

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101518\
 Data File : VN051878.D
 Acq On : 15 Oct 2018 16:49
 Operator : MD\SY
 Sample : J5510-02DL 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 002M-35TH-AVE-OCTDL

Quant Time: Oct 16 02:34:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	125847	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	695539	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	573546	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	231669	30.25	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.83%
60) 4-Bromofluorobenzene	12.40	95	199499	24.12	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	80.40%
63) Toluene-d8	10.09	98	784832	31.51	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.03%

Target Compounds

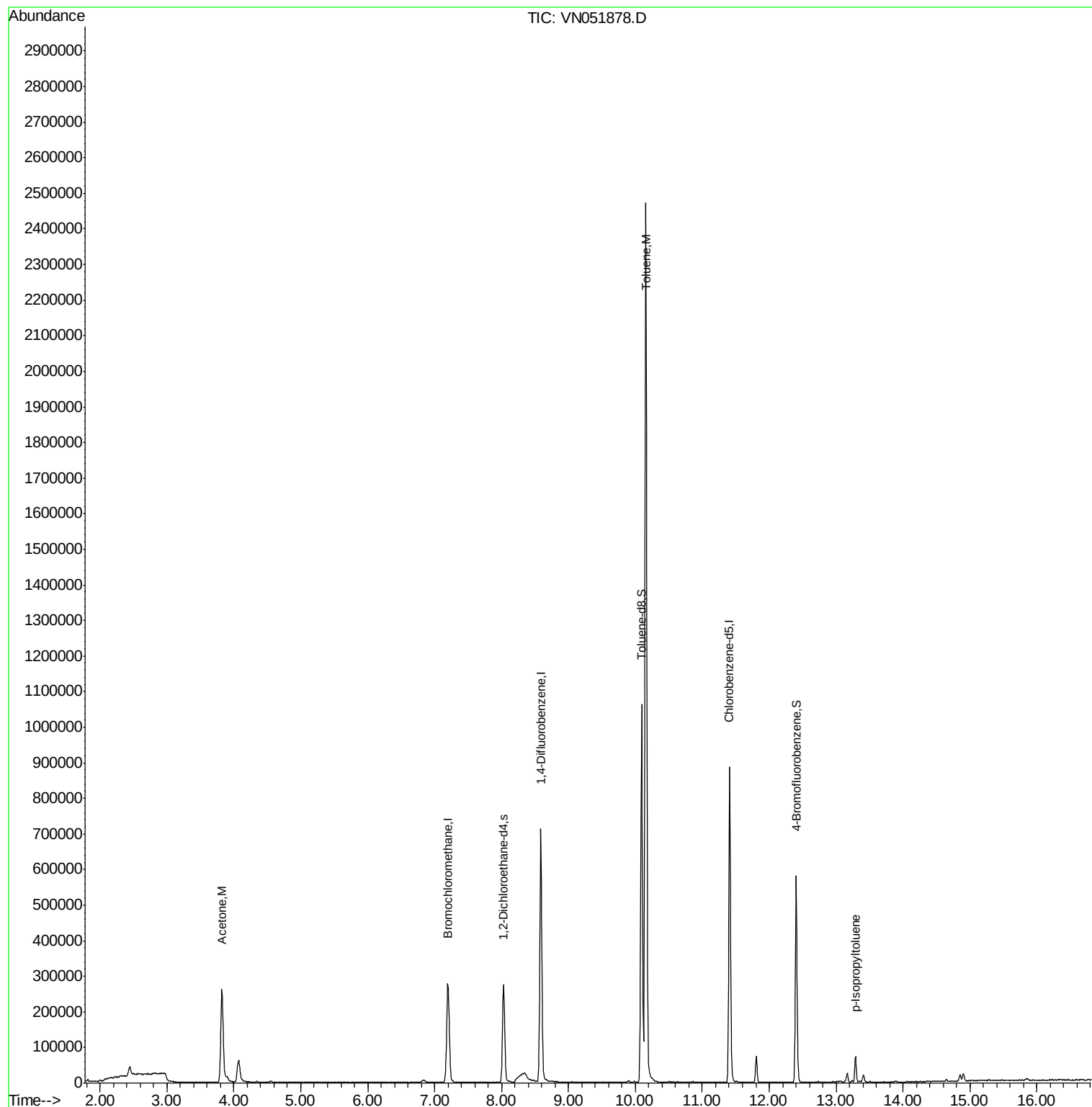
						Qvalue
15) Acetone	3.82	58	141810	356.74	ug/l	95
62) Toluene	10.16	91	2016224	70.76	ug/l	99
82) p-Isopropyltoluene	13.29	119	41624	1.39	ug/l	98

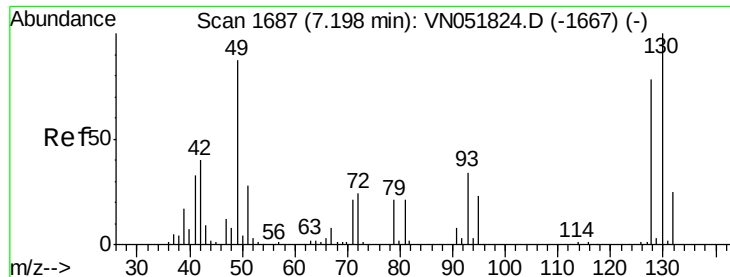
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051878.D

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MSVOA_N

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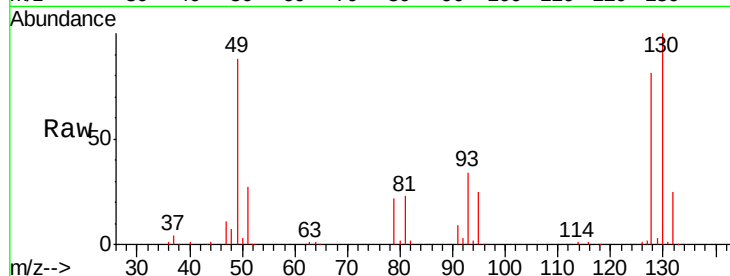
Tgt Ion:128 Resp: 125847

Ion Ratio Lower Upper

128 100

49 109.6 0.0 403.3

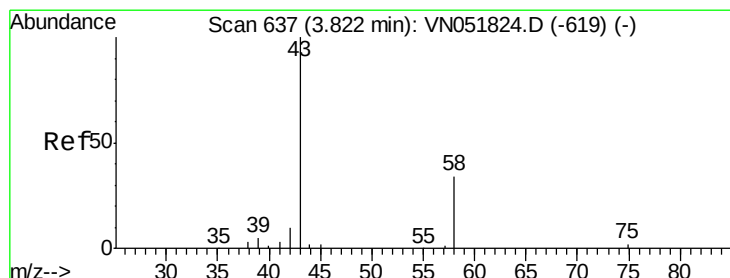
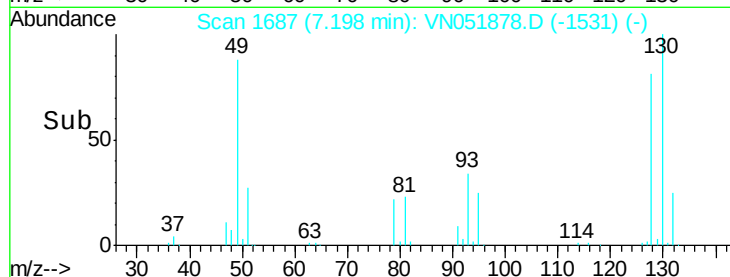
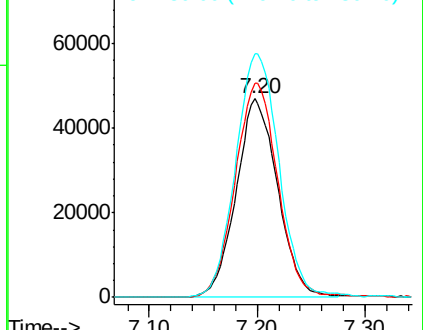
130 128.2 0.0 326.0



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: 356.74 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051878.D

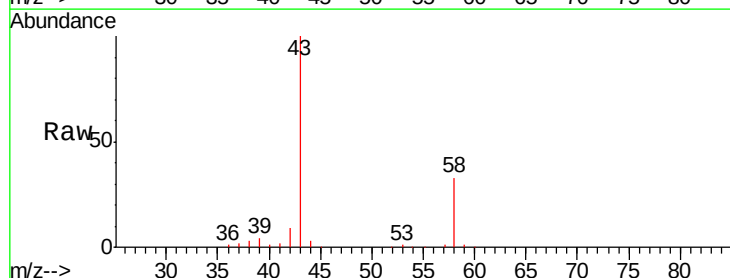
Acq: 15 Oct 2018 16:49

Tgt Ion: 58 Resp: 141810

Ion Ratio Lower Upper

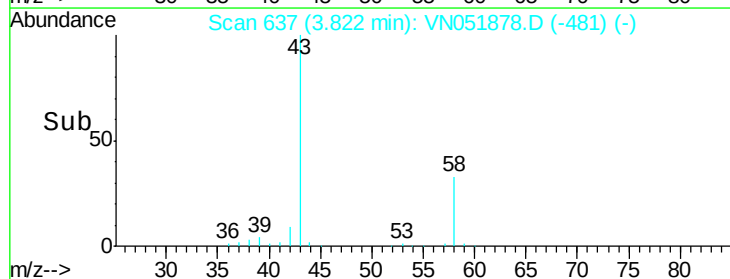
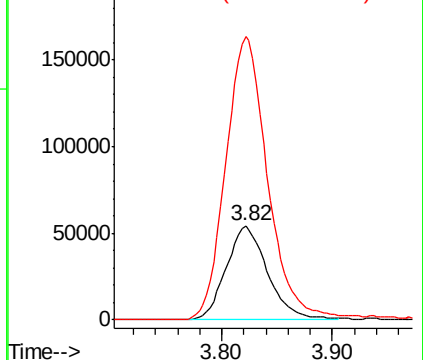
58 100

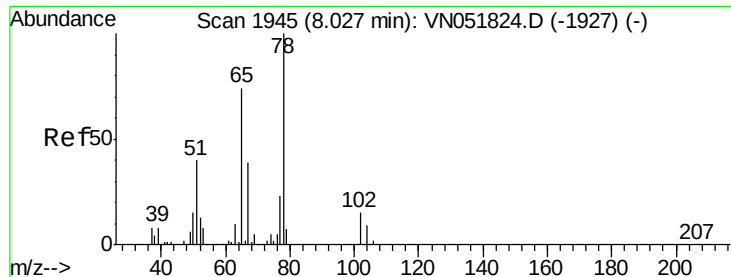
43 300.1 232.2 348.2



Abundance Ion 58.00 (57.70 to 58.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

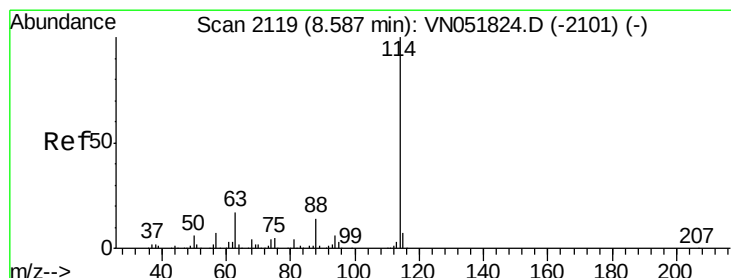
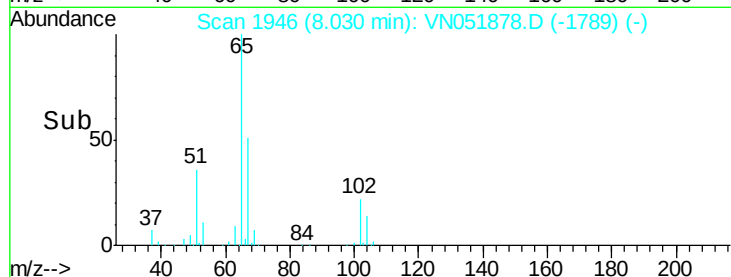
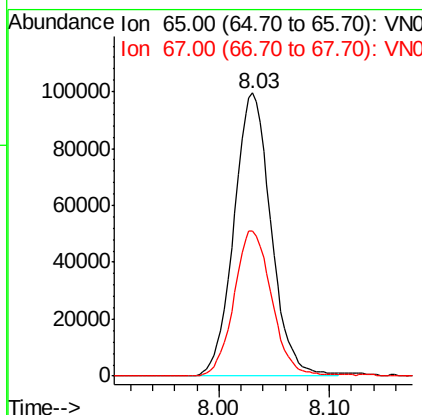
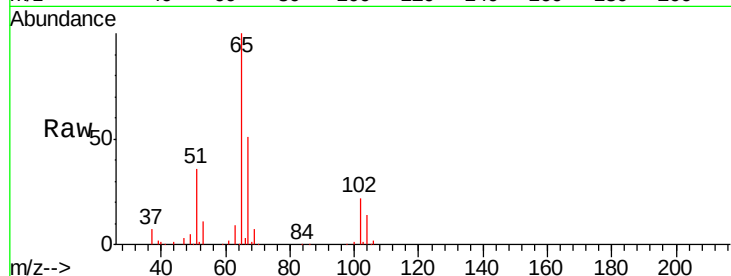




#27
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051878.D
 Acq: 15 Oct 2018 16:49

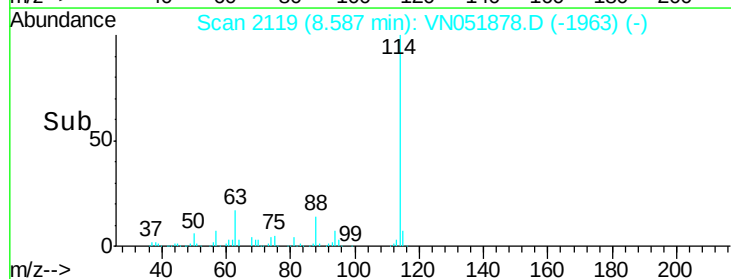
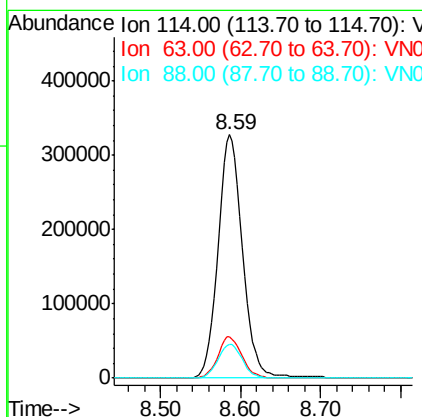
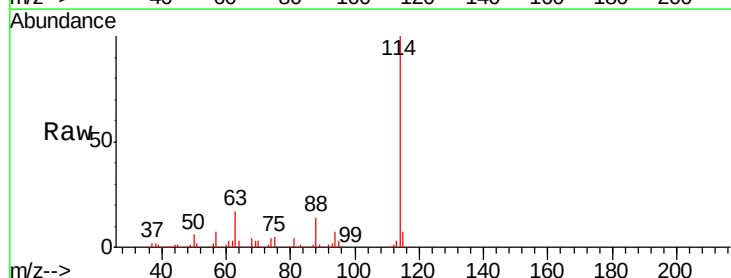
Instrument :
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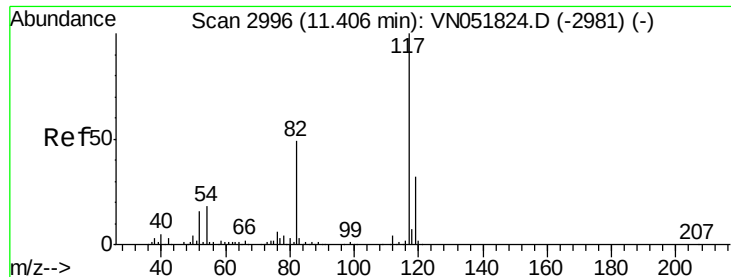
Tgt Ion: 65 Resp: 231669
 Ion Ratio Lower Upper
 65 100
 67 52.1 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051878.D
 Acq: 15 Oct 2018 16:49

Tgt Ion: 114 Resp: 695539
 Ion Ratio Lower Upper
 114 100
 63 16.8 16.2 24.2
 88 13.8 12.2 18.4

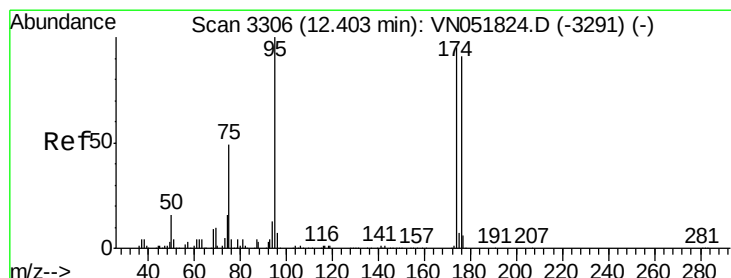
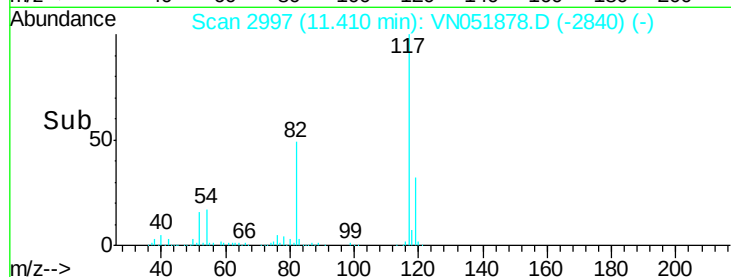
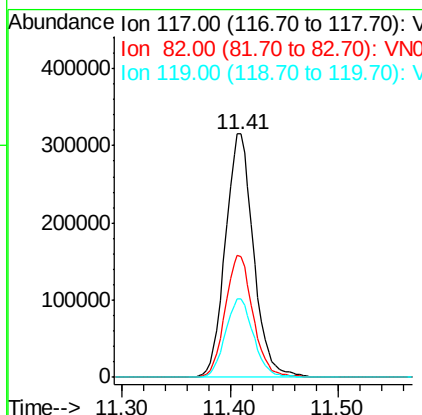
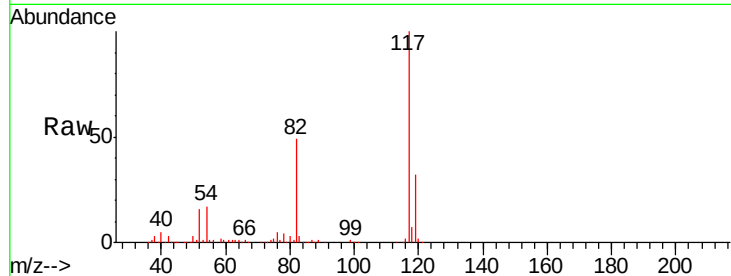




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051878.D
Acq: 15 Oct 2018 16:49

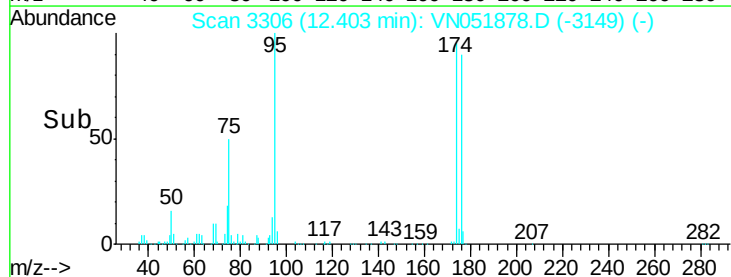
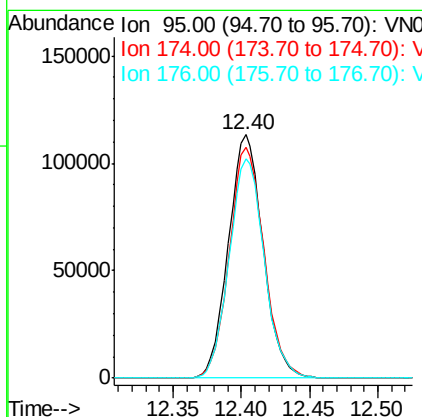
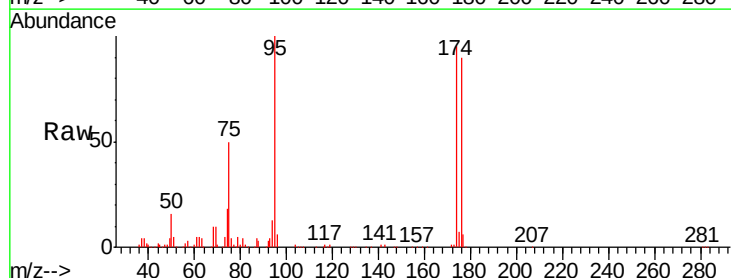
Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE-OCTDL

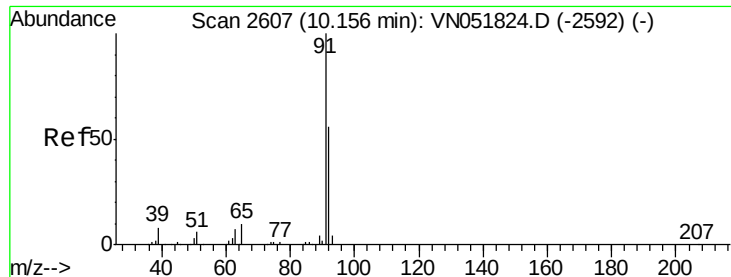
Tgt Ion: 117 Resp: 573546
Ion Ratio Lower Upper
117 100
82 49.5 44.1 66.1
119 32.4 25.8 38.8



#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051878.D
Acq: 15 Oct 2018 16:49

Tgt Ion: 95 Resp: 199499
Ion Ratio Lower Upper
95 100
174 95.2 73.5 110.3
176 91.2 70.2 105.2





#62

Toluene

Concen: 70.76 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051878.D

Acq: 15 Oct 2018 16:49

Instrument :

MSVOA_N

ClientSampleId :

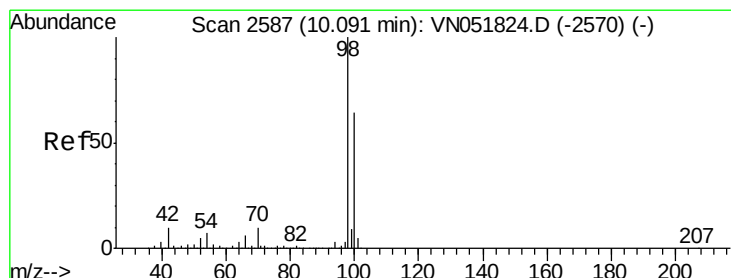
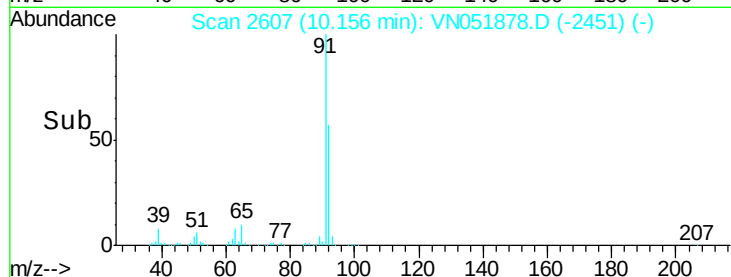
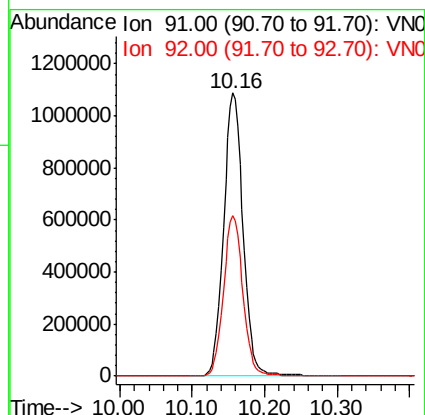
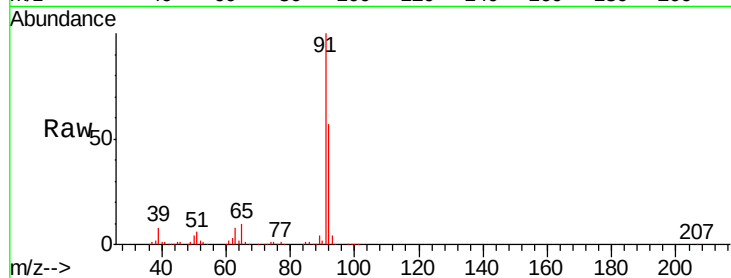
002M-35TH-AVE-OCTDL

Tgt Ion: 91 Resp: 2016224

Ion Ratio Lower Upper

91 100

92 56.5 44.6 66.8



#63

Toluene-d8

Concen: 70.76 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051878.D

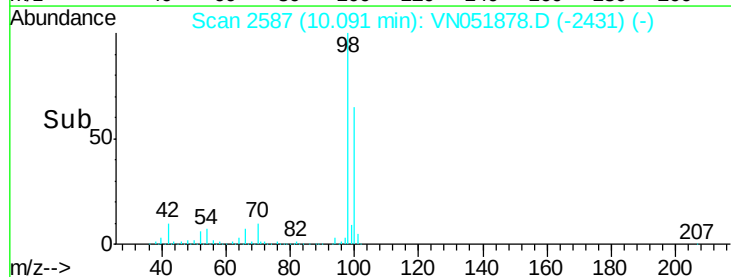
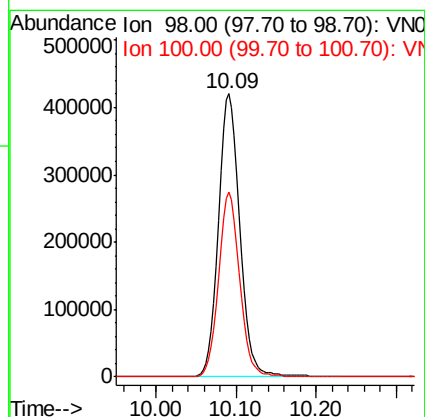
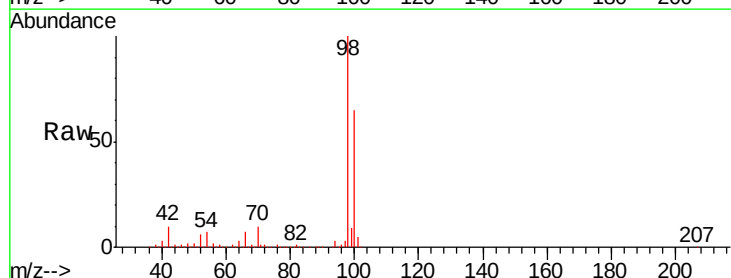
Acq: 15 Oct 2018 16:49

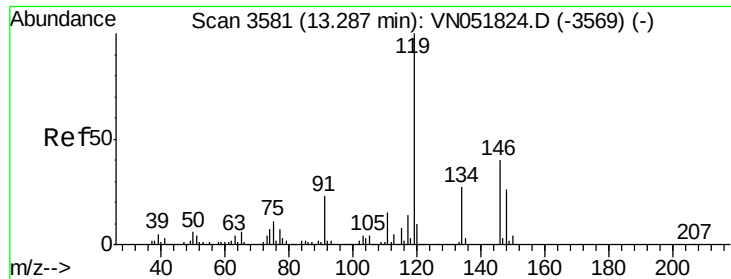
Tgt Ion: 98 Resp: 784832

Ion Ratio Lower Upper

98 100

100 64.0 50.8 76.2





#82
 p-Isopropyltoluene
 Concen: 1.39 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051878.D
 Acq: 15 Oct 2018 16:49

Instrument :
 MSVOA_N
 ClientSampleId :
 002M-35TH-AVE-OCTDL

Tgt Ion:	119	Resp:	41624
Ion	Ratio	Lower	Upper
119	100		
134	27.1	0.0	53.6
91	24.0	0.0	52.0

