

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071420\
 Data File : VN062521.D
 Acq On : 14 Jul 2020 10:39
 Operator : JC/MD
 Sample : VN0714WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0714WBL01

Quant Time: Jul 15 00:57:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Jul 14 00:52:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	41922	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	225912	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	197890	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	107857	29.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.83%
60) 4-Bromofluorobenzene	12.38	95	84464	25.08	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	83.60%
63) Toluene-d8	10.06	98	282225	30.18	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.60%

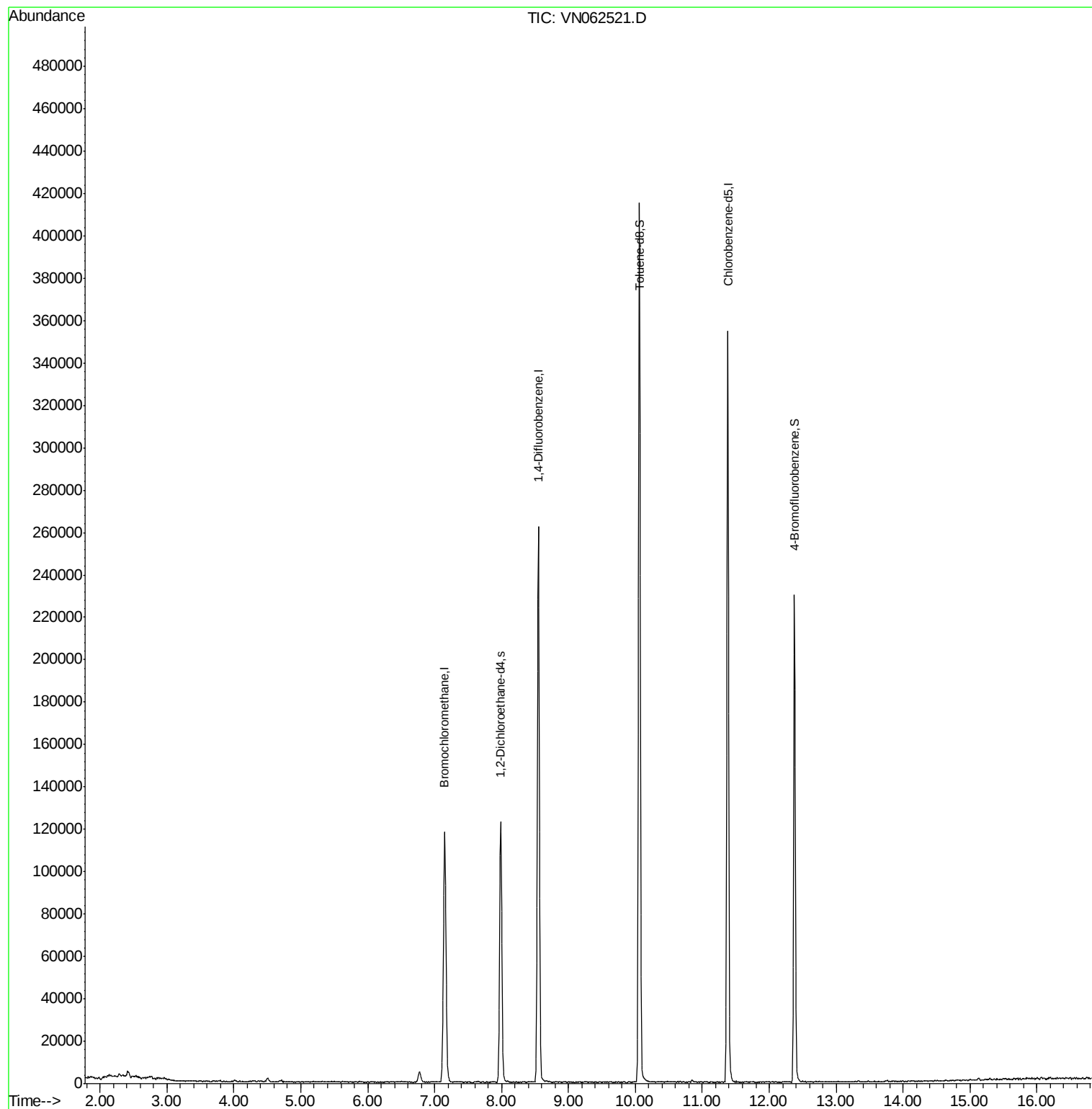
Target Compounds	Ovalue

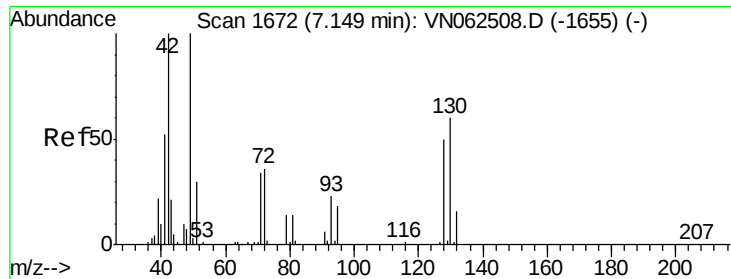
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN062521.D

Acq: 14 Jul 2020 10:39

Instrument :

MSVOA_N

ClientSampled :

VN0714WBL01

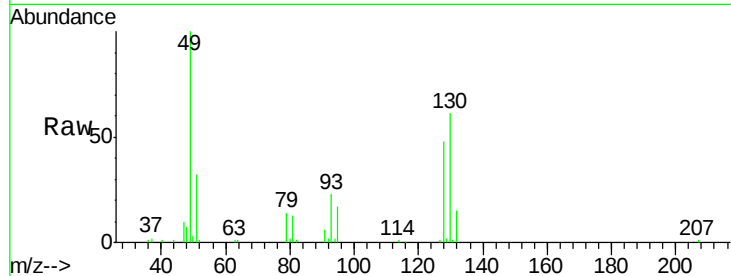
Tot Ion:128 Resp: 41922

Ion Ratio Lower Upper

128 100

49 209.8 0.0 525.0

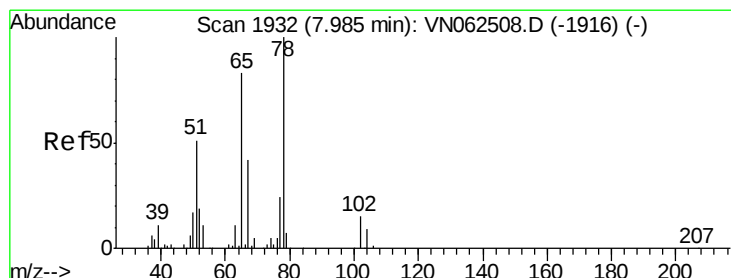
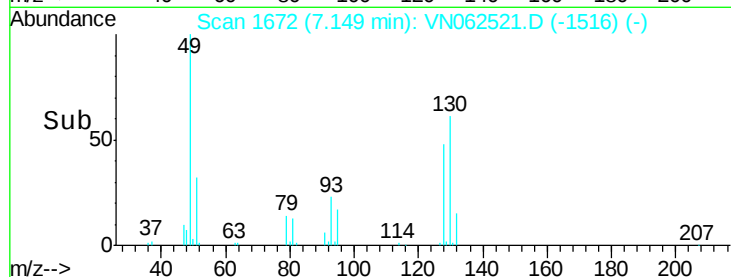
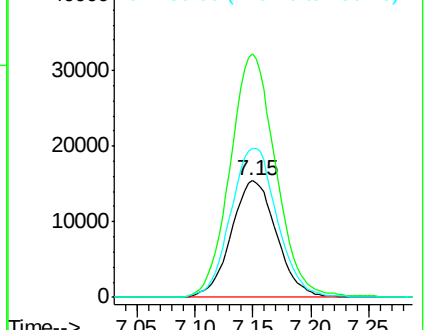
130 131.3 0.0 319.8



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



#27

1,2-Dichloroethane-d4

Concen: 29.949 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062521.D

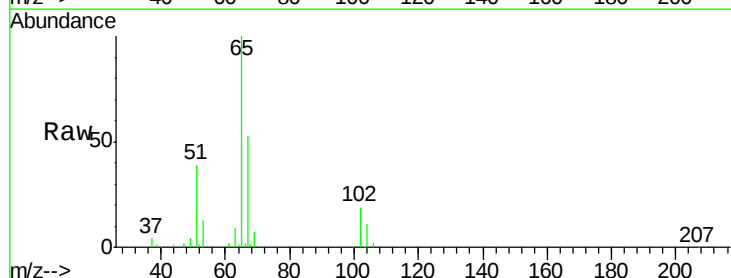
Acq: 14 Jul 2020 10:39

Tgt Ion: 65 Resp: 107857

Ion Ratio Lower Upper

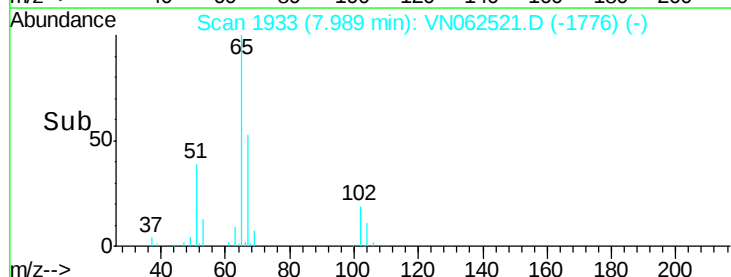
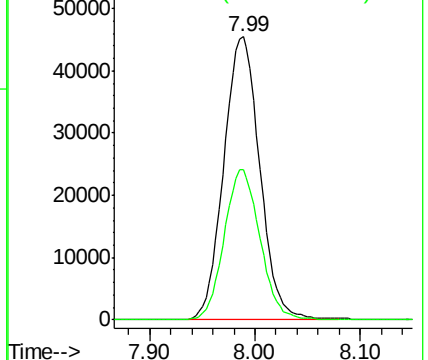
65 100

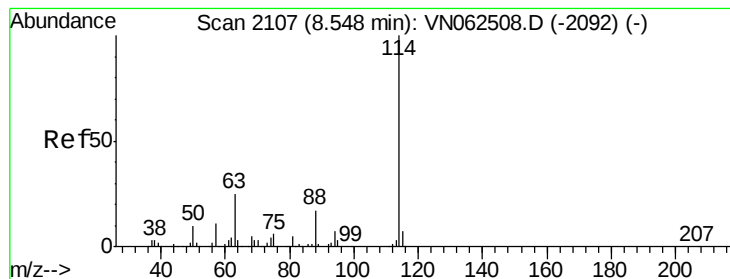
67 52.3 41.7 62.5



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062521.D

Acq: 14 Jul 2020 10:39

Instrument :

MSVOA_N

ClientSampled :

VN0714WBL01

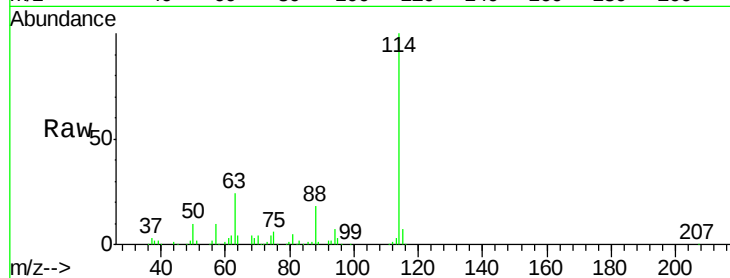
Tot Ion:114 Resp: 225912

Ion Ratio Lower Upper

114 100

63 23.7 19.4 29.0

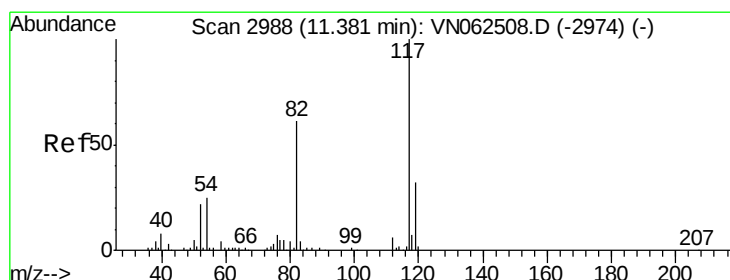
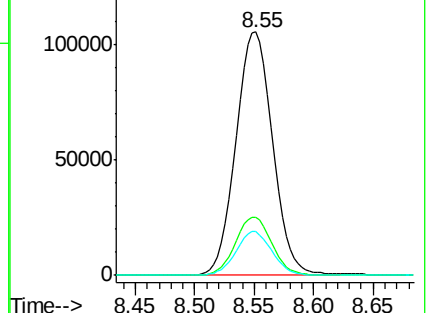
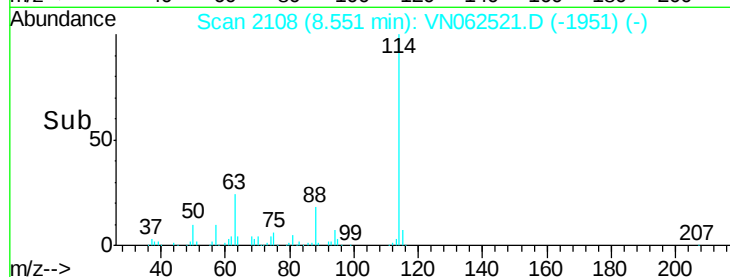
88 17.6 13.5 20.3



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



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062521.D

Acq: 14 Jul 2020 10:39

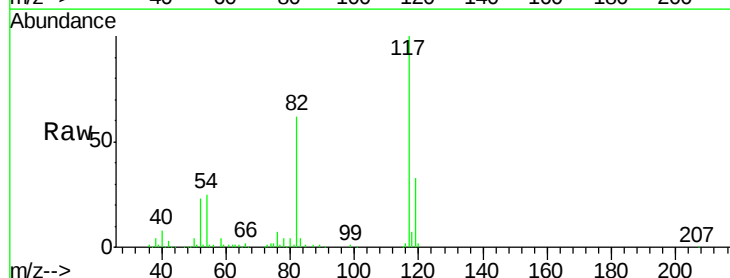
Tgt Ion:117 Resp: 197890

Ion Ratio Lower Upper

117 100

82 61.6 49.0 73.6

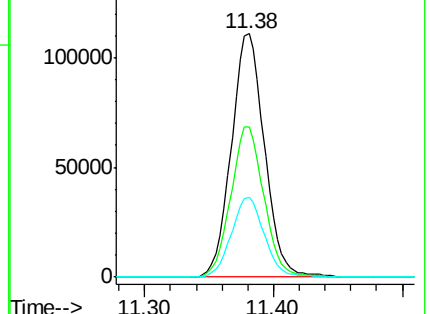
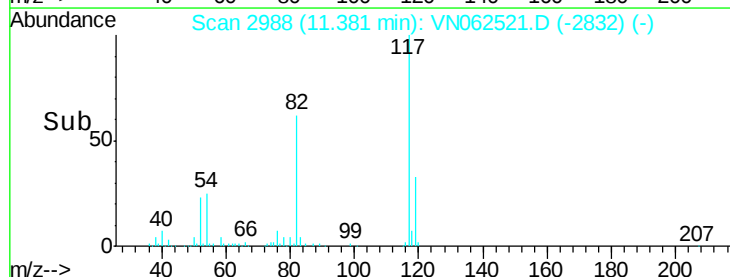
119 32.6 25.6 38.4

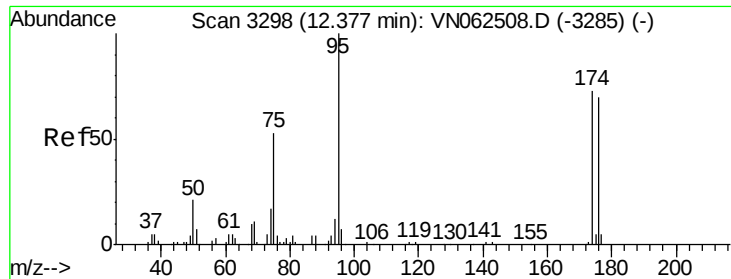


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: 25.081 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062521.D

Acq: 14 Jul 2020 10:39

Instrument :

MSVOA_N

ClientSampleId :

VN0714WBL01

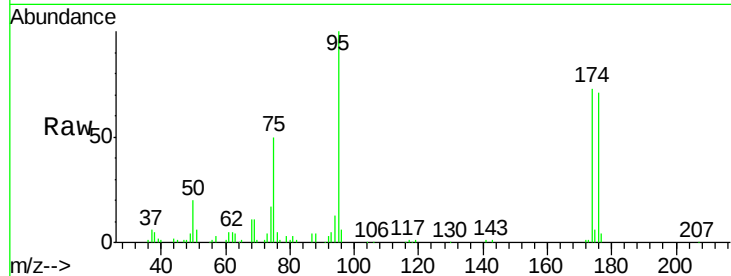
Tot Ion: 95 Resp: 84464

Ion Ratio Lower Upper

95 100

174 72.7 57.5 86.3

176 70.8 56.3 84.5

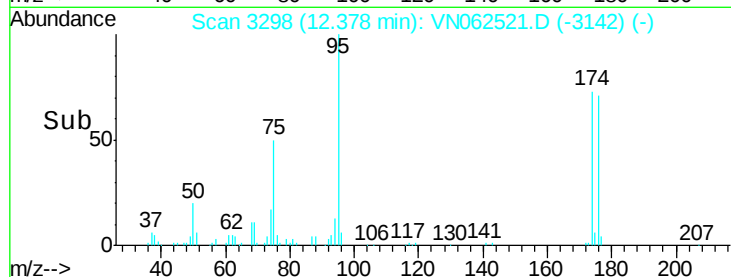


Abundance Ion 95.00 (94.70 to 95.70): VN062508.D (-3285) (-)

Ion 174.00 (173.70 to 174.70): VN062508.D (-3285) (-)

Ion 176.00 (175.70 to 176.70): VN062508.D (-3285) (-)

Time-->

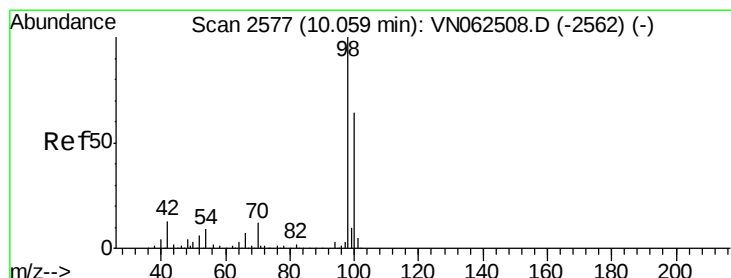


Abundance Ion 95.00 (94.70 to 95.70): VN062521.D (-3142) (-)

Ion 174.00 (173.70 to 174.70): VN062521.D (-3142) (-)

Ion 176.00 (175.70 to 176.70): VN062521.D (-3142) (-)

Time-->



#63

Toluene-d8

Concen: 30.182 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062521.D

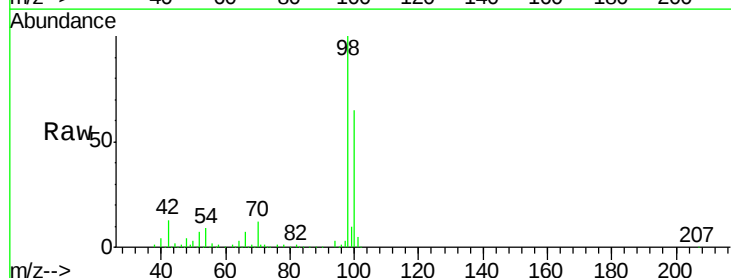
Acq: 14 Jul 2020 10:39

Tgt Ion: 98 Resp: 282225

Ion Ratio Lower Upper

98 100

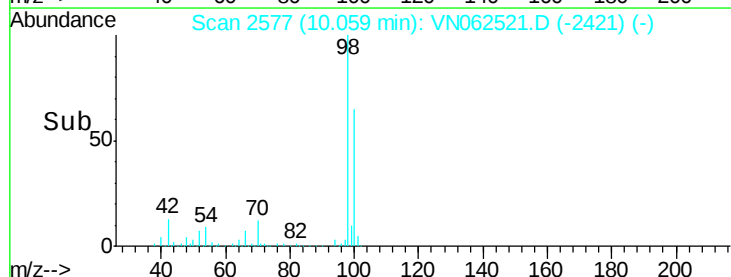
100 64.3 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN062508.D (-2562) (-)

Ion 100.00 (99.70 to 100.70): VN062508.D (-2562) (-)

Time-->



Abundance Ion 98.00 (97.70 to 98.70): VN062521.D (-2421) (-)

Ion 100.00 (99.70 to 100.70): VN062521.D (-2421) (-)

Time-->