

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX040818\
 Data File : VX000740.D
 Acq On : 08 Apr 2018 19:03
 Operator : JC/MD
 Sample : J2216-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-MW27S-GW

Quant Time: Apr 09 08:07:42 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X040718W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 07 17:01:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	312910	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	432304	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	402698	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	241661	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	156942	43.86	ug/l	0.00
Spiked Amount			Recovery	=	87.72%	
35) Dibromofluoromethane	5.51	113	136039	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
50) Toluene-d8	8.73	98	494638	46.71	ug/l	0.00
Spiked Amount			Recovery	=	93.42%	
62) 4-Bromofluorobenzene	11.15	95	202232	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	

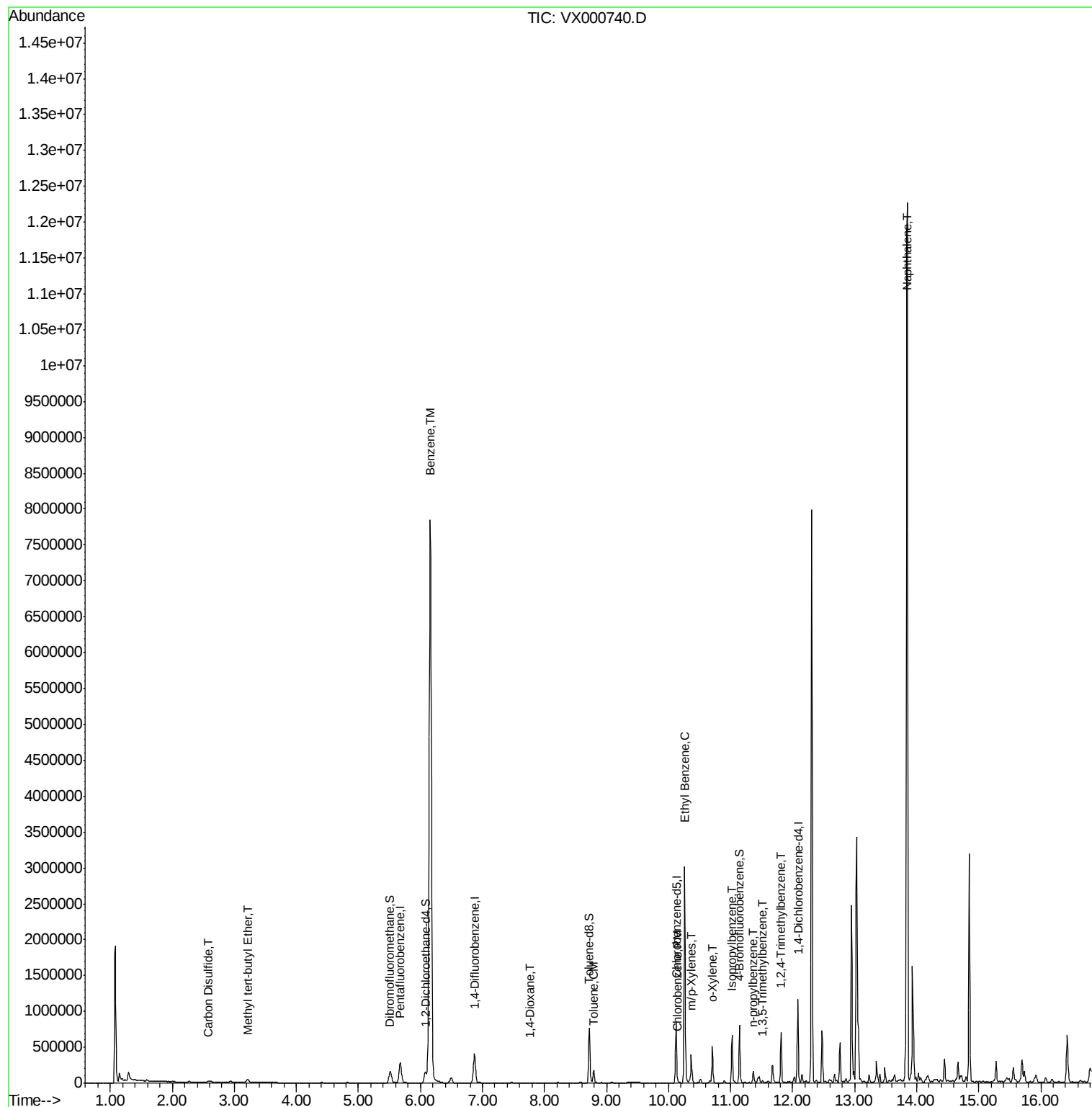
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Carbon Disulfide	2.57	76	15850	1.74	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	46908	5.75	ug/l	99
40) Benzene	6.16	78	9481099	910.40	ug/l	98
49) 1,4-Dioxane	7.77	88	2132	30.68	ug/l	94
52) Toluene	8.79	92	65474	9.43	ug/l	100
65) Chlorobenzene	10.15	112	2195	0.26	ug/l	98
67) Ethyl Benzene	10.26	91	1862497	133.96	ug/l	100
68) m/p-Xylenes	10.37	106	93396	17.17	ug/l	99
69) o-Xylene	10.71	106	111932	20.97	ug/l	100
73) Isopropylbenzene	11.02	105	352198	24.38	ug/l	99
78) n-propylbenzene	11.37	91	92737	5.59	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	12378	0.99	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	317712	24.52	ug/l	99
95) Naphthalene	13.85	128	8033348	481.16	ug/l	98

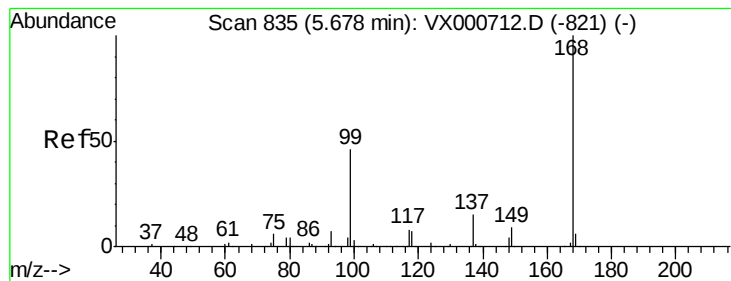
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000740.D

Acq: 08 Apr 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

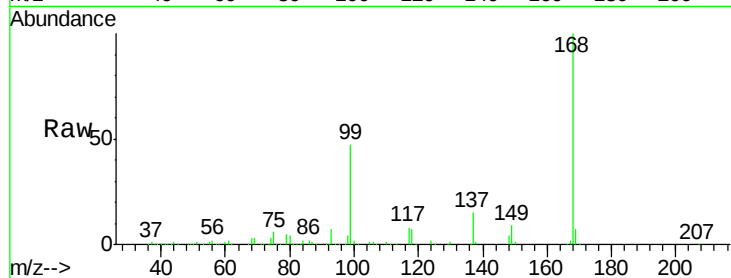
QNWP8-MW27S-GW

Tot Ion:168 Resp: 312910

Ion Ratio Lower Upper

168 100

99 46.9 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

120000

100000

80000

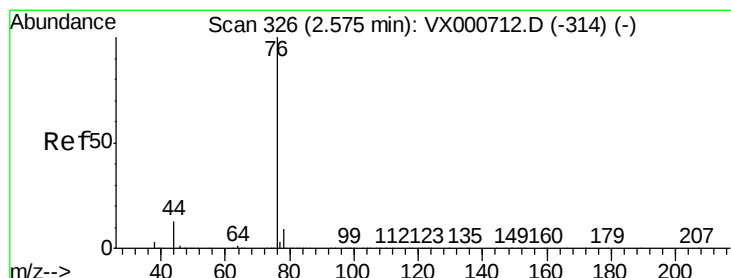
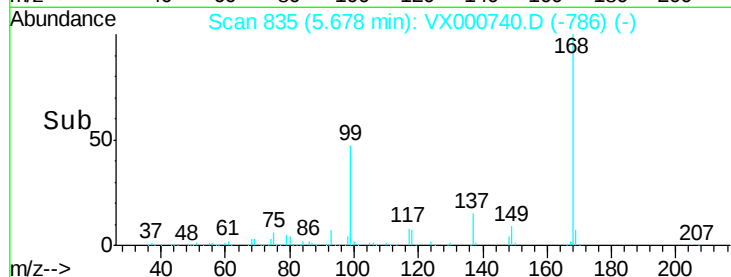
60000

40000

20000

0

Time-->



#17

Carbon Disulfide

Concen: 1.74 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000740.D

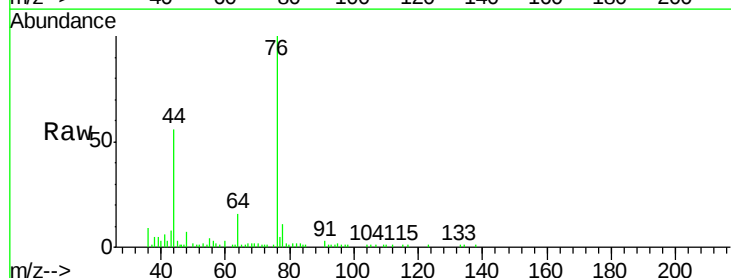
Acq: 08 Apr 2018 19:03

Tgt Ion: 76 Resp: 15850

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

10000

8000

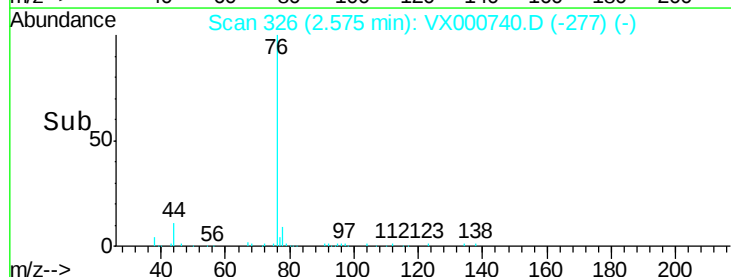
6000

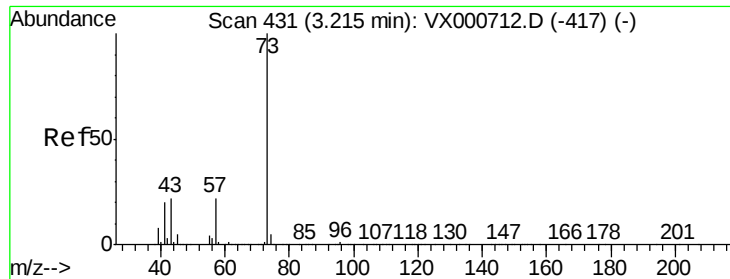
4000

2000

0

Time-->

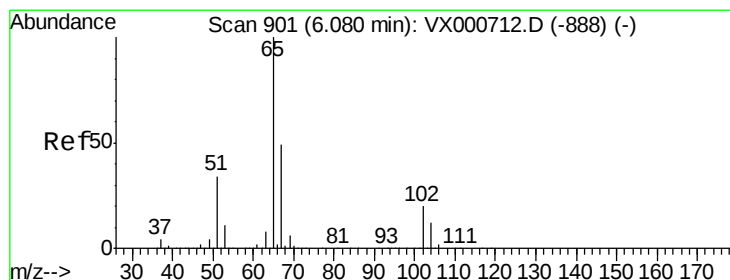
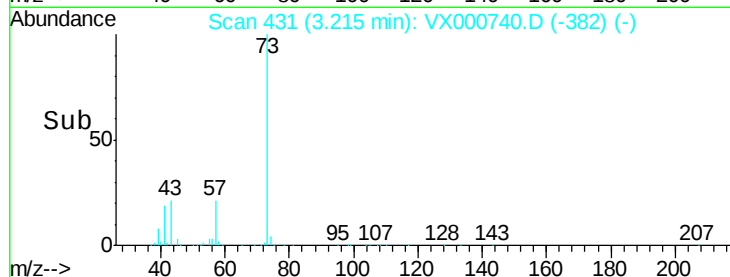
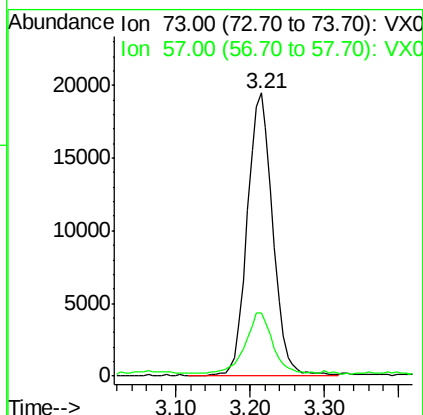
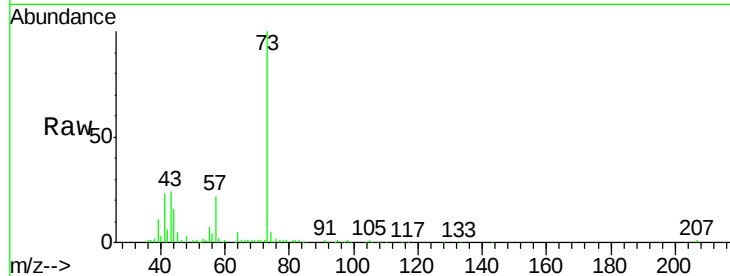




#19
Methvl tert-butvl Ether
Concen: 5.75 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX000740.D
Acq: 08 Apr 2018 19:03

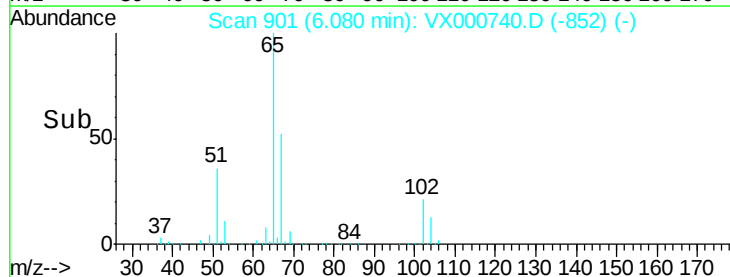
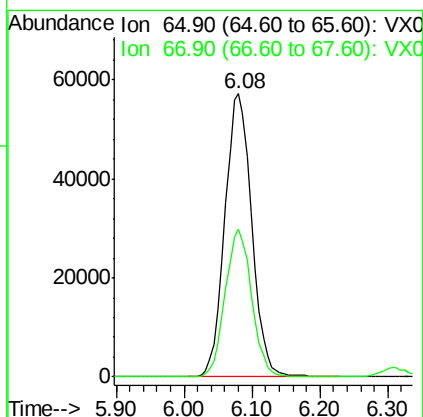
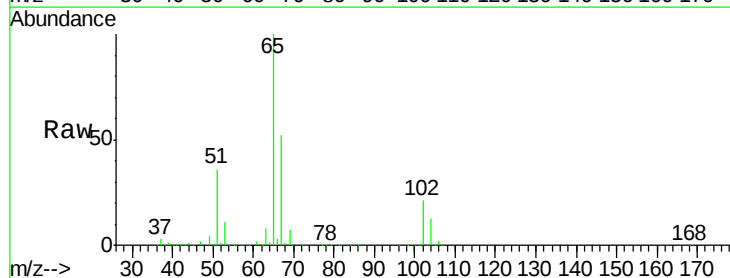
Instrument :
MSVOA_X
ClientSampleId :
QNWP8-MW27S-GW

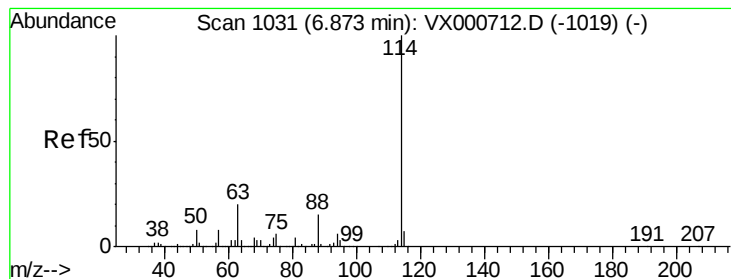
Tot Ion: 73 Resp: 46908
Ion Ratio Lower Upper
73 100
57 21.3 17.3 25.9



#33
1,2-Dichloroethane-d4
Concen: 43.86 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VX000740.D
Acq: 08 Apr 2018 19:03

Tgt Ion: 65 Resp: 156942
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000740.D

Acq: 08 Apr 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-MW27S-GW

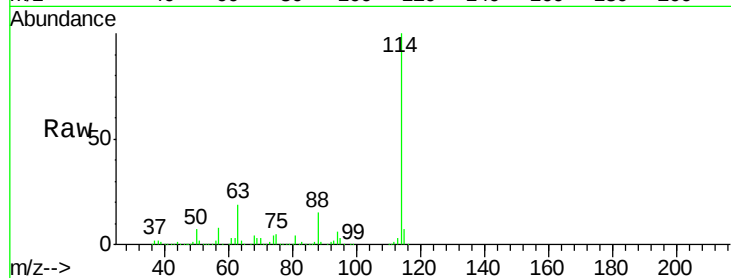
Tot Ion:114 Resp: 432304

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.6

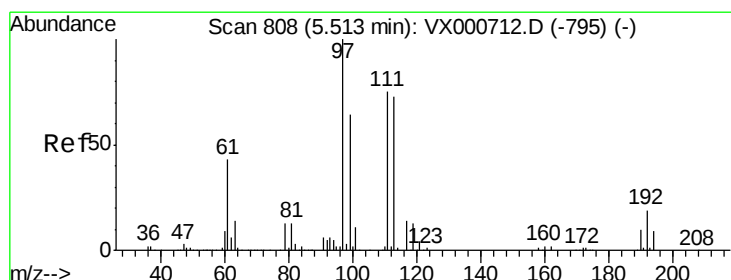
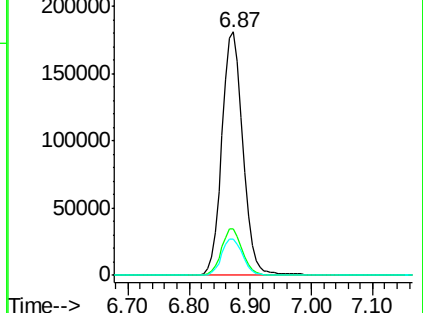
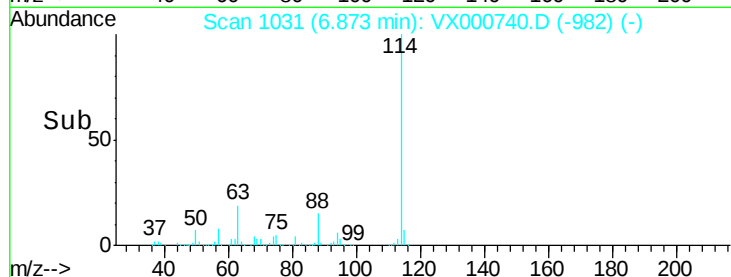
88 15.2 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.69 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000740.D

Acq: 08 Apr 2018 19:03

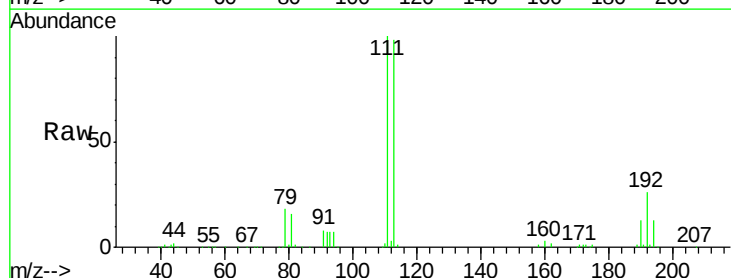
Tgt Ion:113 Resp: 136039

Ion Ratio Lower Upper

113 100

111 101.2 81.5 122.3

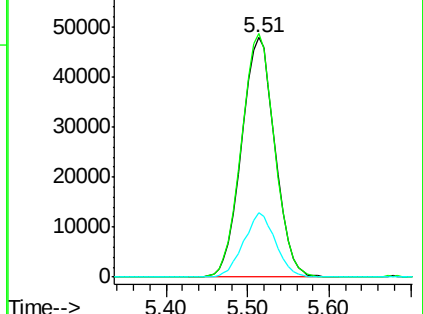
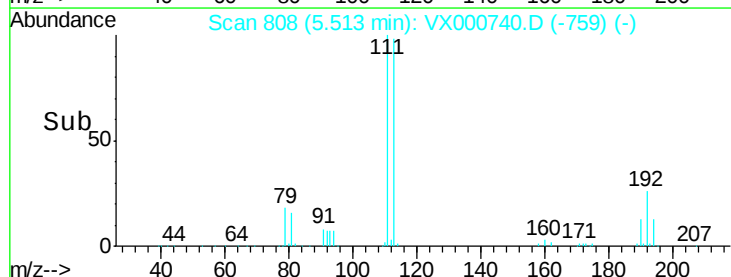
192 25.8 20.0 30.0

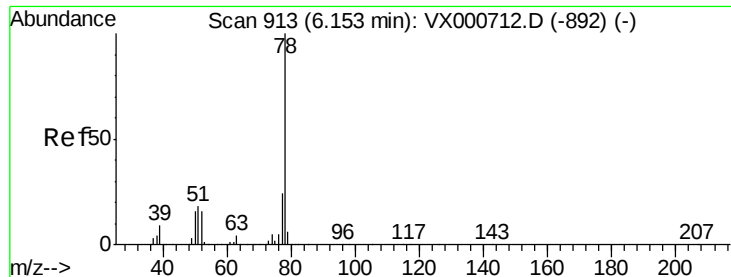


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 910.40 ug/l

RT: 6.16 min Scan# 914

Delta R.T. 0.01 min

Lab File: VX000740.D

Acq: 08 Apr 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

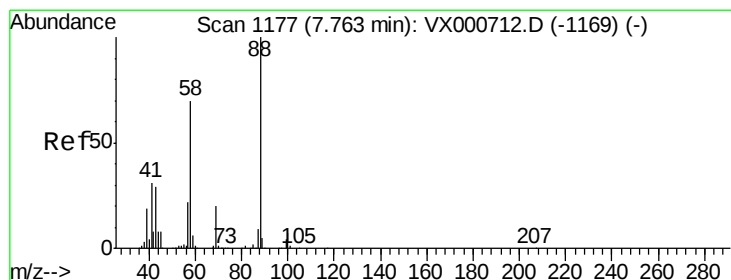
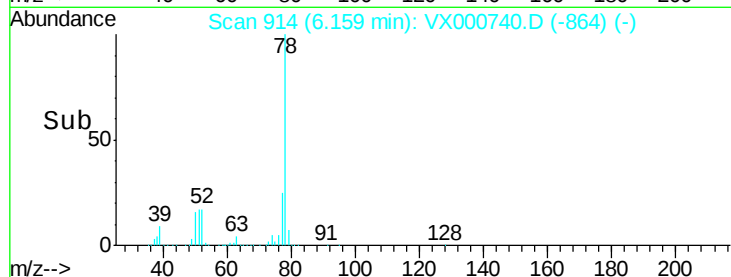
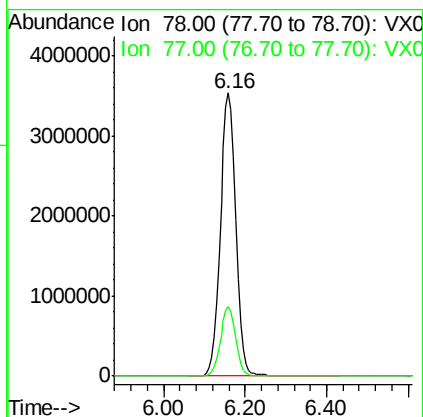
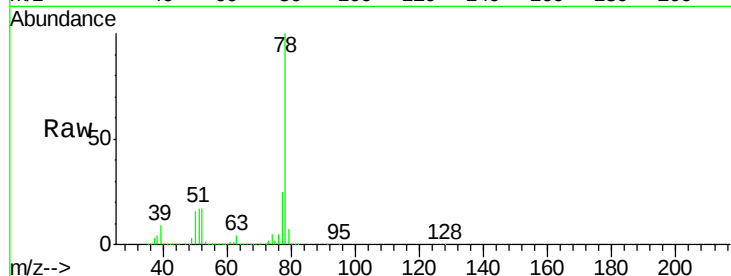
QNWP8-MW27S-GW

Tot Ion: 78 Resp: 9481099

Ion Ratio Lower Upper

78 100

77 24.6 19.0 28.4



#49

1,4-Dioxane

Concen: 30.68 ug/l

RT: 7.77 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VX000740.D

Acq: 08 Apr 2018 19:03

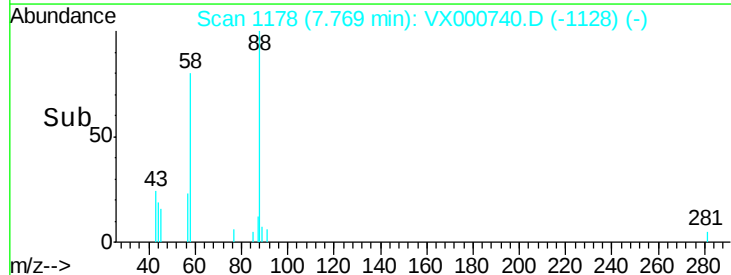
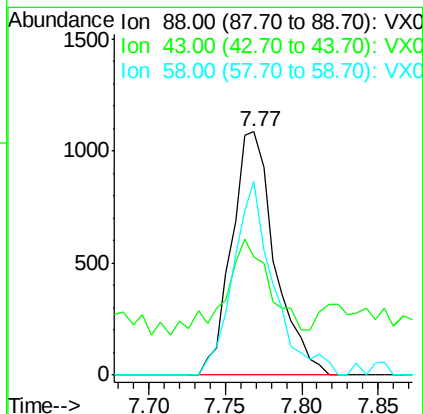
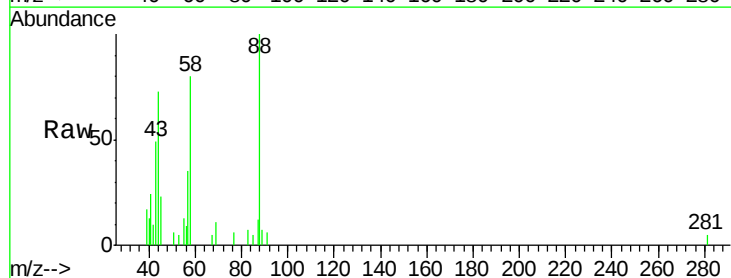
Tgt Ion: 88 Resp: 2132

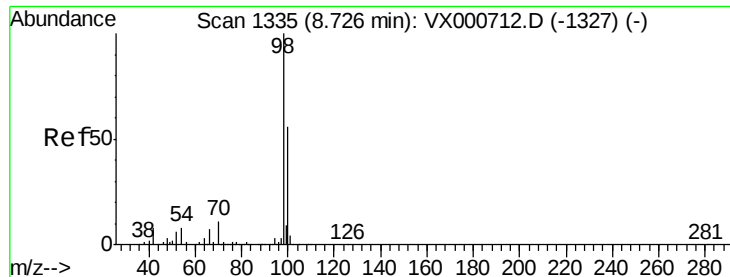
Ion Ratio Lower Upper

88 100

43 41.1 27.9 41.9

58 74.2 57.0 85.4





#50

Toluene-d8

Concen: 46.71 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000740.D

Acq: 08 Apr 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

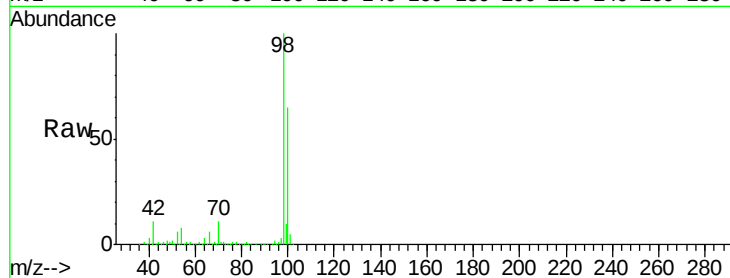
QNWP8-MW27S-GW

Tot Ion: 98 Resp: 494638

Ion Ratio Lower Upper

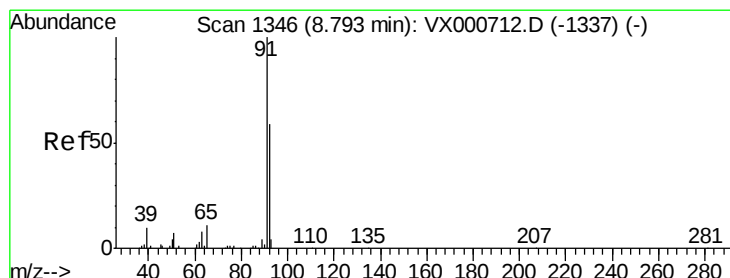
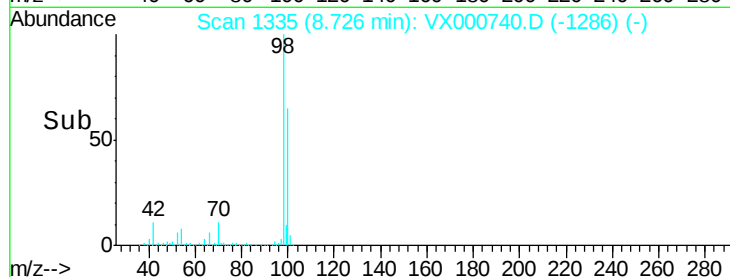
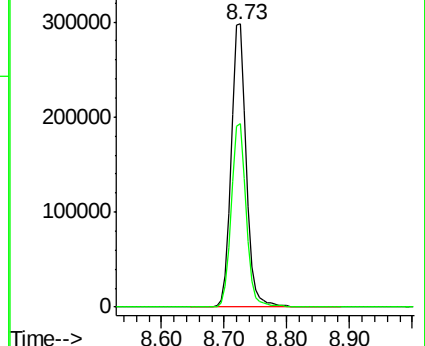
98 100

100 64.7 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#52

Toluene

Concen: 9.43 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000740.D

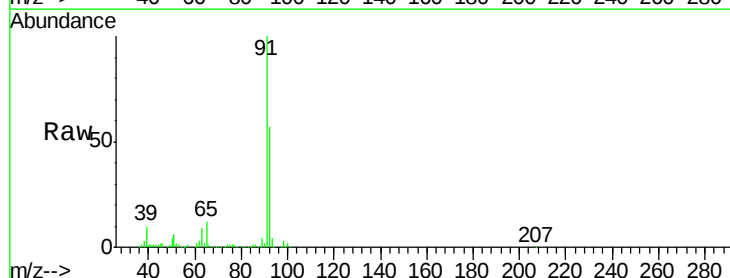
Acq: 08 Apr 2018 19:03

Tgt Ion: 92 Resp: 65474

Ion Ratio Lower Upper

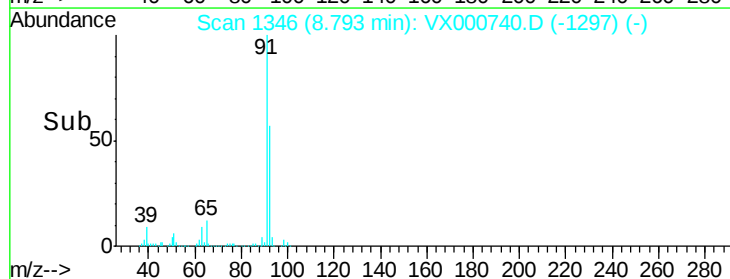
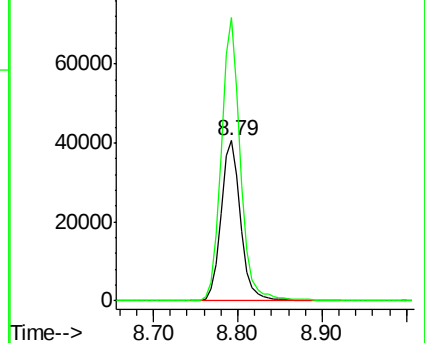
92 100

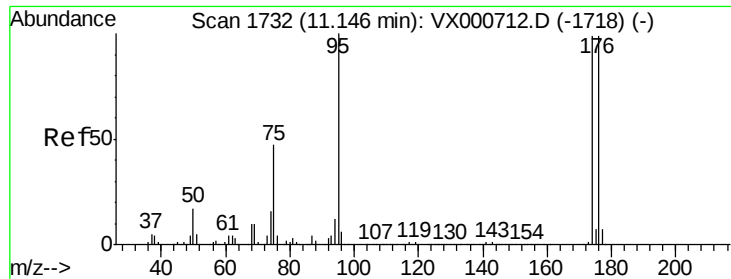
91 170.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

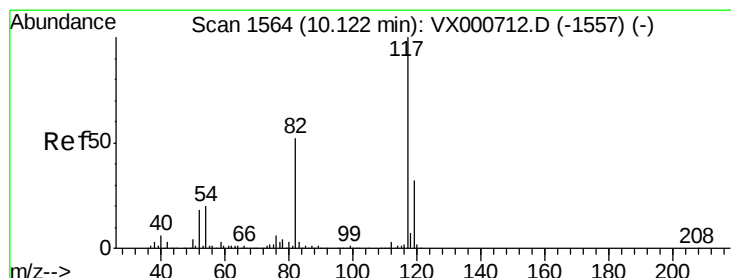
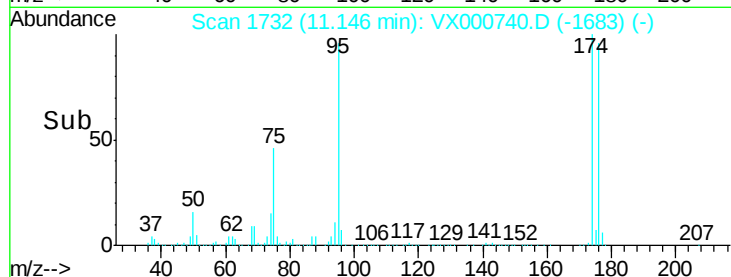
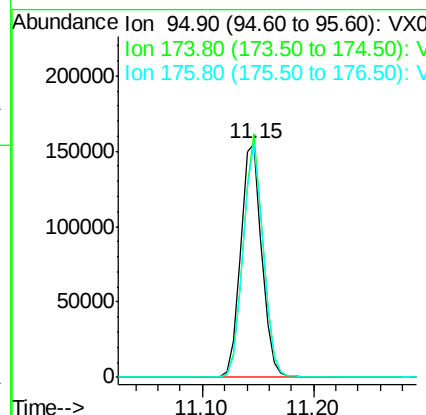
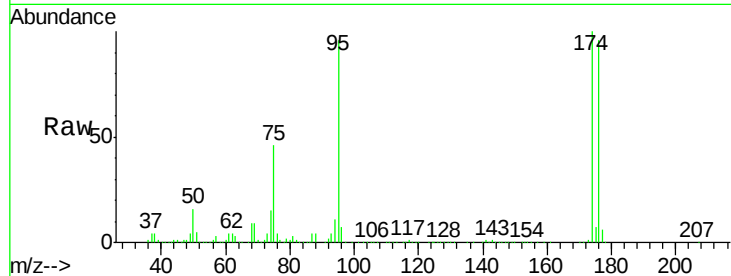




#62
4-Bromofluorobenzene
Concen: 45.98 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000740.D
Acq: 08 Apr 2018 19:03

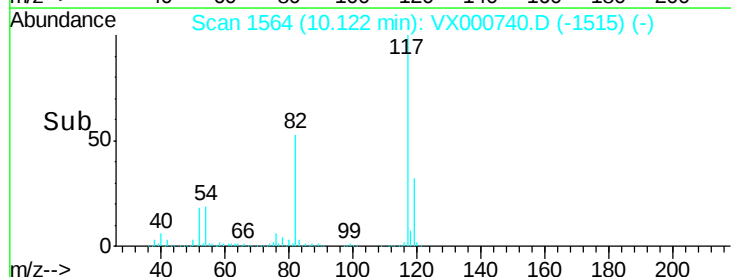
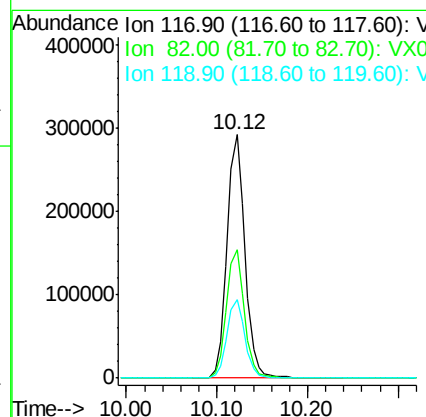
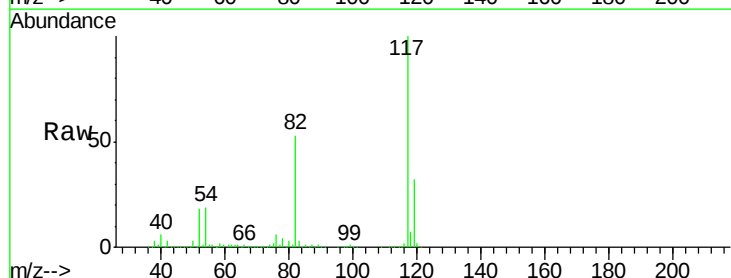
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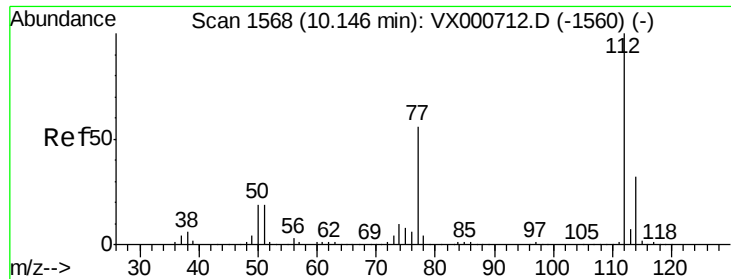
Tot Ion: 95 Resp: 202232
Ion Ratio Lower Upper
95 100
174 98.5 0.0 191.6
176 96.2 0.0 187.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000740.D
Acq: 08 Apr 2018 19:03

Tgt Ion: 117 Resp: 402698
Ion Ratio Lower Upper
117 100
82 52.6 41.9 62.9
119 32.4 25.8 38.8

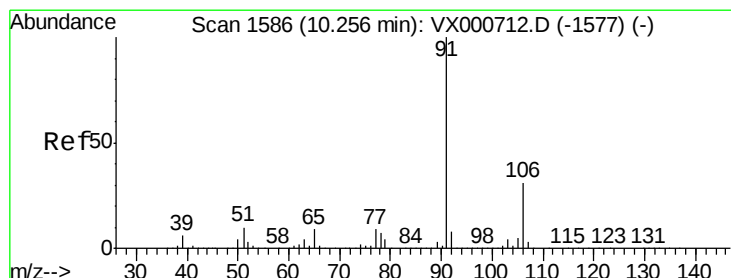
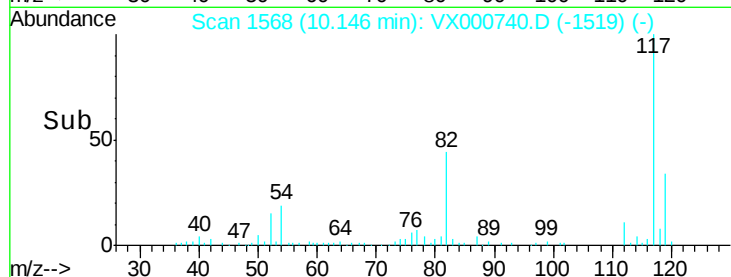
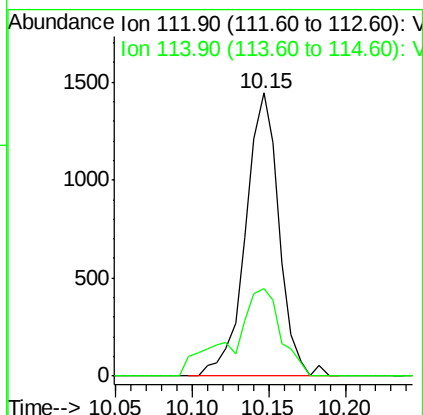
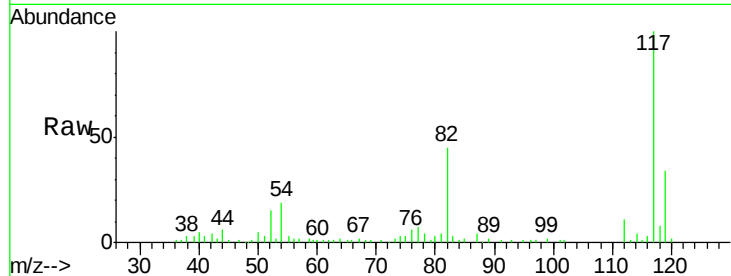




#65
Chlorobenzene
Concen: 0.26 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000740.D
Acq: 08 Apr 2018 19:03

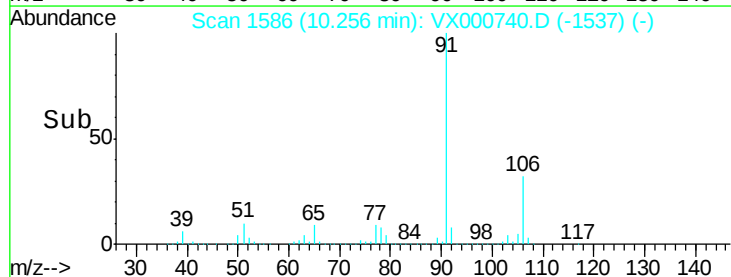
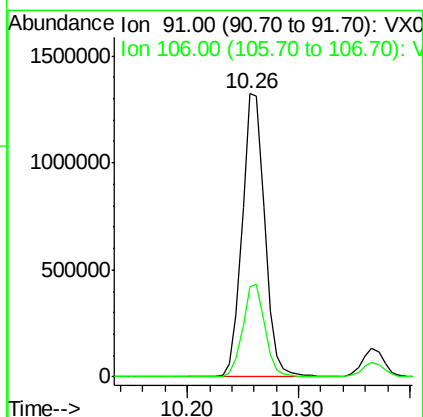
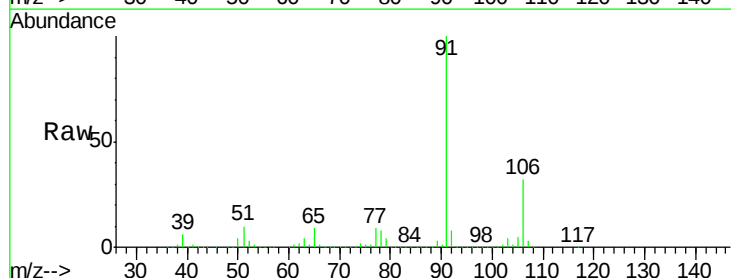
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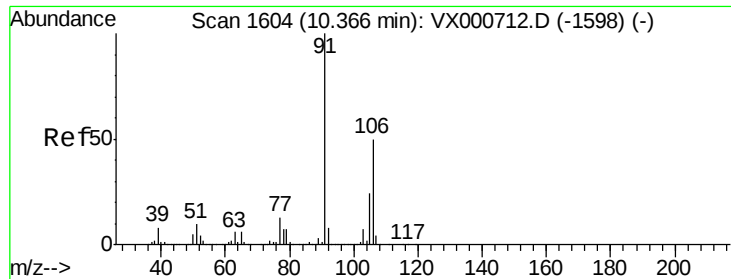
Tot Ion:112 Resp: 2195
Ion Ratio Lower Upper
112 100
114 30.9 25.8 38.6



#67
Ethyl Benzene
Concen: 133.96 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX000740.D
Acq: 08 Apr 2018 19:03

Tgt Ion: 91 Resp: 1862497
Ion Ratio Lower Upper
91 100
106 31.6 25.1 37.7

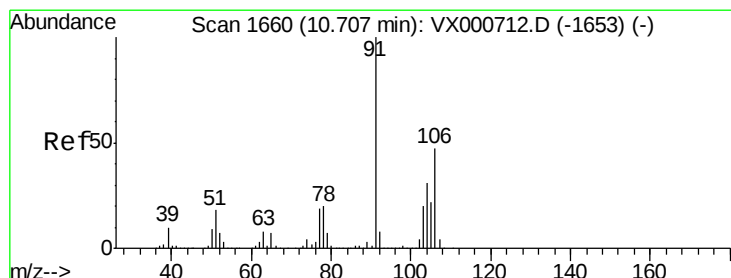
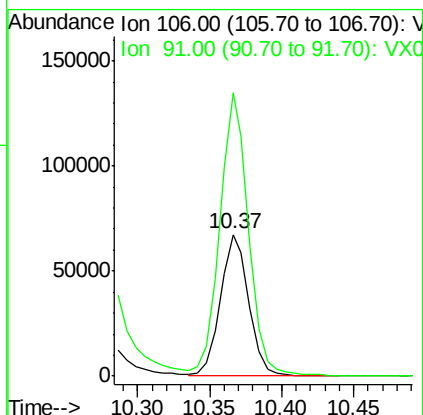
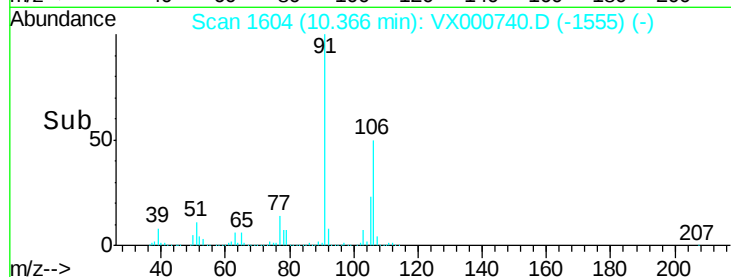
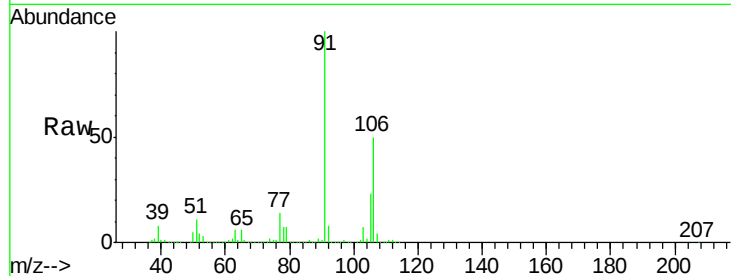




#68
m/p-Xylenes
Concen: 17.17 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000740.D
Acq: 08 Apr 2018 19:03

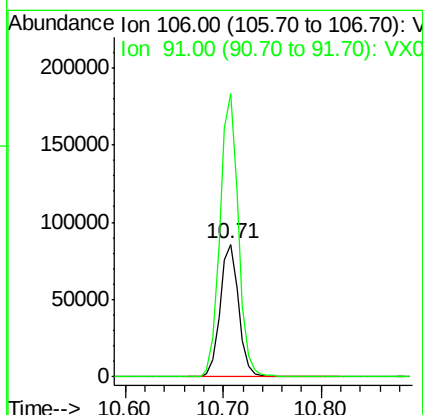
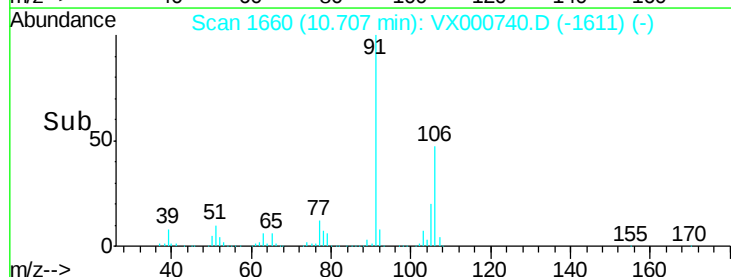
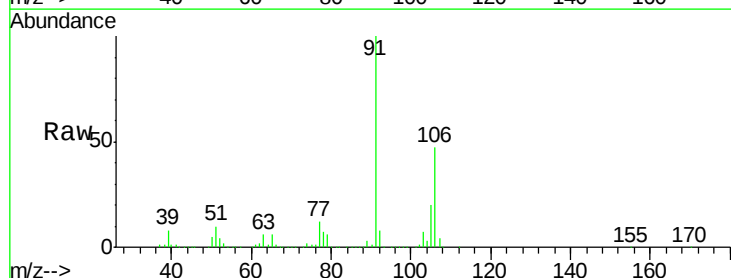
Instrument :
MSVOA_X
ClientSampleId :
QNWP8-MW27S-GW

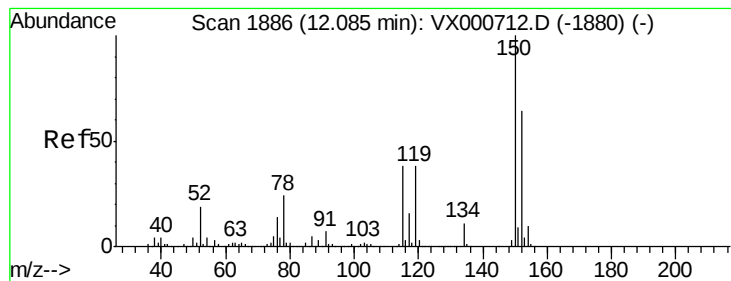
Tot Ion:106 Resp: 93396
Ion Ratio Lower Upper
106 100
91 201.0 159.7 239.5



#69
o-Xylene
Concen: 20.97 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000740.D
Acq: 08 Apr 2018 19:03

Tgt Ion:106 Resp: 111932
Ion Ratio Lower Upper
106 100
91 212.2 106.1 318.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX000740.D

Acq: 08 Apr 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-MW27S-GW

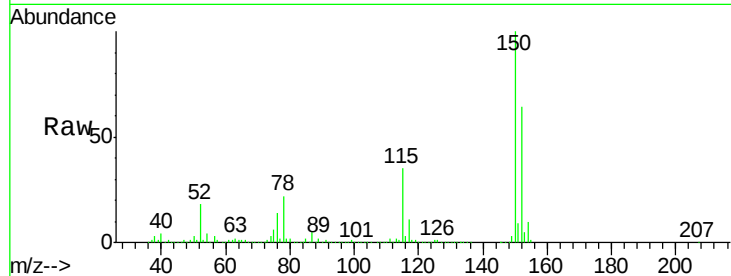
Tot Ion:152 Resp: 241661

Ion Ratio Lower Upper

152 100

115 53.9 37.7 113.1

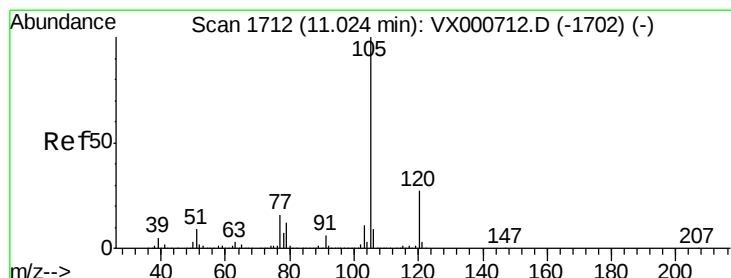
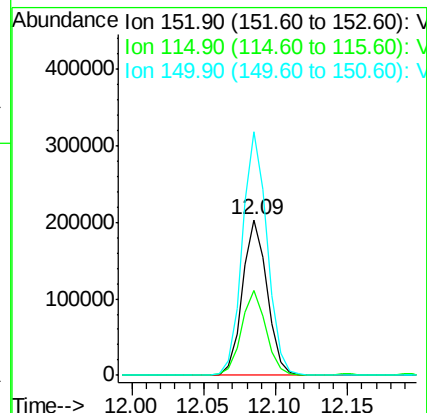
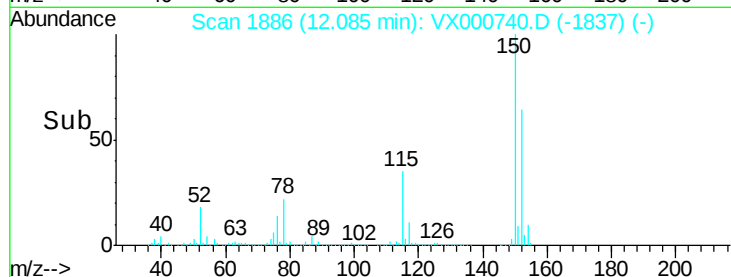
150 157.4 0.0 345.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 24.38 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX000740.D

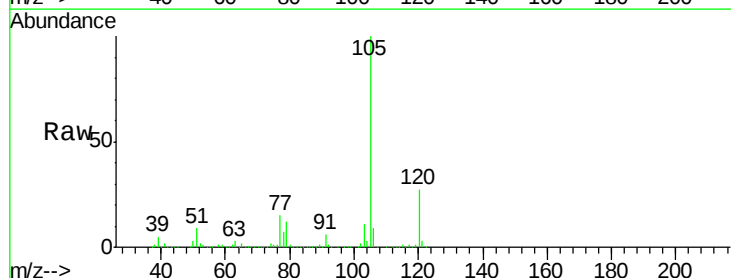
Acq: 08 Apr 2018 19:03

Tgt Ion:105 Resp: 352198

Ion Ratio Lower Upper

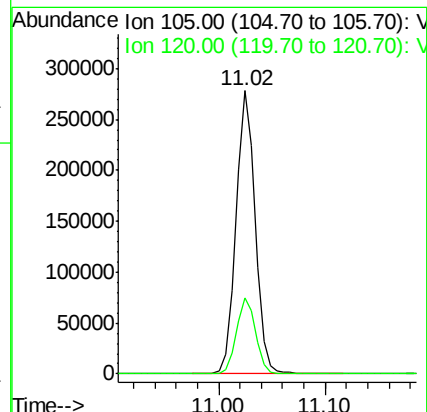
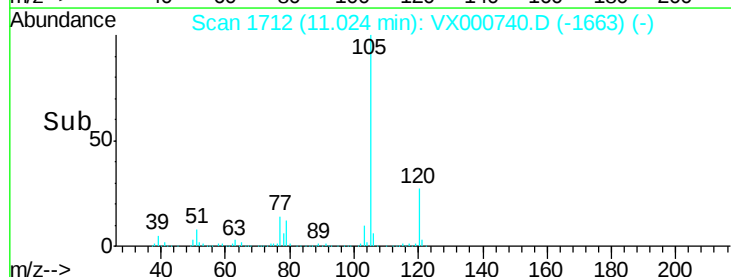
105 100

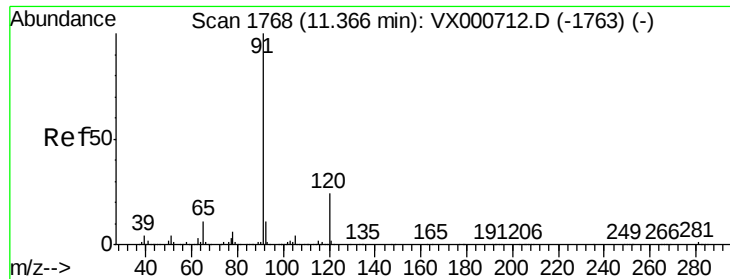
120 27.0 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 5.59 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX000740.D

Acq: 08 Apr 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

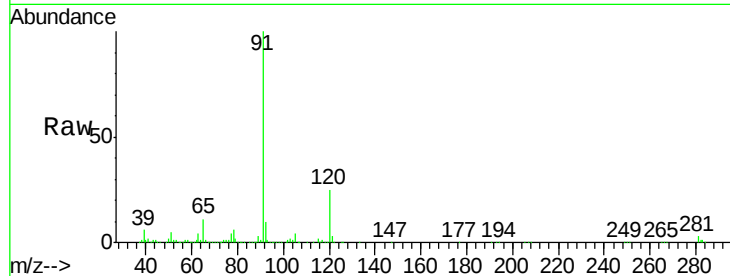
QNWP8-MW27S-GW

Tot Ion: 91 Resp: 92737

Ion Ratio Lower Upper

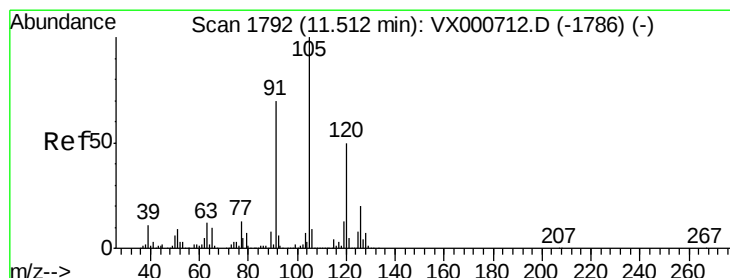
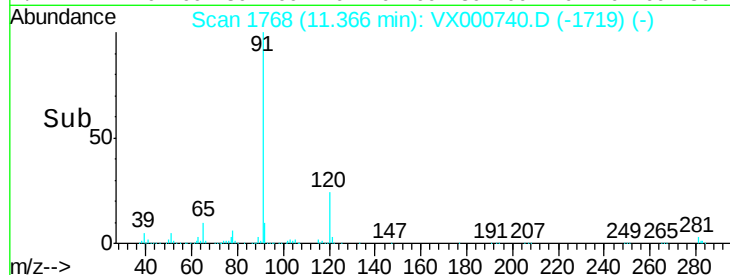
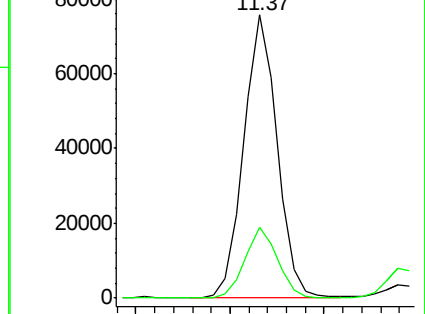
91 100

120 24.6 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX000740.D (-1719) (-)

Ion 120.00 (119.70 to 120.70): VX000740.D (-1719) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.99 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX000740.D

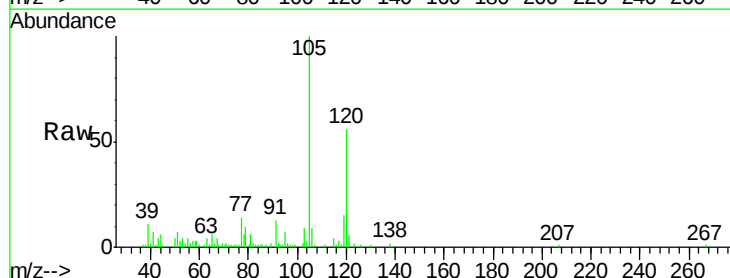
Acq: 08 Apr 2018 19:03

Tgt Ion: 105 Resp: 12378

Ion Ratio Lower Upper

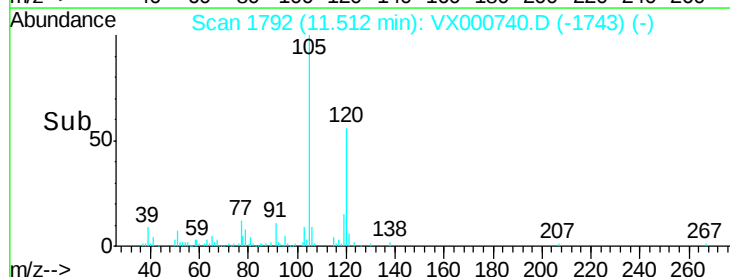
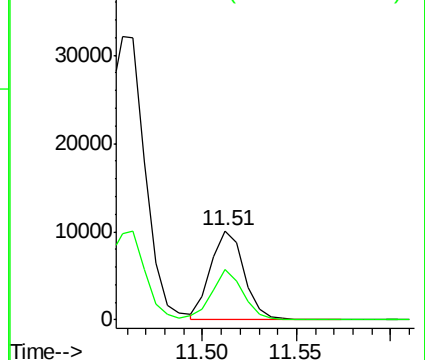
105 100

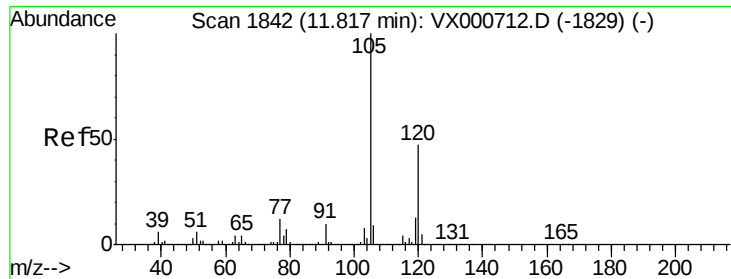
120 52.9 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VX000740.D (-1743) (-)

Ion 120.00 (119.70 to 120.70): VX000740.D (-1743) (-)





#84

1,2,4-Trimethylbenzene

Concen: 24.52 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.01 min

Lab File: VX000740.D

Acq: 08 Apr 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

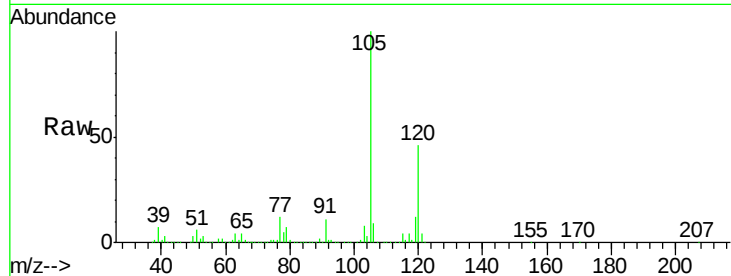
QNWP8-MW27S-GW

Tot Ion:105 Resp: 317712

Ion Ratio Lower Upper

105 100

120 46.3 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.81

250000

200000

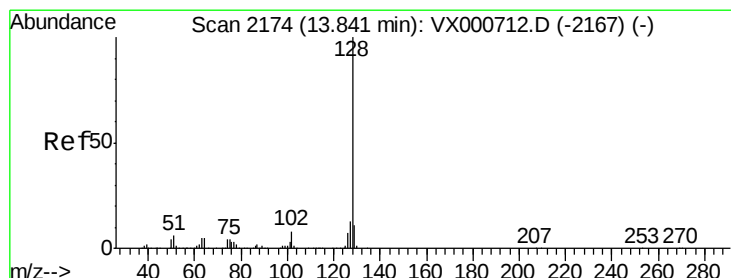
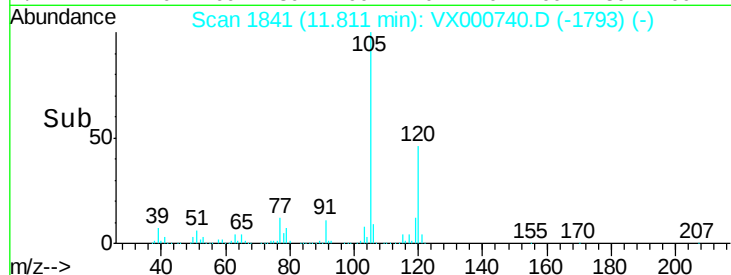
150000

100000

50000

0

Time--> 11.70 11.80 11.90



#95

Naphthalene

Concen: 481.16 ug/l

RT: 13.85 min Scan# 2175

Delta R.T. 0.01 min

Lab File: VX000740.D

Acq: 08 Apr 2018 19:03

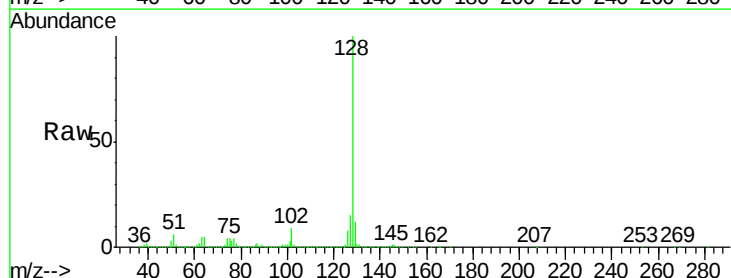
Tgt Ion:128 Resp: 8033348

Ion Ratio Lower Upper

128 100

127 13.9 10.4 15.6

129 11.9 8.8 13.2



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

13.85

8000000

6000000

4000000

2000000

0

Time--> 13.80 13.90

