

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050312.D
 Acq On : 3 Aug 2018 14:49
 Operator : MD\SY
 Sample : J4341-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DSN002-SEWER-OUTLET-002

Quant Time: Aug 03 23:51:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	118159	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	695900	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	572982	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	275391	34.29	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	114.30%
60) 4-Bromofluorobenzene	12.40	95	233021	26.47	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.23%
63) Toluene-d8	10.09	98	756807	27.65	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	92.17%

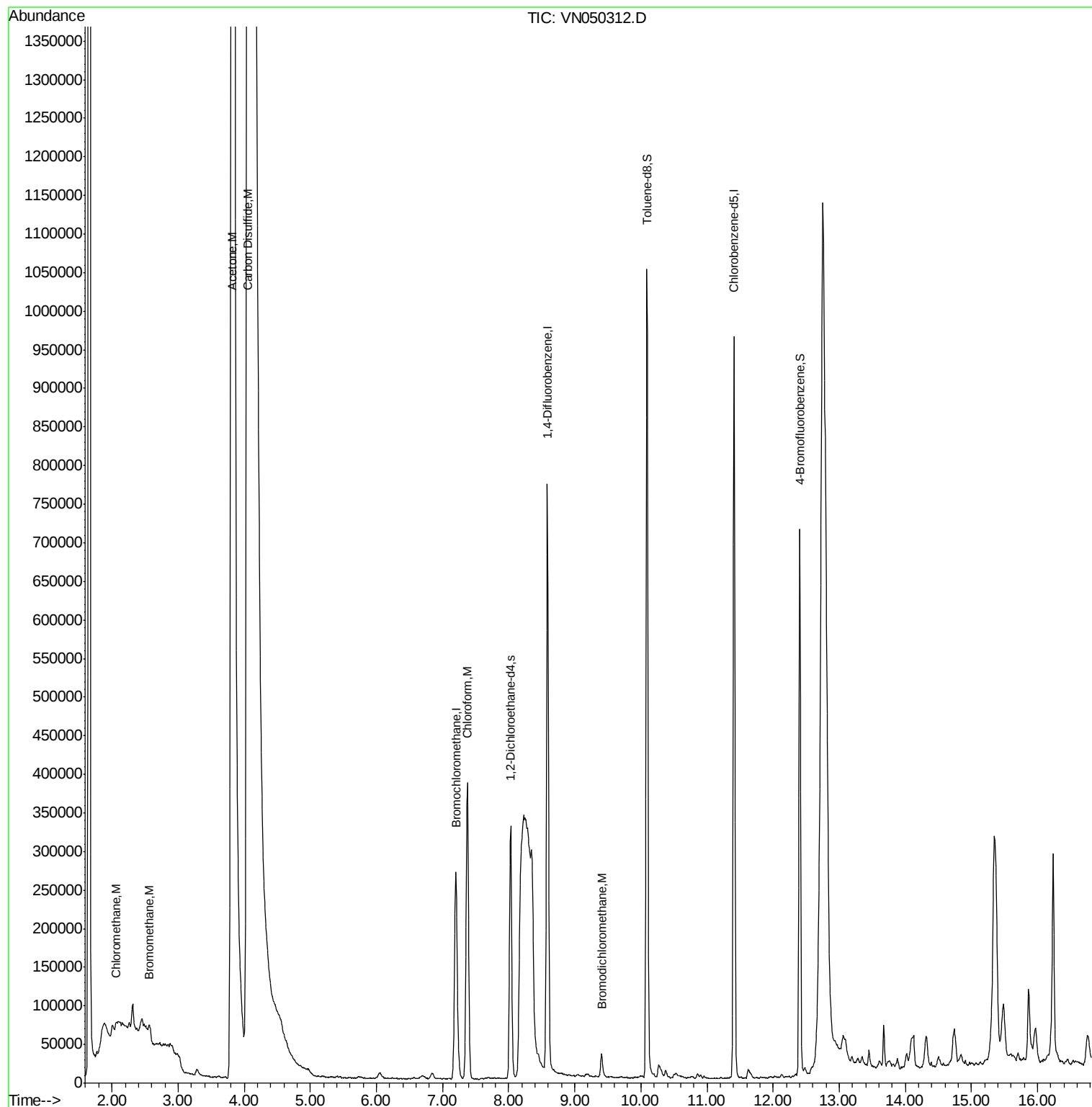
Target Compounds						Ovalue
3) Chloromethane	2.06	50	5711	0.68	ug/l	95
5) Bromomethane	2.56	94	4769	0.88	ug/l	83
15) Acetone	3.82	58	4351579	6799.68	ug/l	95
16) Carbon Disulfide	4.05	76	59377	3.08	ug/l	96
25) Chloroform	7.37	83	403339	31.06	ug/l	99
41) Bromodichloromethane	9.40	83	20557	1.82	ug/l	96

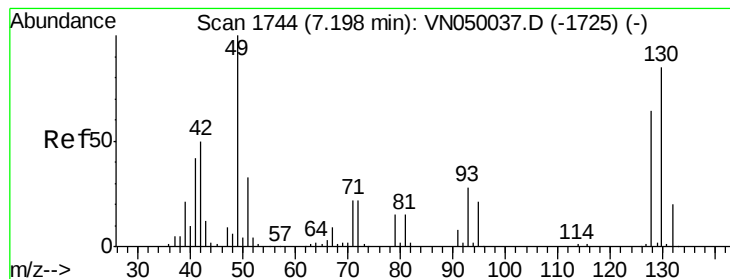
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 26 15:21:50 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN050312.D

Acq: 3 Aug 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

DSN002-SEWER-OUTLET-002

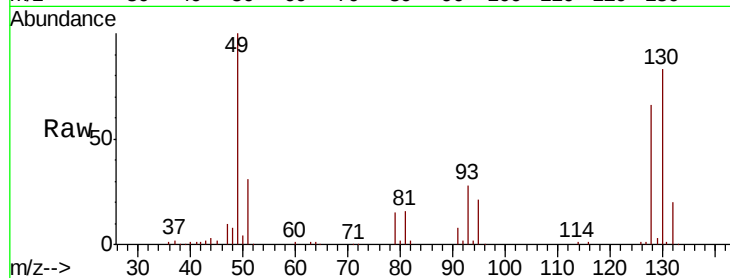
Tot Ion:128 Resp: 118159

Ion Ratio Lower Upper

128 100

49 155.0 0.0 378.3

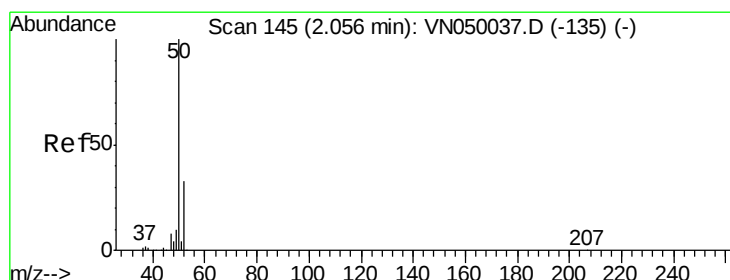
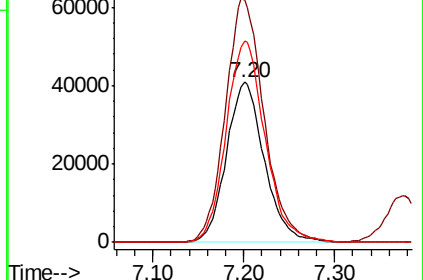
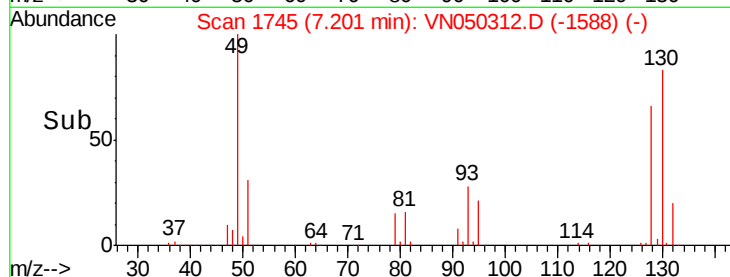
130 129.4 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#3

Chloromethane

Concen: 0.68 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050312.D

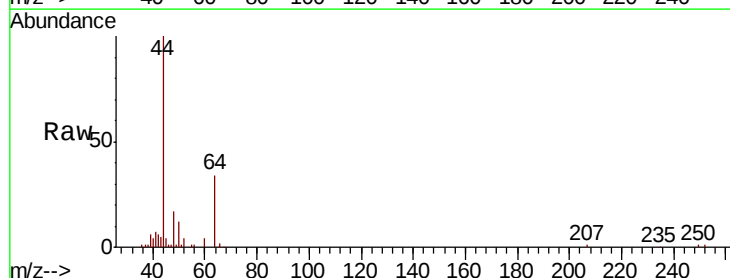
Acq: 3 Aug 2018 14:49

Tgt Ion: 50 Resp: 5711

Ion Ratio Lower Upper

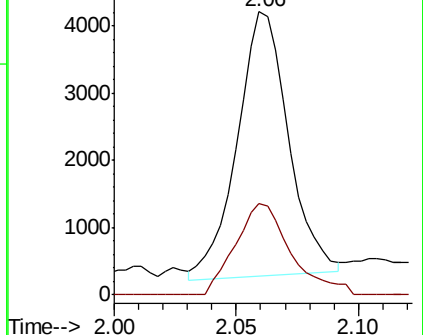
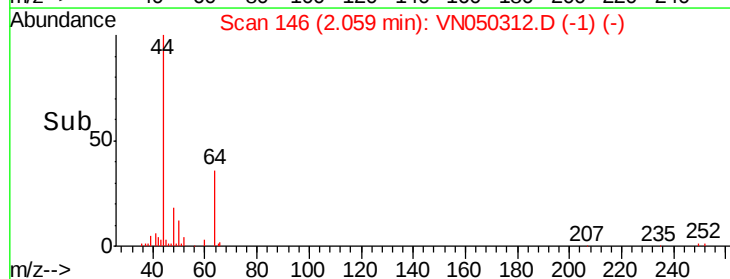
50 100

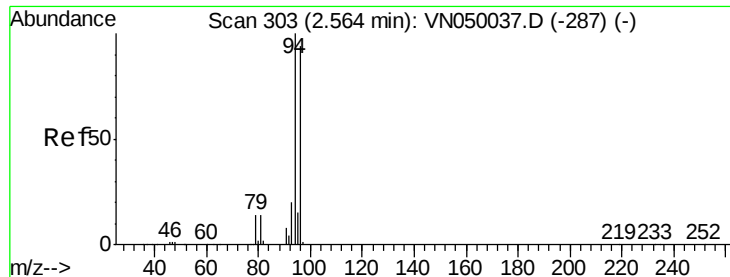
52 35.5 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VN

Ion 52.00 (51.70 to 52.70): VN





#5

Bromomethane

Concen: 0.88 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050312.D

Acq: 3 Aug 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

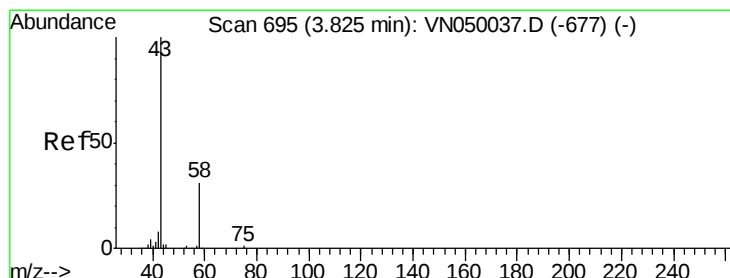
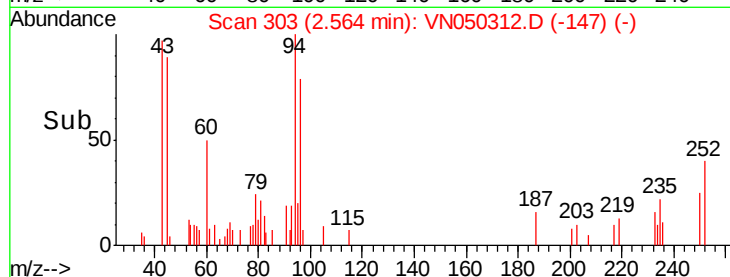
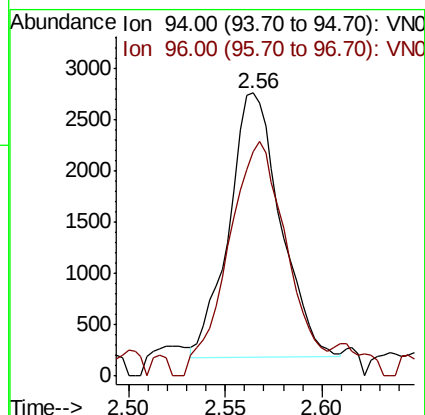
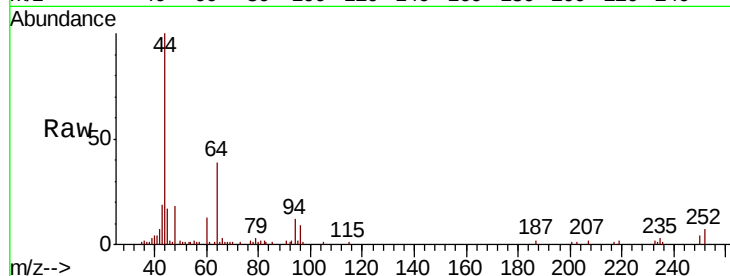
DSN002-SEWER-OUTLET-002

Tot Ion: 94 Resp: 4769

Ion Ratio Lower Upper

94 100

96 77.9 75.9 113.9



#15

Acetone

Concen: 6799.68 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050312.D

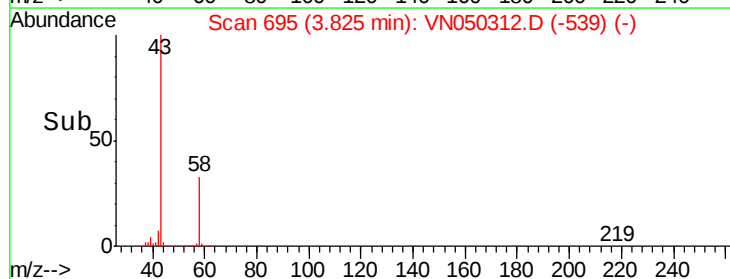
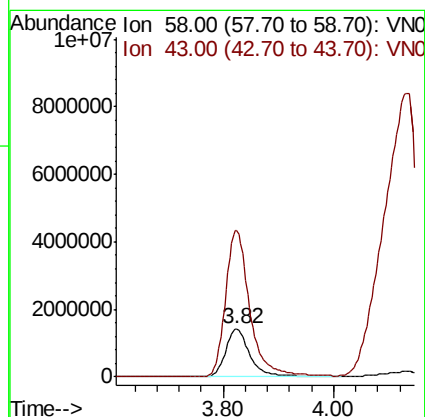
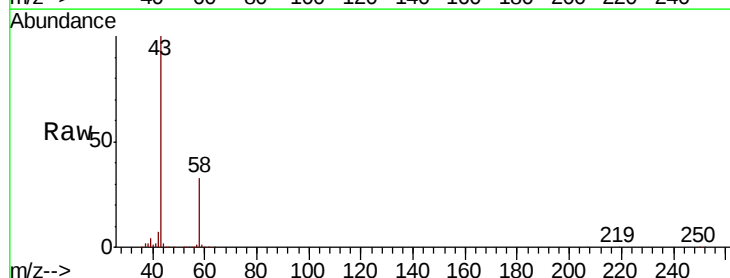
Acq: 3 Aug 2018 14:49

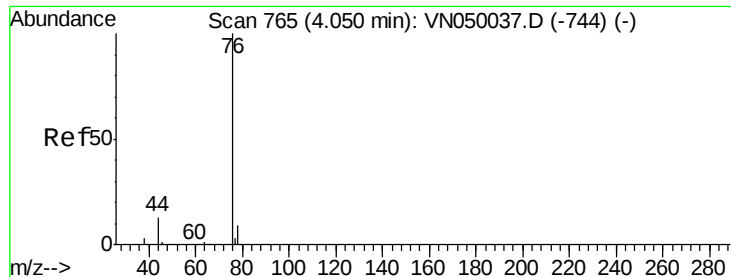
Tgt Ion: 58 Resp: 4351579

Ion Ratio Lower Upper

58 100

43 304.6 252.0 378.0

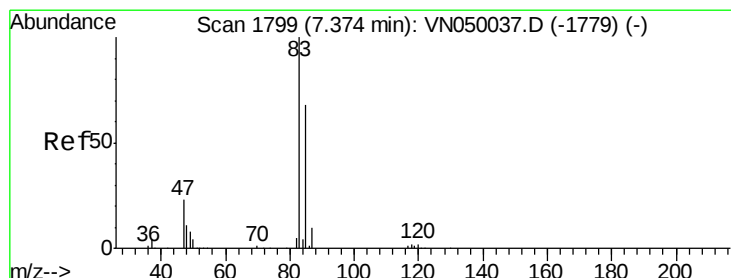
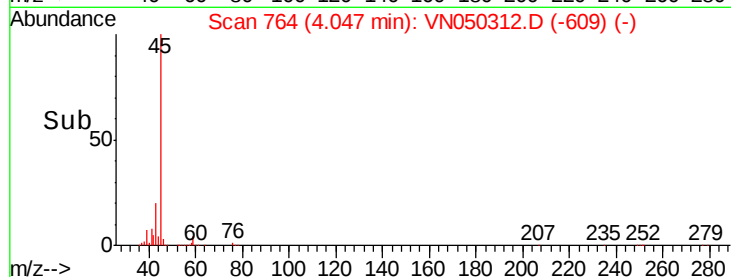
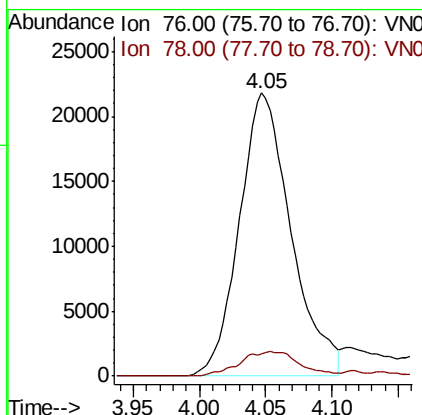
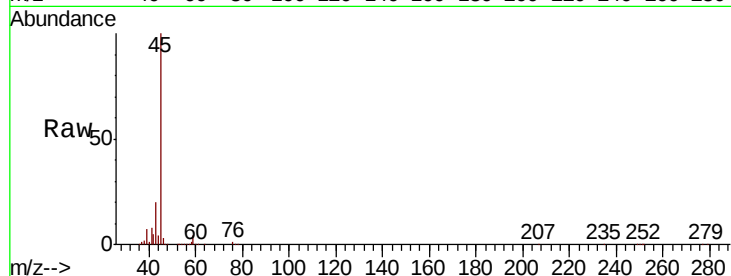




#16
Carbon Disulfide
Concen: 3.08 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN050312.D
Acq: 3 Aug 2018 14:49

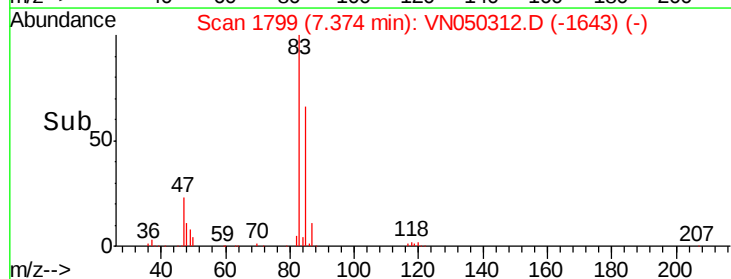
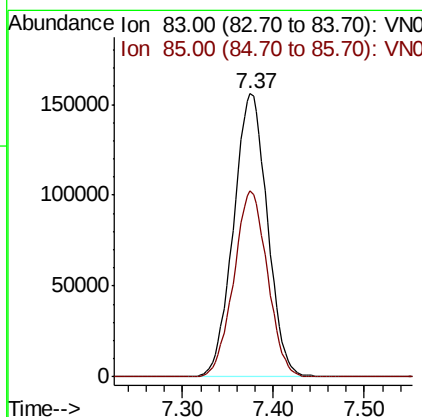
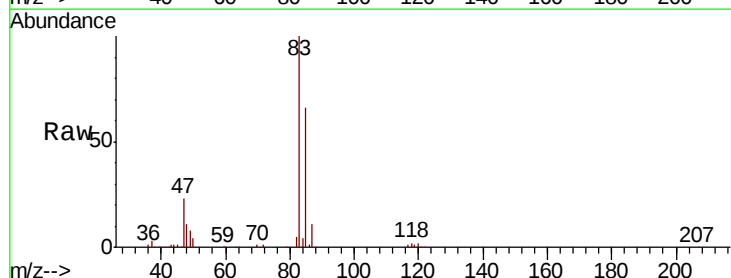
Instrument :
MSVOA_N
ClientSampleId :
DSN002-SEWER-OUTLET-002

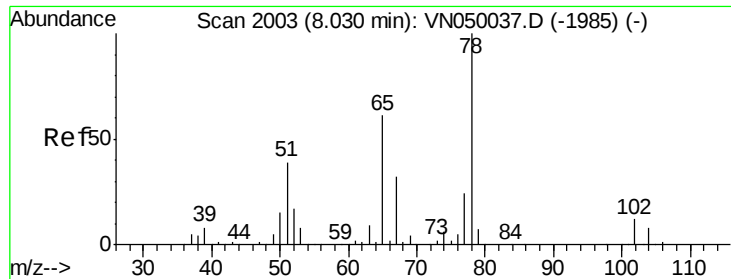
Tot Ion: 76 Resp: 59377
Ion Ratio Lower Upper
76 100
78 7.8 7.3 10.9



#25
Chloroform
Concen: 31.06 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050312.D
Acq: 3 Aug 2018 14:49

Tgt Ion: 83 Resp: 403339
Ion Ratio Lower Upper
83 100
85 65.6 52.1 78.1





#27

1,2-Dichloroethane-d4

Concen: 34.29 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050312.D

Acq: 3 Aug 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

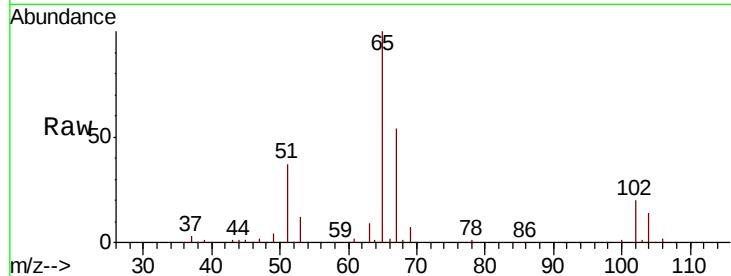
DSN002-SEWER-OUTLET-002

Tot Ion: 65 Resp: 275391

Ion Ratio Lower Upper

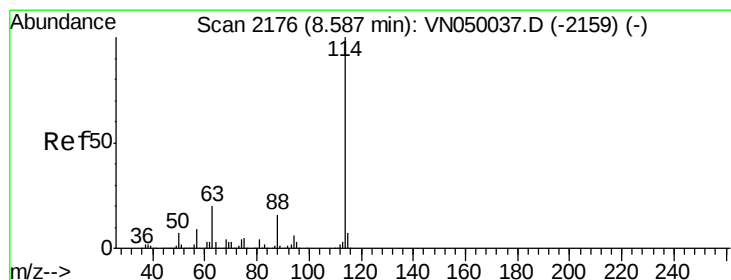
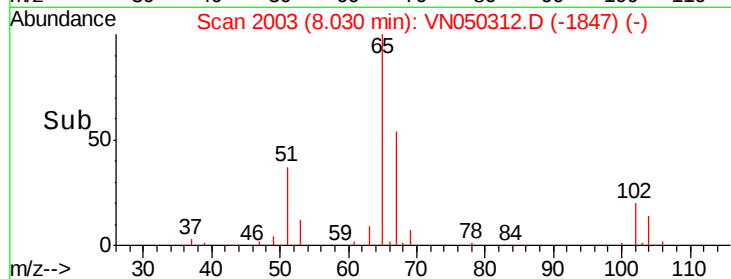
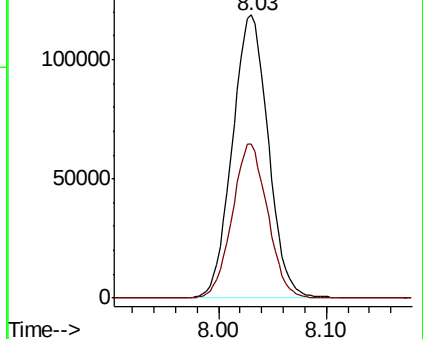
65 100

67 53.6 42.7 64.1



Abundance Ion 65.00 (64.70 to 65.70): VN050312.D (-1847) (-)

Ion 67.00 (66.70 to 67.70): VN050312.D (-1847) (-)



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN050312.D

Acq: 3 Aug 2018 14:49

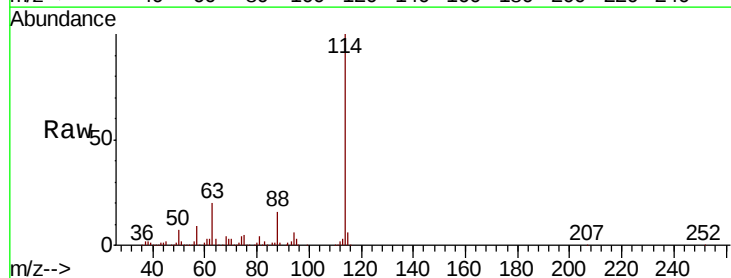
Tgt Ion: 114 Resp: 695900

Ion Ratio Lower Upper

114 100

63 19.9 16.2 24.2

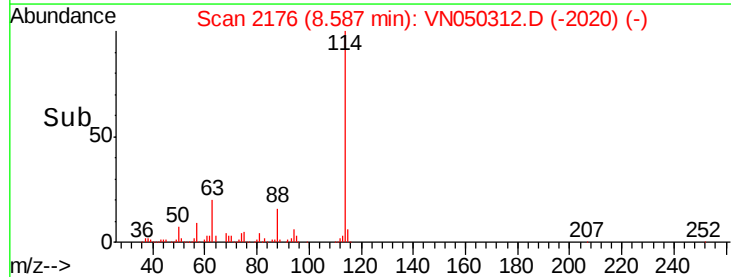
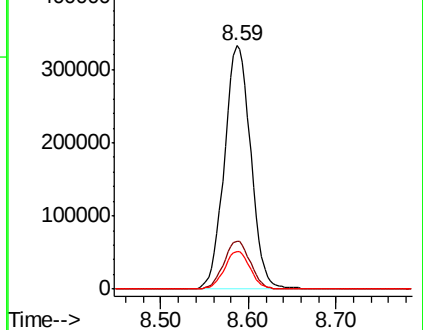
88 15.2 12.3 18.5

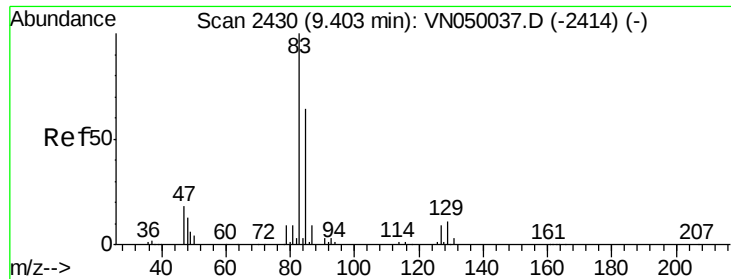


Abundance Ion 114.00 (113.70 to 114.70): VN050312.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN050312.D (-2020) (-)

Ion 88.00 (87.70 to 88.70): VN050312.D (-2020) (-)





#41

Bromodichloromethane

Concen: 1.82 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050312.D

Acq: 3 Aug 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

DSN002-SEWER-OUTLET-002

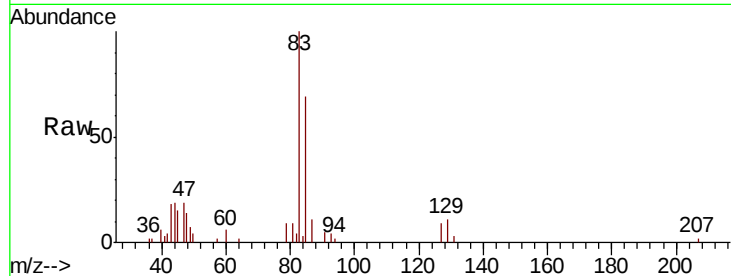
Tot Ion: 83 Resp: 20557

Ion Ratio Lower Upper

83 100

85 69.0 52.6 78.8

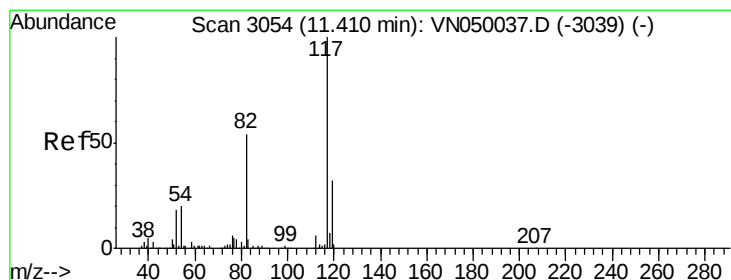
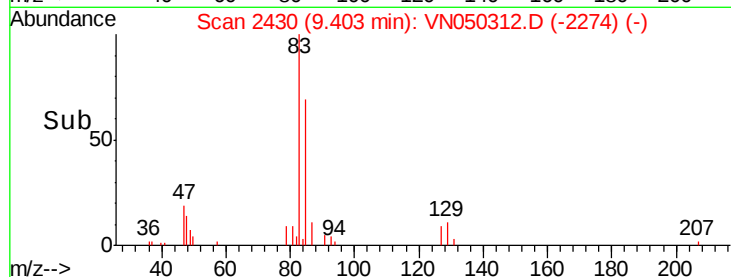
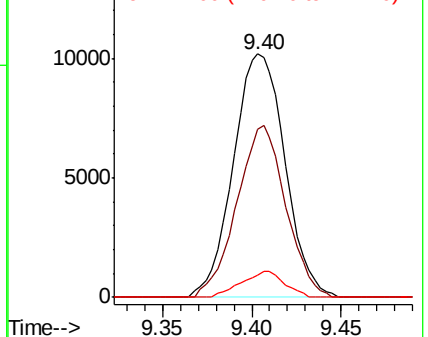
127 9.2 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN050037.D (-2414) (-)

Ion 85.00 (84.70 to 85.70): VN050037.D (-2414) (-)

Ion 127.00 (126.70 to 127.70): VN050037.D (-2414) (-)



#57

Chlorobenzene-d5

Concen: 30.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050312.D

Acq: 3 Aug 2018 14:49

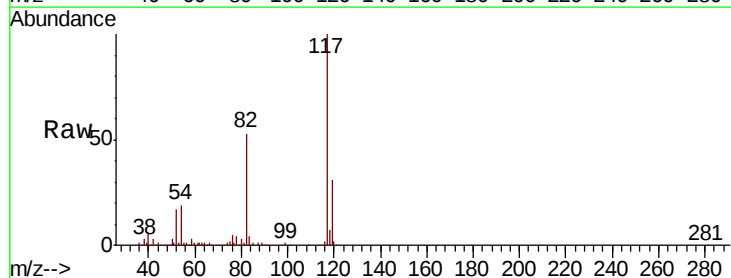
Tgt Ion: 117 Resp: 572982

Ion Ratio Lower Upper

117 100

82 53.5 42.4 63.6

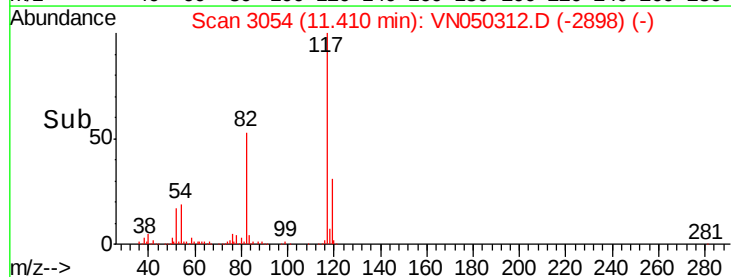
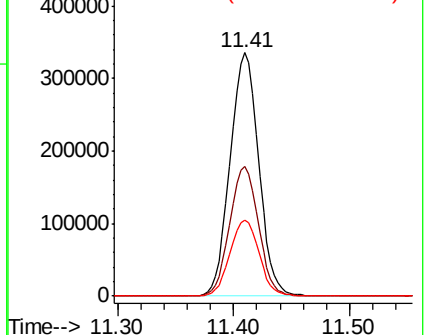
119 32.0 25.4 38.0

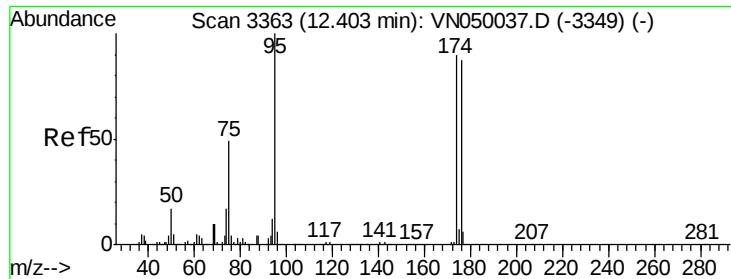


Abundance Ion 117.00 (116.70 to 117.70): VN050037.D (-3039) (-)

Ion 82.00 (81.70 to 82.70): VN050037.D (-3039) (-)

Ion 119.00 (118.70 to 119.70): VN050037.D (-3039) (-)





#60

4-Bromofluorobenzene

Concen: 26.47 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050312.D

Acq: 3 Aug 2018 14:49

Instrument :

MSVOA_N

ClientSampleId :

DSN002-SEWER-OUTLET-002

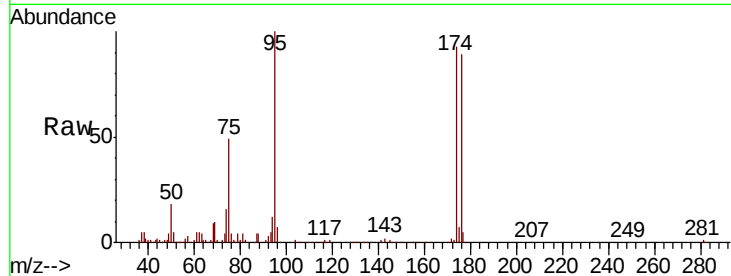
Tot Ion: 95 Resp: 233021

Ion Ratio Lower Upper

95 100

174 91.9 72.3 108.5

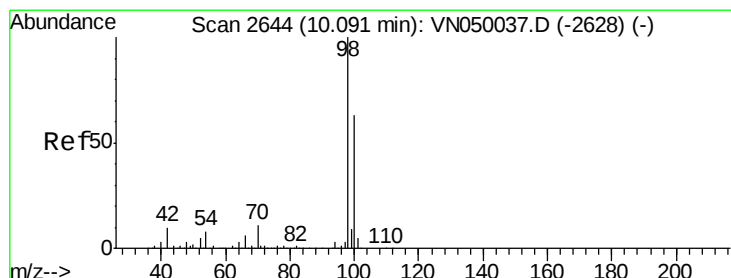
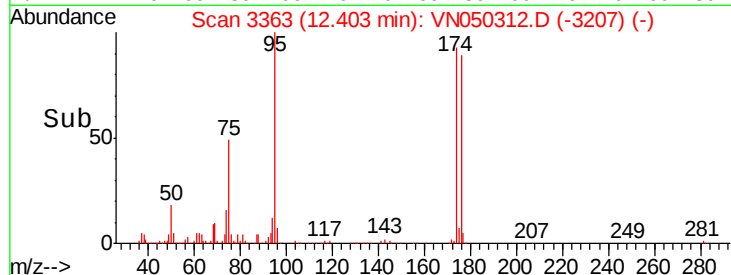
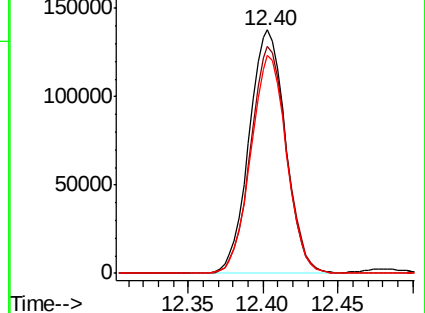
176 87.8 70.0 105.0



Abundance Ion 95.00 (94.70 to 95.70): VN050037.D (-3349) (-)

Ion 174.00 (173.70 to 174.70): VN050037.D (-3349) (-)

Ion 176.00 (175.70 to 176.70): VN050037.D (-3349) (-)



#63

Toluene-d8

Concen: 27.65 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050312.D

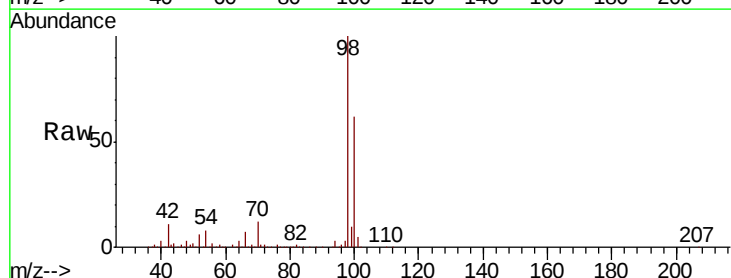
Acq: 3 Aug 2018 14:49

Tgt Ion: 98 Resp: 756807

Ion Ratio Lower Upper

98 100

100 63.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN050037.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN050037.D (-2628) (-)

