

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\
 Data File : VF059598.D
 Acq On : 20 Jul 2018 23:16
 Operator : VA/AP
 Sample : J3828-11
 Misc : 7.04g/5mL/MSVOA F/SOIL
 ALS Vial : 93 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EO-02-071818-C

Quant Time: Jul 21 04:08:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

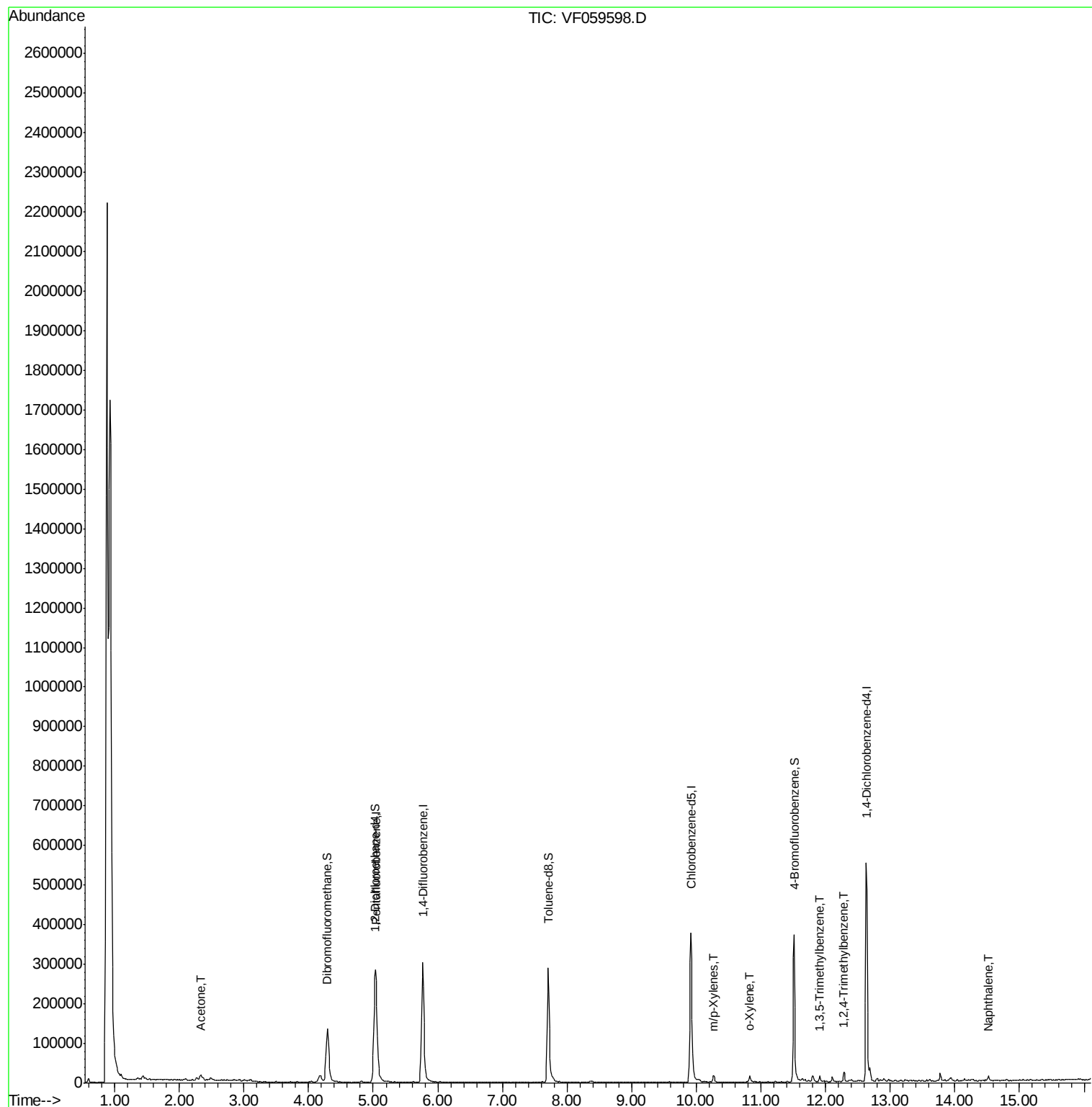
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	199084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	300792	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	260217	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.64	152	144268	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	139552	45.07	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	90.14%	
35) Dibromofluoromethane	4.29	113	128246	49.23	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	98.46%	
50) Toluene-d8	7.71	98	240748	36.69	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	73.38%	
62) 4-Bromofluorobenzene	11.51	95	130621	37.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.88%	
Target Compounds						
16) Acetone	2.33	43	20143	17.98	ug/l	93
68) m/p-Xylenes	10.26	106	6092	1.99	ug/l	87
69) o-Xylene	10.82	106	4262	1.31	ug/l	82
80) 1,3,5-Trimethylbenzene	11.92	105	8373	1.10	ug/l	86
84) 1,2,4-Trimethylbenzene	12.28	105	12607	1.61	ug/l	95
95) Naphthalene	14.52	128	7479	1.42	ug/l #	89

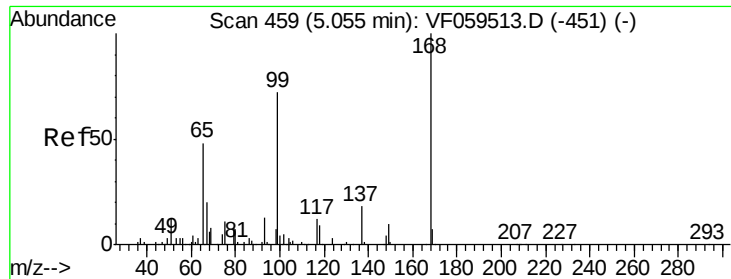
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF059598.D

Acq: 20 Jul 2018 23:16

Instrument :

MSVOA_F

ClientSampleId :

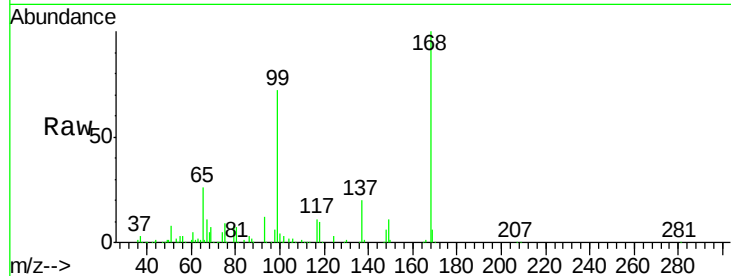
EO-02-071818-C

Tot Ion:168 Resp: 199084

Ion Ratio Lower Upper

168 100

99 71.9 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

60000

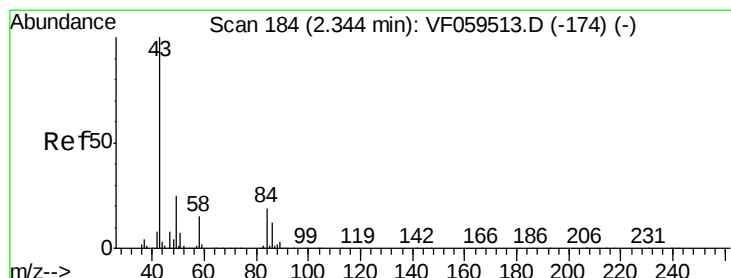
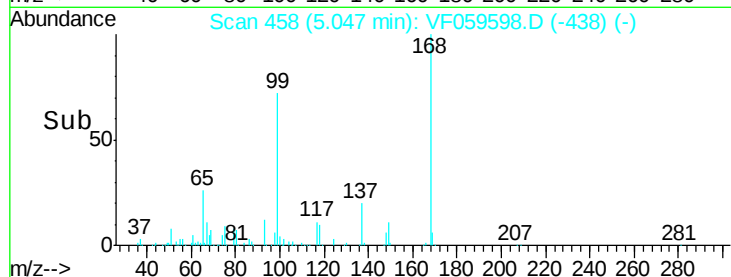
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#16

Acetone

Concen: 17.98 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.02 min

Lab File: VF059598.D

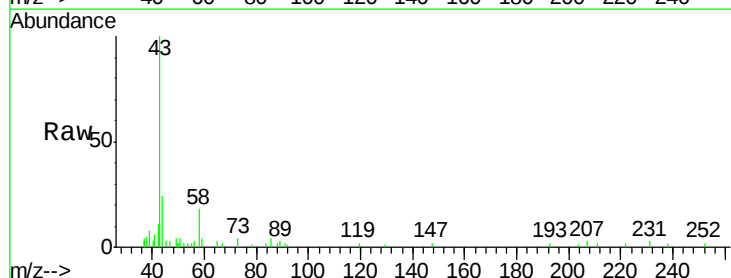
Acq: 20 Jul 2018 23:16

Tgt Ion: 43 Resp: 20143

Ion Ratio Lower Upper

43 100

58 17.6 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.33

8000

6000

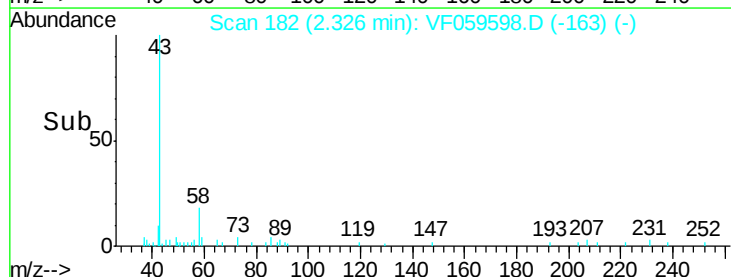
4000

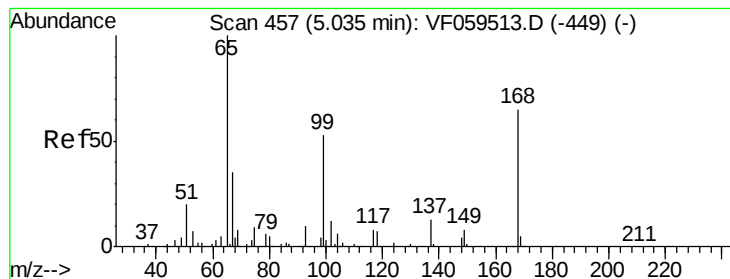
2000

0

2.25 2.30 2.35 2.40 2.45

Time-->





#33

1,2-Dichloroethane-d4

Concen: 45.07 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.02 min

Lab File: VF059598.D

Acq: 20 Jul 2018 23:16

Instrument :

MSVOA_F

ClientSampleId :

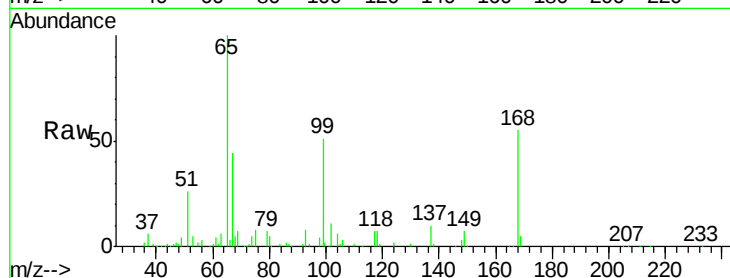
EO-02-071818-C

Tot Ion: 65 Resp: 139552

Ion Ratio Lower Upper

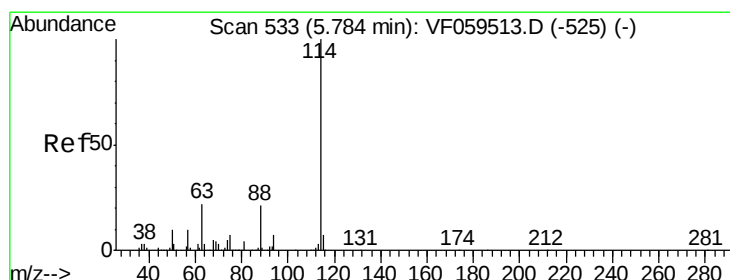
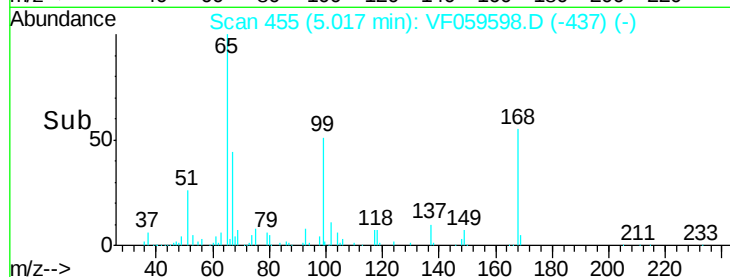
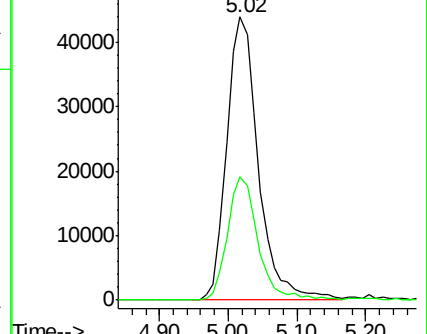
65 100

67 43.6 0.0 91.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.02 min

Lab File: VF059598.D

Acq: 20 Jul 2018 23:16

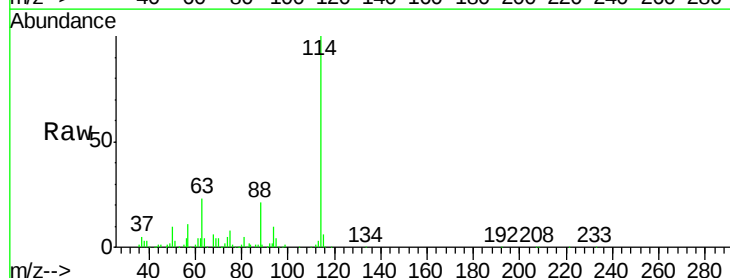
Tgt Ion: 114 Resp: 300792

Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.8

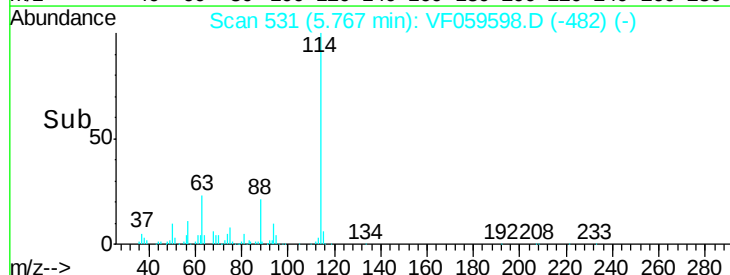
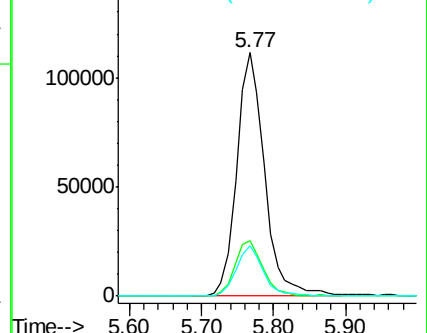
88 20.8 0.0 42.6

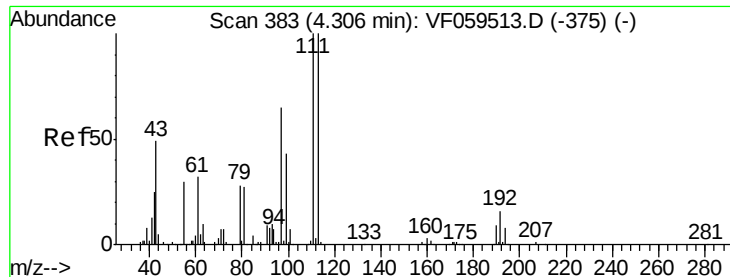


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

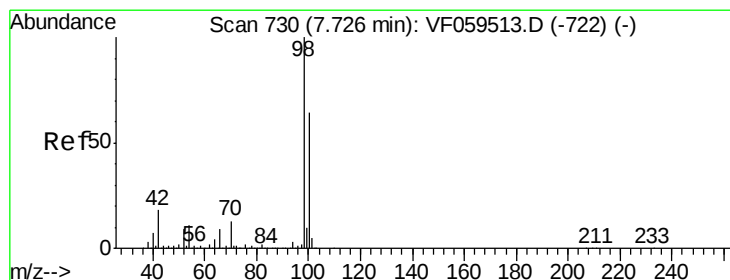
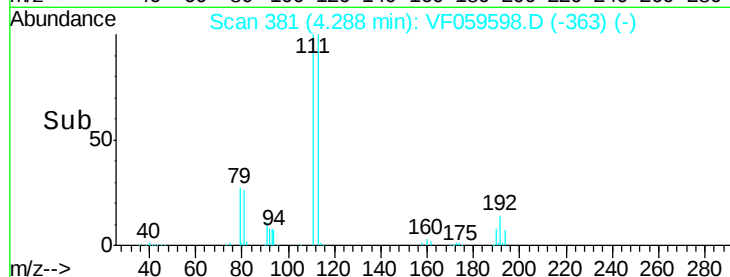
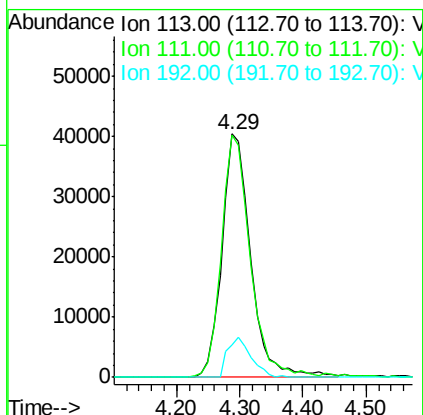
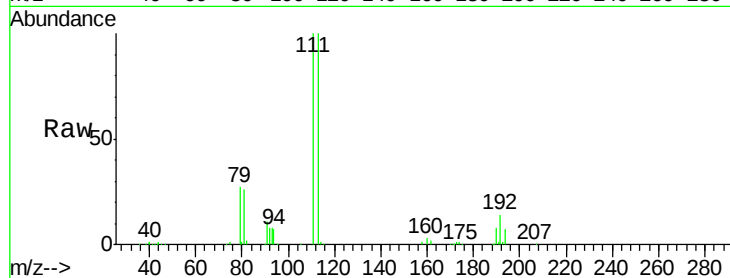




#35
Dibromofluoromethane
Concen: 49.23 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF059598.D
Acq: 20 Jul 2018 23:16

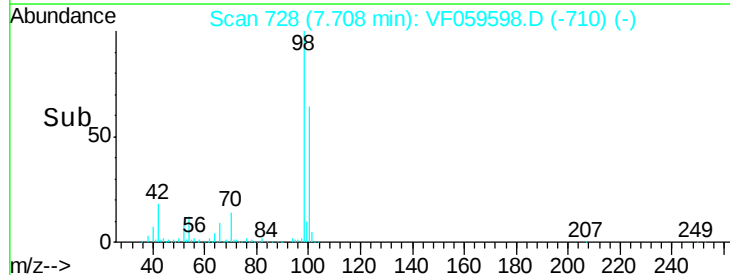
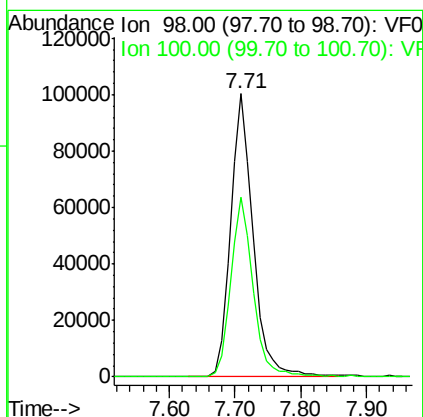
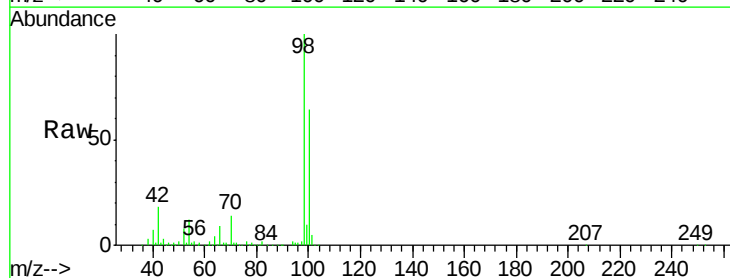
Instrument :
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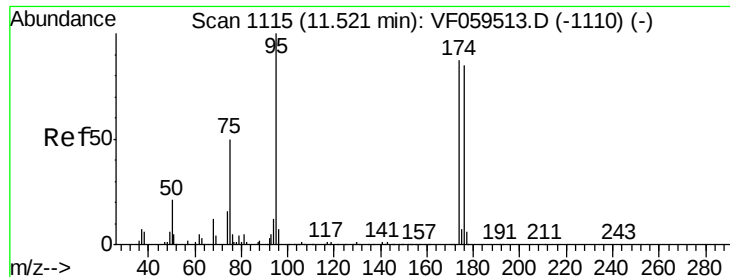
Tot Ion:113 Resp: 128246
Ion Ratio Lower Upper
113 100
111 99.8 80.3 120.5
192 13.5 13.1 19.7



#50
Toluene-d8
Concen: 36.69 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.02 min
Lab File: VF059598.D
Acq: 20 Jul 2018 23:16

Tgt Ion: 98 Resp: 240748
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 37.94 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF059598.D

Acq: 20 Jul 2018 23:16

Instrument :

MSVOA_F

ClientSampleId :

EO-02-071818-C

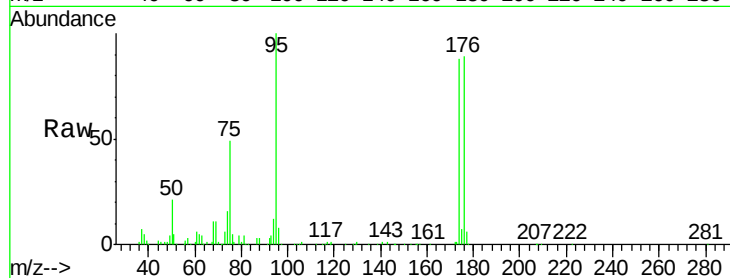
Tot Ion: 95 Resp: 130621

Ion Ratio Lower Upper

95 100

174 87.5 0.0 174.4

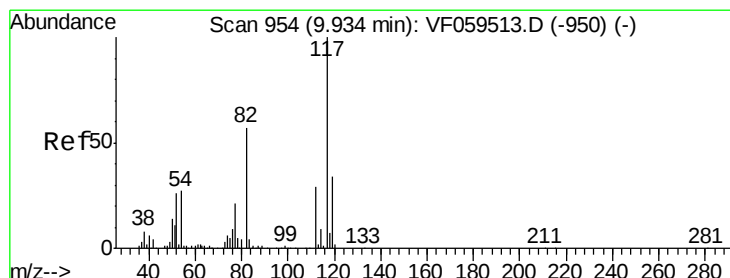
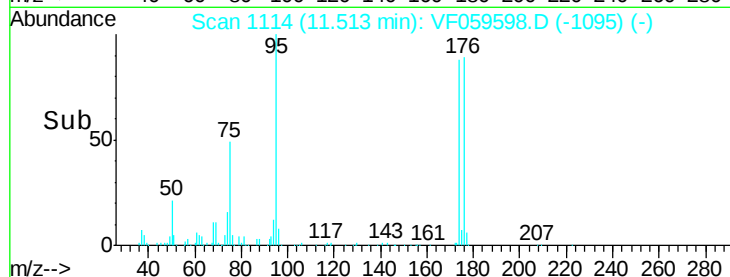
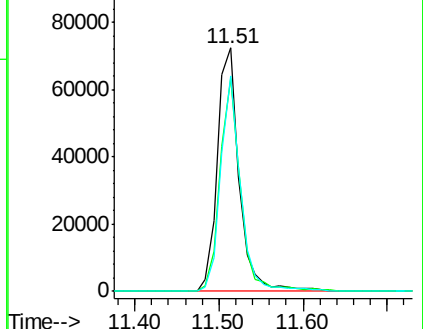
176 88.5 0.0 169.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.02 min

Lab File: VF059598.D

Acq: 20 Jul 2018 23:16

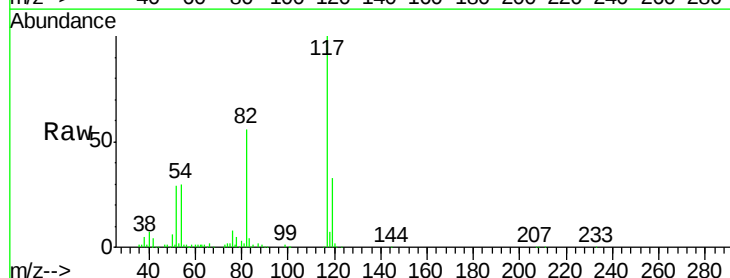
Tgt Ion: 117 Resp: 260217

Ion Ratio Lower Upper

117 100

82 56.4 46.1 69.1

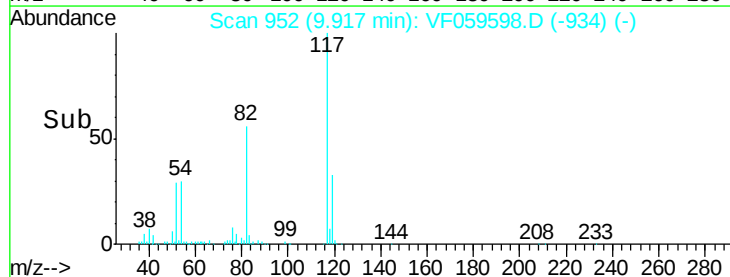
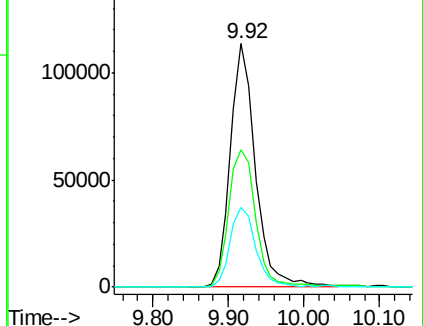
119 32.9 27.2 40.8

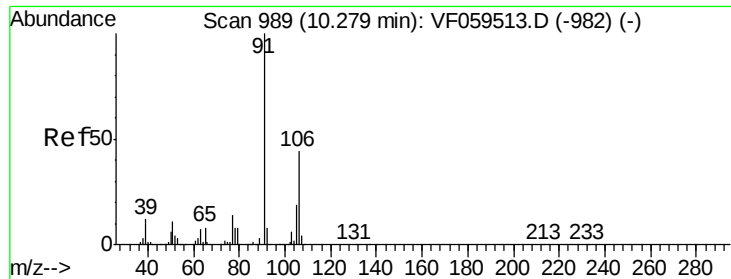


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

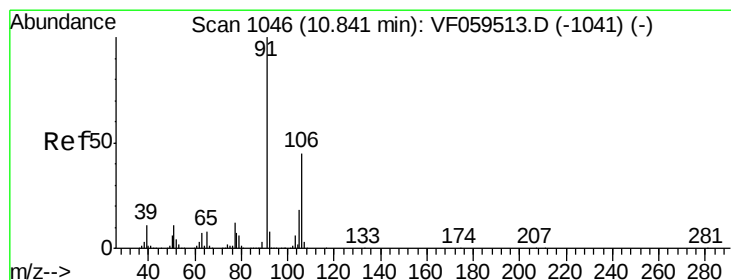
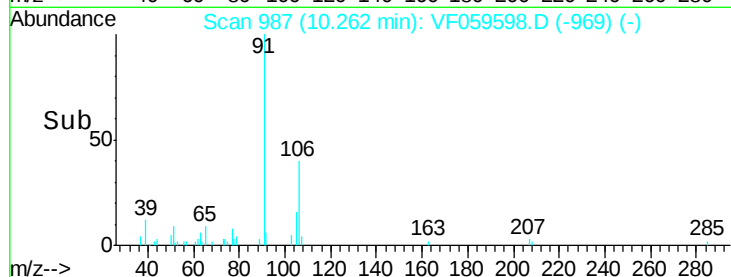
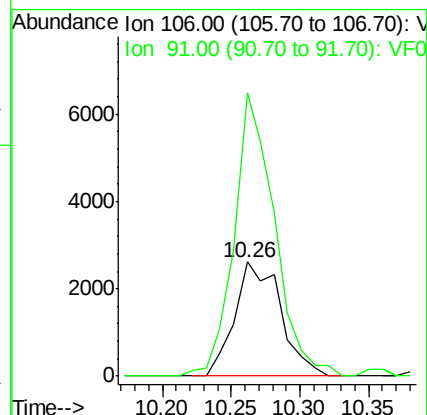
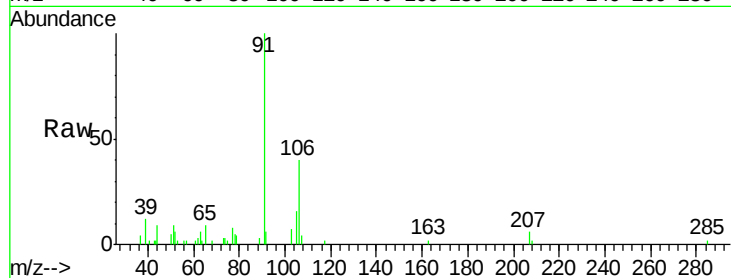




#68
m/p-Xylenes
Concen: 1.99 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.02 min
Lab File: VF059598.D
Acq: 20 Jul 2018 23:16

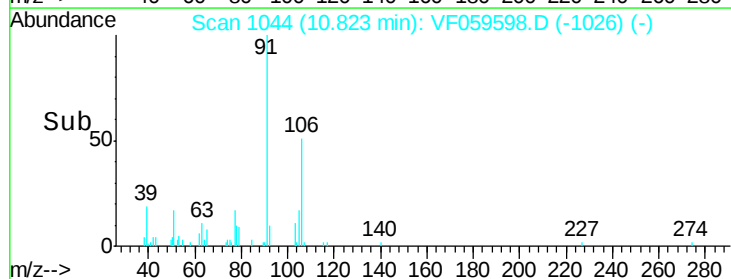
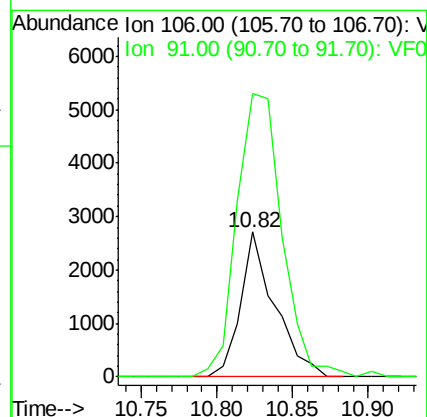
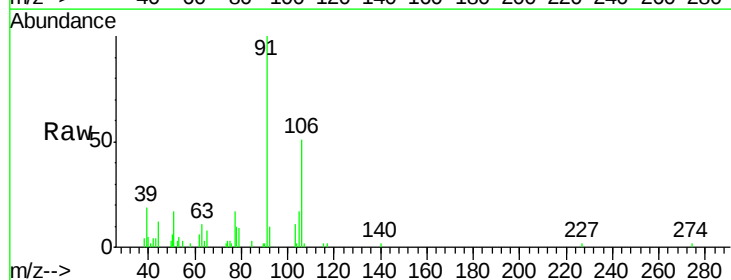
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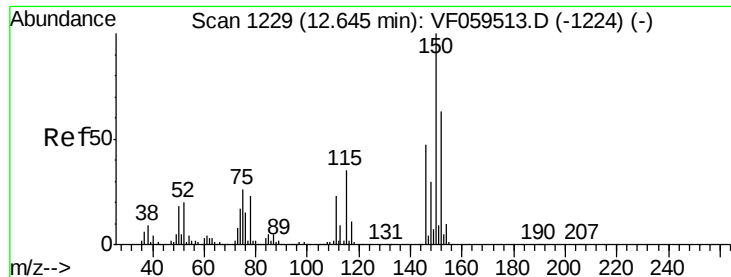
Tot Ion:106 Resp: 6092
Ion Ratio Lower Upper
106 100
91 248.2 181.0 271.4



#69
o-Xylene
Concen: 1.31 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.02 min
Lab File: VF059598.D
Acq: 20 Jul 2018 23:16

Tgt Ion:106 Resp: 4262
Ion Ratio Lower Upper
106 100
91 195.3 112.3 336.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF059598.D

Acq: 20 Jul 2018 23:16

Instrument :

MSVOA_F

ClientSampleId :

EO-02-071818-C

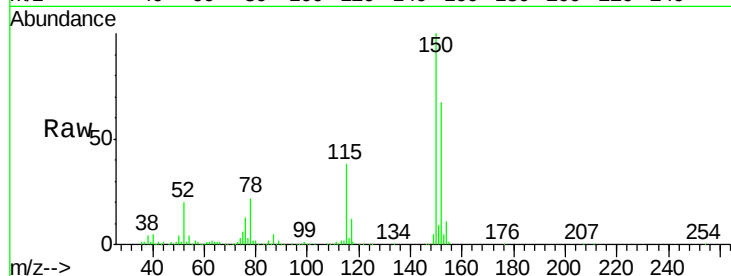
Tot Ion:152 Resp: 144268

Ion Ratio Lower Upper

152 100

115 57.0 27.8 83.3

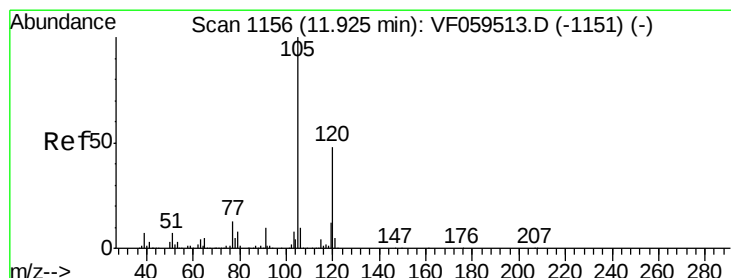
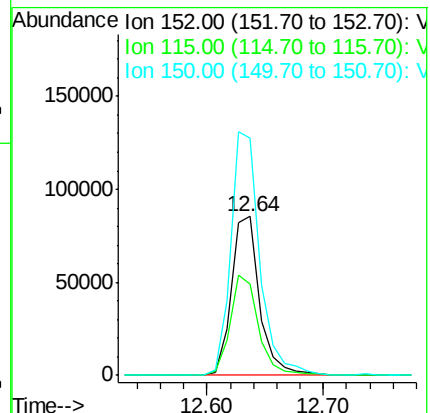
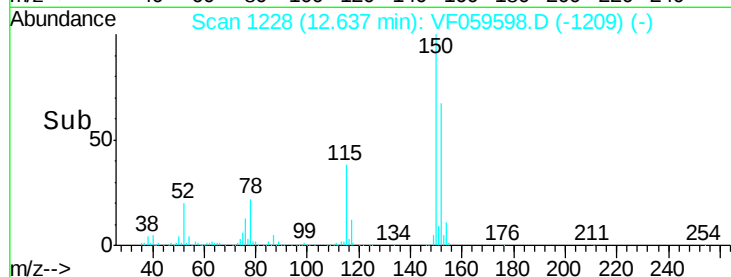
150 149.5 0.0 318.4



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#80

1,3,5-Trimethylbenzene

Concen: 1.10 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VF059598.D

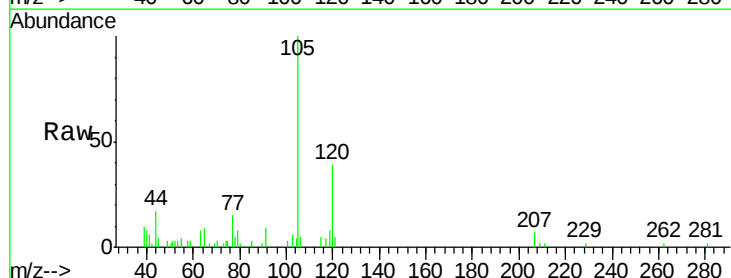
Acq: 20 Jul 2018 23:16

Tgt Ion:105 Resp: 8373

Ion Ratio Lower Upper

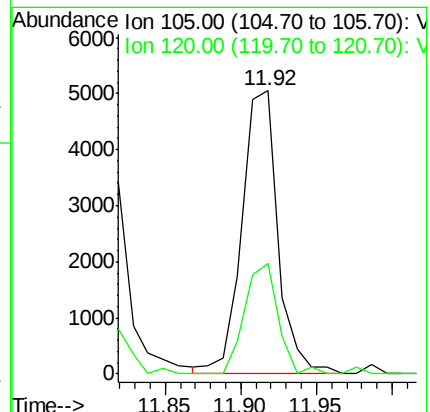
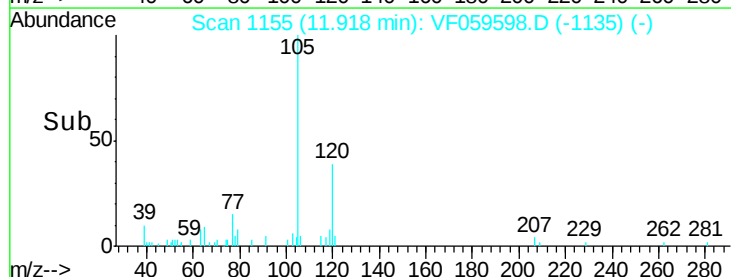
105 100

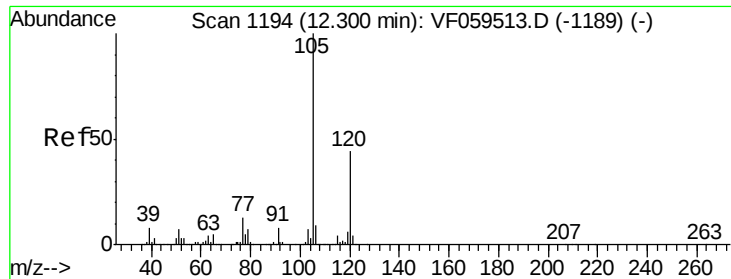
120 38.9 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 1.61 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.02 min

Lab File: VF059598.D

Acq: 20 Jul 2018 23:16

Instrument :

MSVOA_F

ClientSampleId :

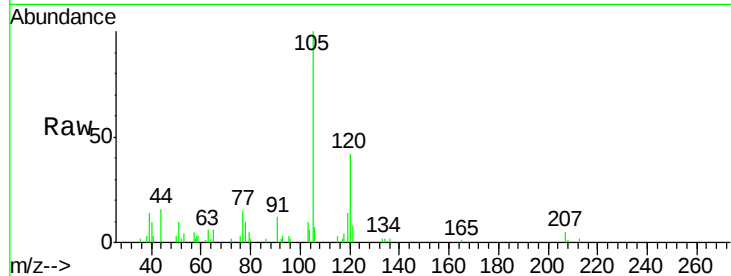
EO-02-071818-C

Tot Ion:105 Resp: 12607

Ion Ratio Lower Upper

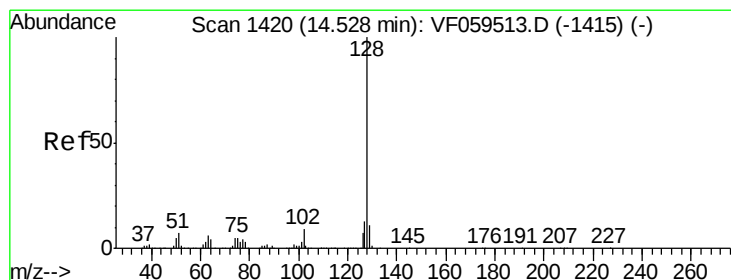
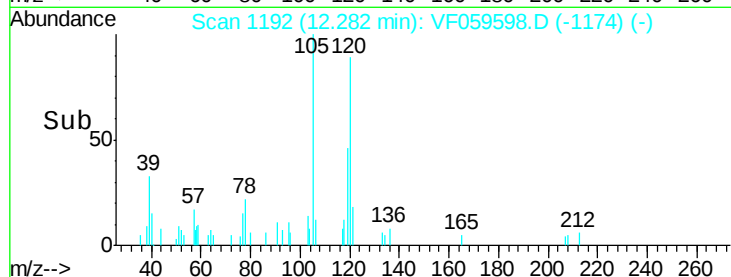
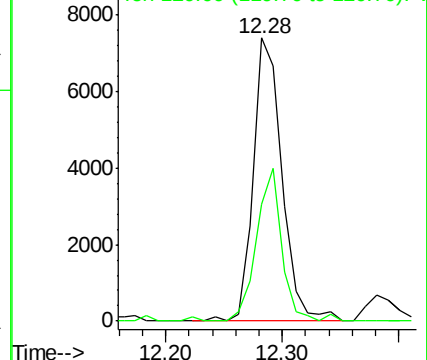
105 100

120 41.5 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 1.42 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF059598.D

Acq: 20 Jul 2018 23:16

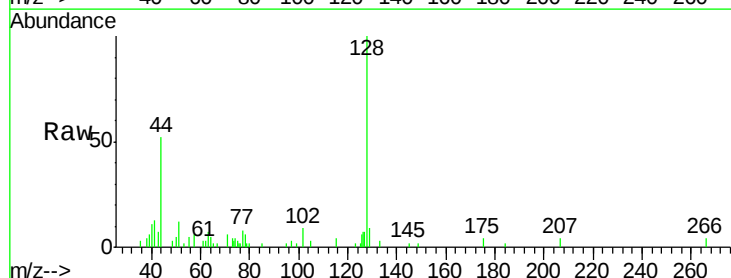
Tgt Ion:128 Resp: 7479

Ion Ratio Lower Upper

128 100

127 6.8 10.2 15.2#

129 9.2 9.0 13.4



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

