

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070918\
 Data File : VX003274.D
 Acq On : 10 Jul 2018 04:57
 Operator : JC/MD
 Sample : J3893-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BS-S-7-SOIL

Quant Time: Jul 10 05:30:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	250450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	348816	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	326612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	191314	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	160079	40.61	ug/l	0.00
Spiked Amount			Recovery	=	81.22%	
35) Dibromofluoromethane	5.51	113	136461	36.41	ug/l	0.00
Spiked Amount			Recovery	=	72.82%	
50) Toluene-d8	8.72	98	499919	37.56	ug/l	0.00
Spiked Amount			Recovery	=	75.12%	
62) 4-Bromofluorobenzene	11.14	95	171006	34.77	ug/l	0.00
Spiked Amount			Recovery	=	69.54%	

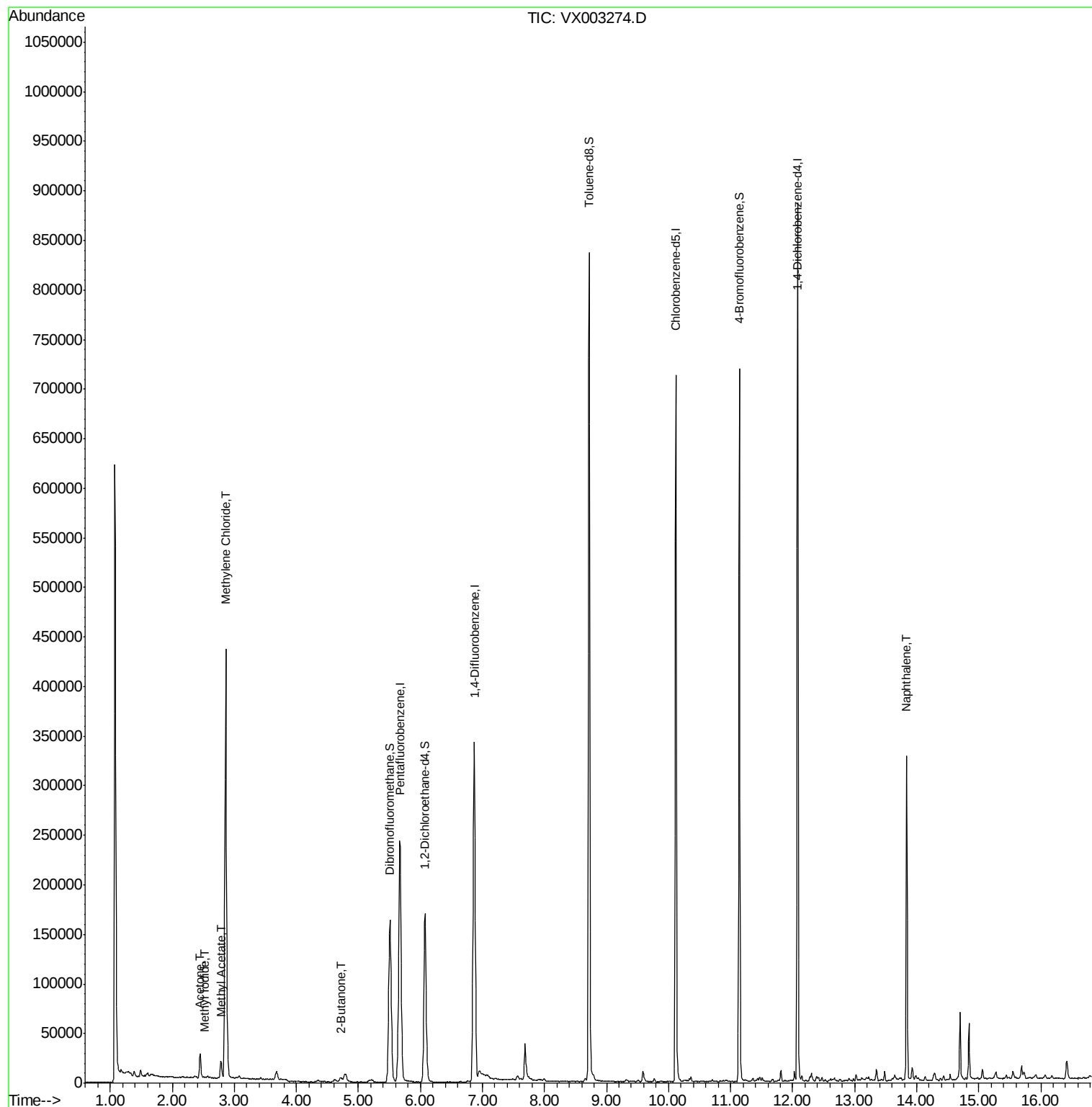
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.52	142	1431	6.02	ug/l	95
16) Acetone	2.45	43	27370	19.56	ug/l	94
18) Methyl Acetate	2.78	43	21700	5.50	ug/l	98
20) Methylene Chloride	2.86	84	204130	71.49	ug/l	92
25) 2-Butanone	4.71	43	8184	3.31	ug/l #	89
95) Naphthalene	13.83	128	207919	13.59	ug/l	99

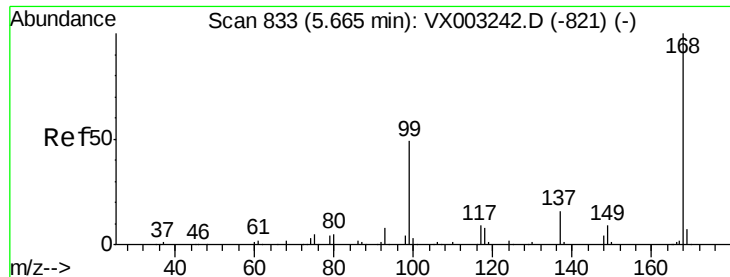
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003274.D

Acq: 10 Jul 2018 04:57

Instrument :

MSVOA_X

ClientSampleId :

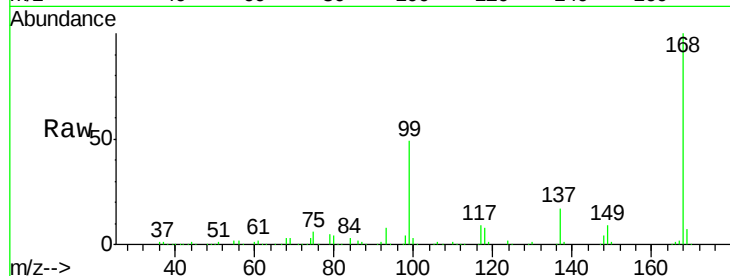
BS-S-7-SOIL

Tot Ion:168 Resp: 250450

Ion Ratio Lower Upper

168 100

99 48.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

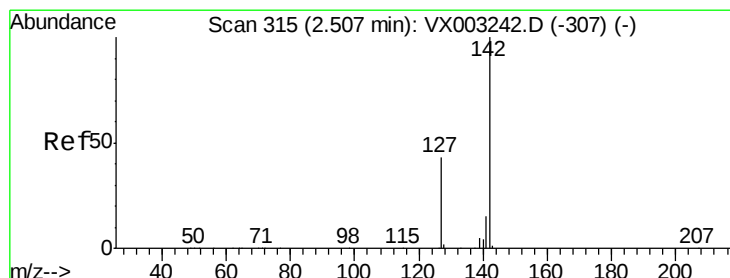
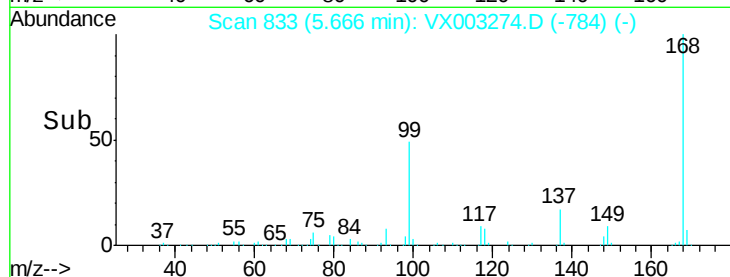
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 6.02 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003274.D

Acq: 10 Jul 2018 04:57

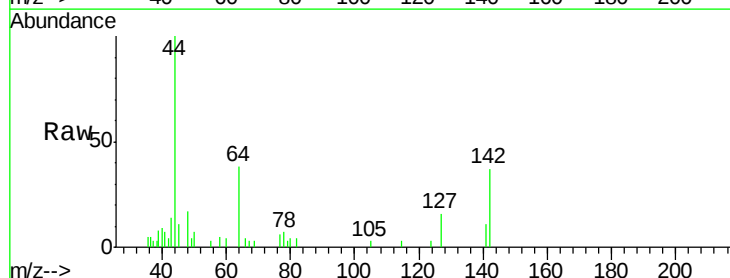
Tgt Ion:142 Resp: 1431

Ion Ratio Lower Upper

142 100

127 49.6 36.6 55.0

141 15.4 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.52

800

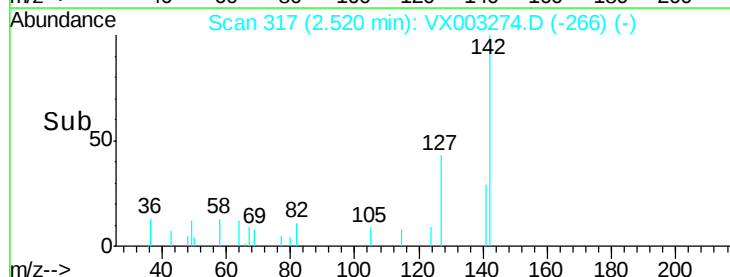
600

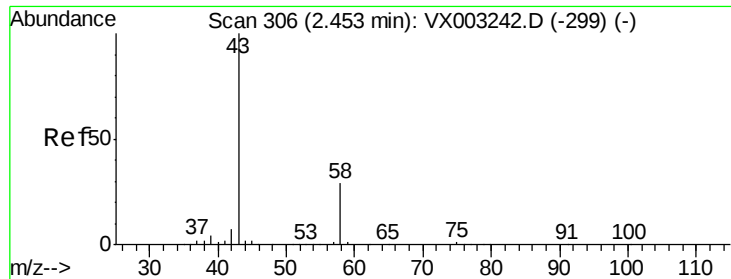
400

200

0

Time--> 2.45 2.50 2.55 2.60





#16

Acetone

Concen: 19.56 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003274.D

Acq: 10 Jul 2018 04:57

Instrument :

MSVOA_X

ClientSampleId :

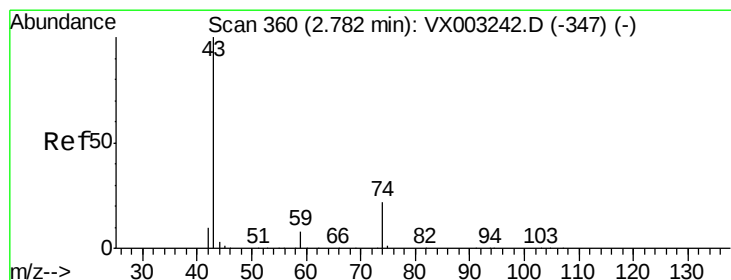
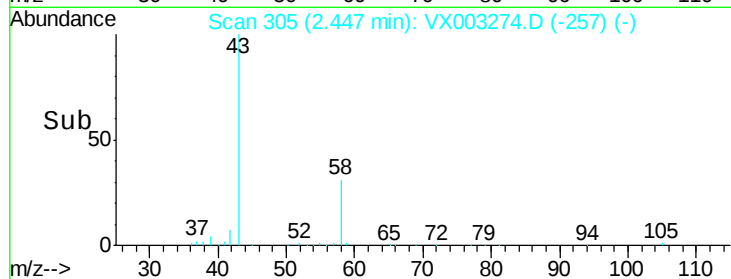
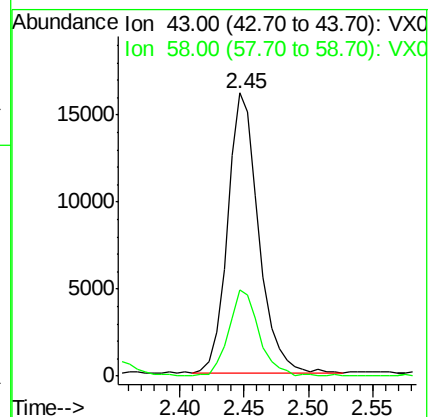
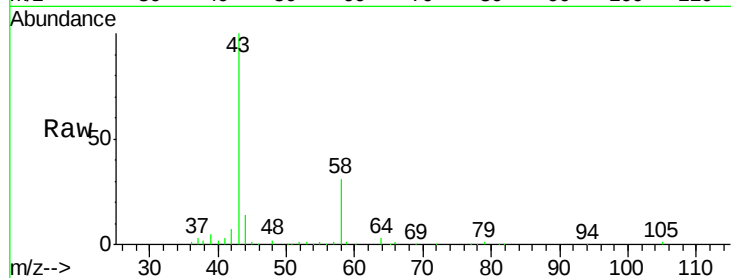
BS-S-7-SOIL

Tot Ion: 43 Resp: 27370

Ion Ratio Lower Upper

43 100

58 31.0 22.1 33.1



#18

Methyl Acetate

Concen: 5.50 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003274.D

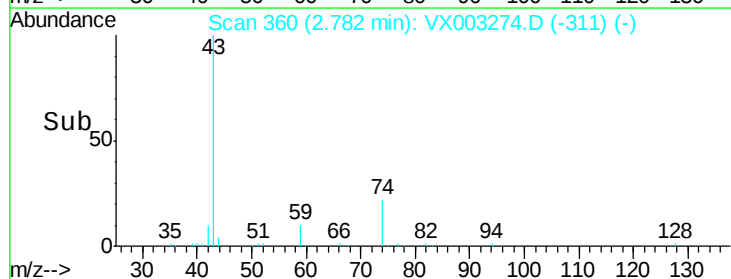
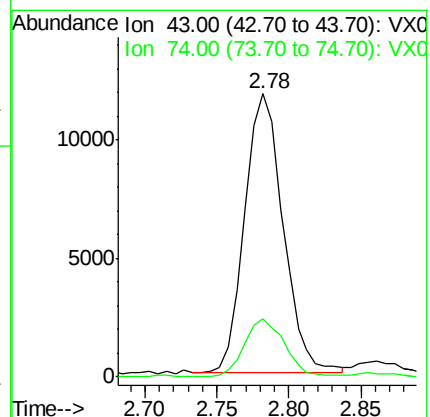
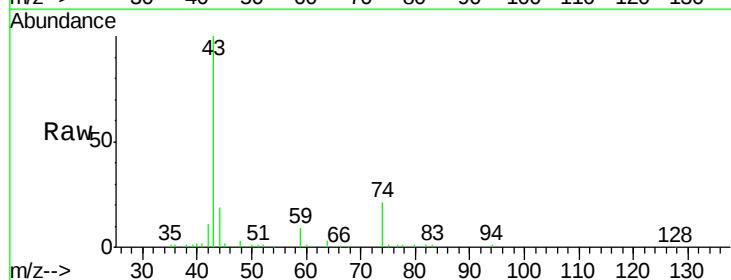
Acq: 10 Jul 2018 04:57

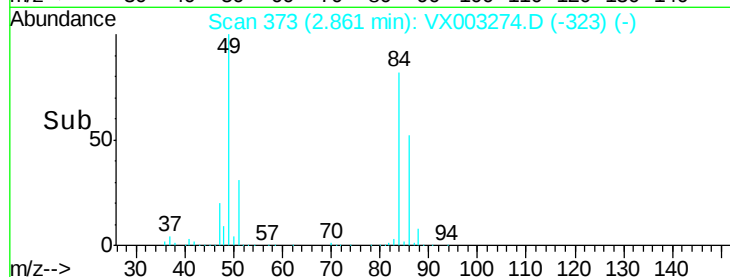
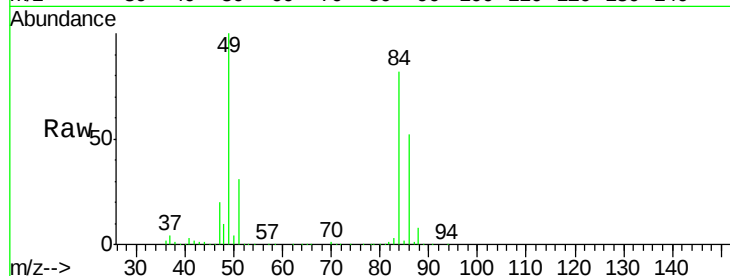
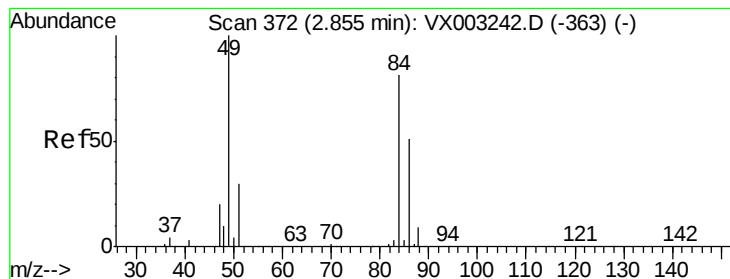
Tgt Ion: 43 Resp: 21700

Ion Ratio Lower Upper

43 100

74 22.0 16.7 25.1





#20

Methylene Chloride

Concen: 71.49 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003274.D

Acq: 10 Jul 2018 04:57

Instrument :

MSVOA_X

ClientSampleId :

BS-S-7-SOIL

Tot Ion: 84 Resp: 204130

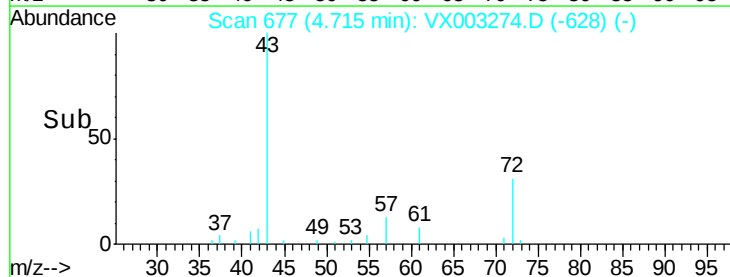
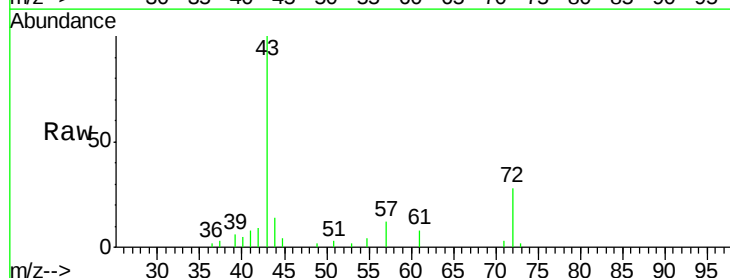
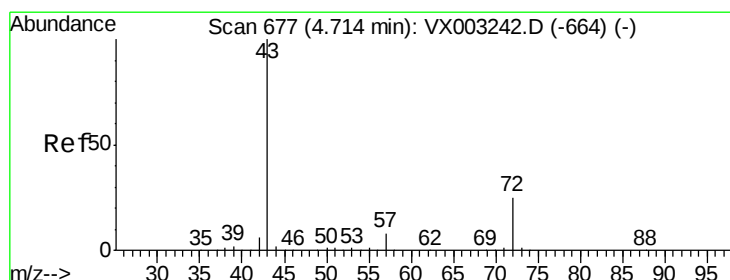
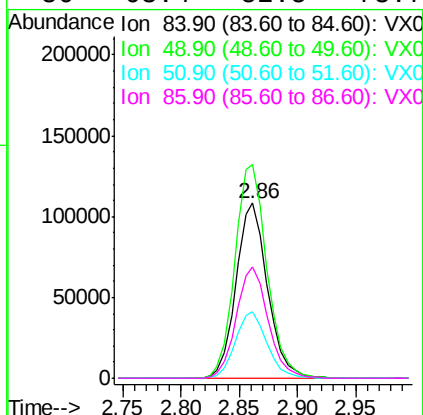
Ion Ratio Lower Upper

84 100

49 122.2 107.8 161.6

51 37.7 32.8 49.2

86 63.4 52.5 78.7



#25

2-Butanone

Concen: 3.31 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX003274.D

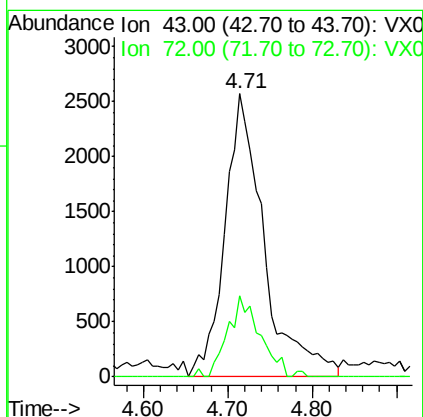
Acq: 10 Jul 2018 04:57

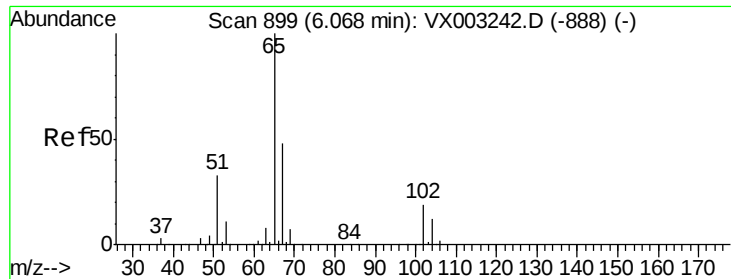
Tgt Ion: 43 Resp: 8184

Ion Ratio Lower Upper

43 100

72 28.5 18.5 27.7#





#33

1,2-Dichloroethane-d4

Concen: 40.61 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX003274.D

Acq: 10 Jul 2018 04:57

Instrument :

MSVOA_X

ClientSampleId :

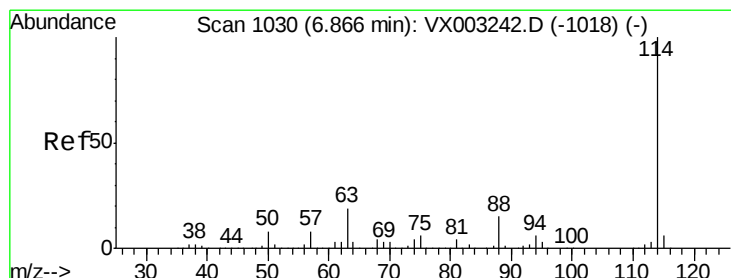
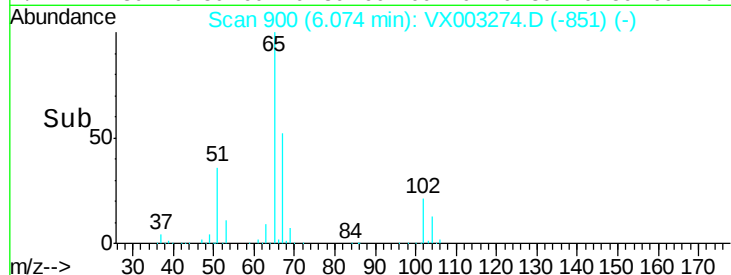
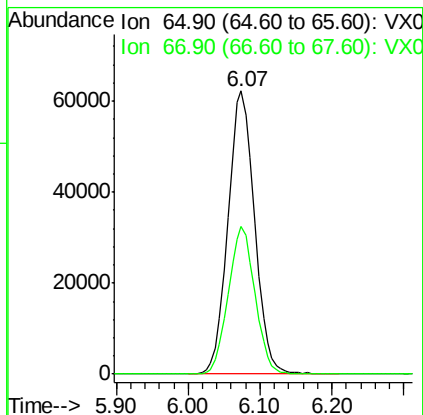
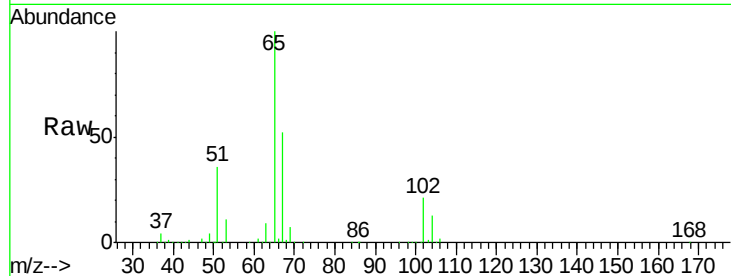
BS-S-7-SOIL

Tot Ion: 65 Resp: 160079

Ion Ratio Lower Upper

65 100

67 52.3 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003274.D

Acq: 10 Jul 2018 04:57

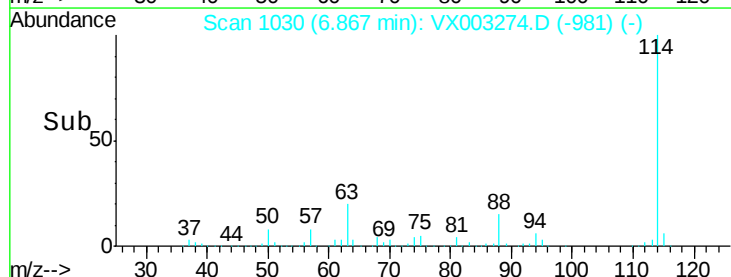
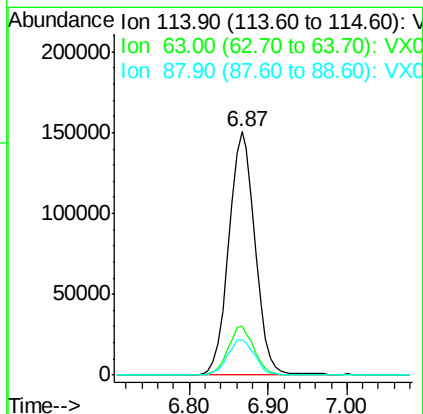
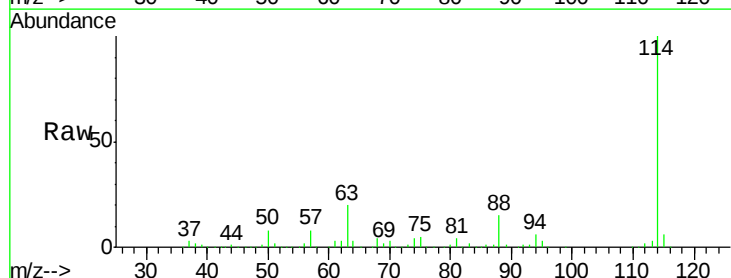
Tgt Ion: 114 Resp: 348816

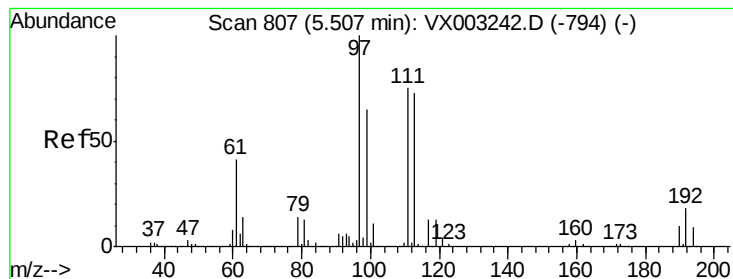
Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.4

88 14.6 0.0 30.0





#35

Dibromofluoromethane

Concen: 36.41 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003274.D

Acq: 10 Jul 2018 04:57

Instrument :

MSVOA_X

ClientSampleId :

BS-S-7-SOIL

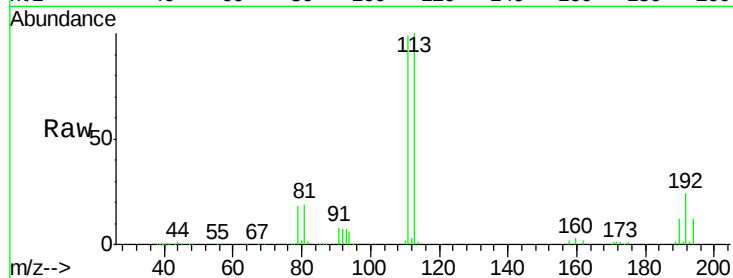
Tot Ion:113 Resp: 136461

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

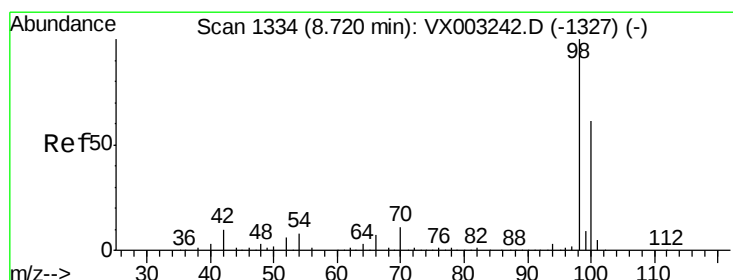
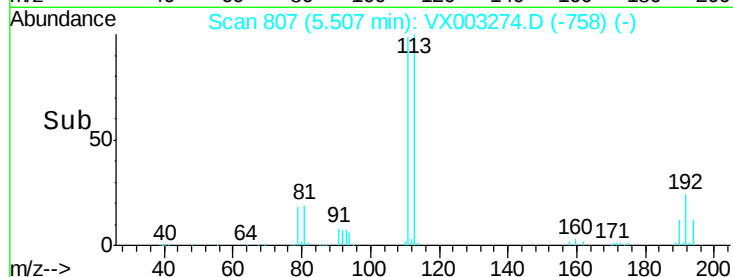
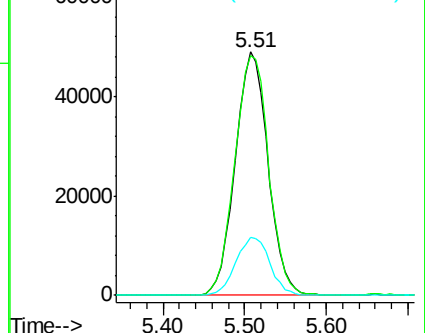
192 24.7 19.1 28.7



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



#50

Toluene-d8

Concen: 37.56 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003274.D

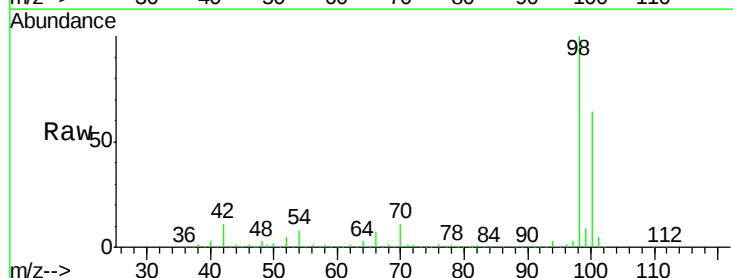
Acq: 10 Jul 2018 04:57

Tgt Ion: 98 Resp: 499919

Ion Ratio Lower Upper

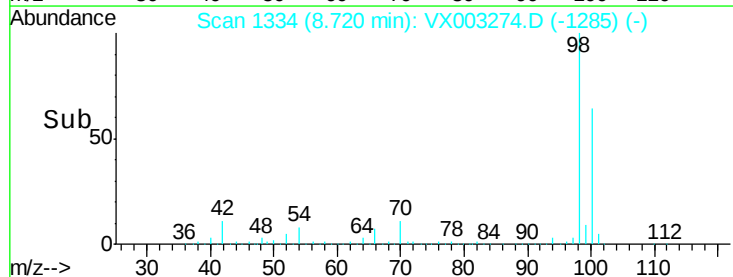
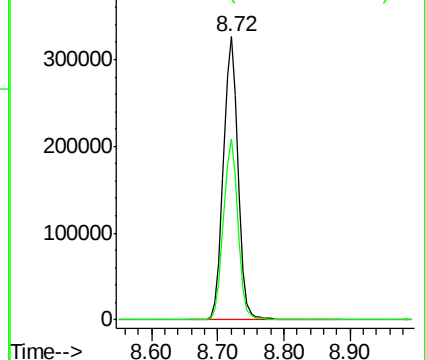
98 100

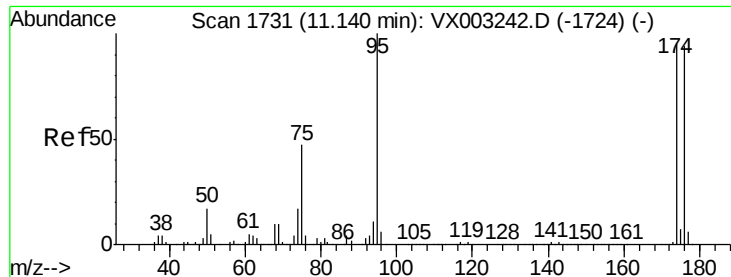
100 63.5 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 34.77 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003274.D

Acq: 10 Jul 2018 04:57

Instrument :

MSVOA_X

ClientSampleId :

BS-S-7-SOIL

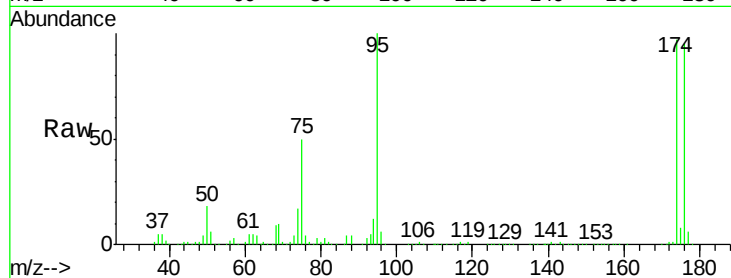
Tot Ion: 95 Resp: 171006

Ion Ratio Lower Upper

95 100

174 100.4 0.0 187.4

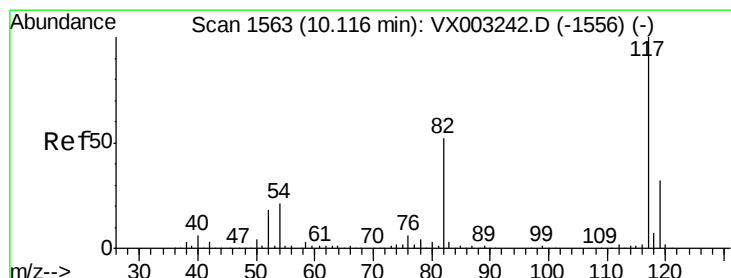
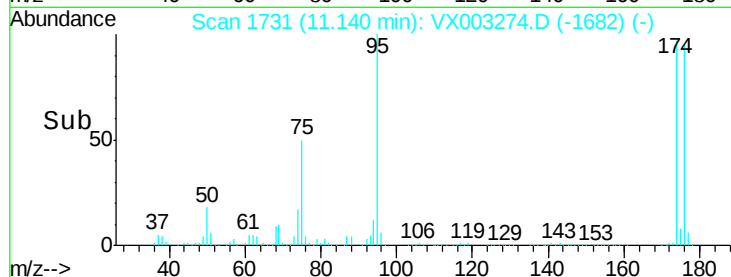
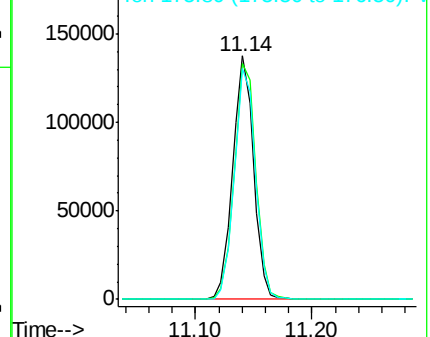
176 96.9 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX003274.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX003274.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX003274.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003274.D

Acq: 10 Jul 2018 04:57

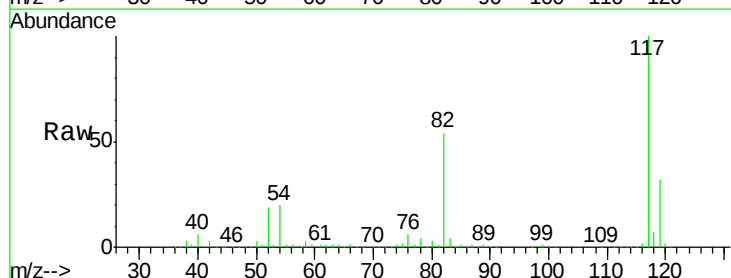
Tgt Ion: 117 Resp: 326612

Ion Ratio Lower Upper

117 100

82 54.0 45.0 67.4

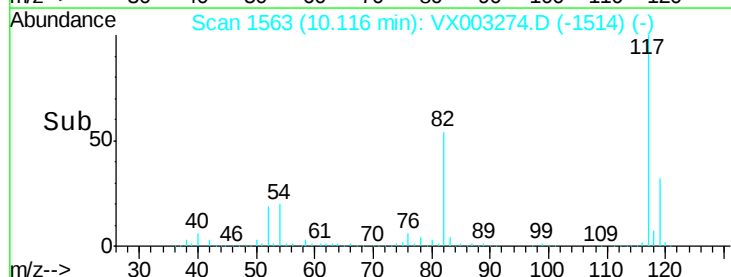
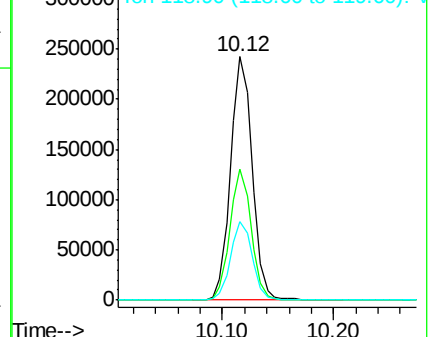
119 32.3 25.8 38.6

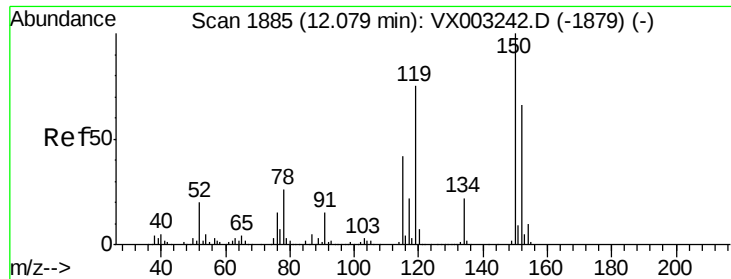


Abundance Ion 116.90 (116.60 to 117.60): VX003274.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX003274.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX003274.D (-1514) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003274.D

Acq: 10 Jul 2018 04:57

Instrument :

MSVOA_X

ClientSampled :

BS-S-7-SOIL

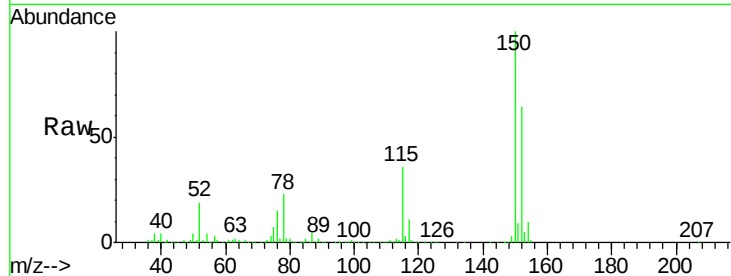
Tot Ion:152 Resp: 191314

Ion Ratio Lower Upper

152 100

115 53.6 40.1 120.2

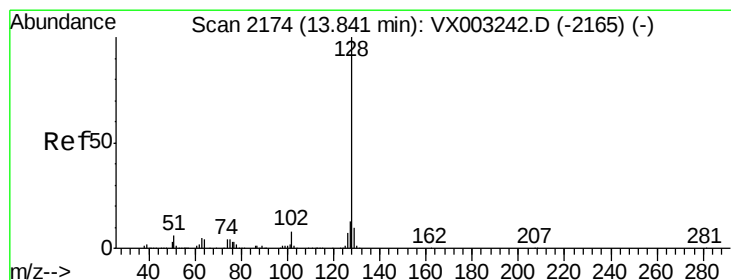
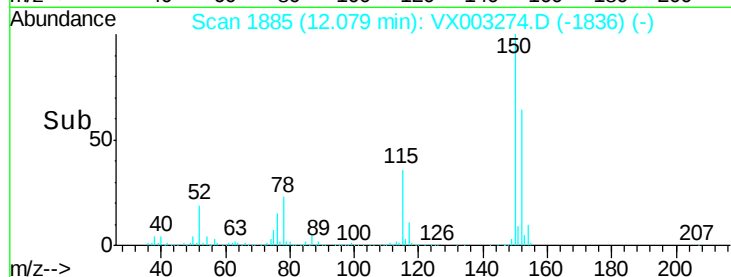
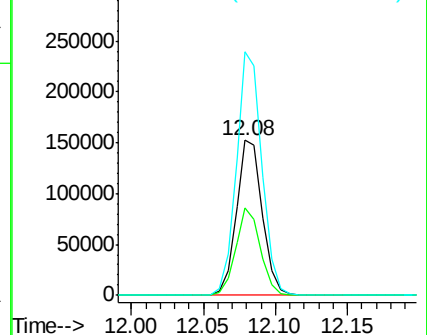
150 155.3 0.0 347.2



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



#95

Naphthalene

Concen: 13.59 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003274.D

Acq: 10 Jul 2018 04:57

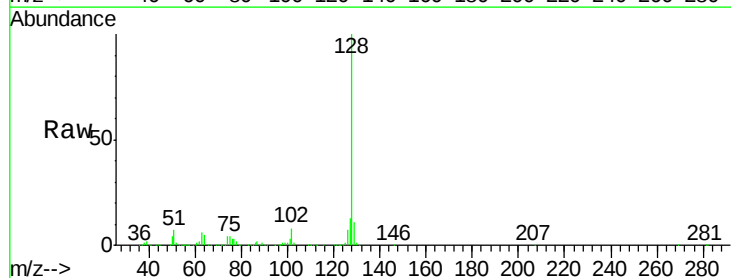
Tgt Ion:128 Resp: 207919

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 10.9 8.6 13.0



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

