

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091318\
 Data File : VN051167.D
 Acq On : 13 Sep 2018 13:16
 Operator : MD\SY
 Sample : VN0913WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBL02

Quant Time: Sep 14 01:09:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	117271	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	625882	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	511578	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	225781	30.17	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.57%
60) 4-Bromofluorobenzene	12.40	95	168717	22.18	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	73.93%
63) Toluene-d8	10.09	98	706558	29.62	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.73%

Target Compounds

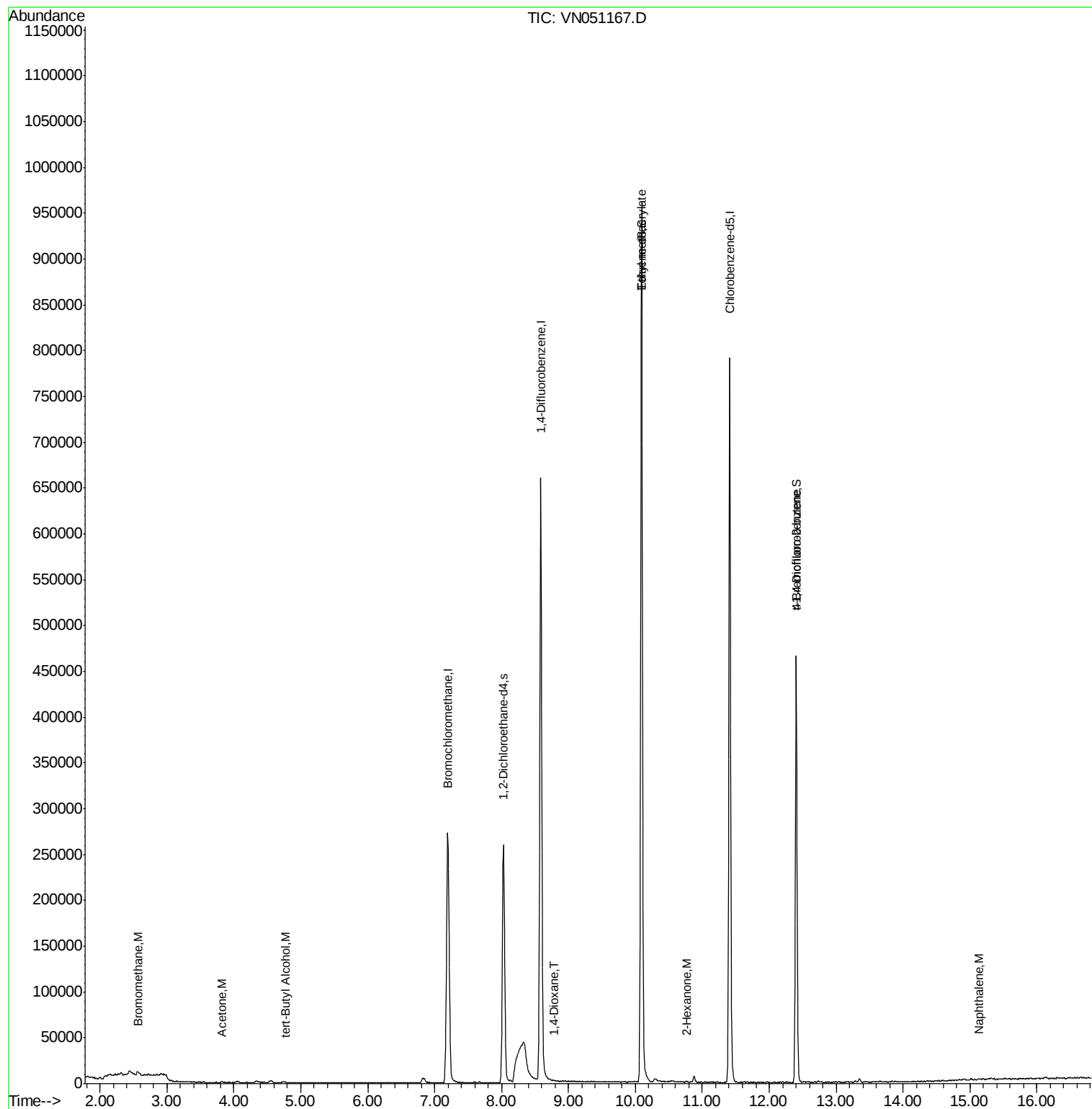
					Ovalue
5) Bromomethane	2.57	94	2029	0.39 ug/l	97
15) Acetone	3.82	58	141	0.22 ug/l #	1
23) tert-Butyl Alcohol	4.76	59	146	0.28 ug/l #	100
45) 1,4-Dioxane	8.78	88	61	0.79 ug/l #	28
51) Ethyl methacrylate	10.09	69	2176	0.27 ug/l	72
59) 2-Hexanone	10.76	43	1145	0.30 ug/l #	60
77) t-1,4-Dichloro-2-butene	12.40	75	77817	40.49 ug/l #	13
91) Naphthalene	15.14	128	1594	8.67 ug/l #	69

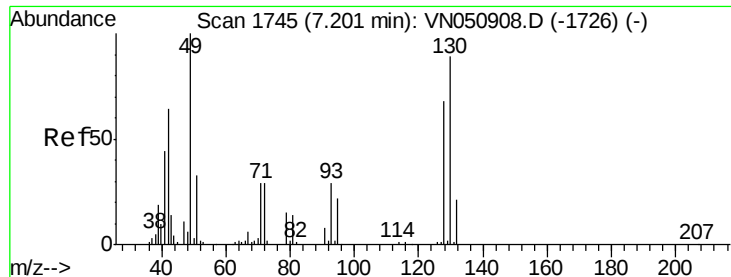
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :
VN0913WBL02

Quant Time: Sep 14 01:09:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:38:44 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051167.D

Acq: 13 Sep 2018 13:16

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBL02

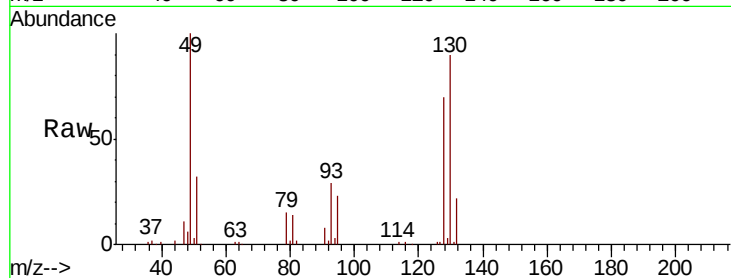
Tot Ion:128 Resp: 117271

Ion Ratio Lower Upper

128 100

49 146.0 0.0 380.3

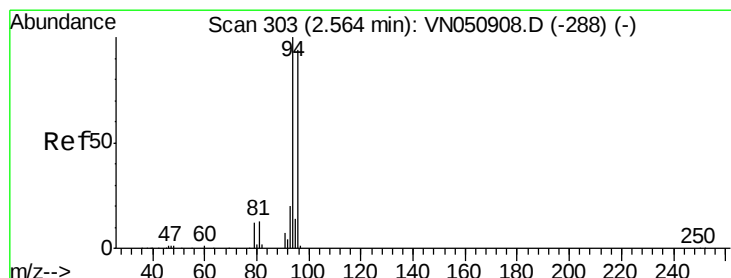
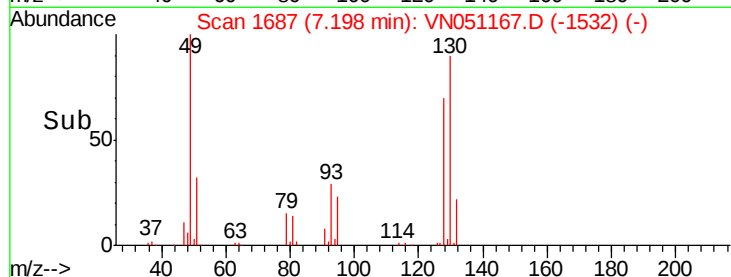
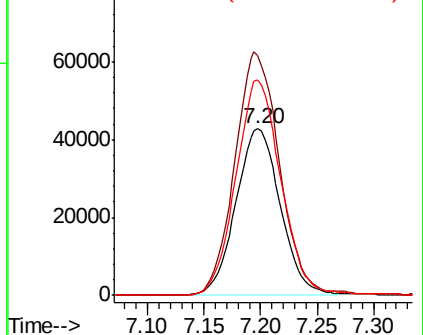
130 130.8 0.0 325.3



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



#5

Bromomethane

Concen: 0.39 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051167.D

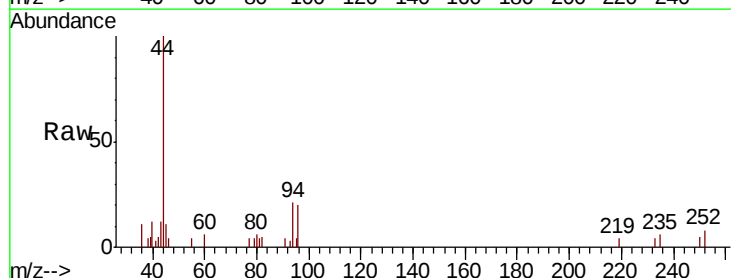
Acq: 13 Sep 2018 13:16

Tgt Ion: 94 Resp: 2029

Ion Ratio Lower Upper

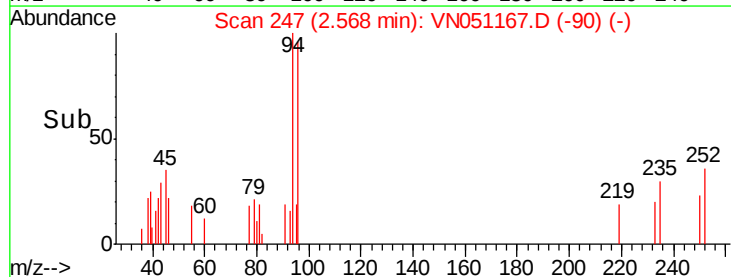
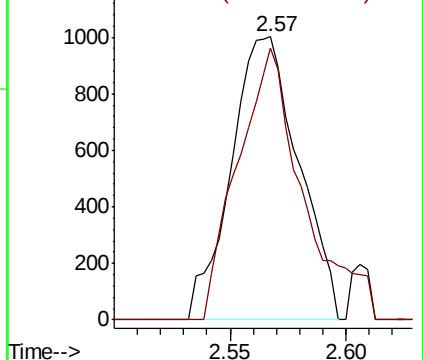
94 100

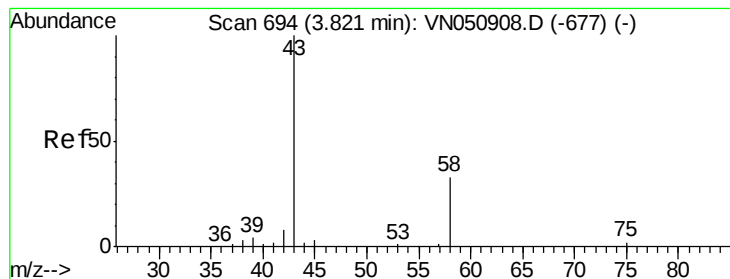
96 96.0 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0





#15

Acetone

Concen: 0.22 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051167.D

Acq: 13 Sep 2018 13:16

Instrument :

MSVOA_N

ClientSampled :

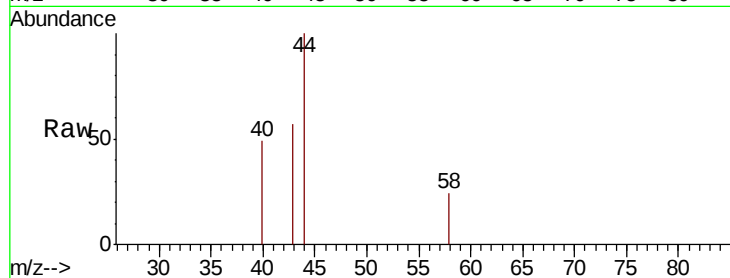
VN0913WBL02

Tot Ion: 58 Resp: 141

Ion Ratio Lower Upper

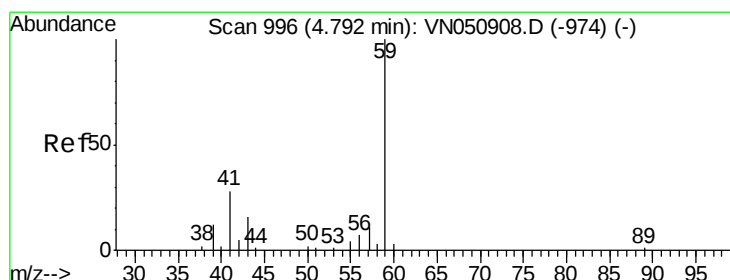
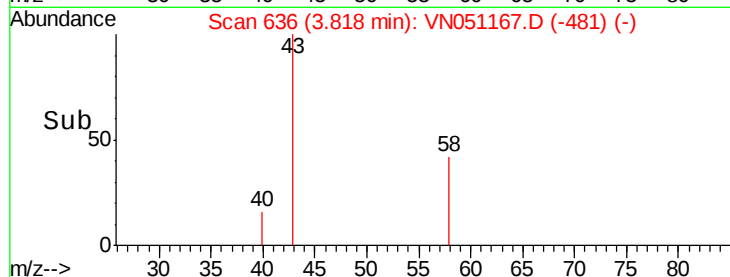
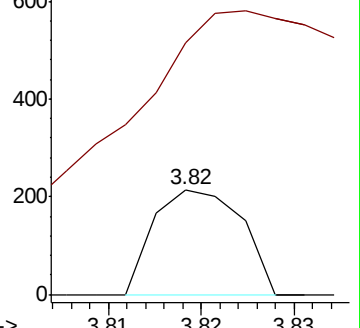
58 100

43 77.7 239.4 359.0#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#23

tert-Butyl Alcohol

Concen: 0.28 ug/l

RT: 4.76 min Scan# 928

Delta R.T. -0.04 min

Lab File: VN051167.D

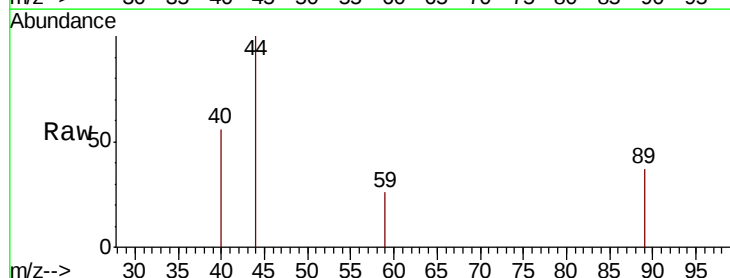
Acq: 13 Sep 2018 13:16

Tgt Ion: 59 Resp: 146

Ion Ratio Lower Upper

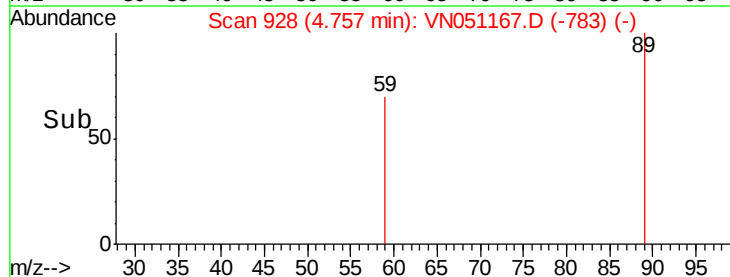
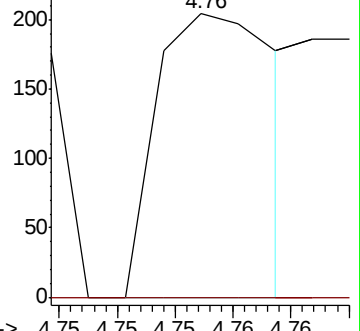
59 100

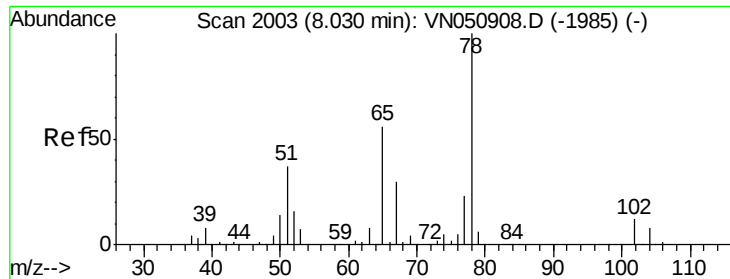
52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#27

1,2-Dichloroethane-d4

Concen: 30.17 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051167.D

Acq: 13 Sep 2018 13:16

Instrument :

MSVOA_N

ClientSampled :

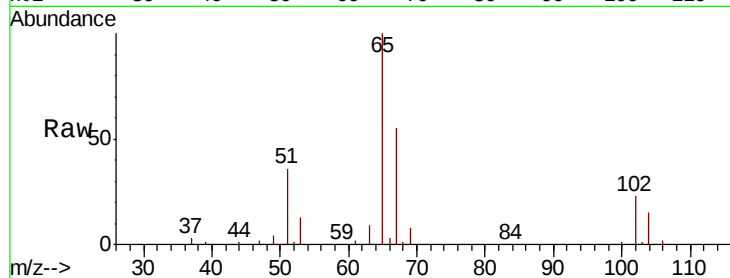
VN0913WBL02

Tot Ion: 65 Resp: 225781

Ion Ratio Lower Upper

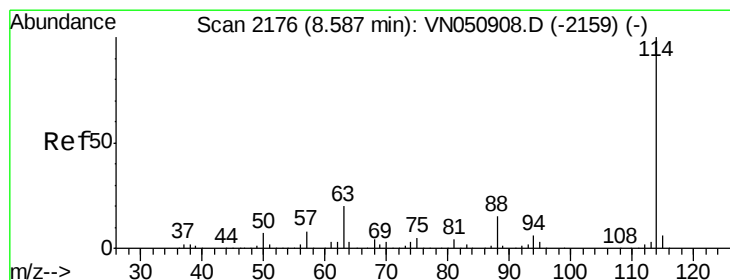
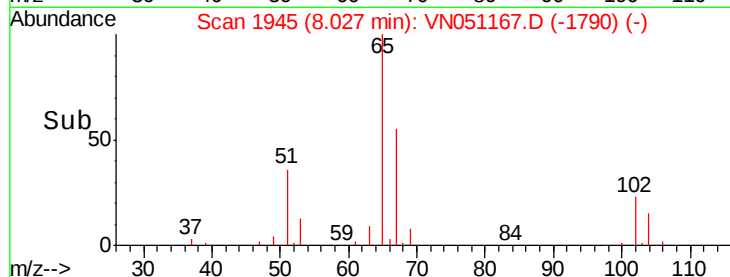
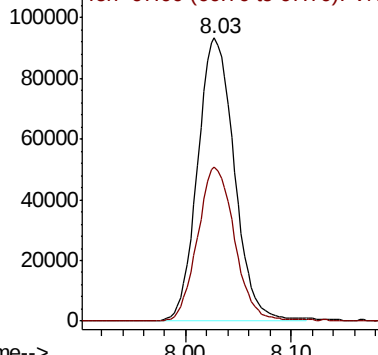
65 100

67 54.5 43.7 65.5



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051167.D

Acq: 13 Sep 2018 13:16

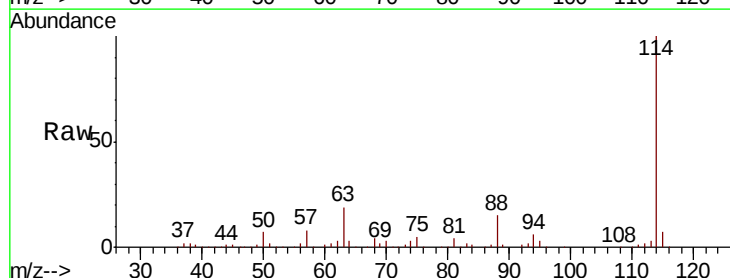
Tgt Ion: 114 Resp: 625882

Ion Ratio Lower Upper

114 100

63 19.2 15.6 23.4

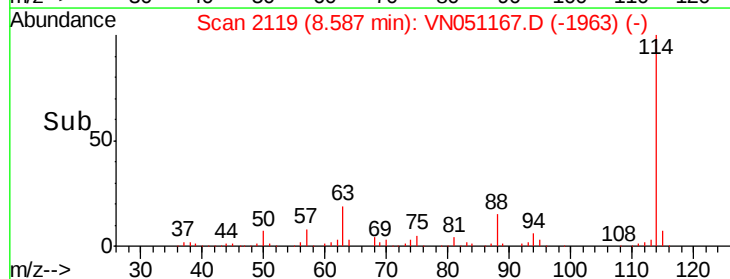
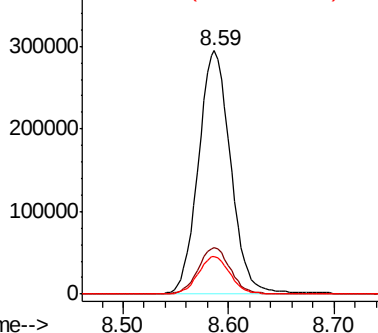
88 15.3 12.2 18.4

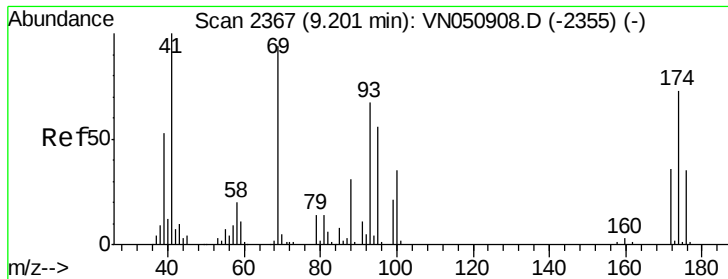


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0





#45

1,4-Dioxane

Concen: 0.79 ug/l

RT: 8.78 min Scan# 2179

Delta R.T. -0.42 min

Lab File: VN051167.D

Acq: 13 Sep 2018 13:16

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBL02

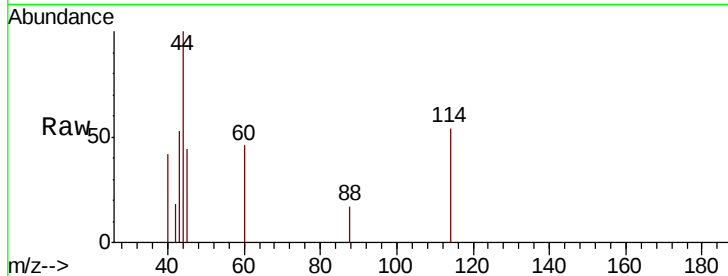
Tot Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 52.5 23.5 35.3#

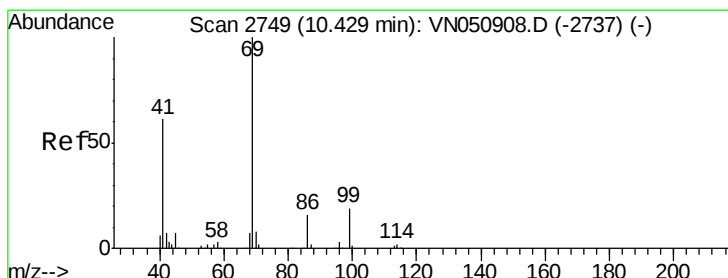
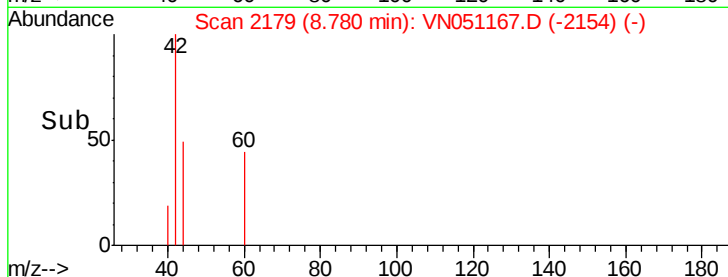
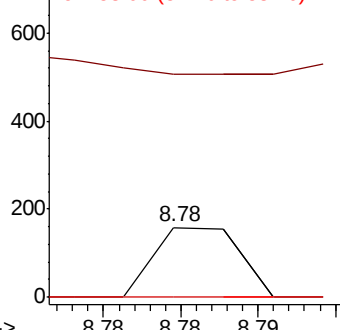
58 0.0 55.2 82.8#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#51

Ethyl methacrylate

Concen: 0.27 ug/l

RT: 10.09 min Scan# 2588

Delta R.T. -0.33 min

Lab File: VN051167.D

Acq: 13 Sep 2018 13:16

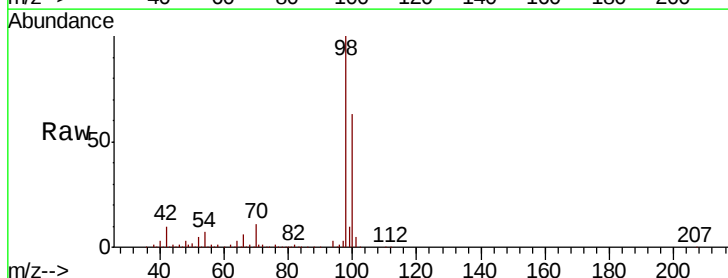
Tgt Ion: 69 Resp: 2176

Ion Ratio Lower Upper

69 100

41 87.0 30.5 91.5

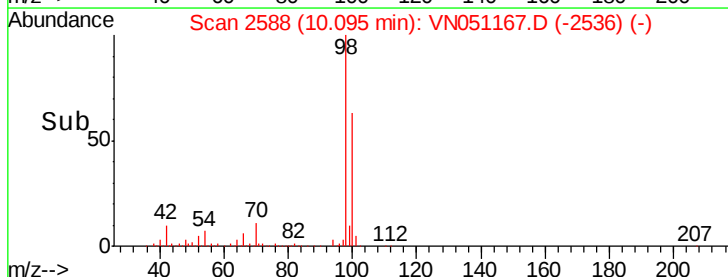
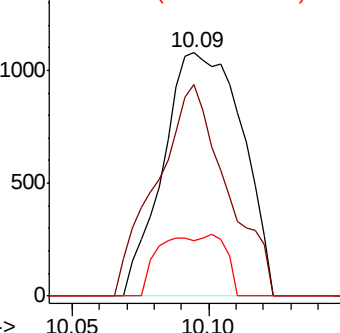
39 22.5 15.3 45.8

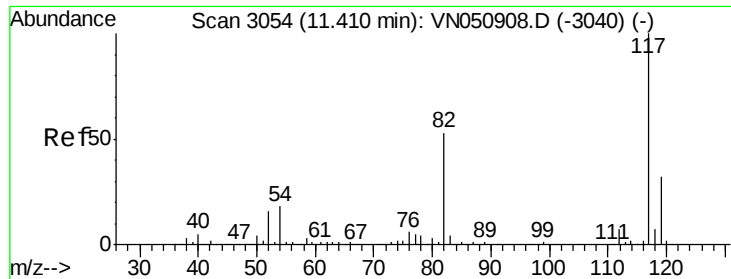


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

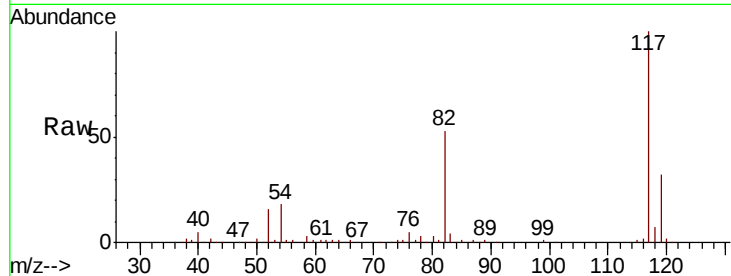




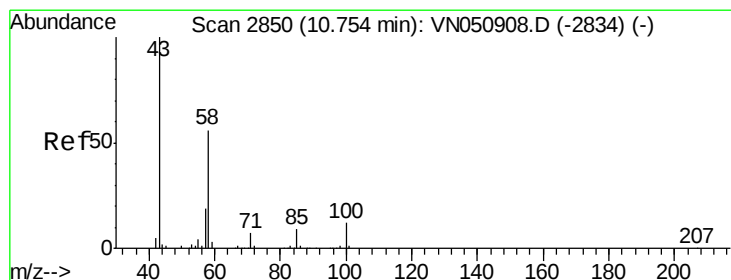
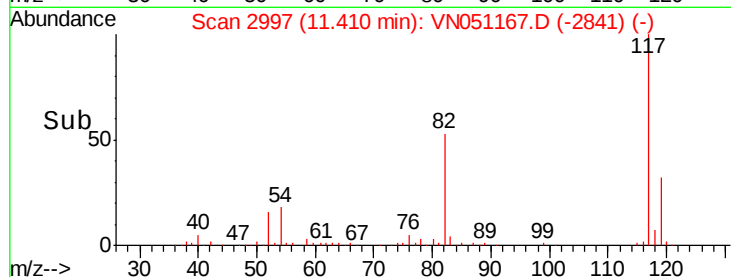
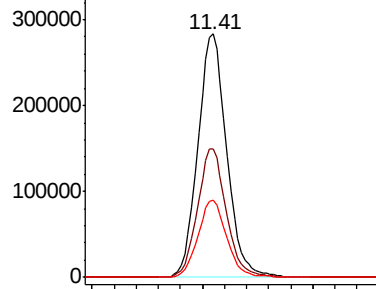
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051167.D
Acq: 13 Sep 2018 13:16

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBL02

Tot Ion:117 Resp: 511578
Ion Ratio Lower Upper
117 100
82 52.9 42.6 64.0
119 31.8 25.7 38.5

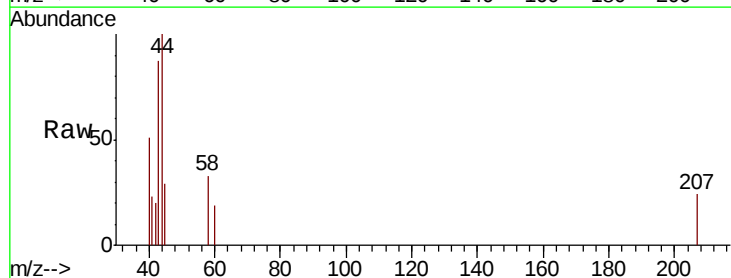


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

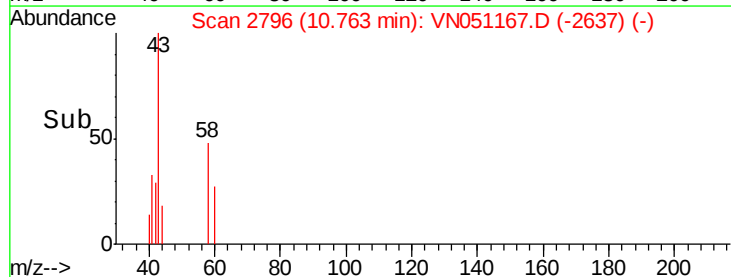
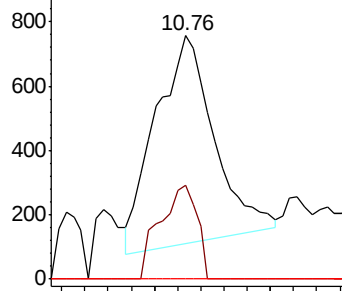


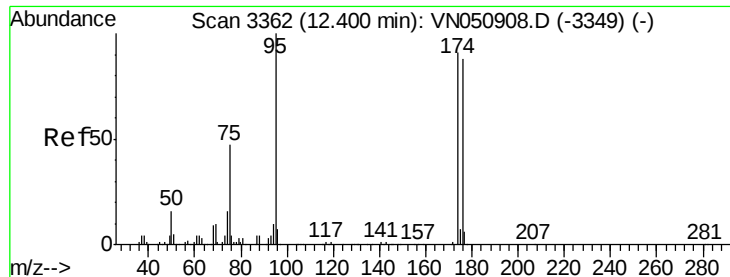
#59
2-Hexanone
Concen: 0.30 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN051167.D
Acq: 13 Sep 2018 13:16

Tgt Ion: 43 Resp: 1145
Ion Ratio Lower Upper
43 100
58 28.0 45.5 68.3#
57 0.0 15.2 22.8#



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 57.00 (56.70 to 57.70): VN

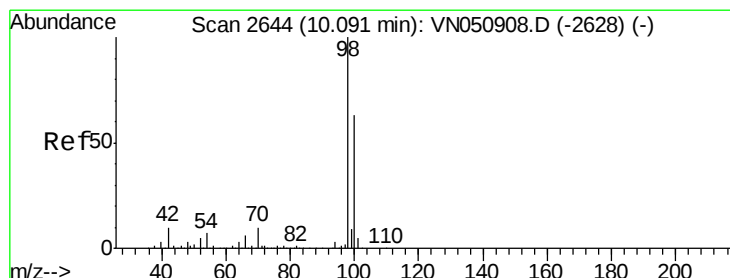
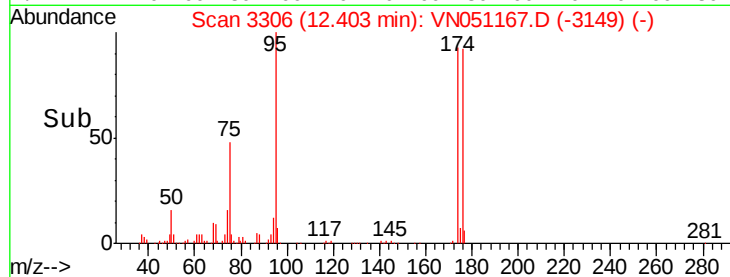
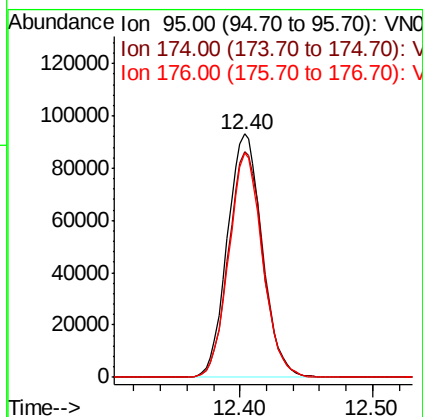
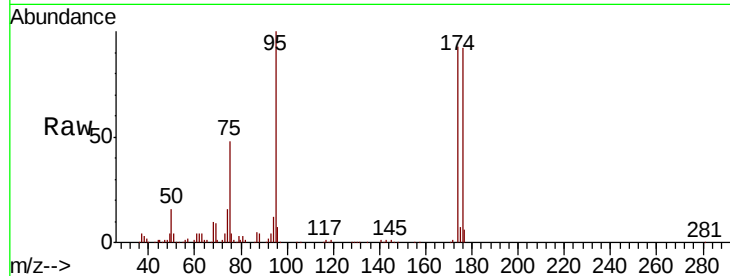




#60
 4-Bromofluorobenzene
 Concen: 22.18 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051167.D
 Acq: 13 Sep 2018 13:16

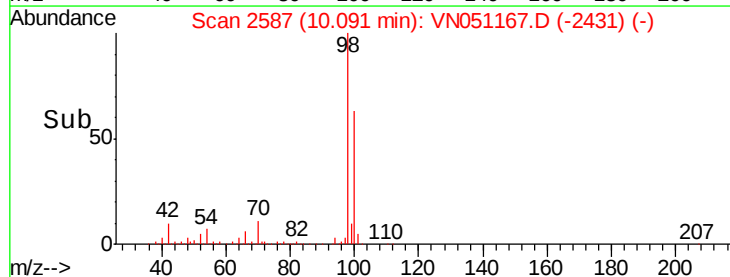
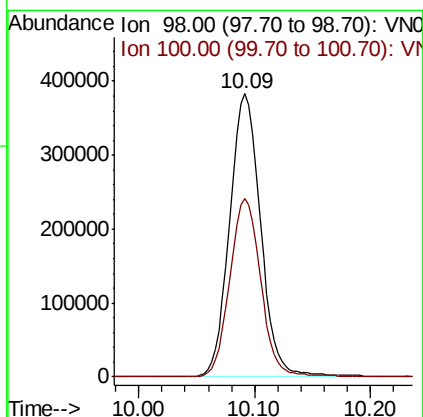
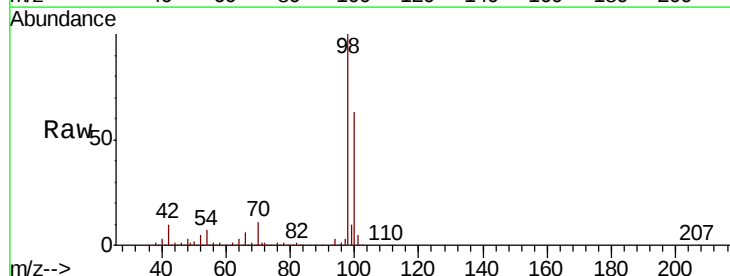
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBL02

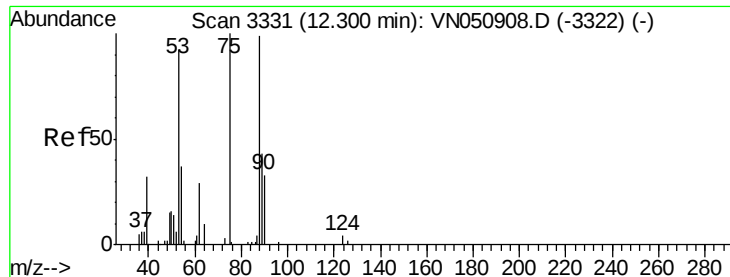
Tot Ion: 95 Resp: 168717
 Ion Ratio Lower Upper
 95 100
 174 92.7 74.6 112.0
 176 89.4 71.5 107.3



#63
 Toluene-d8
 Concen: 29.62 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN051167.D
 Acq: 13 Sep 2018 13:16

Tgt Ion: 98 Resp: 706558
 Ion Ratio Lower Upper
 98 100
 100 63.4 50.6 75.8





#77

t-1,4-Dichloro-2-butene

Concen: 40.49 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051167.D

Acq: 13 Sep 2018 13:16

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBL02

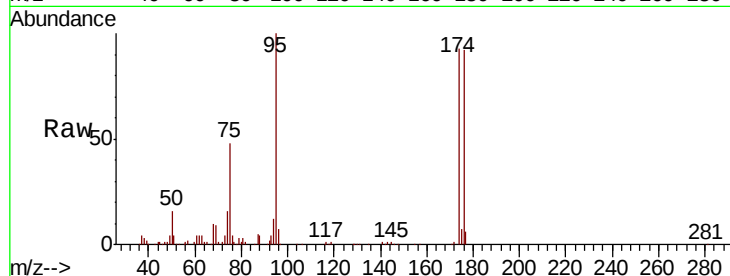
Tot Ion: 75 Resp: 77817

Ion Ratio Lower Upper

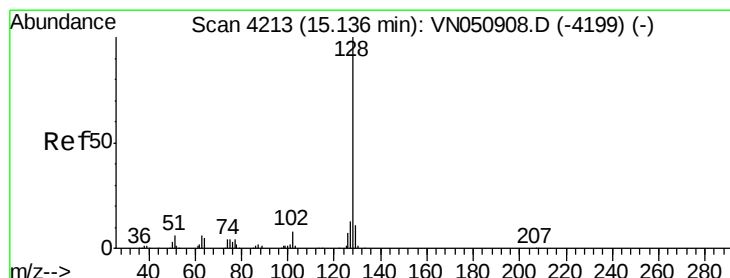
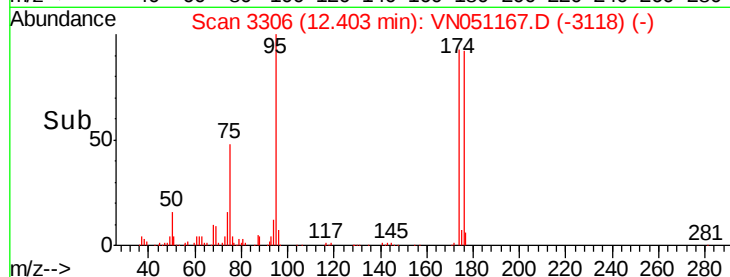
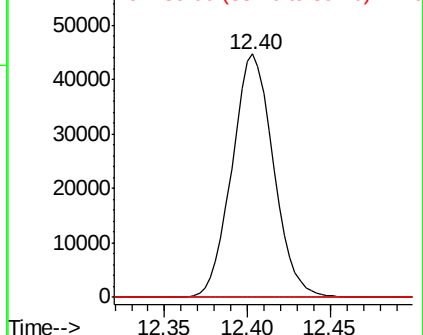
75 100

53 0.4 45.5 136.4#

89 0.0 21.9 65.8#



Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0



#91

Naphthalene

Concen: 8.67 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051167.D

Acq: 13 Sep 2018 13:16

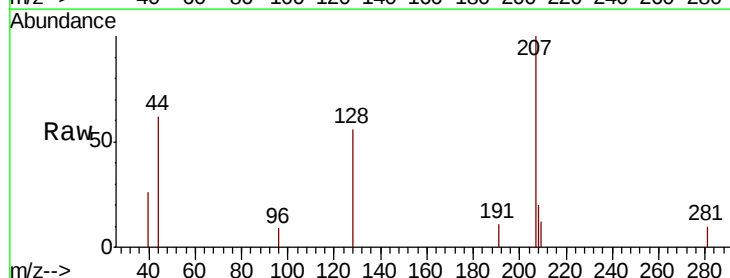
Tgt Ion: 128 Resp: 1594

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.7 13.1#



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

