

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081019\
 Data File : VN057171.D
 Acq On : 10 Aug 2019 13:03
 Operator : JC/SP
 Sample : K4221-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DSN-001-SEWER-OUTLET-01

Quant Time: Aug 11 04:05:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sun Aug 11 03:53:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.58	128	177239	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.01	114	948252	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.90	117	746457	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.44	65	345260	29.88	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.60%
60) 4-Bromofluorobenzene	11.92	95	233848	21.04	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	70.13%
63) Toluene-d8	9.56	98	1119303	32.48	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	108.27%

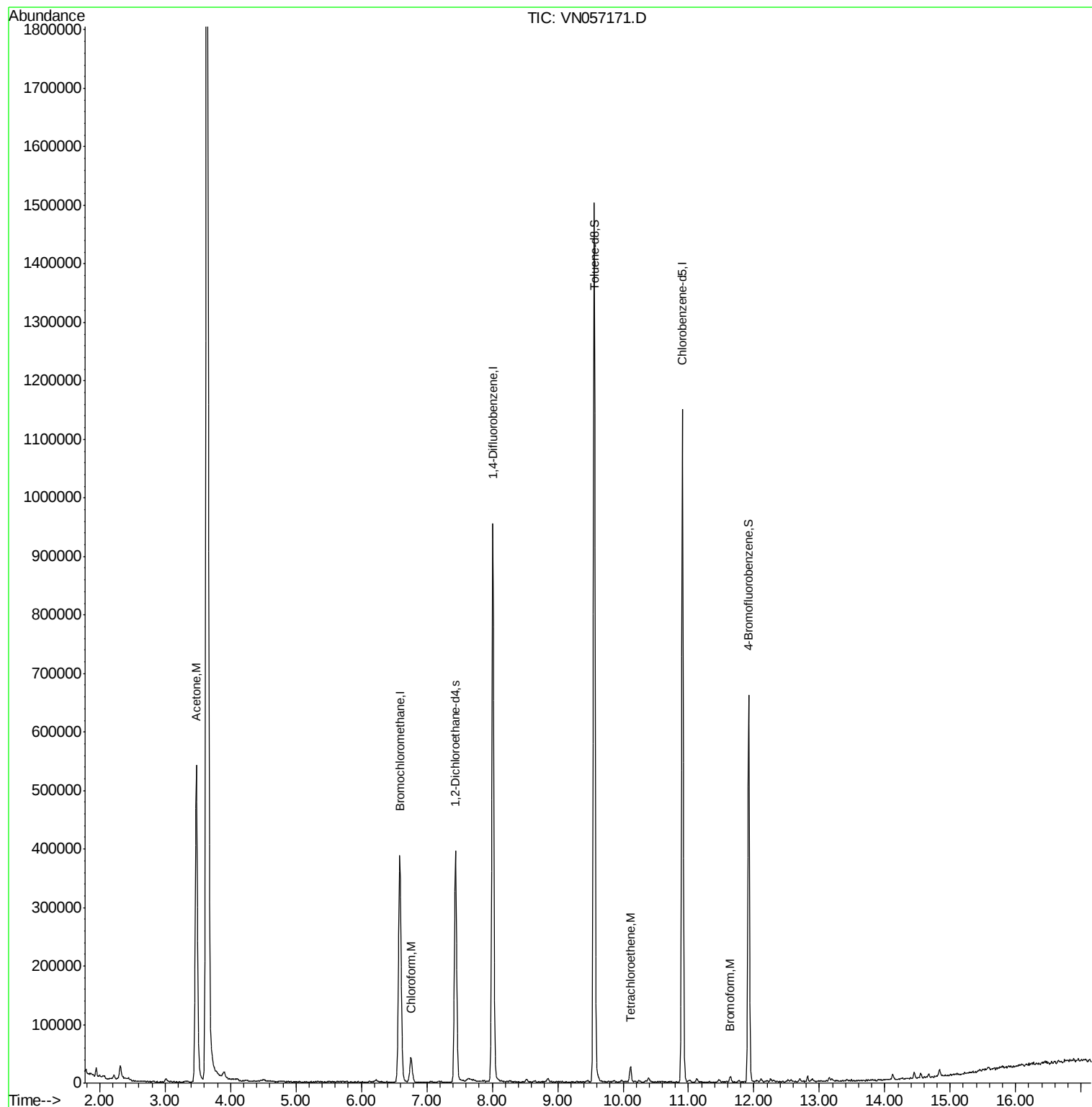
Target Compounds					Ovalue
15) Acetone	3.48	58	284206	193.942	ug/l 99
25) Chloroform	6.76	83	48389	2.474	ug/l 88
56) Bromoform	11.64	173	5513	0.641	ug/l # 94
61) Tetrachloroethene	10.11	164	7397	0.646	ug/l # 76

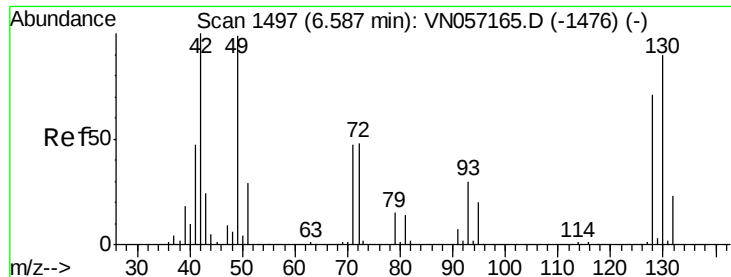
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 6.58 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VN057171.D

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Instrument :

MSVOA_N

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DSN-001-SEWER-OUTLET-01

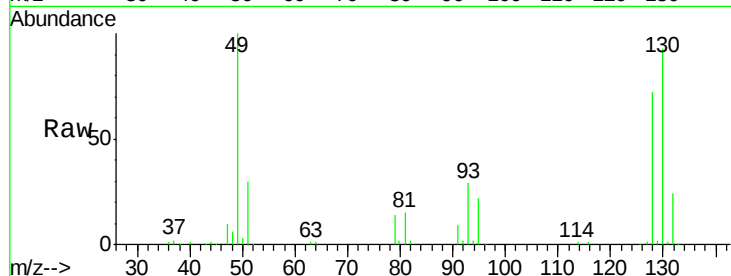
Tot Ion:128 Resp: 177239

Ion Ratio Lower Upper

128 100

49 138.0 0.0 361.0

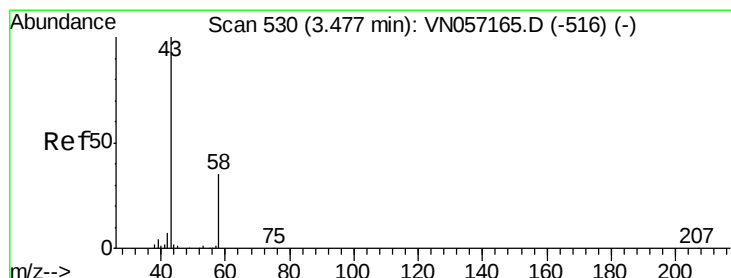
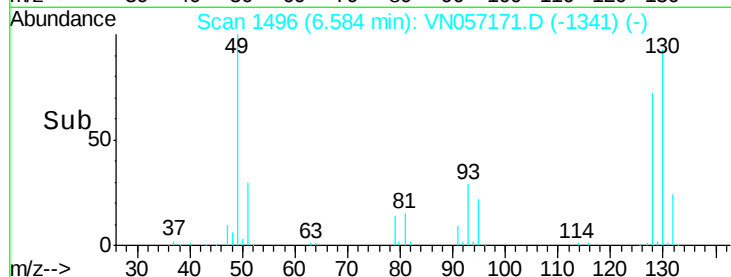
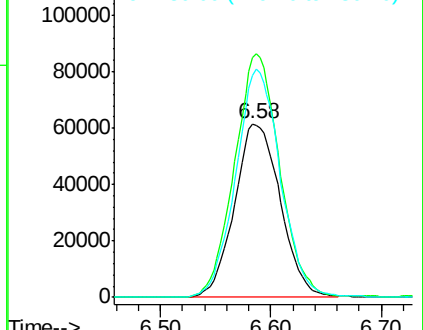
130 128.6 0.0 329.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 193.942 ug/l

RT: 3.48 min Scan# 530

Delta R.T. 0.00 min

Lab File: VN057171.D

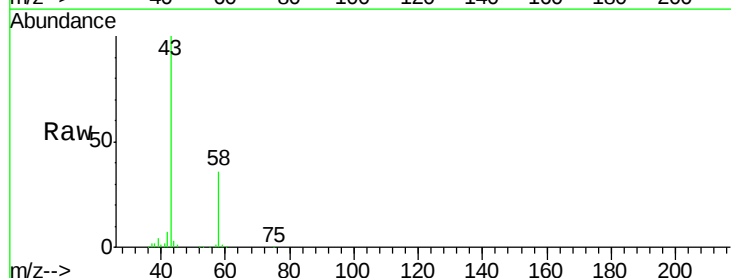
Acq: 10 Aug 2019 13:03

Tgt Ion: 58 Resp: 284206

Ion Ratio Lower Upper

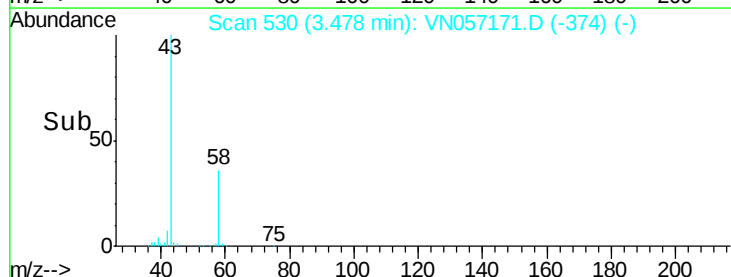
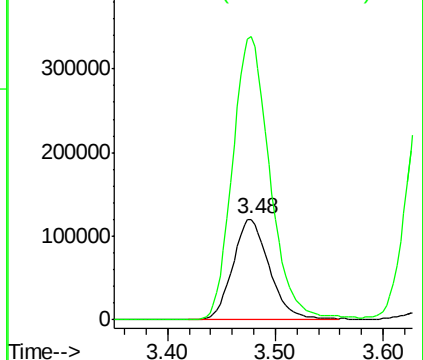
58 100

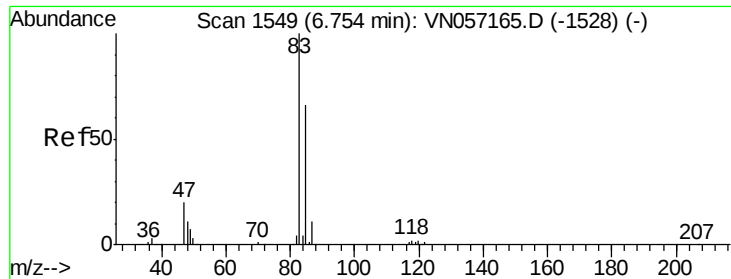
43 281.4 226.2 339.2



Abundance Ion 58.00 (57.70 to 58.70): VNO

Ion 43.00 (42.70 to 43.70): VNO





#25

Chloroform

Concen: 2.474 ug/l

RT: 6.76 min Scan# 1550

Delta R.T. 0.00 min

Lab File: VN057171.D

Acq: 10 Aug 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

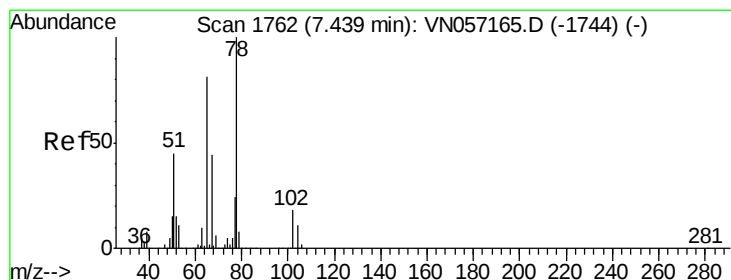
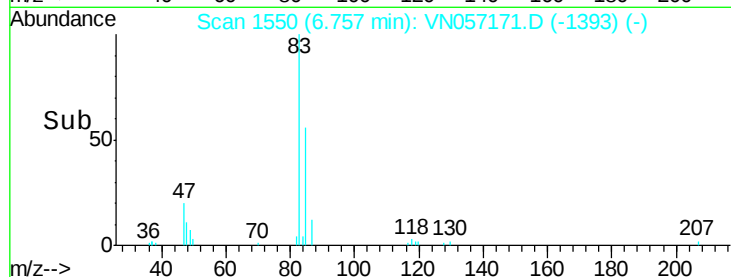
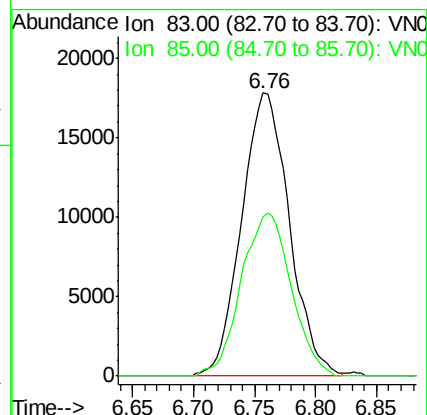
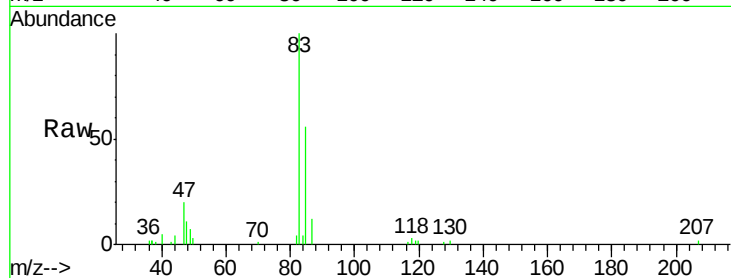
DSN-001-SEWER-OUTLET-01

Tot Ion: 83 Resp: 48389

Ion Ratio Lower Upper

83 100

85 56.3 52.5 78.7



#27

1,2-Dichloroethane-d4

Concen: 29.884 ug/l

RT: 7.44 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VN057171.D

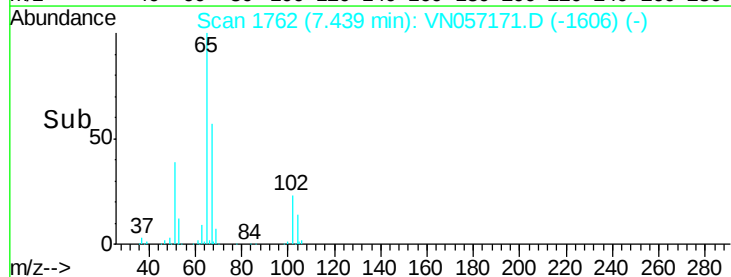
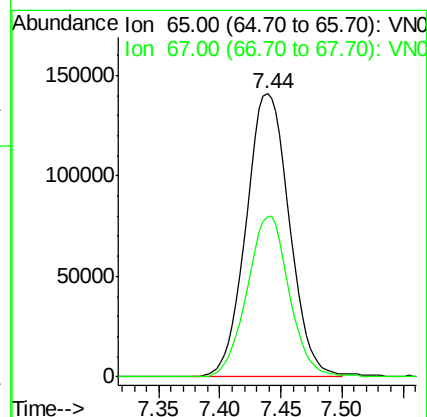
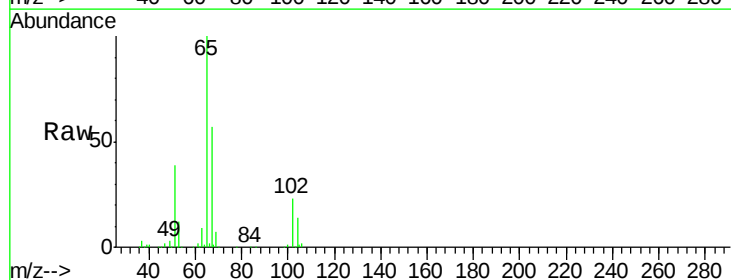
Acq: 10 Aug 2019 13:03

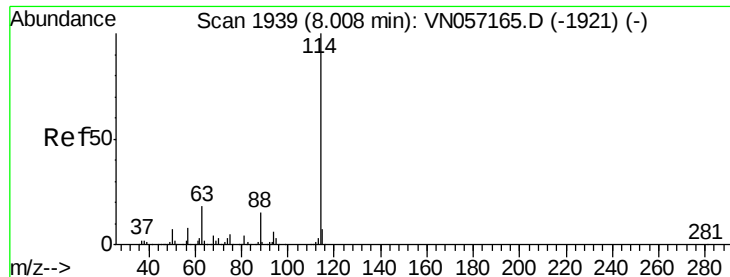
Tgt Ion: 65 Resp: 345260

Ion Ratio Lower Upper

65 100

67 55.3 42.4 63.6

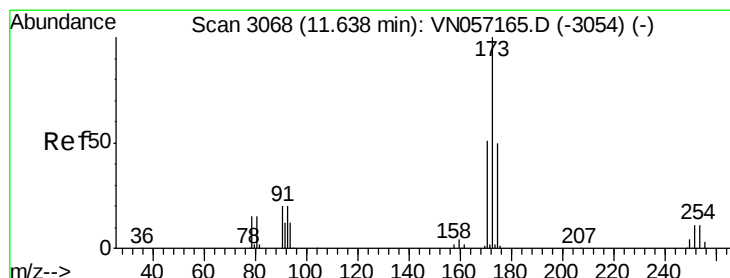
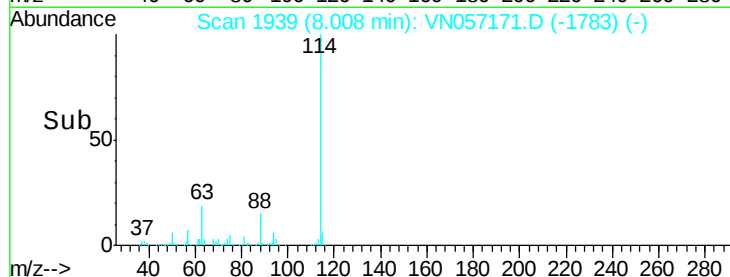
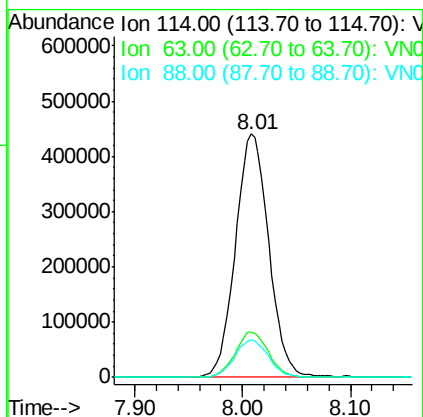
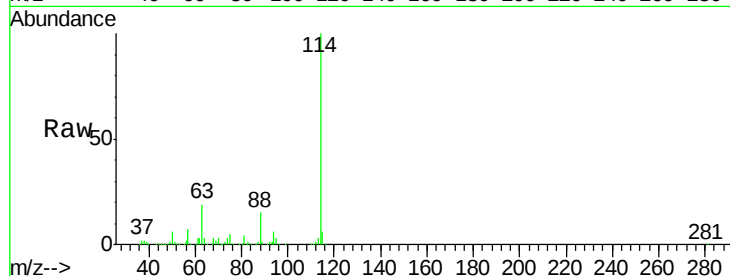




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN057171.D
 Acq: 10 Aug 2019 13:03

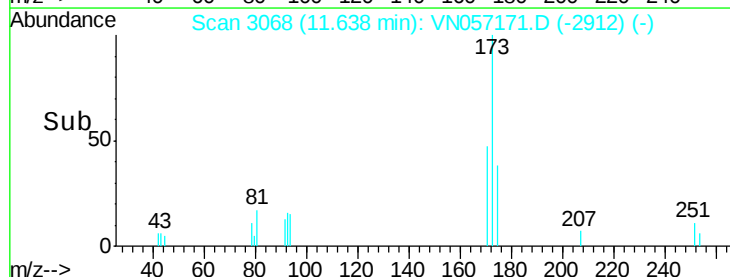
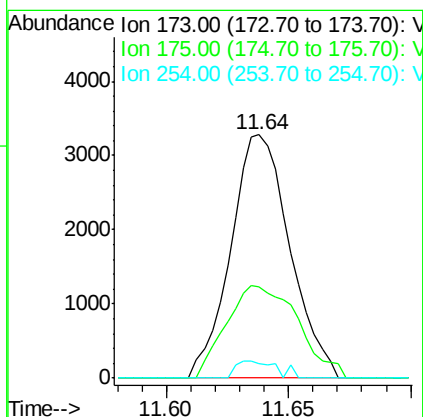
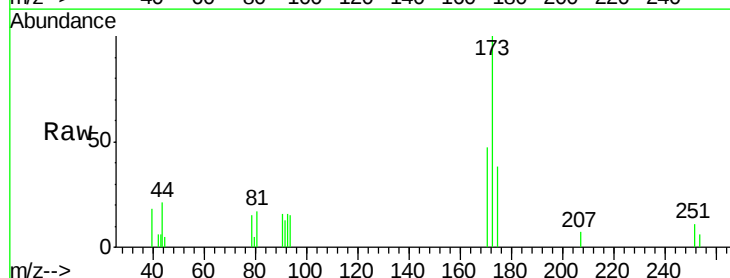
Instrument :
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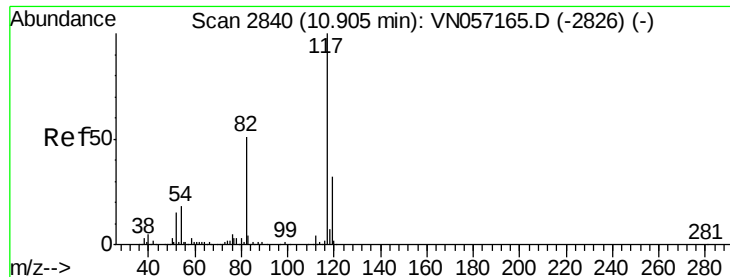
Tot Ion:114 Resp: 948252
 Ion Ratio Lower Upper
 114 100
 63 18.7 14.6 21.8
 88 15.6 12.2 18.2



#56
 Bromoform
 Concen: 0.641 ug/l
 RT: 11.64 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VN057171.D
 Acq: 10 Aug 2019 13:03

Tgt Ion:173 Resp: 5513
 Ion Ratio Lower Upper
 173 100
 175 46.3 39.0 58.4
 254 3.6 8.6 13.0#

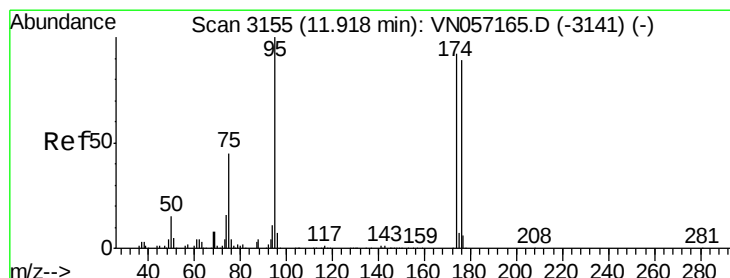
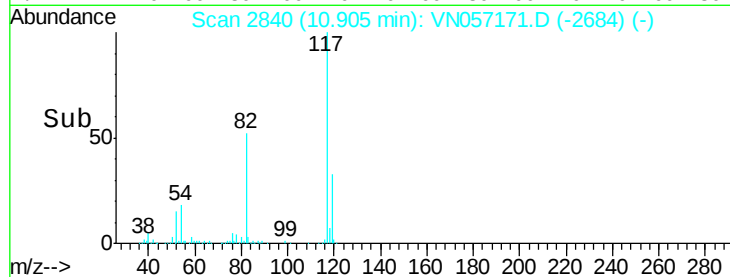
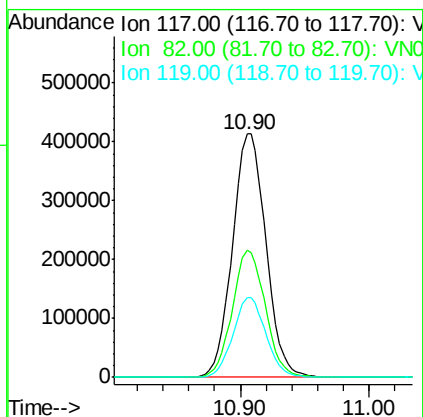
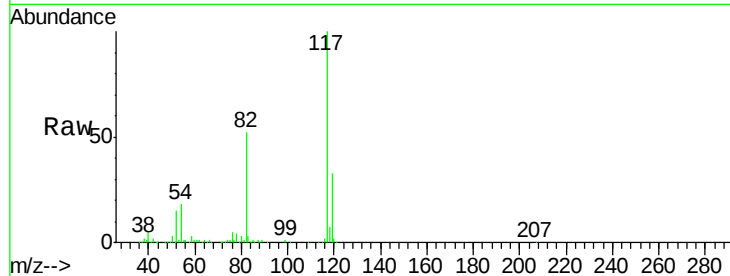




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN057171.D
Acq: 10 Aug 2019 13:03

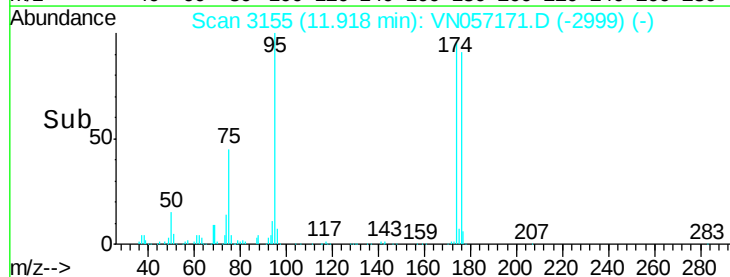
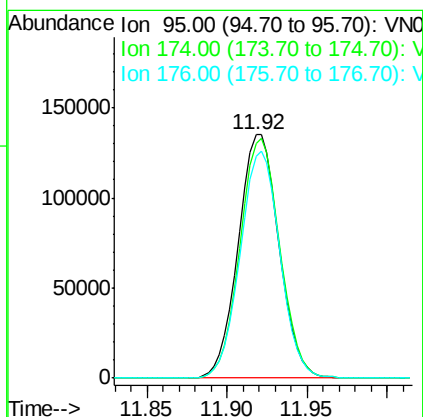
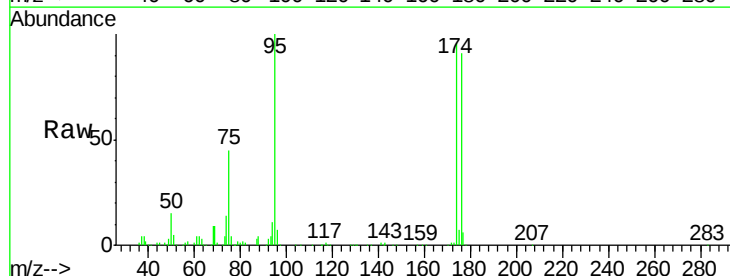
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DSN-001-SEWER-OUTLET-01

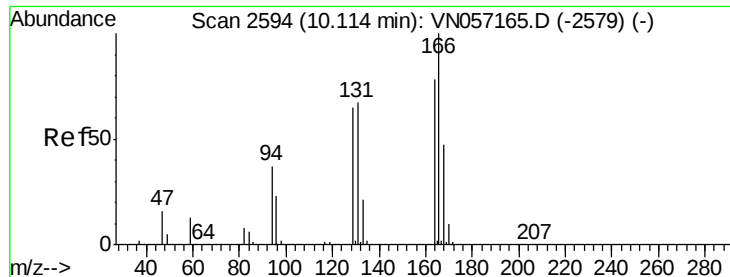
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	41.5	62.3
119	32.2	26.1	39.1



#60
4-Bromofluorobenzene
Concen: 21.039 ug/l
RT: 11.92 min Scan# 3155
Delta R.T. 0.00 min
Lab File: VN057171.D
Acq: 10 Aug 2019 13:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.4	74.9	112.3
176	90.9	72.1	108.1

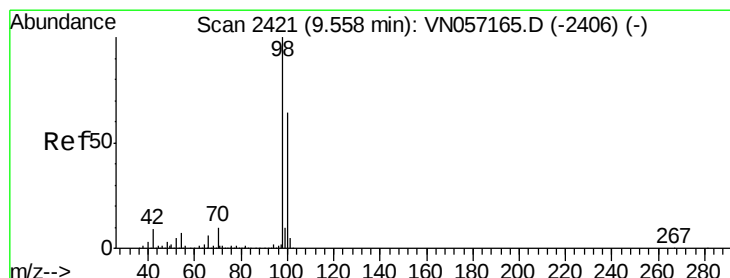
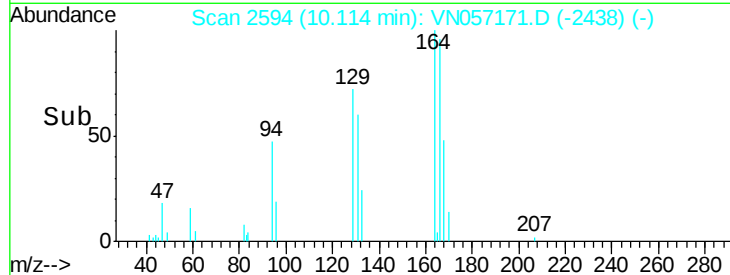
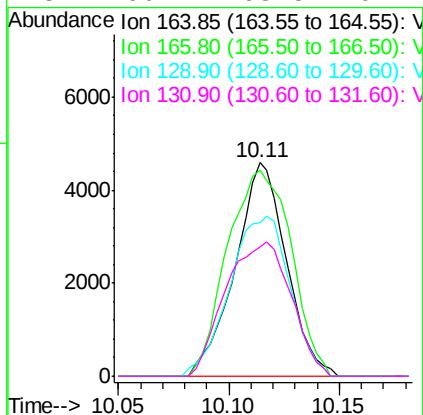
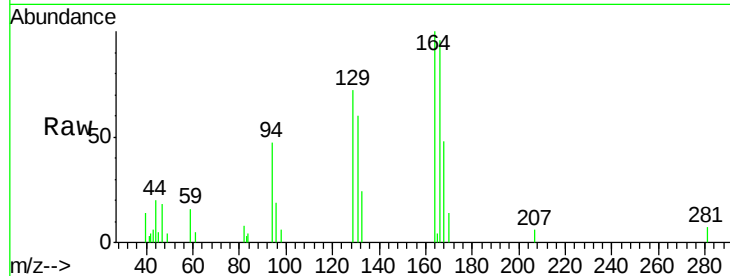




#61
Tetrachloroethene
Concen: 0.646 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. 0.00 min
Lab File: VN057171.D
Acq: 10 Aug 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
DSN-001-SEWER-OUTLET-01

Tot Ion:164 Resp: 7397
Ion Ratio Lower Upper
164 100
166 96.5 103.0 154.6#
129 72.2 67.3 100.9
131 60.4 68.5 102.7#



#63
Toluene-d8
Concen: 32.483 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. 0.00 min
Lab File: VN057171.D
Acq: 10 Aug 2019 13:03

Tgt Ion: 98 Resp: 1119303
Ion Ratio Lower Upper
98 100
100 64.6 52.4 78.6

