

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056238.D
 Acq On : 12 Jun 2019 10:22
 Operator : JC/SP
 Sample : K3297-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OF-1

Quant Time: Jun 13 04:50:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	50705	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	247000	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	203572	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	93068	29.56	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.53%
60) 4-Bromofluorobenzene	12.40	95	67247	22.29	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	74.30%
63) Toluene-d8	10.09	98	286849	31.06	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.53%

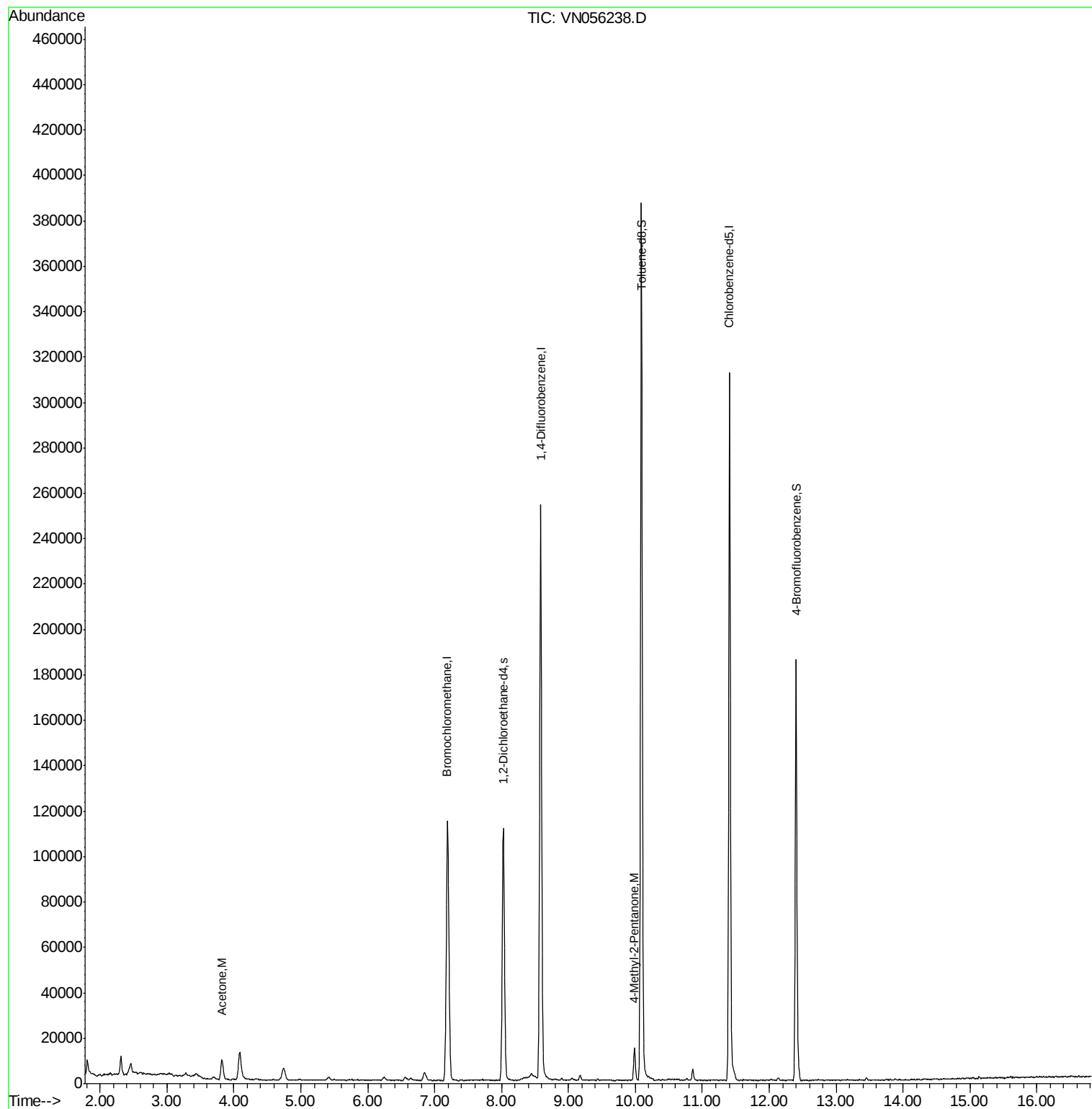
Target Compounds					Ovalue
15) Acetone	3.82	58	4872	10.491 ug/l	94
58) 4-Methyl-2-Pentanone	9.99	43	10814	3.508 ug/l	96

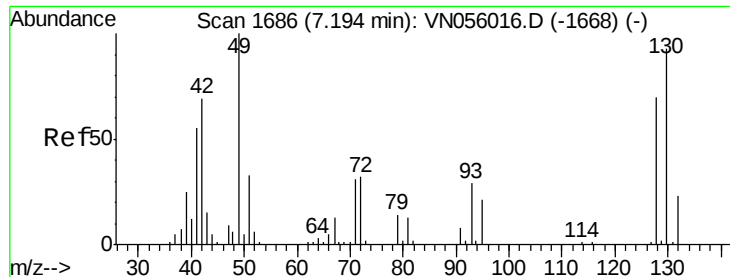
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN056238.D

Acq: 12 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampled :

OF-1

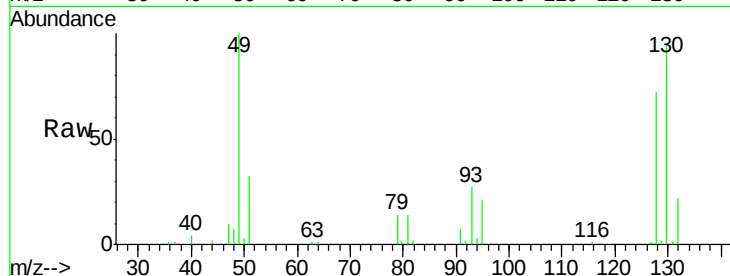
Tot Ion:128 Resp: 50705

Ion Ratio Lower Upper

128 100

49 137.5 0.0 355.8

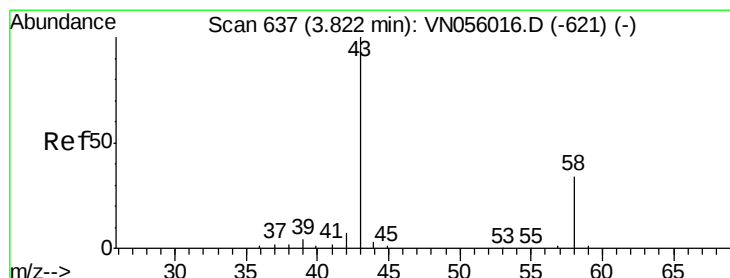
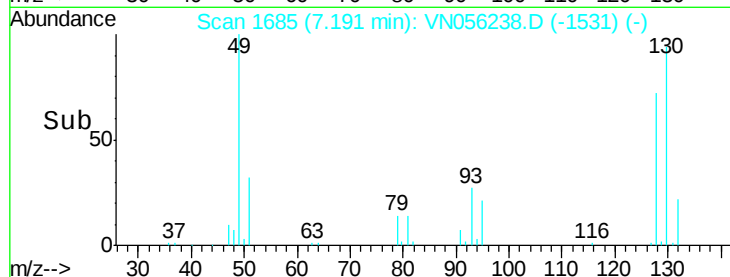
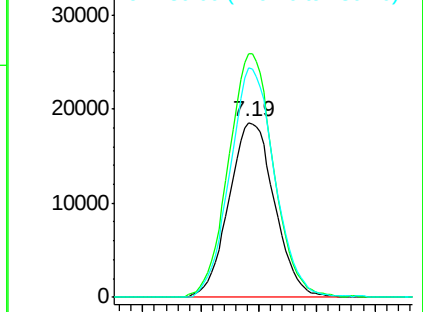
130 128.4 0.0 326.3



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



#15

Acetone

Concen: 10.491 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN056238.D

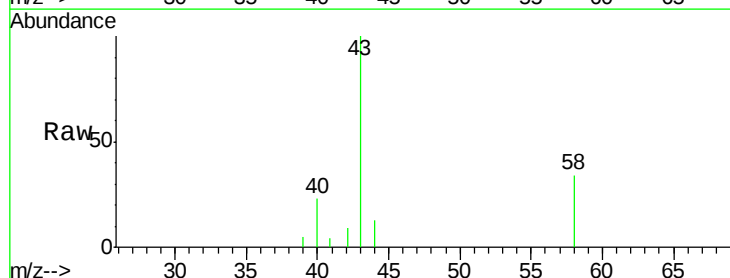
Acq: 12 Jun 2019 10:22

Tgt Ion: 58 Resp: 4872

Ion Ratio Lower Upper

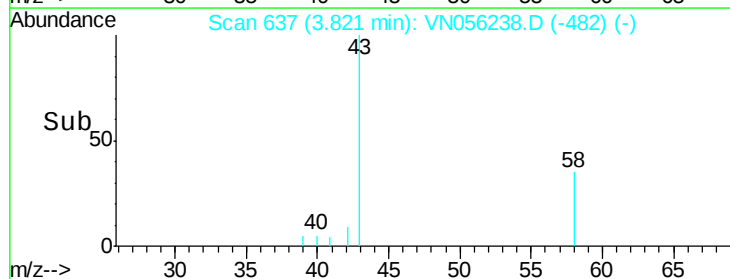
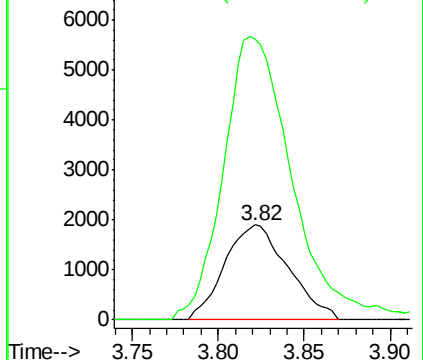
58 100

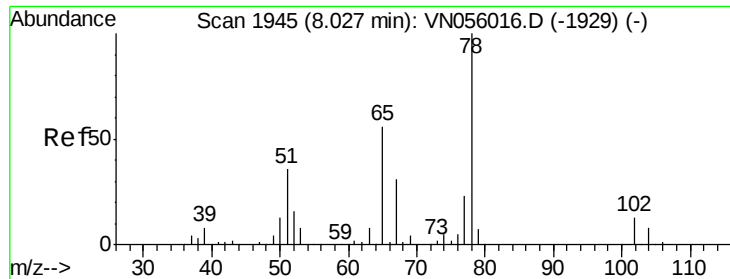
43 279.5 232.5 348.7



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

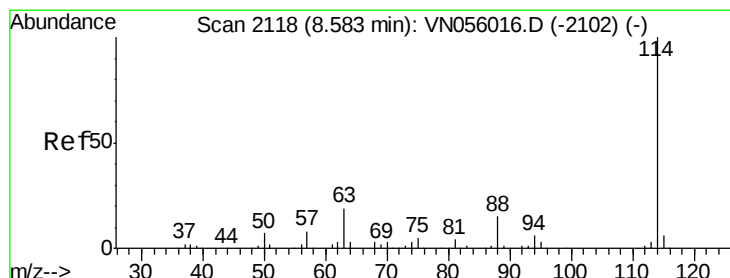
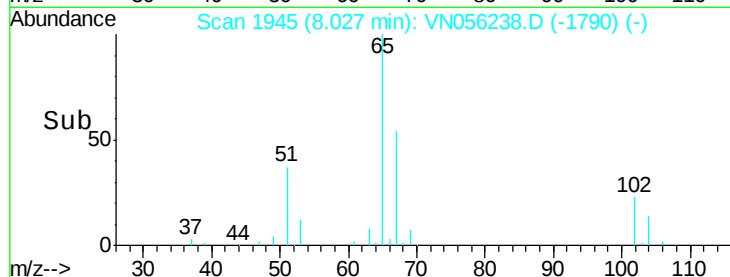
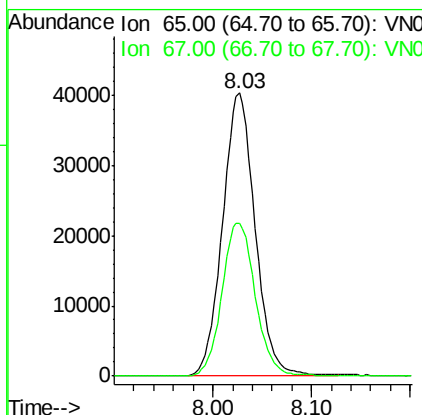
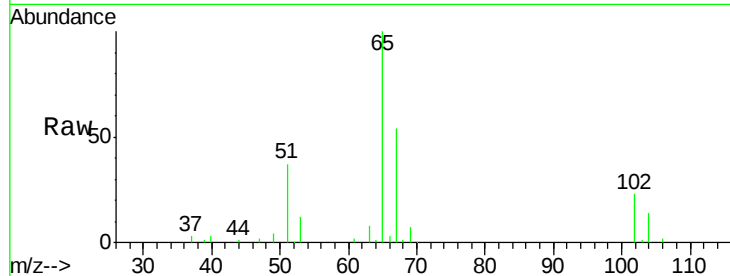




#27
 1,2-Dichloroethane-d4
 Concen: 29.557 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056238.D
 Acq: 12 Jun 2019 10:22

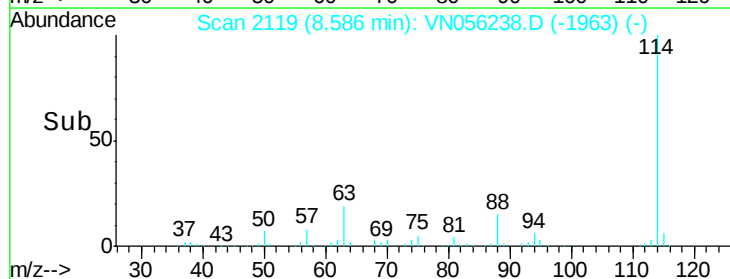
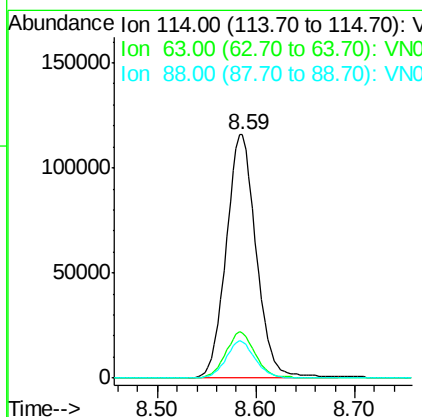
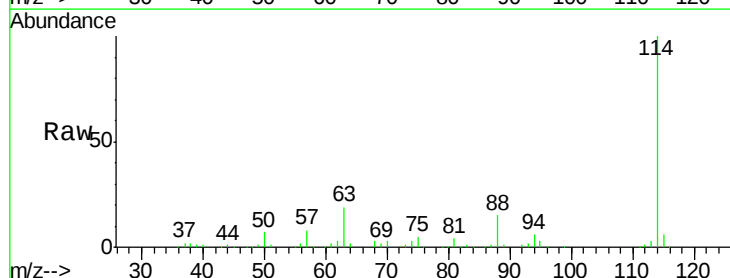
Instrument :
 MSVOA_N
 ClientSampled :
 OF-1

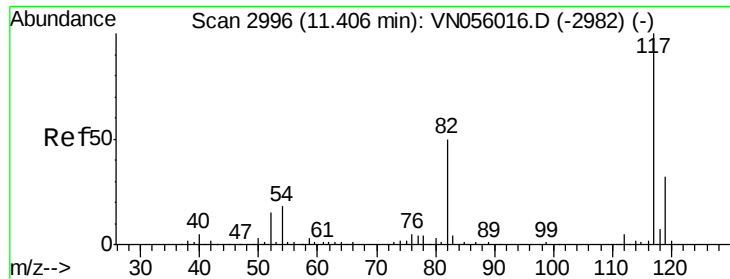
Tot Ion: 65 Resp: 93068
 Ion Ratio Lower Upper
 65 100
 67 55.3 43.4 65.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056238.D
 Acq: 12 Jun 2019 10:22

Tgt Ion: 114 Resp: 247000
 Ion Ratio Lower Upper
 114 100
 63 18.7 14.7 22.1
 88 14.7 11.9 17.9

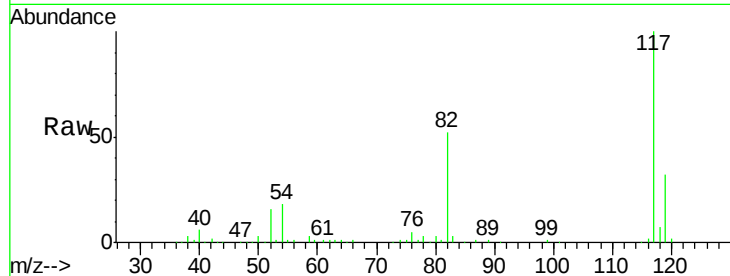




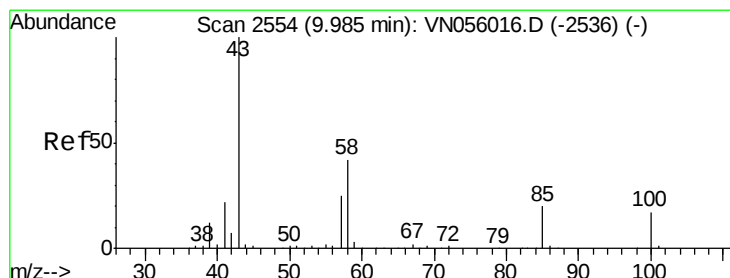
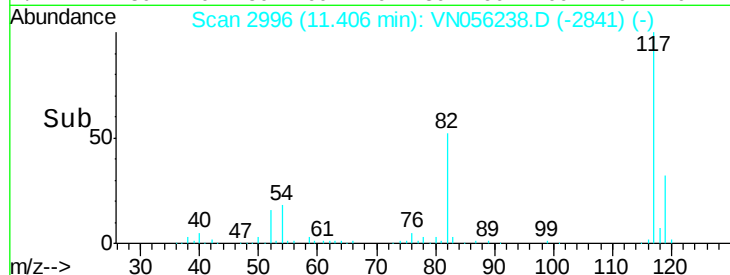
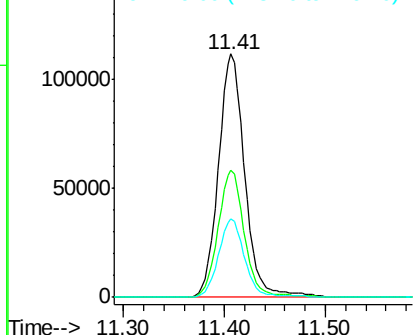
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056238.D
Acq: 12 Jun 2019 10:22

Instrument :
MSVOA_N
ClientSampled :
OF-1

Tot Ion:117 Resp: 203572
Ion Ratio Lower Upper
117 100
82 52.1 41.2 61.8
119 31.7 26.2 39.2

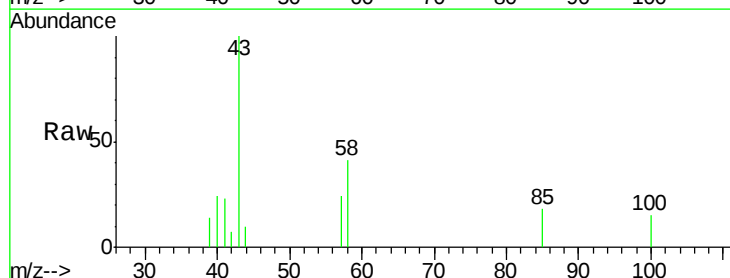


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

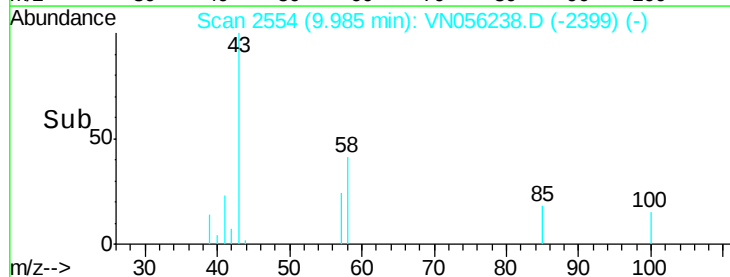
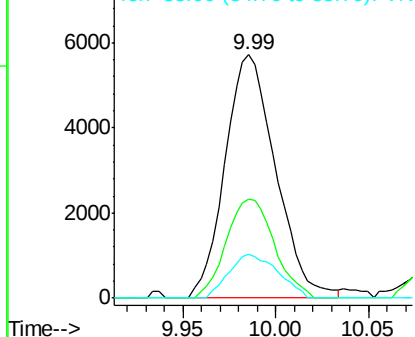


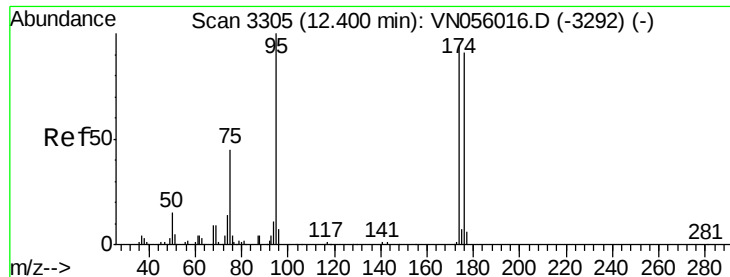
#58
4-Methyl-2-Pentanone
Concen: 3.508 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN056238.D
Acq: 12 Jun 2019 10:22

Tgt Ion: 43 Resp: 10814
Ion Ratio Lower Upper
43 100
58 38.7 33.1 49.7
85 17.4 15.5 23.3



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V





#60

4-Bromofluorobenzene

Concen: 22.287 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056238.D

Acq: 12 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampled :

OF-1

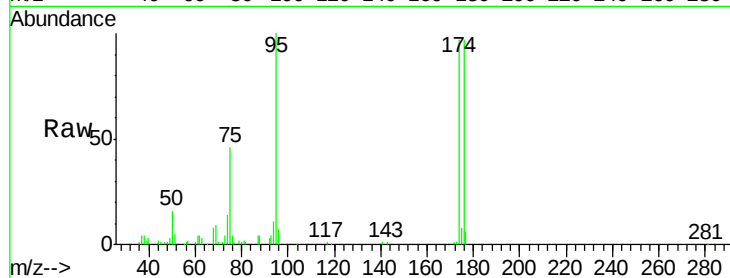
Tot Ion: 95 Resp: 67247

Ion Ratio Lower Upper

95 100

174 98.0 75.4 113.0

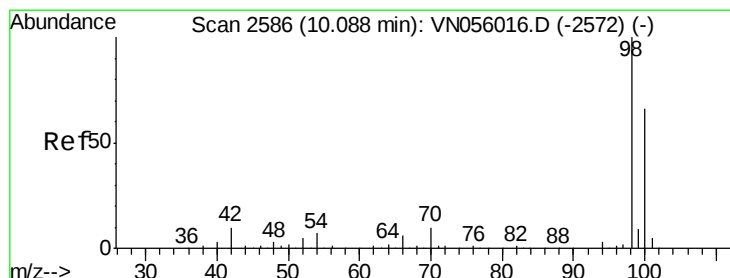
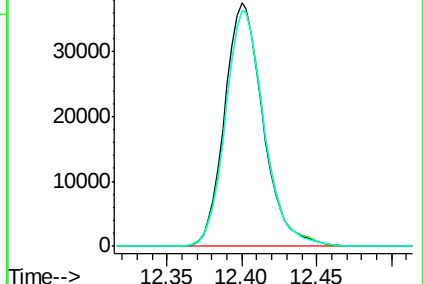
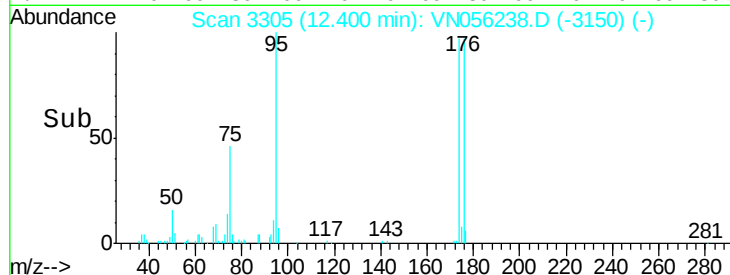
176 96.4 73.9 110.9



Abundance Ion 95.00 (94.70 to 95.70): VN056238.D (-3150) (-)

Ion 174.00 (173.70 to 174.70): VN056238.D (-3150) (-)

Ion 176.00 (175.70 to 176.70): VN056238.D (-3150) (-)



#63

Toluene-d8

Concen: 31.062 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056238.D

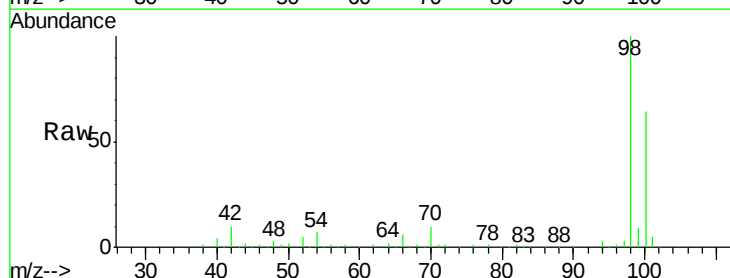
Acq: 12 Jun 2019 10:22

Tgt Ion: 98 Resp: 286849

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VN056238.D (-2431) (-)

Ion 100.00 (99.70 to 100.70): VN056238.D (-2431) (-)

