

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053464.D
 Acq On : 18 Jan 2019 11:20
 Operator : JC/SP
 Sample : K1166-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 CLOVER-YARD

Manual Integrations
 APPROVED

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 1/21/2019 10:46:39 AM

Quant Time: Jan 21 10:49:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	136190	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	741996	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	657046	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	260619	30.12	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.40%
60) 4-Bromofluorobenzene	12.40	95	277010	27.55	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.83%
63) Toluene-d8	10.09	98	871227	29.43	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.10%

Target Compounds					Ovalue
15) Acetone	3.82	58	2958m	5.030	ug/l

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

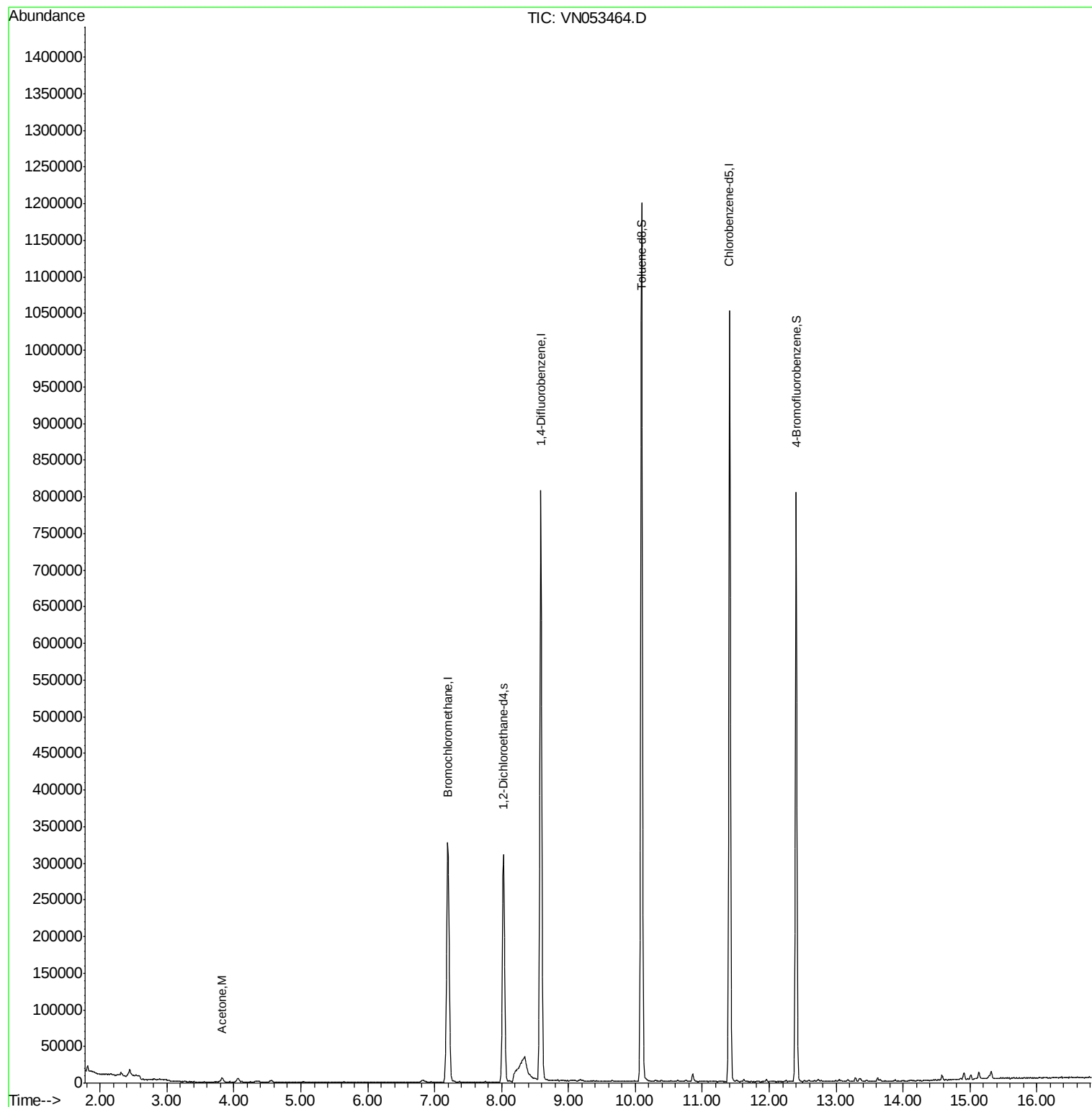
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
Data File : VN053464.D
Acq On : 18 Jan 2019 11:20
Operator : JC/SP
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 28

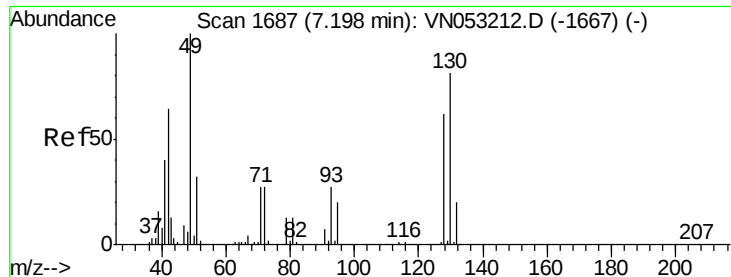
Instrument :
MSVOA_N
ClientSampleId :
CLOVER-YARD

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Quant Time: Jan 21 10:49:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 28 10:33:50 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN053464.D

Acq: 18 Jan 2019 11:20

Instrument :

MSVOA_N

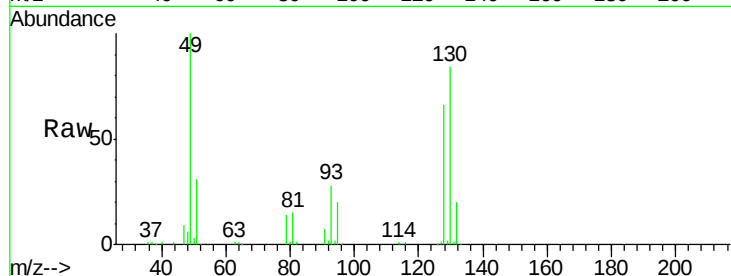
ClientSampled :

CLOVER-YARD

Tot Ion:	128	Resp:	136190
Ion Ratio	Lower	Upper	
128	100		
49	153.1	0.0	431.8
130	128.2	0.0	317.0

Manual Integrations
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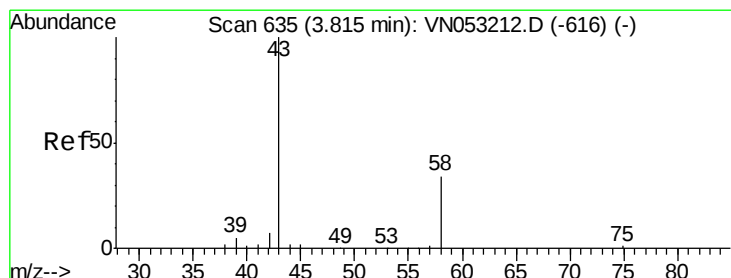
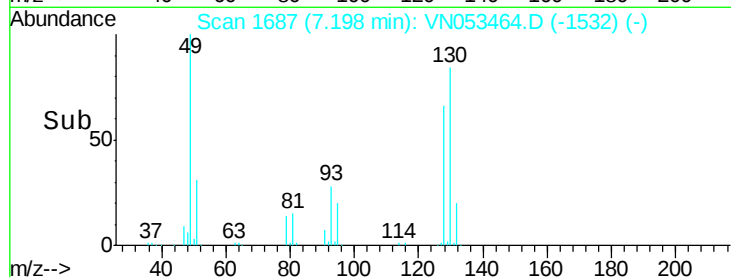
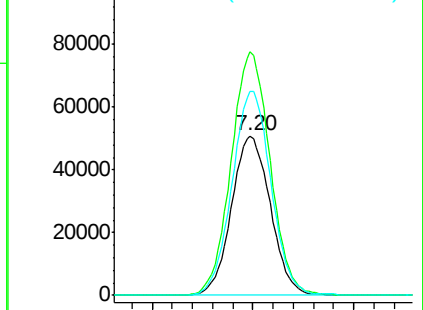
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 5.030 ug/l m

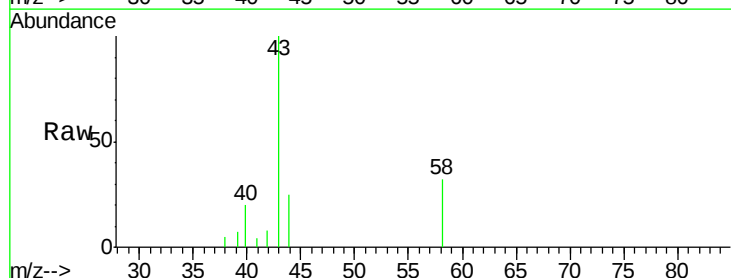
RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053464.D

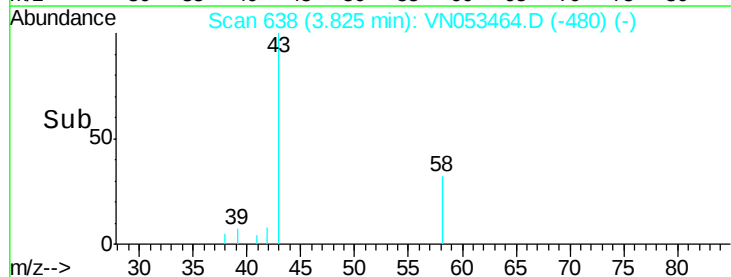
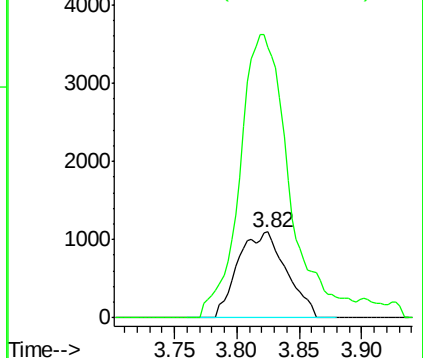
Acq: 18 Jan 2019 11:20

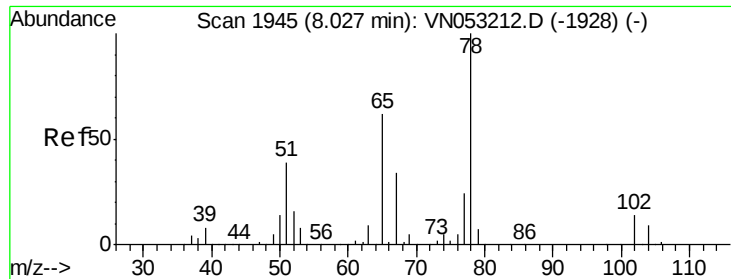
Tgt Ion:	58	Resp:	2958
Ion Ratio	Lower	Upper	
58	100		
43	313.8	243.6	365.4



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: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053464.D

Acq: 18 Jan 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

CLOVER-YARD

Tot Ion: 65 Resp: 260619

Ion Ratio Lower Upper

65 100

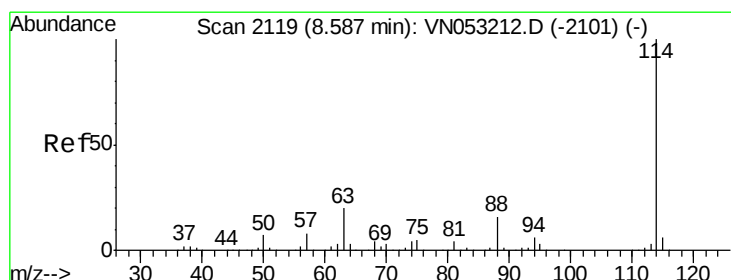
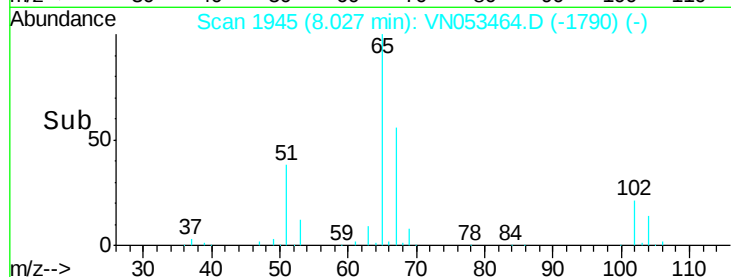
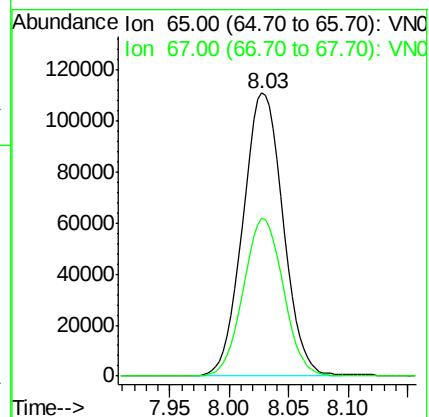
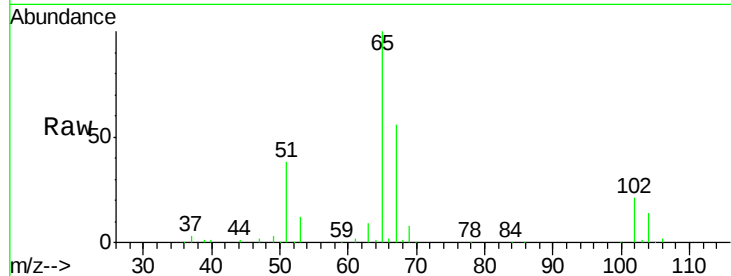
67 55.2 44.6 66.8

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN053464.D

Acq: 18 Jan 2019 11:20

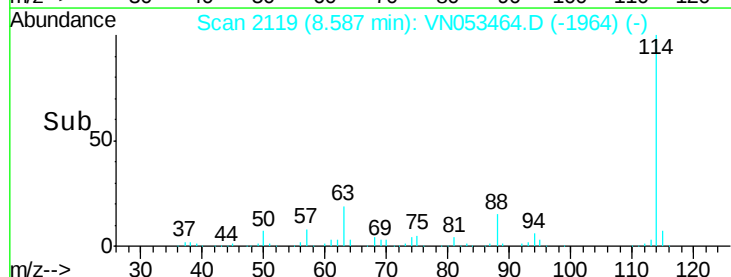
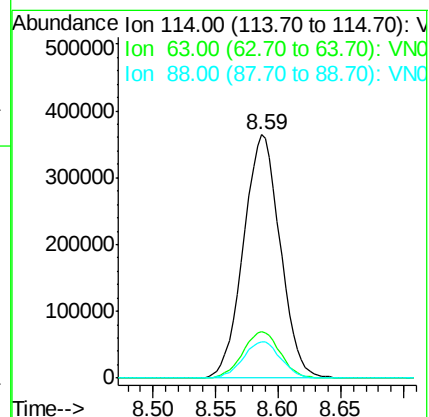
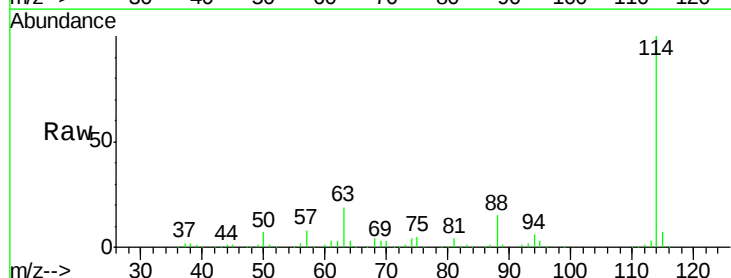
Tgt Ion: 114 Resp: 741996

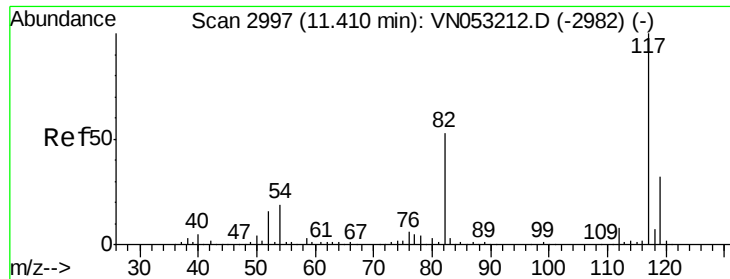
Ion Ratio Lower Upper

114 100

63 19.4 16.9 25.3

88 15.3 12.8 19.2





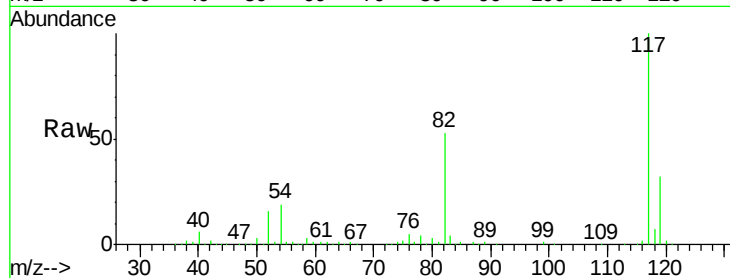
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053464.D
Acq: 18 Jan 2019 11:20

Instrument :
MSVOA_N
ClientSampled :
CLOVER-YARD

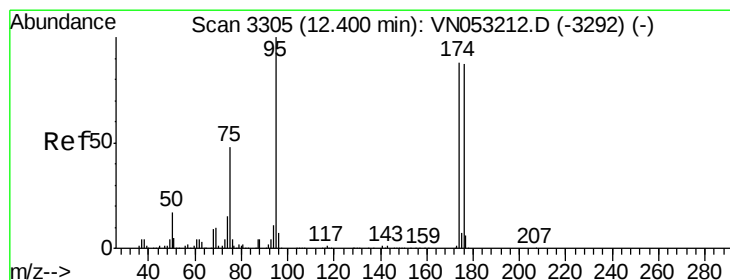
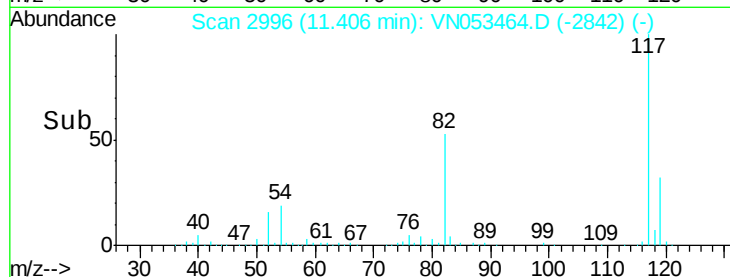
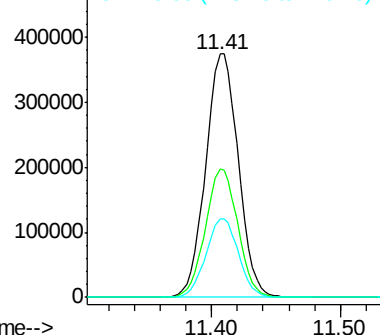
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	44.2	66.2
119	32.2	25.4	38.2

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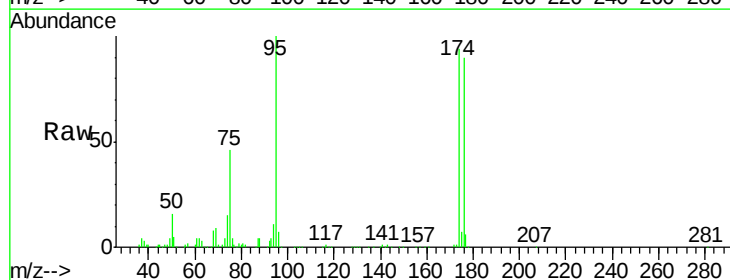


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

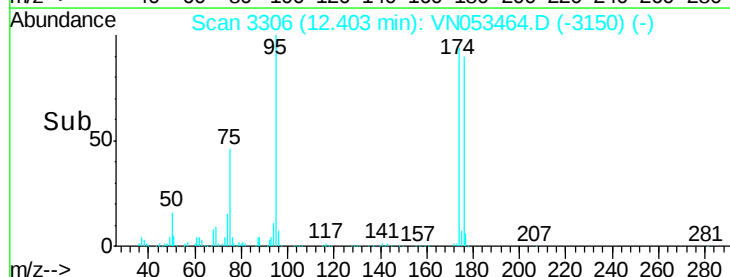
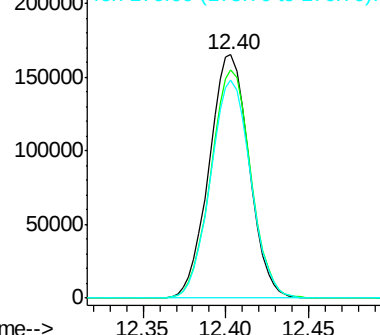


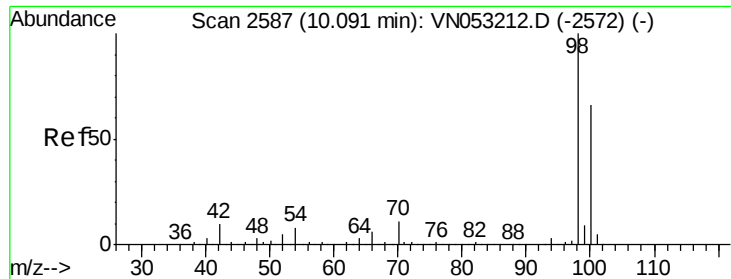
#60
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053464.D
Acq: 18 Jan 2019 11:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.8	67.9	101.9
176	90.1	66.4	99.6



Abundance Ion 95.00 (94.70 to 95.70): V
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#63
Toluene-d8
Concen: Below ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053464.D
Acq: 18 Jan 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
CLOVER-YARD

Tot Ion: 98 Resp: 871227
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7

Manual Integrations
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1/21/2019 10:46:39 AM

