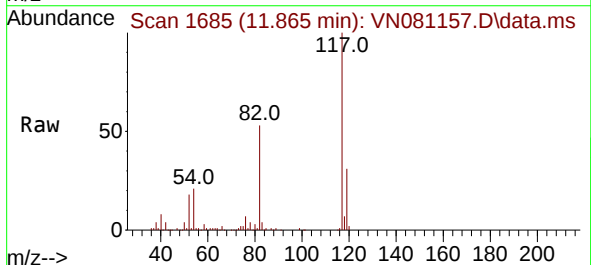
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Reviewed By :John Carlone 02/26/2024

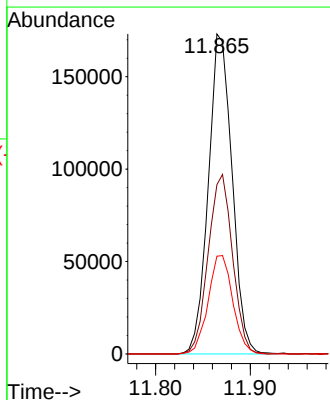
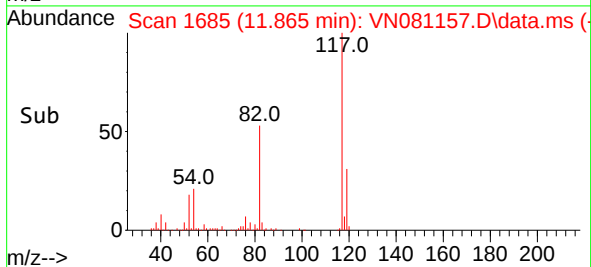
Supervised By :Mahesh Dadoda 02/26/2024

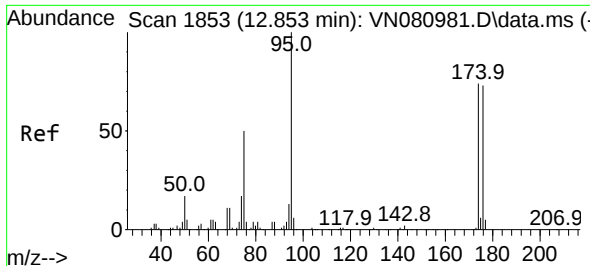


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN081157.D
Acq: 23 Feb 2024 12:39



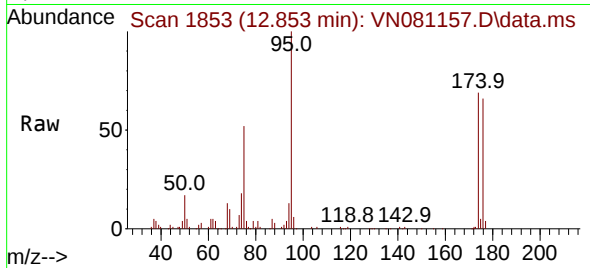
Tgt Ion:117 Resp: 301411
Ion Ratio Lower Upper
117 100
82 57.5 46.6 69.8
119 32.0 25.4 38.2





#60
4-Bromofluorobenzene
Concen: 29.004 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081157.D
Acq: 23 Feb 2024 12:39

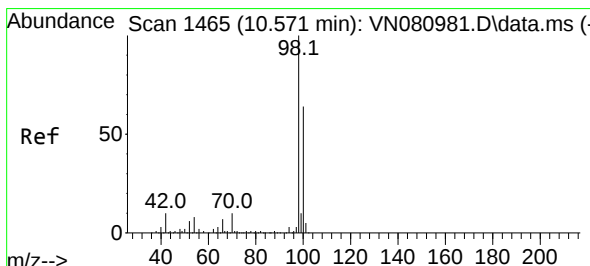
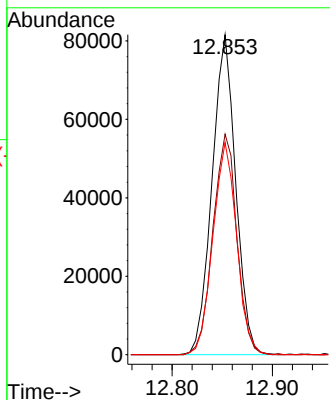
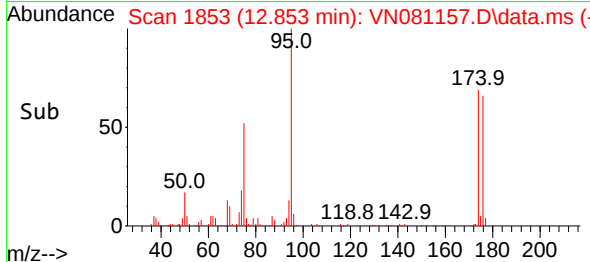
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-002



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

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#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

Tgt Ion: 98 Resp: 411014
Ion Ratio Lower Upper
98 100
100 66.2 52.7 79.1

