

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058010.D
 Acq On : 13 Sep 2019 12:02
 Operator : JC/SP
 Sample : K4823-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WGGM-19-WW-TSF-036

Quant Time: Sep 14 02:06:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	71400	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	423704	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	353372	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.01	65	199249	31.55	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.17%
60) 4-Bromofluorobenzene	12.40	95	166134	27.47	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.57%
63) Toluene-d8	10.09	98	524235	30.91	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.03%

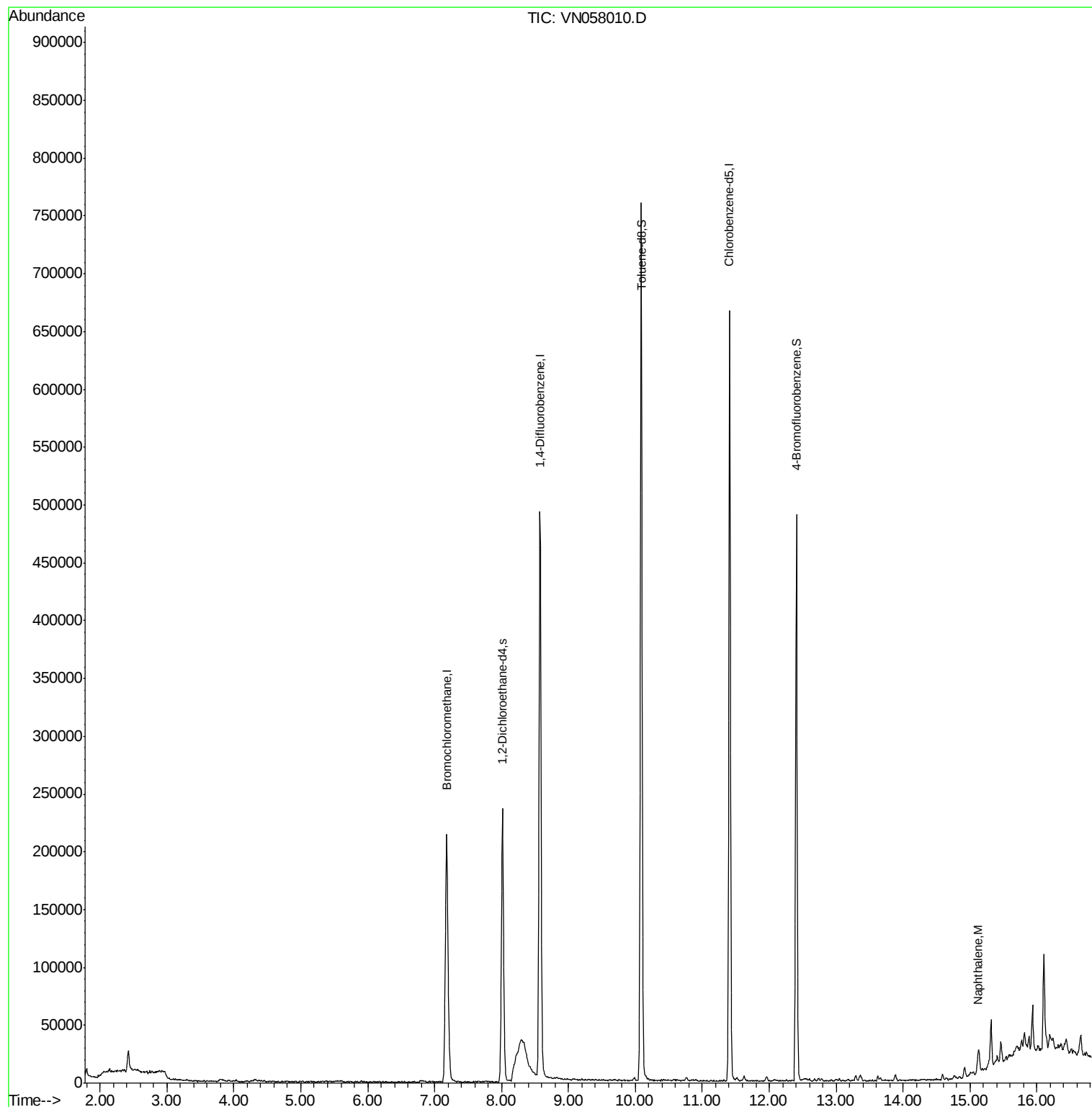
Target Compounds					Ovalue
91) Naphthalene	15.14	128	14425	0.941 ug/l	97

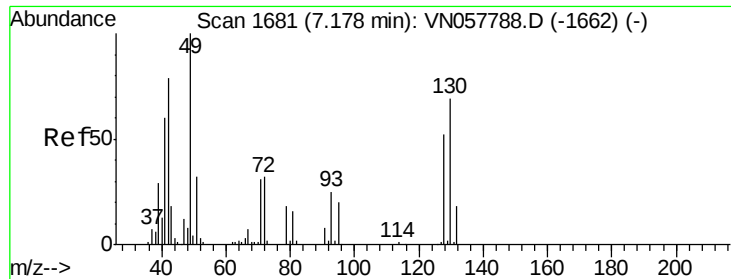
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058010.D

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Instrument :

MSVOA_N

ClientSampleId :

WGGM-19-WW-TSF-036

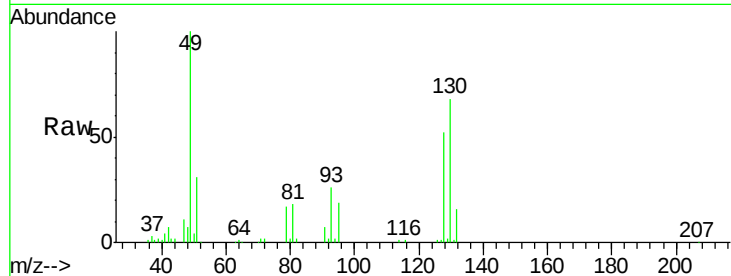
Tot Ion:128 Resp: 71400

Ion Ratio Lower Upper

128 100

49 188.5 0.0 486.5

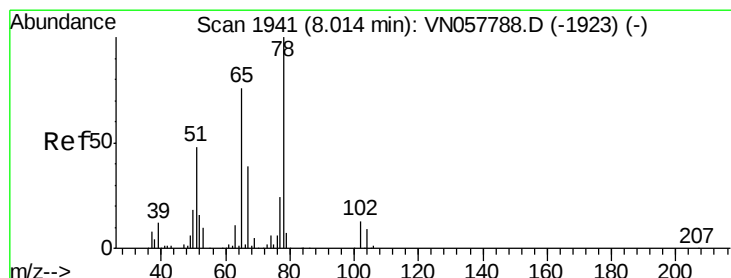
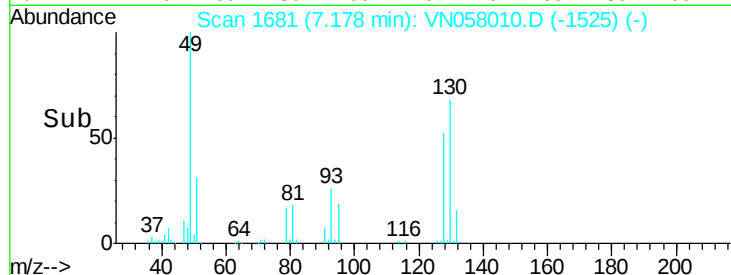
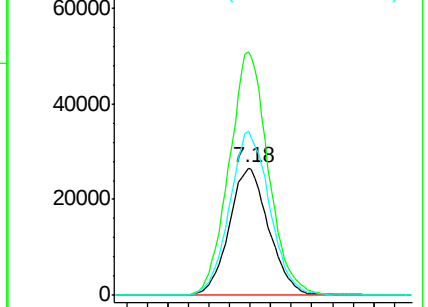
130 130.0 0.0 324.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#27

1,2-Dichloroethane-d4

Concen: 31.548 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058010.D

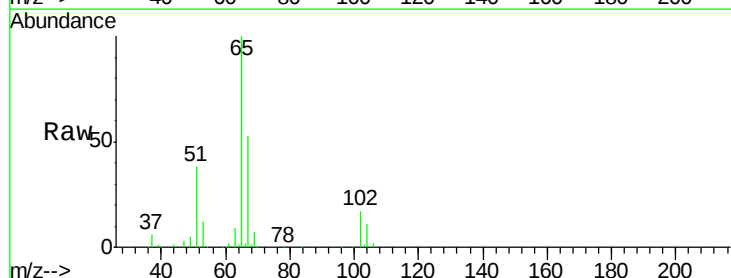
Acq: 13 Sep 2019 12:02

Tgt Ion: 65 Resp: 199249

Ion Ratio Lower Upper

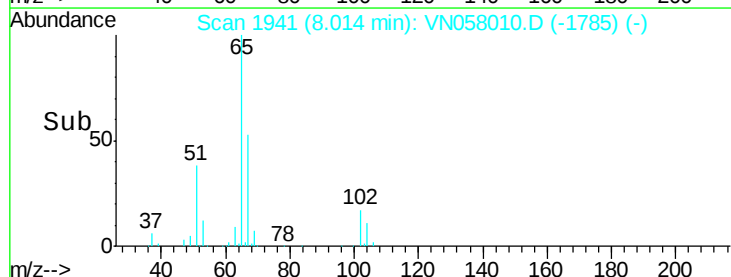
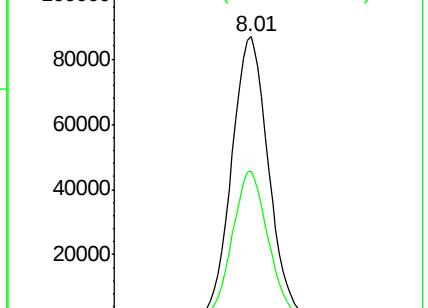
65 100

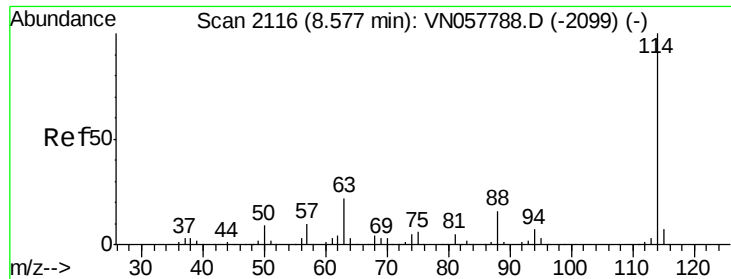
67 51.9 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

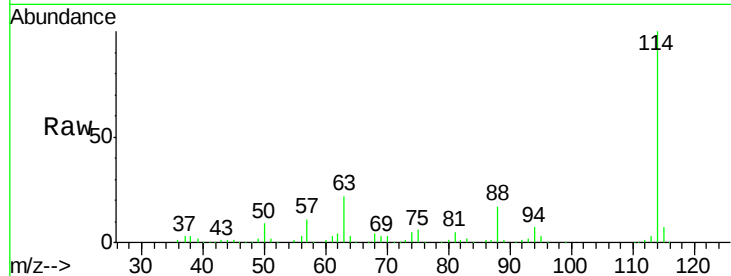




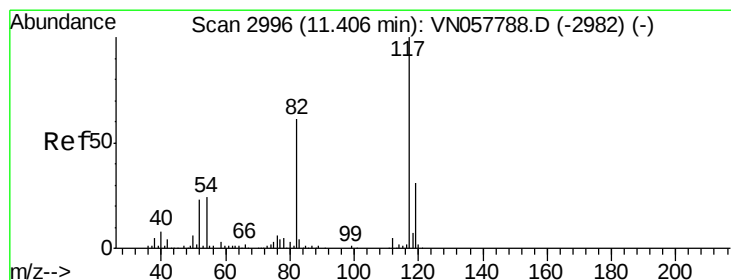
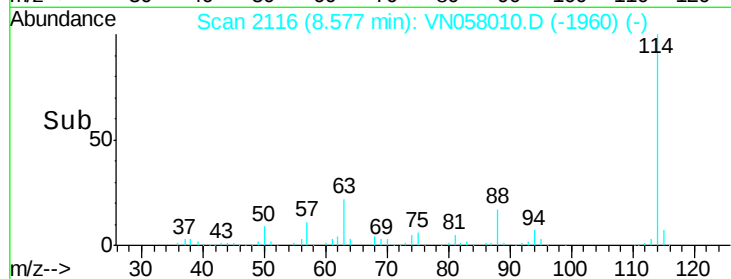
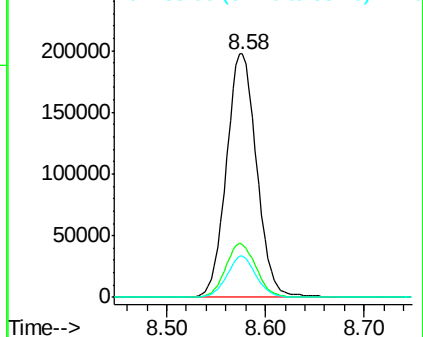
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058010.D
 Acq: 13 Sep 2019 12:02

Instrument :
 MSVOA_N
 ClientSampleId :
 WGM-19-WW-TSF-036

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.3	18.0	27.0
88	16.3	12.6	19.0

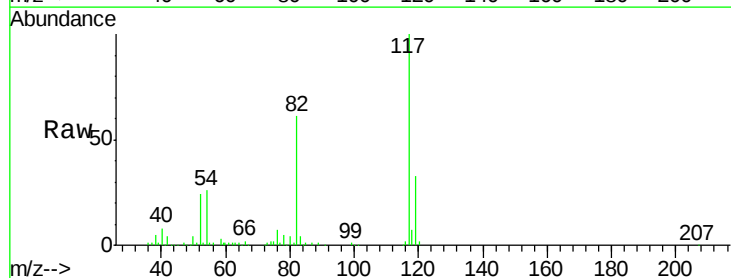


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 88.00 (87.70 to 88.70): V

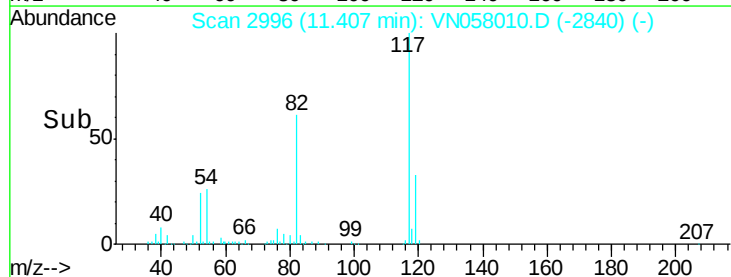
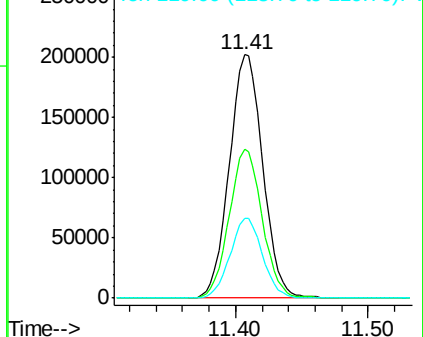


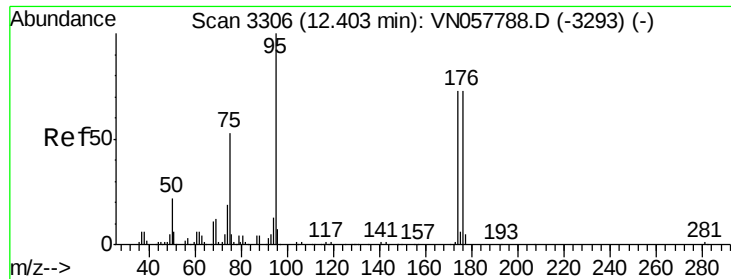
#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN058010.D
 Acq: 13 Sep 2019 12:02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.4	47.6	71.4
119	31.9	25.4	38.2



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





#60

4-Bromofluorobenzene

Concen: 27.474 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058010.D

Acq: 13 Sep 2019 12:02

Instrument :

MSVOA_N

ClientSampleId :

WGGM-19-WW-TSF-036

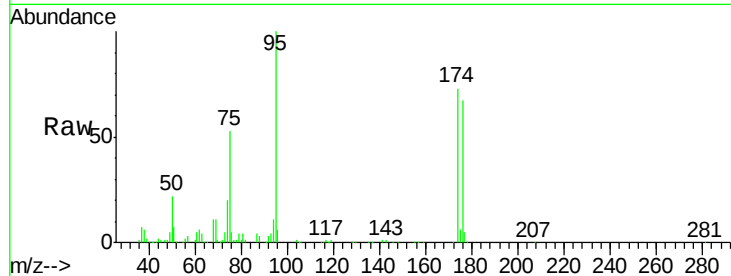
Tot Ion: 95 Resp: 166134

Ion Ratio Lower Upper

95 100

174 74.9 59.4 89.0

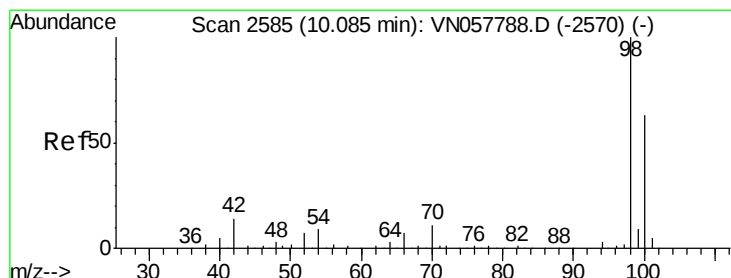
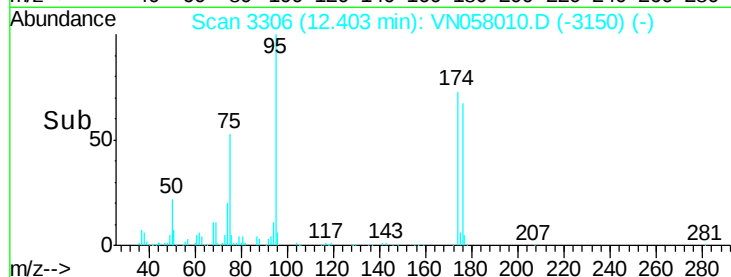
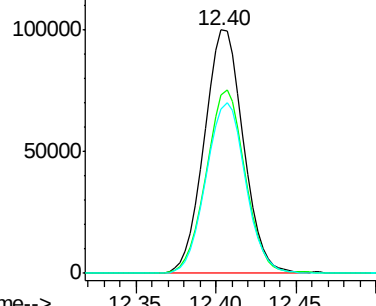
176 70.8 57.4 86.0



Abundance Ion 95.00 (94.70 to 95.70): VN057788.D (-3293) (-)

Ion 174.00 (173.70 to 174.70): VN057788.D (-3293) (-)

Ion 176.00 (175.70 to 176.70): VN057788.D (-3293) (-)



#63

Toluene-d8

Concen: 30.908 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN058010.D

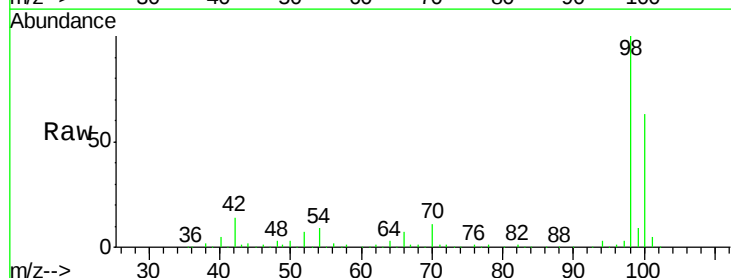
Acq: 13 Sep 2019 12:02

Tgt Ion: 98 Resp: 524235

Ion Ratio Lower Upper

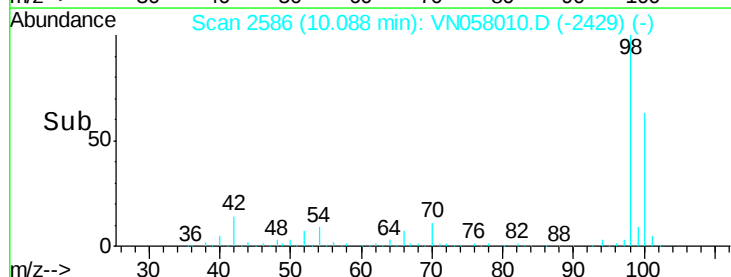
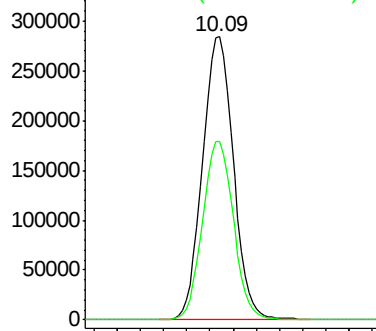
98 100

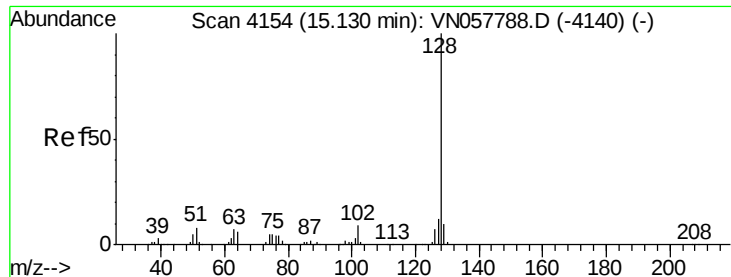
100 62.9 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN057788.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN057788.D (-2570) (-)





#91

Naphthalene

Concen: 0.941 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN058010.D

Acq: 13 Sep 2019 12:02

Instrument :

MSVOA_N

ClientSampleId :

WGGM-19-WW-TSF-036

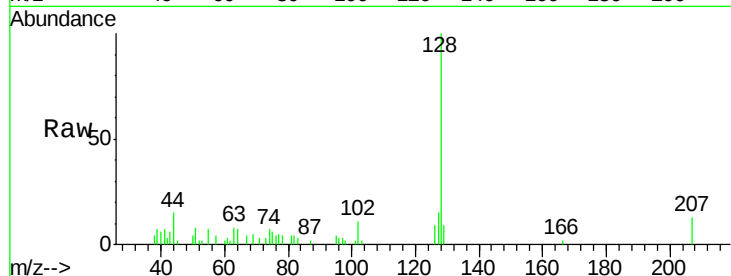
Tot Ion:128 Resp: 14425

Ion Ratio Lower Upper

128 100

127 14.5 9.9 14.9

129 10.2 8.1 12.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

