

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121418\
 Data File : VN052880.D
 Acq On : 14 Dec 2018 11:15
 Operator : MD\SY
 Sample : J6401-01 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 002-1211-SEWER-OUTFALL-002

Quant Time: Dec 15 03:07:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	167042	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	947105	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	793461	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	325588	28.61	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.37%
60) 4-Bromofluorobenzene	12.40	95	336386	27.73	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.43%
63) Toluene-d8	10.09	98	1084931	29.49	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.30%

Target Compounds

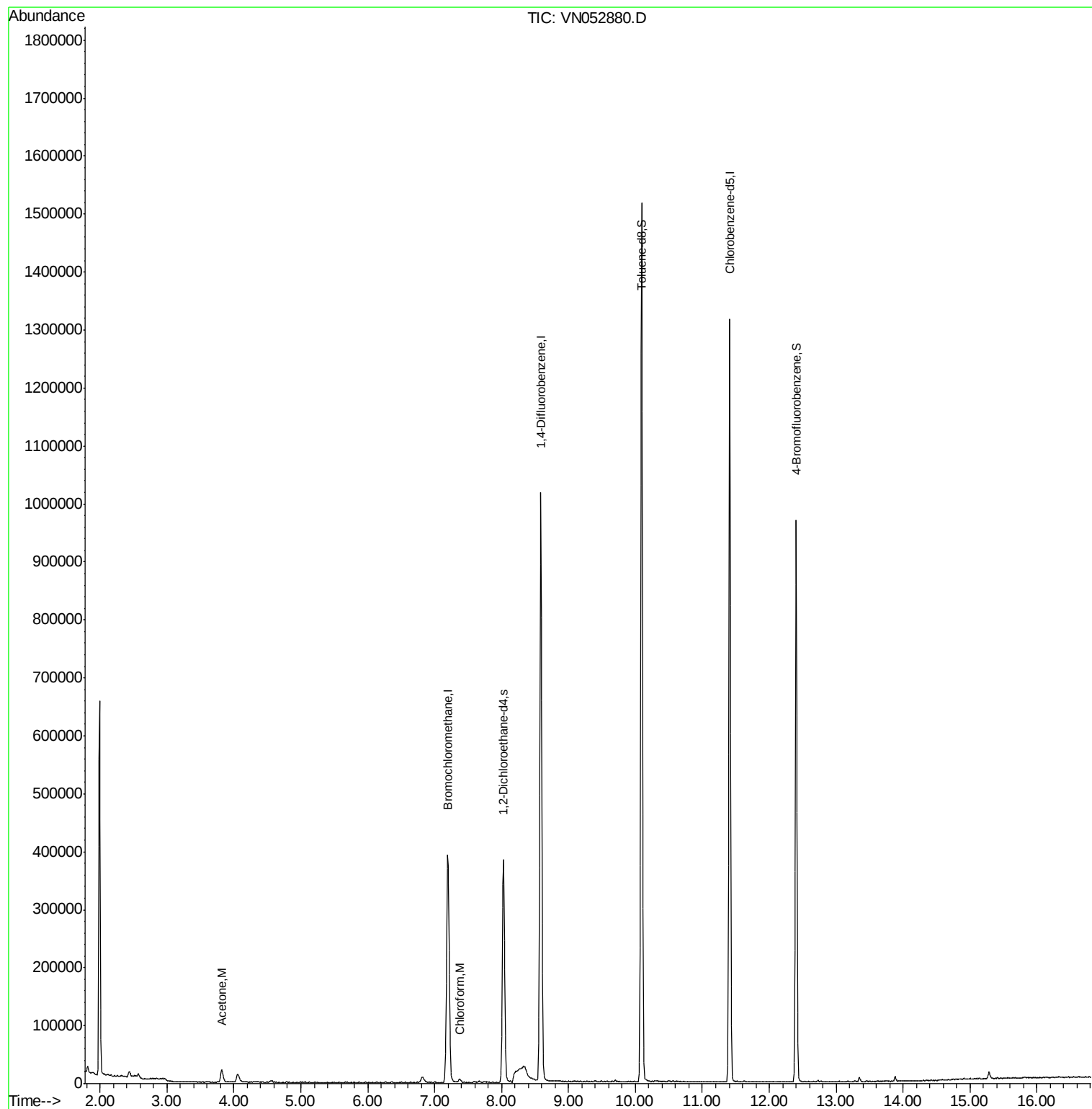
					Ovalue
15) Acetone	3.82	58	12343	14.054	ug/l 80
25) Chloroform	7.37	83	6207	0.329	ug/l # 78

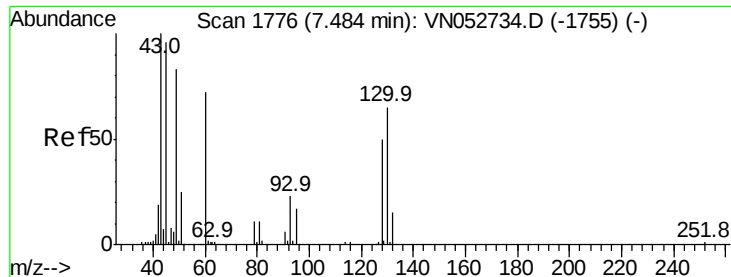
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052880.D

Acq: 14 Dec 2018 11:15

Instrument :

MSVOA_N

ClientSampleId :

002-1211-SEWER-OUTFALL-002

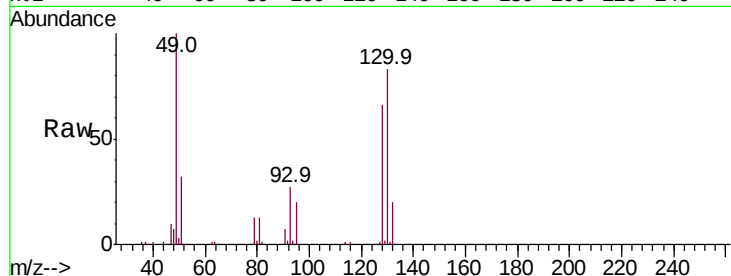
Tot Ion:128 Resp: 167042

Ion Ratio Lower Upper

128 100

49 153.6 0.0 431.8

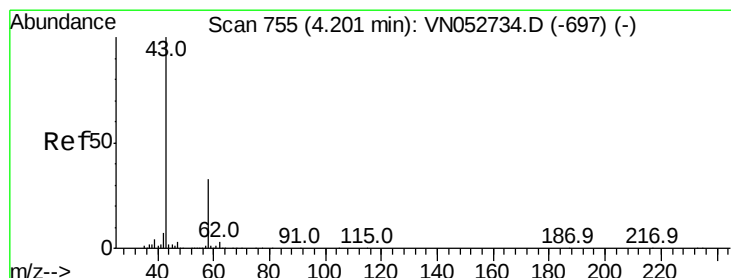
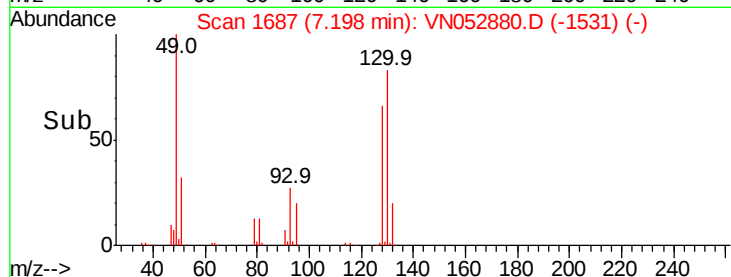
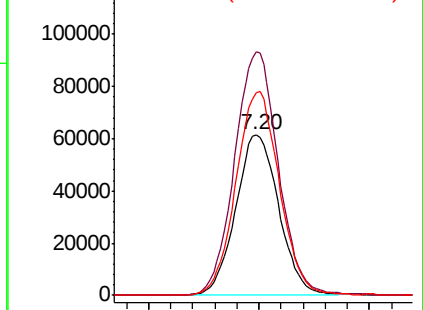
130 128.1 0.0 317.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): V

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 14.054 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN052880.D

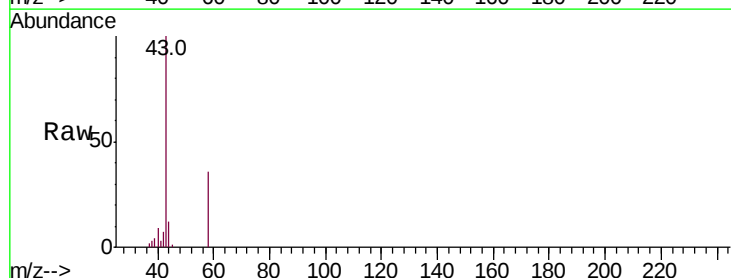
Acq: 14 Dec 2018 11:15

Tgt Ion: 58 Resp: 12343

Ion Ratio Lower Upper

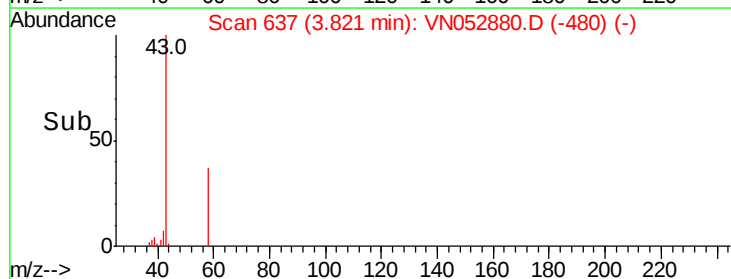
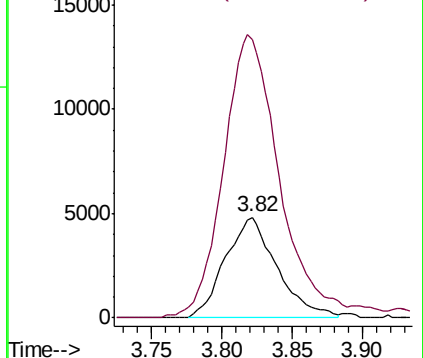
58 100

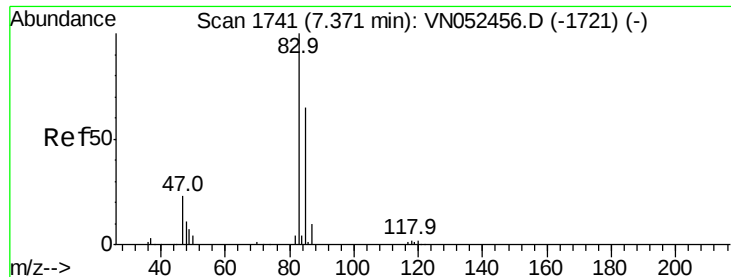
43 265.7 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): V

Ion 43.00 (42.70 to 43.70): V





#25

Chloroform

Concen: 0.329 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN052880.D

Acq: 14 Dec 2018 11:15

Instrument :

MSVOA_N

ClientSampleId :

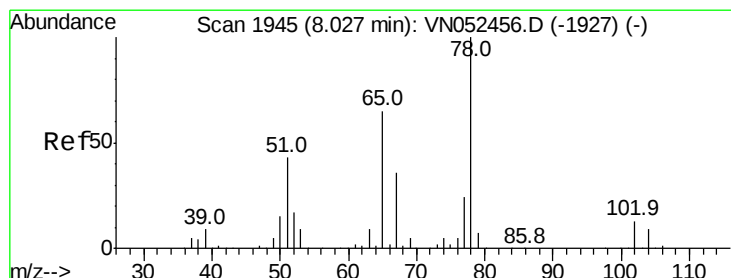
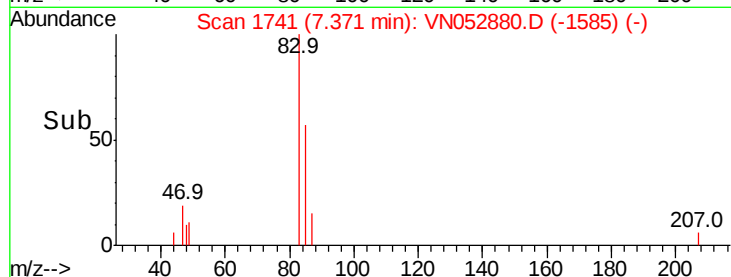
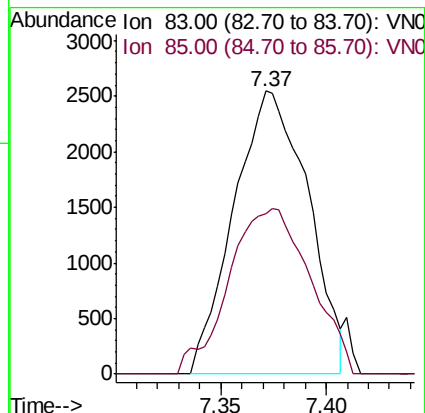
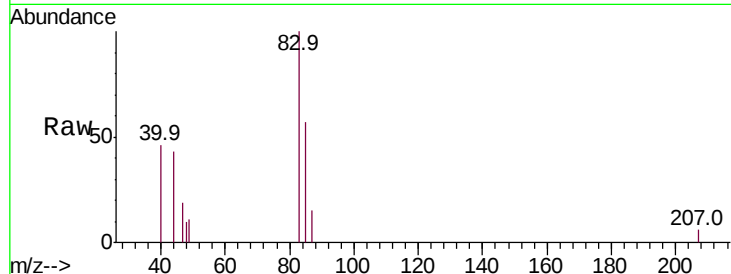
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Tot Ion: 83 Resp: 6207

Ion Ratio Lower Upper

83 100

85 47.4 51.7 77.5#



#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052880.D

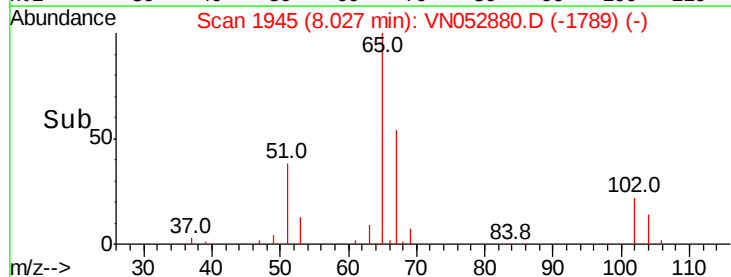
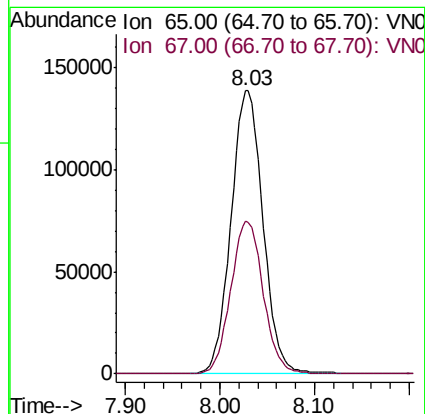
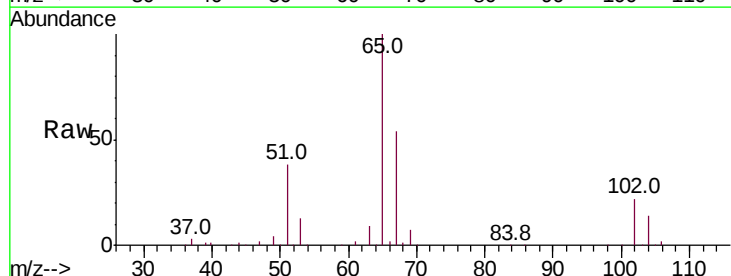
Acq: 14 Dec 2018 11:15

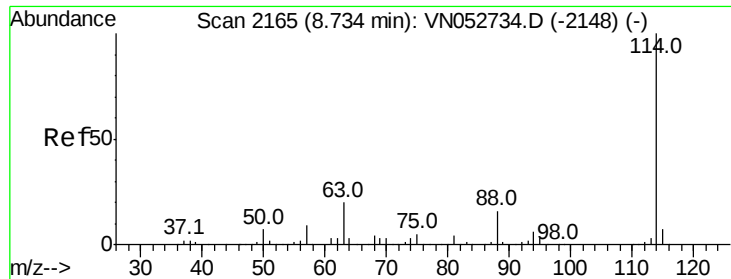
Tgt Ion: 65 Resp: 325588

Ion Ratio Lower Upper

65 100

67 54.6 44.6 66.8

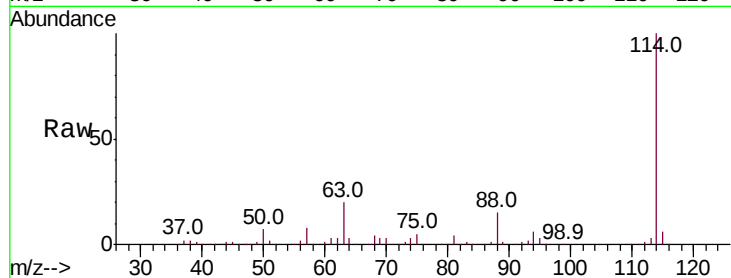




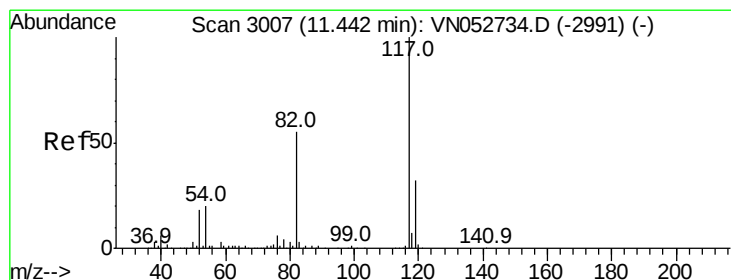
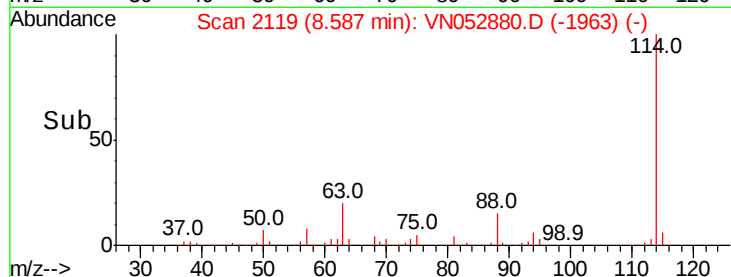
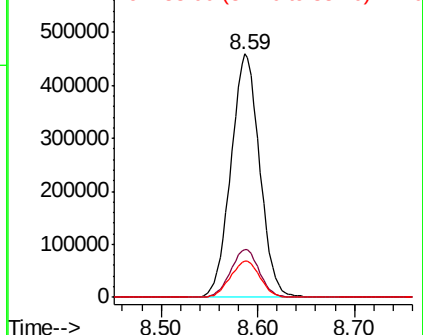
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052880.D
 Acq: 14 Dec 2018 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 002-1211-SEWER-OUTFALL-002

Tot Ion:114 Resp: 947105
 Ion Ratio Lower Upper
 114 100
 63 19.7 16.9 25.3
 88 15.4 12.8 19.2

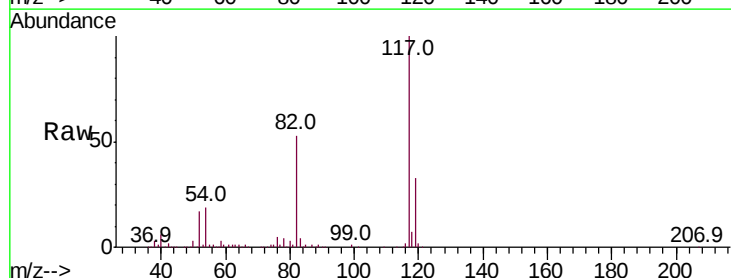


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 88.00 (87.70 to 88.70): VN

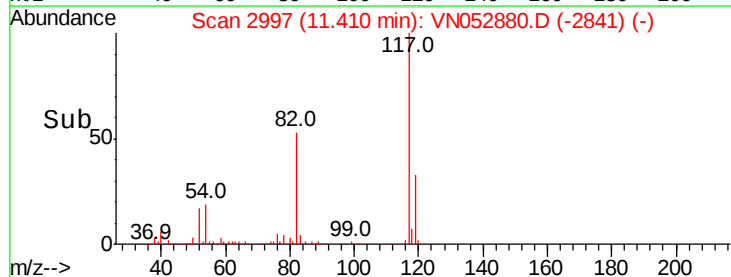
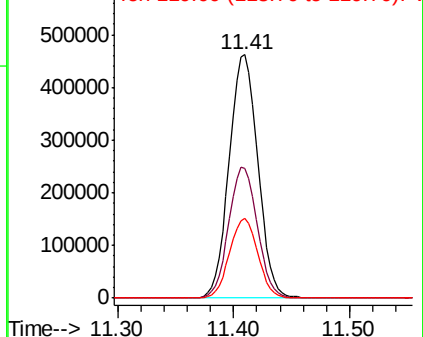


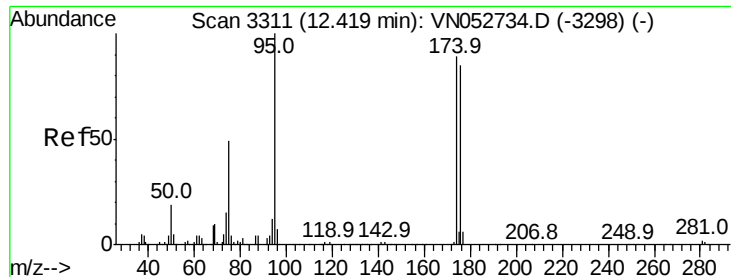
#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2997
 Delta R.T. 0.00 min
 Lab File: VN052880.D
 Acq: 14 Dec 2018 11:15

Tgt Ion:117 Resp: 793461
 Ion Ratio Lower Upper
 117 100
 82 53.7 44.2 66.2
 119 32.5 25.4 38.2



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 82.00 (81.70 to 82.70): VN
 Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052880.D

Acq: 14 Dec 2018 11:15

Instrument :

MSVOA_N

ClientSampleId :

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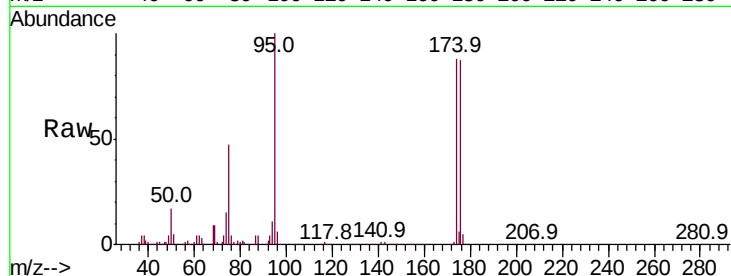
Tot Ion: 95 Resp: 336386

Ion Ratio Lower Upper

95 100

174 89.9 67.9 101.9

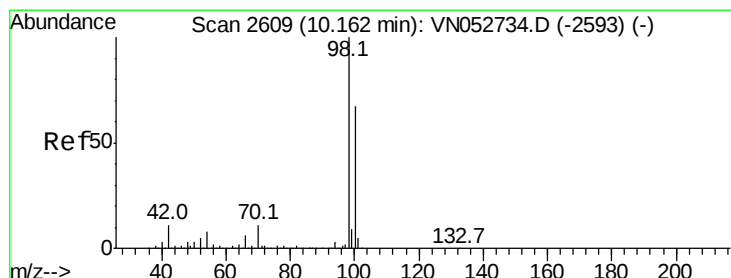
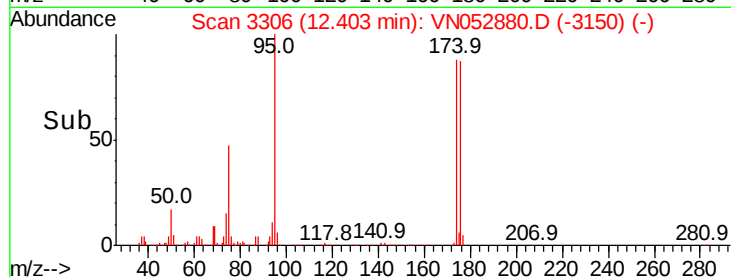
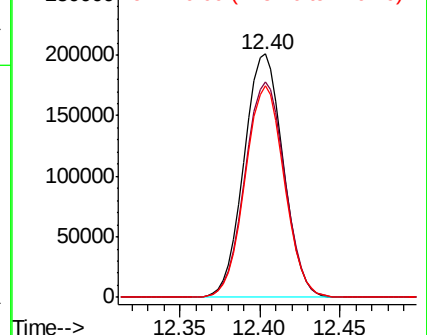
176 86.7 66.4 99.6



Abundance Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): VN

Ion 176.00 (175.70 to 176.70): VN



#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052880.D

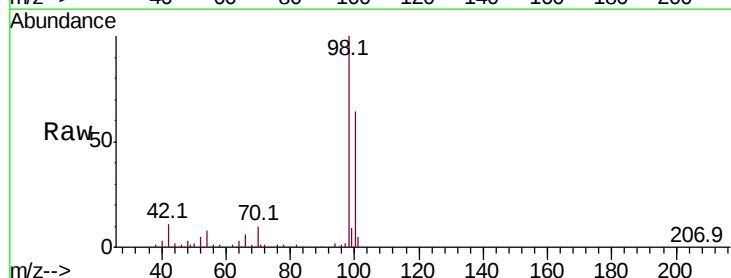
Acq: 14 Dec 2018 11:15

Tgt Ion: 98 Resp: 1084931

Ion Ratio Lower Upper

98 100

100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

