

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072419\
 Data File : VN056898.D
 Acq On : 24 Jul 2019 1:06
 Operator : JC/SP
 Sample : K3908-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PWU-3

Quant Time: Jul 24 04:13:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 03:39:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	54883	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	283101	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	220427	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	109147	30.39	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.30%
60) 4-Bromofluorobenzene	12.40	95	71469	21.63	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	72.10%
63) Toluene-d8	10.09	98	336172	32.29	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	107.63%

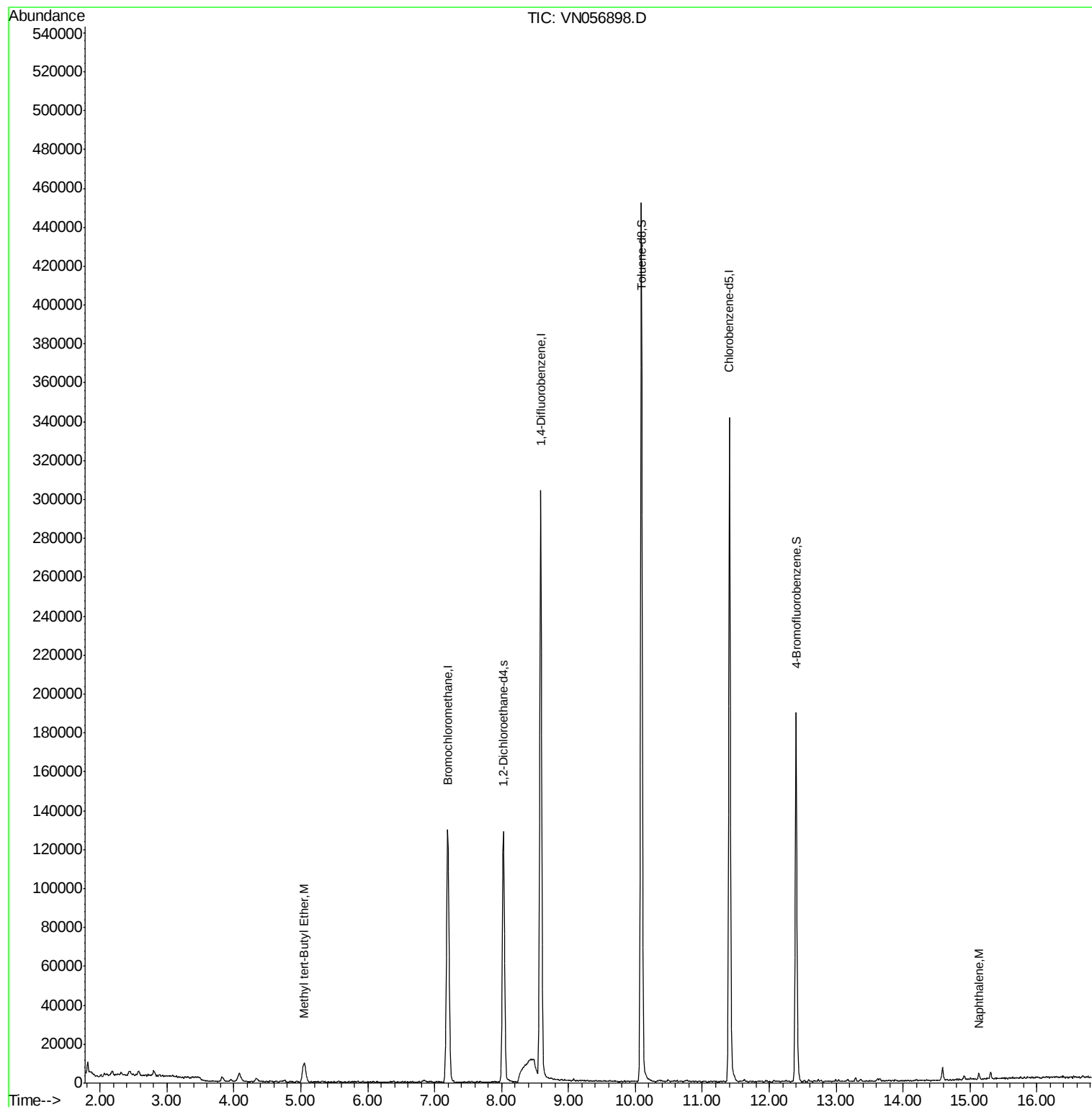
Target Compounds					Ovalue
24) Methyl tert-Butyl Ether	5.05	73	16756	1.892 ug/l #	75
91) Naphthalene	15.13	128	3195	8.058 ug/l #	91

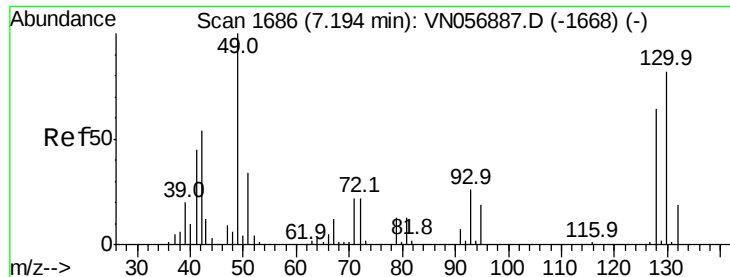
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056898.D

Acq: 24 Jul 2019 1:06

Instrument :

MSVOA_N

ClientSampled :

PWU-3

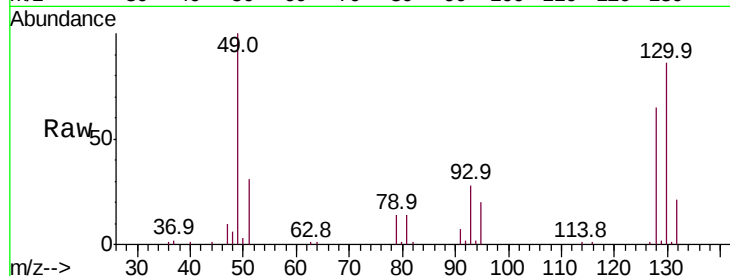
Tot Ion:128 Resp: 54883

Ion Ratio Lower Upper

128 100

49 153.1 0.0 385.8

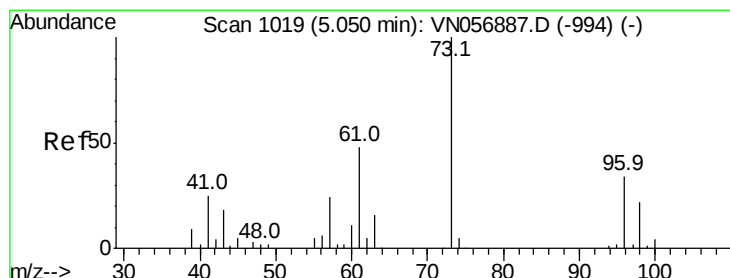
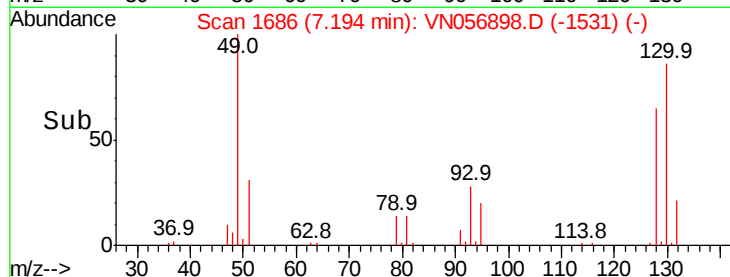
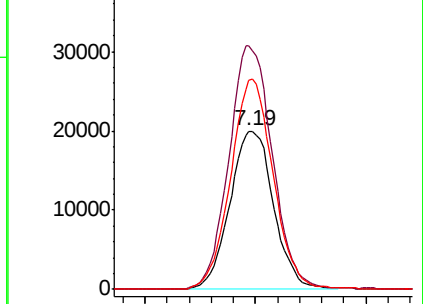
130 129.4 0.0 322.5



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



#24

Methyl tert-Butyl Ether

Concen: 1.892 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VN056898.D

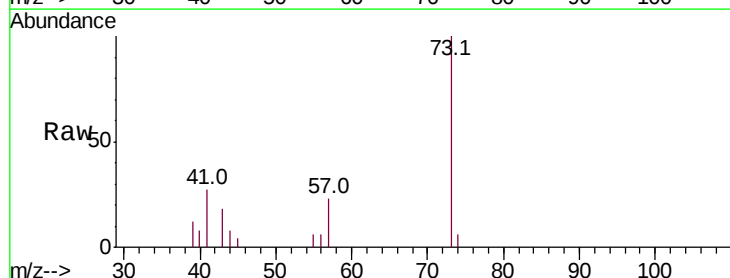
Acq: 24 Jul 2019 1:06

Tgt Ion: 73 Resp: 16756

Ion Ratio Lower Upper

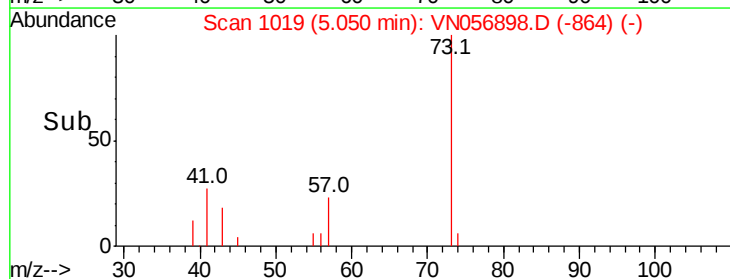
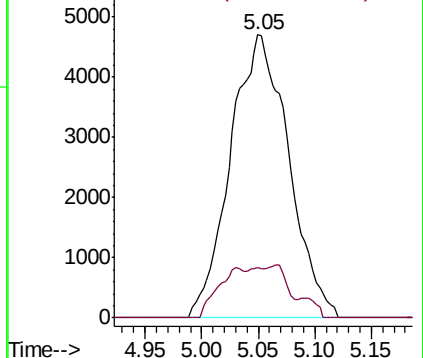
73 100

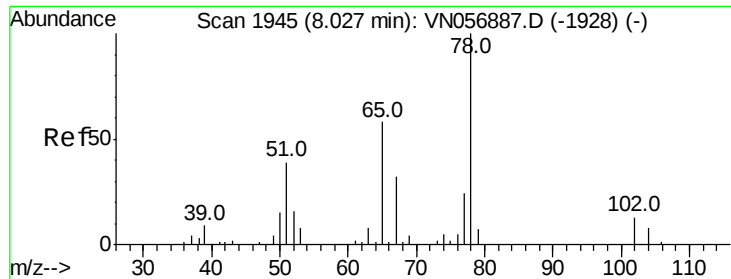
43 7.9 15.4 23.0#



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





#27

1,2-Dichloroethane-d4

Concen: 30.388 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN056898.D

Acq: 24 Jul 2019 1:06

Instrument :

MSVOA_N

ClientSampled :

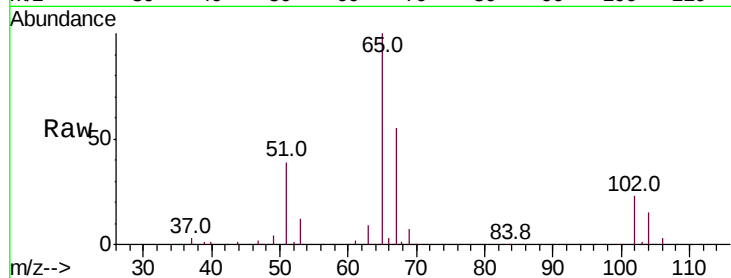
PWU-3

Tot Ion: 65 Resp: 109147

Ion Ratio Lower Upper

65 100

67 56.1 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN056898.D (-1928) (-)

Ion 67.00 (66.70 to 67.70): VN056898.D (-1928) (-)

8.03

50000

40000

30000

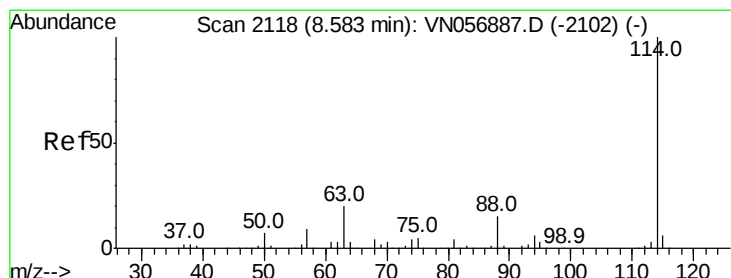
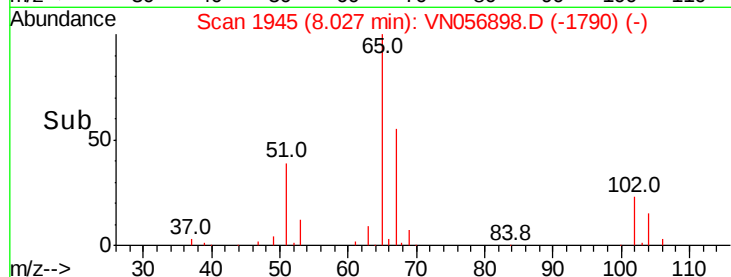
20000

10000

0

7.95 8.00 8.05 8.10 8.15

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056898.D

Acq: 24 Jul 2019 1:06

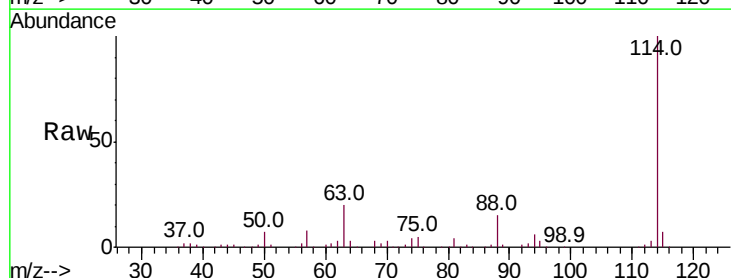
Tgt Ion: 114 Resp: 283101

Ion Ratio Lower Upper

114 100

63 19.8 15.8 23.6

88 15.7 12.5 18.7



Abundance Ion 114.00 (113.70 to 114.70): VN056898.D (-1963) (-)

Ion 63.00 (62.70 to 63.70): VN056898.D (-1963) (-)

Ion 88.00 (87.70 to 88.70): VN056898.D (-1963) (-)

8.59

150000

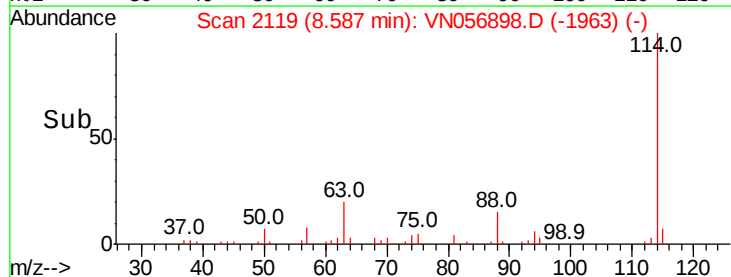
100000

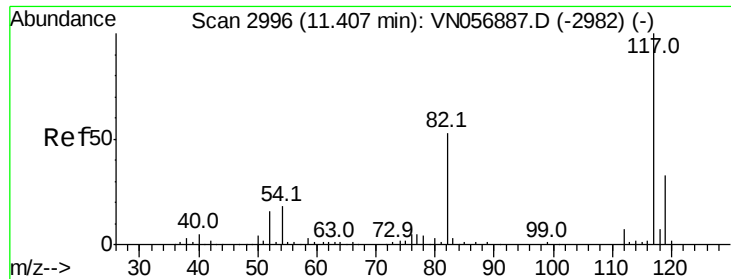
50000

0

8.50 8.55 8.60 8.65

Time-->

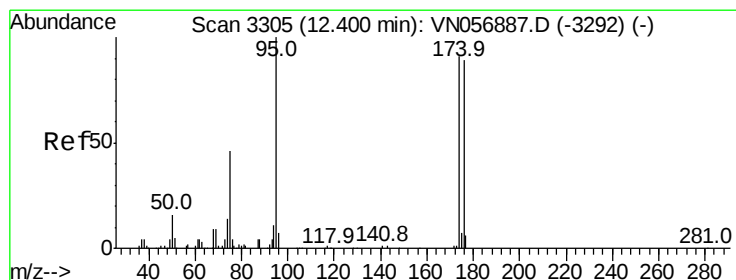
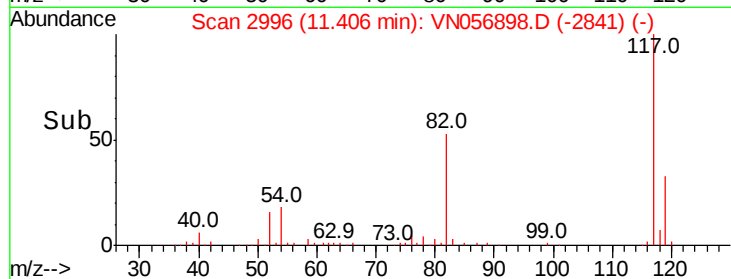
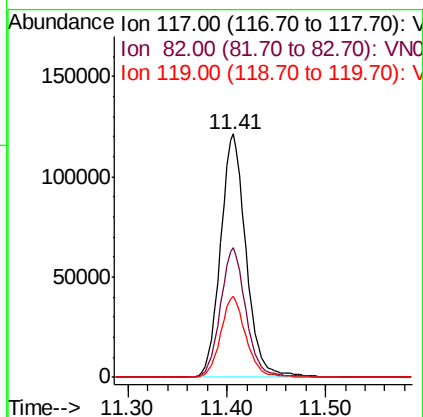
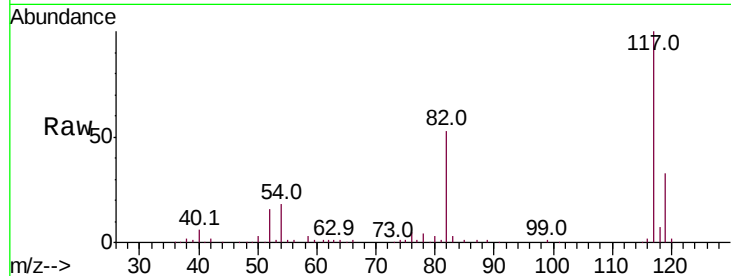




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056898.D
Acq: 24 Jul 2019 1:06

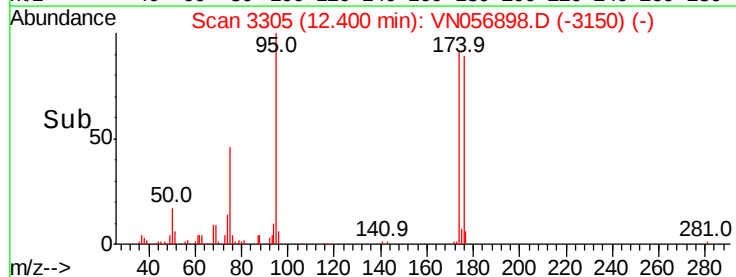
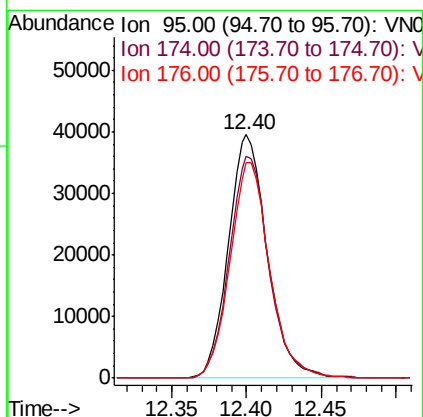
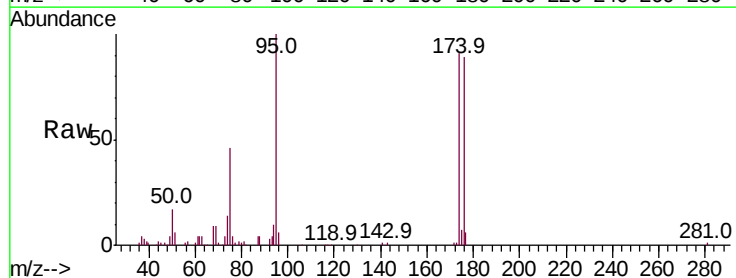
Instrument :
MSVOA_N
ClientSampleId :
PWU-3

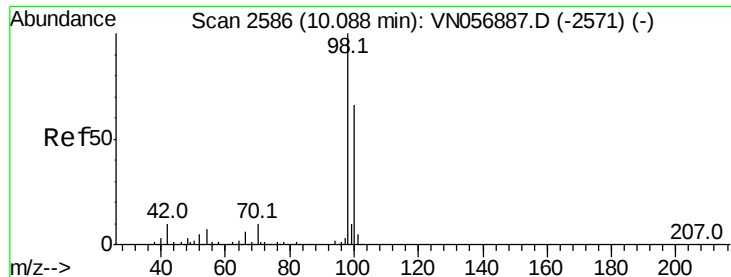
Tot Ion:117 Resp: 220427
Ion Ratio Lower Upper
117 100
82 53.4 43.0 64.4
119 33.0 26.2 39.2



#60
4-Bromofluorobenzene
Concen: 21.633 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056898.D
Acq: 24 Jul 2019 1:06

Tgt Ion: 95 Resp: 71469
Ion Ratio Lower Upper
95 100
174 92.5 71.9 107.9
176 90.2 69.8 104.8





#63

Toluene-d8

Concen: 32.286 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056898.D

Acq: 24 Jul 2019 1:06

Instrument :

MSVOA_N

ClientSampled :

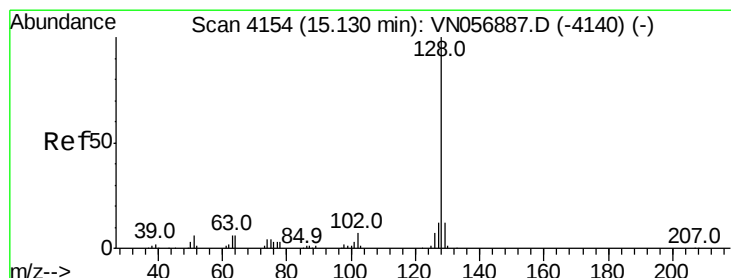
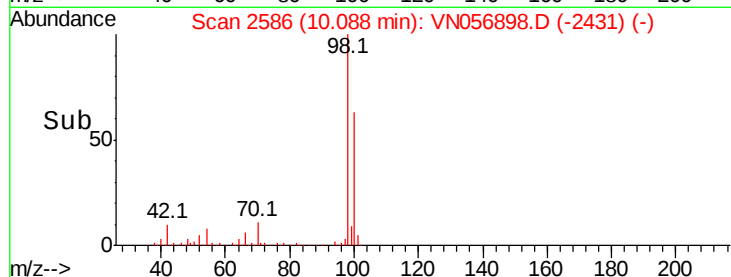
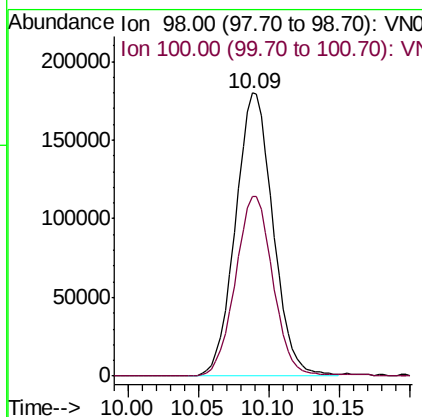
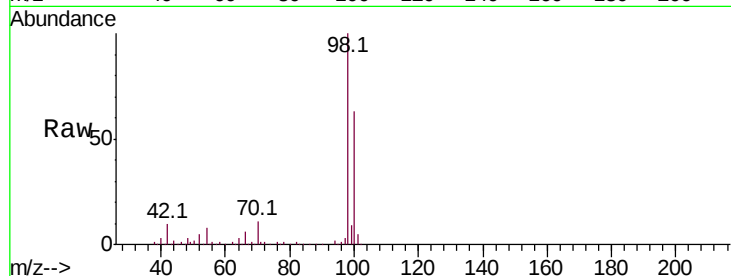
PWU-3

Tot Ion: 98 Resp: 336172

Ion Ratio Lower Upper

98 100

100 63.7 51.4 77.2



#91

Naphthalene

Concen: 8.058 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056898.D

Acq: 24 Jul 2019 1:06

Tgt Ion: 128 Resp: 3195

Ion Ratio Lower Upper

128 100

127 12.1 10.0 15.0

129 4.4 8.9 13.3#

