

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091918\
 Data File : VX004709.D
 Acq On : 19 Sep 2018 16:46
 Operator : JC/MD
 Sample : J4973-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CB-0918-S-TCLP-GRID56-2

Quant Time: Sep 20 04:25:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

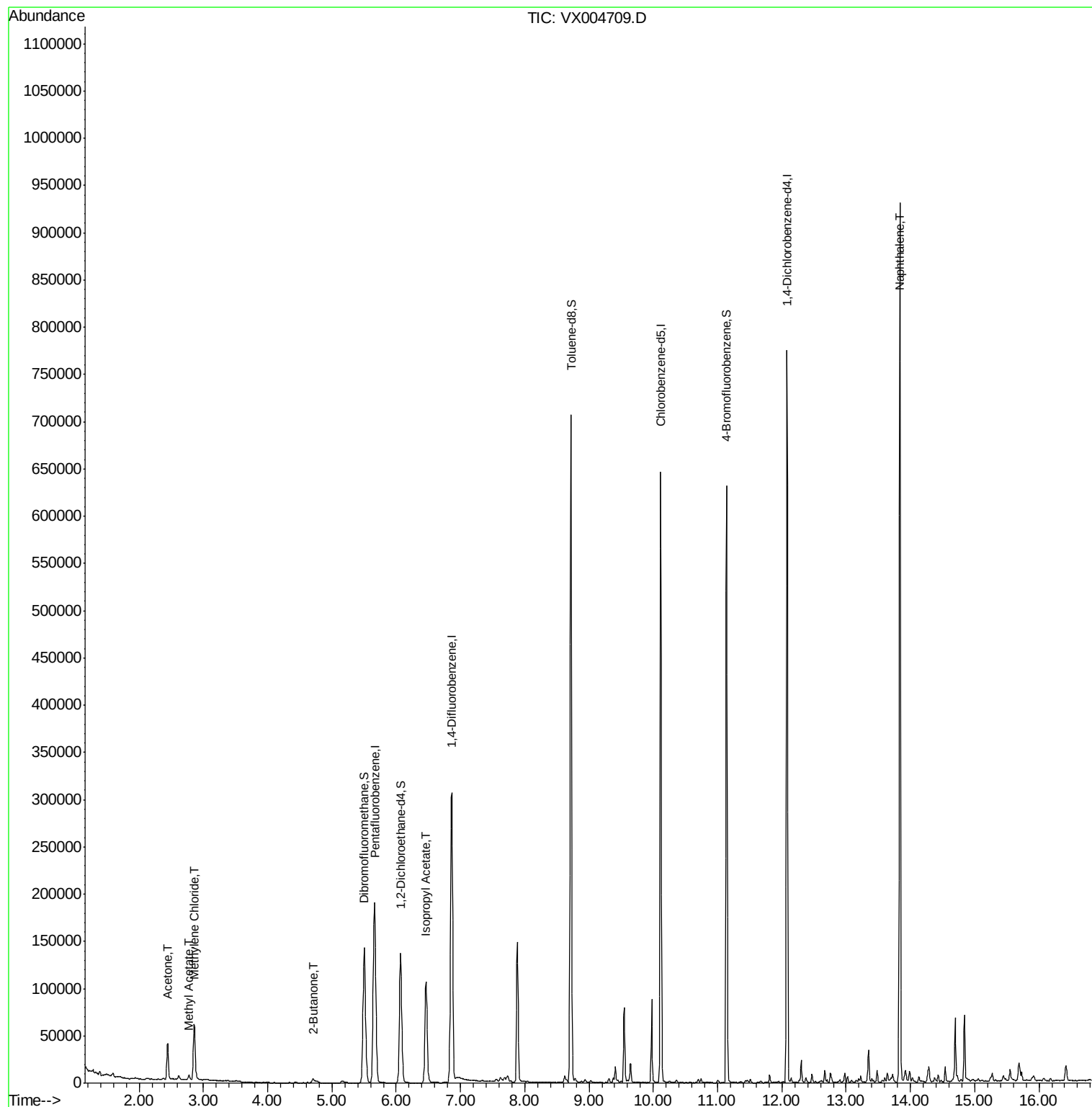
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	208220	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	331161	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	302587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	167434	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	126739	47.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.42%	
35) Dibromofluoromethane	5.50	113	119525	39.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.88%	
50) Toluene-d8	8.72	98	443545	43.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.28%	
62) 4-Bromofluorobenzene	11.14	95	157291	43.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.72%	
Target Compounds						
16) Acetone	2.45	43	40229	30.70	ug/l	100
18) Methyl Acetate	2.78	43	5282	1.44	ug/l	98
20) Methylene Chloride	2.86	84	29875	11.11	ug/l	96
25) 2-Butanone	4.71	43	7418	3.56	ug/l	93
43) Isopropyl Acetate	6.46	43	137949	22.71	ug/l	100
95) Naphthalene	13.83	128	566086	49.52	ug/l	100

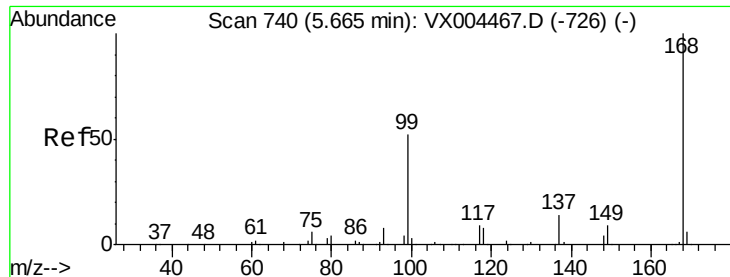
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004709.D

Acq: 19 Sep 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

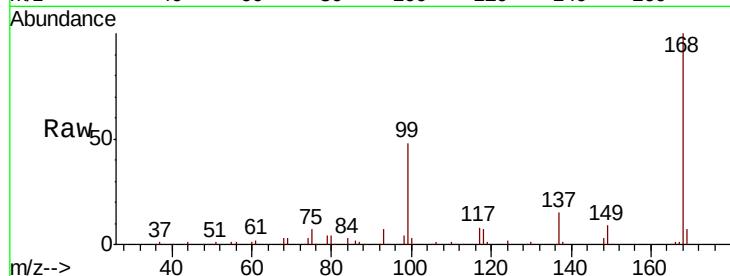
CB-0918-S-TCLP-GRID56-2

Tot Ion:168 Resp: 208220

Ion Ratio Lower Upper

168 100

99 47.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

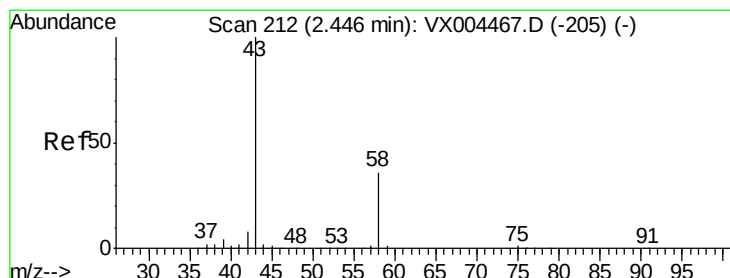
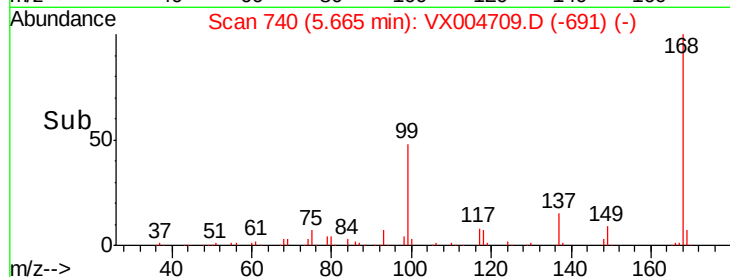
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 30.70 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004709.D

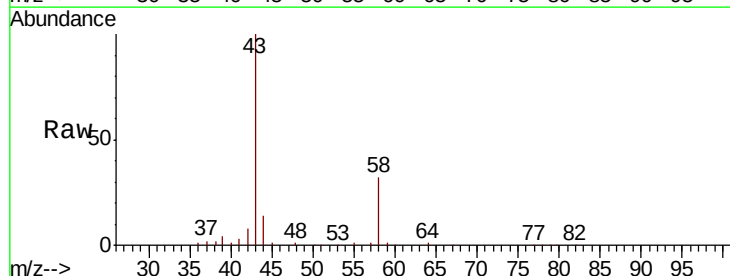
Acq: 19 Sep 2018 16:46

Tgt Ion: 43 Resp: 40229

Ion Ratio Lower Upper

43 100

58 32.6 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

25000

20000

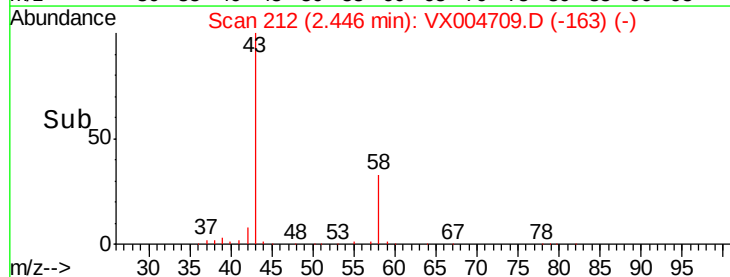
15000

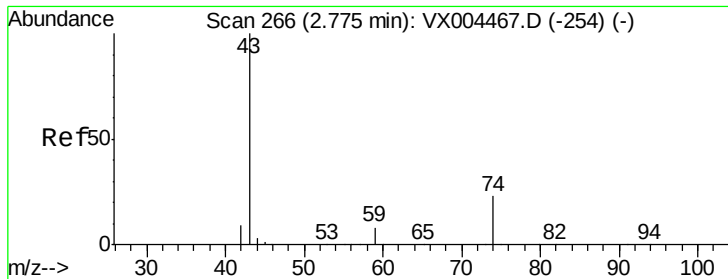
10000

5000

0

Time--> 2.35 2.40 2.45 2.50 2.55

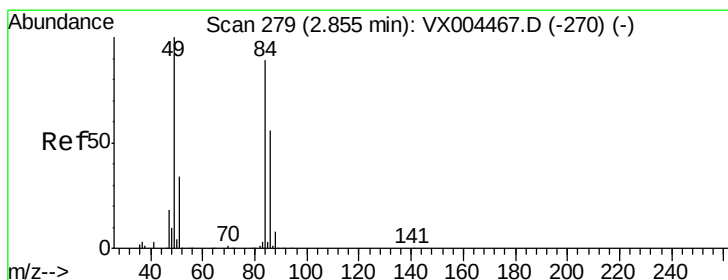
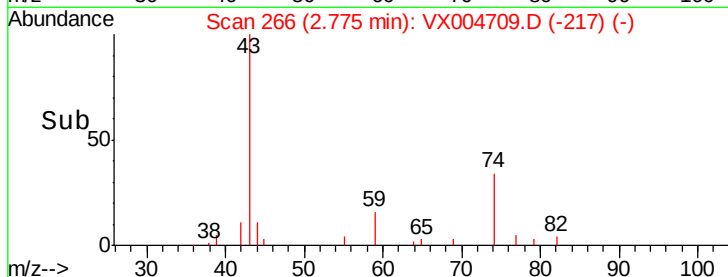
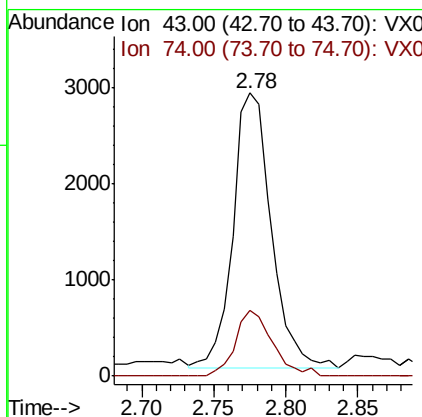
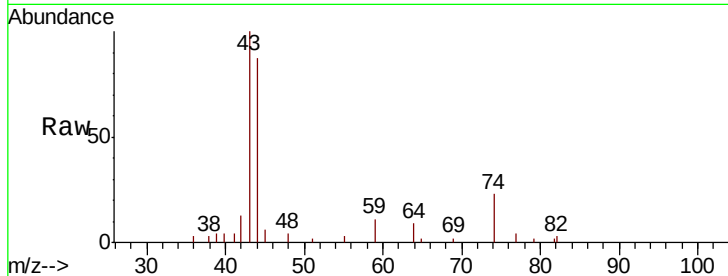




#18
Methvl Acetate
Concen: 1.44 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX004709.D
Acq: 19 Sep 2018 16:46

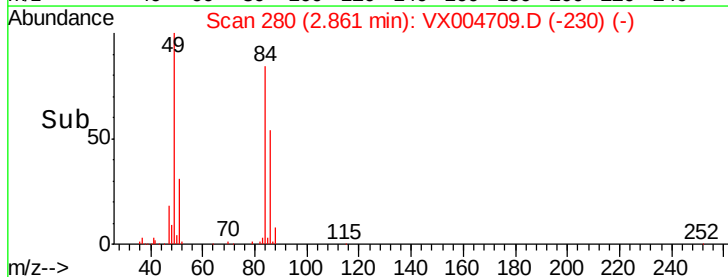
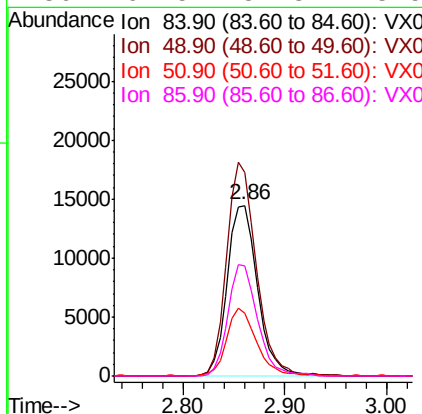
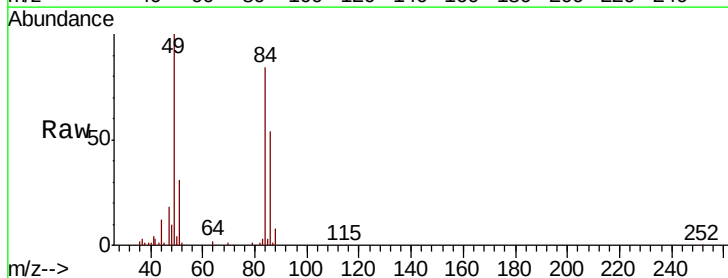
Instrument :
MSVOA_X
ClientSampleId :
CB-0918-S-TCLP-GRID56-2

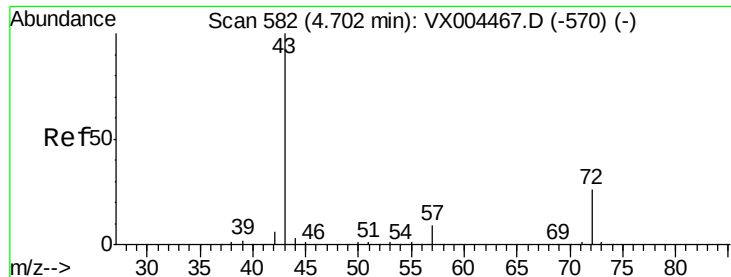
Tot Ion: 43 Resp: 5282
Ion Ratio Lower Upper
43 100
74 23.2 19.4 29.2



#20
Methylene Chloride
Concen: 11.11 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004709.D
Acq: 19 Sep 2018 16:46

Tgt Ion: 84 Resp: 29875
Ion Ratio Lower Upper
84 100
49 119.2 101.2 151.8
51 37.0 29.5 44.3
86 64.5 52.3 78.5





#25

2-Butanone

Concen: 3.56 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004709.D

Acq: 19 Sep 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

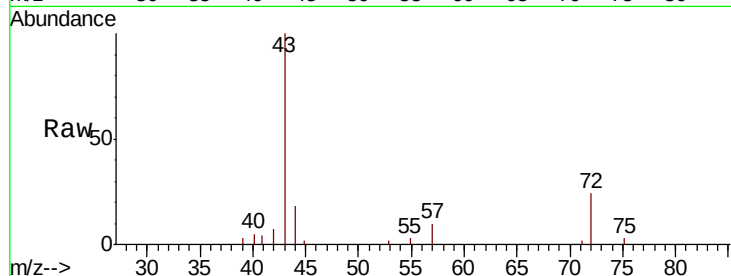
CB-0918-S-TCLP-GRID56-2

Tot Ion: 43 Resp: 7418

Ion Ratio Lower Upper

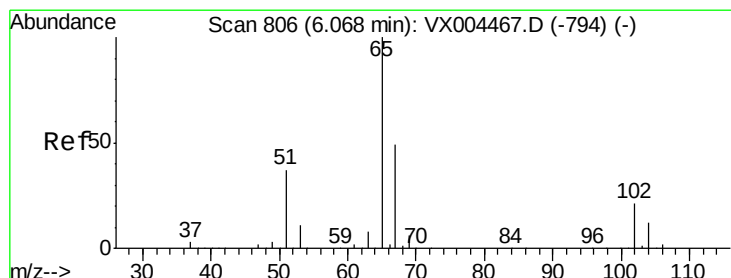
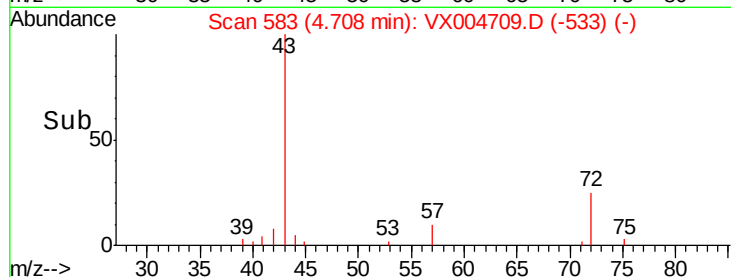
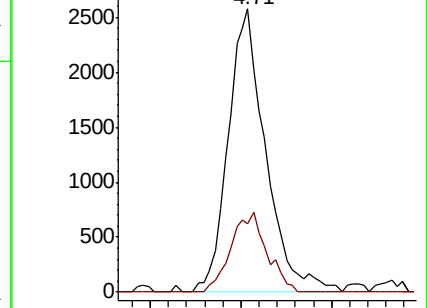
43 100

72 24.0 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.21 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004709.D

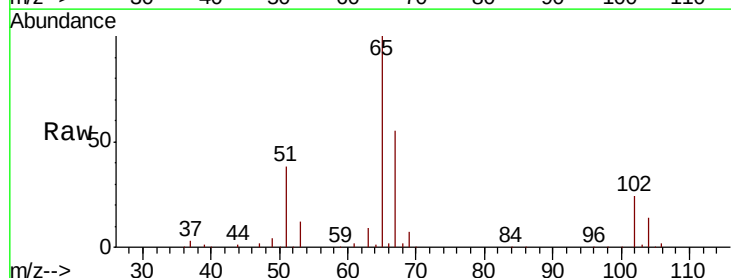
Acq: 19 Sep 2018 16:46

Tgt Ion: 65 Resp: 126739

Ion Ratio Lower Upper

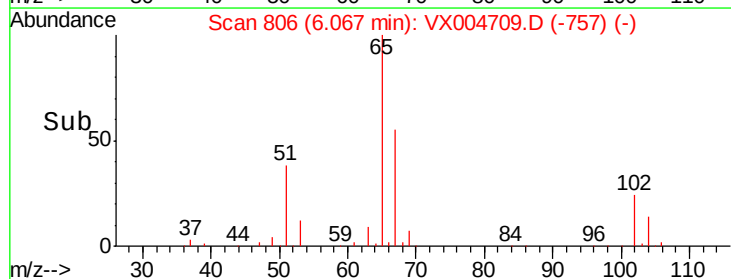
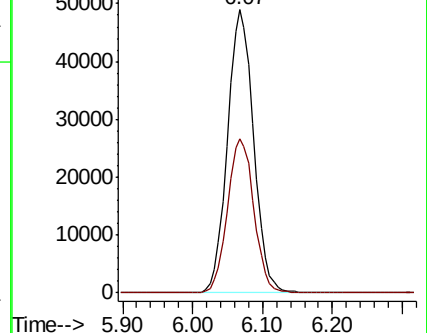
65 100

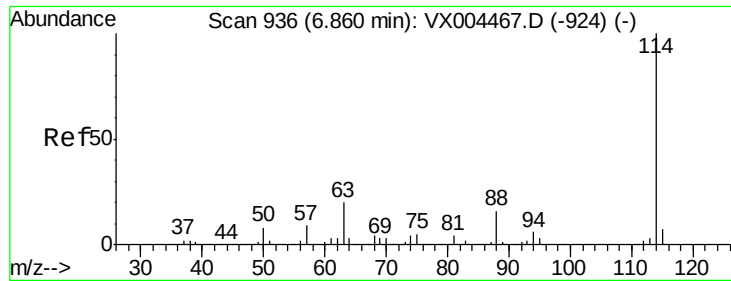
67 54.9 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX004709.D

Acq: 19 Sep 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

CB-0918-S-TCLP-GRID56-2

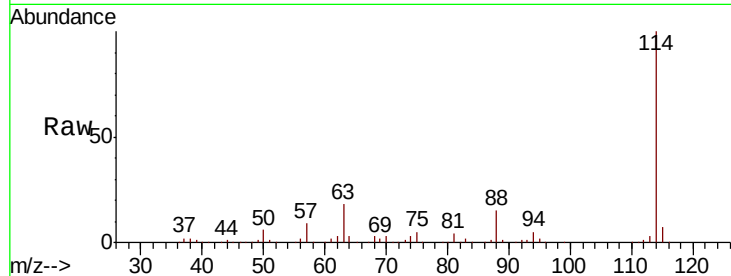
Tot Ion:114 Resp: 331161

Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.0

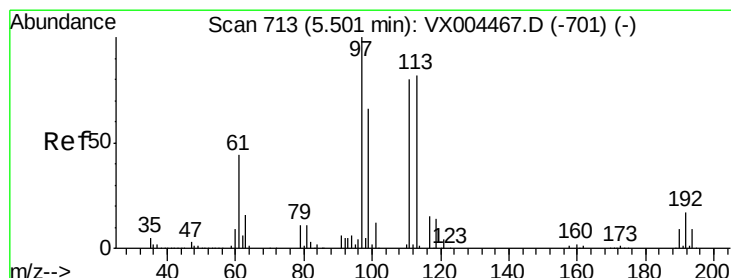
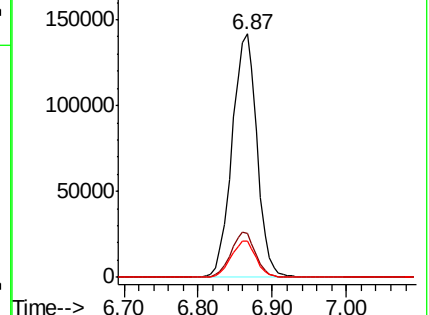
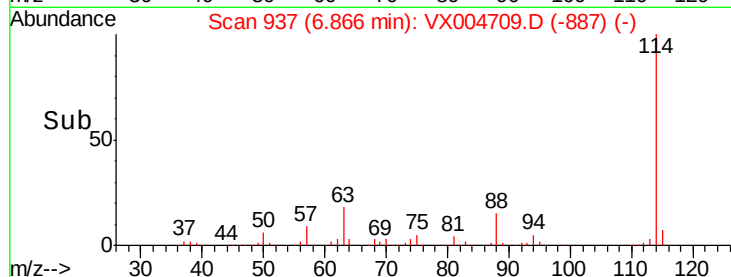
88 15.1 0.0 30.4



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: 39.44 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004709.D

Acq: 19 Sep 2018 16:46

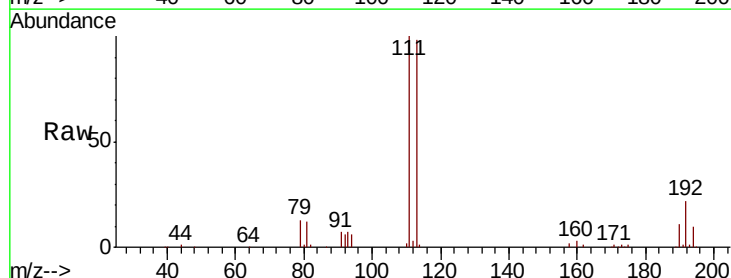
Tgt Ion:113 Resp: 119525

Ion Ratio Lower Upper

113 100

111 103.2 82.4 123.6

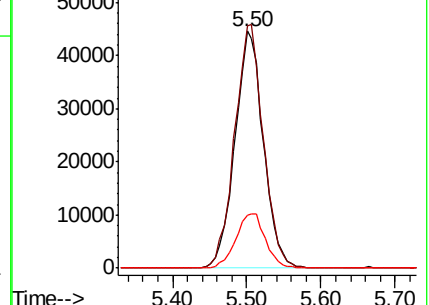
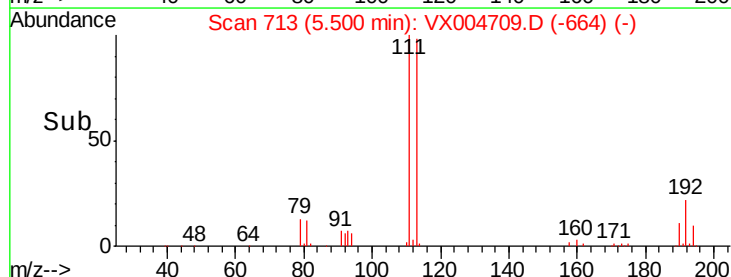
192 23.6 19.4 29.2

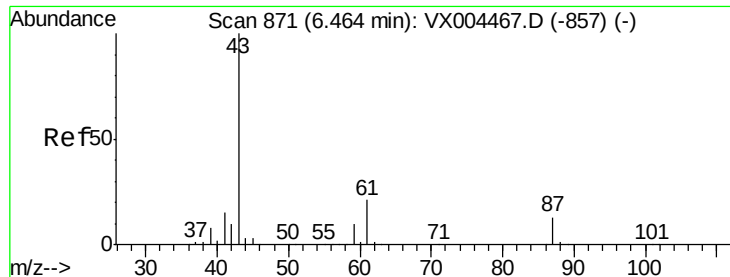


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 22.71 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX004709.D

Acq: 19 Sep 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

CB-0918-S-TCLP-GRID56-2

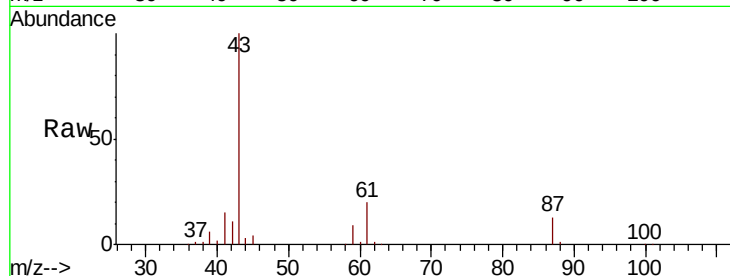
Tot Ion: 43 Resp: 137949

Ion Ratio Lower Upper

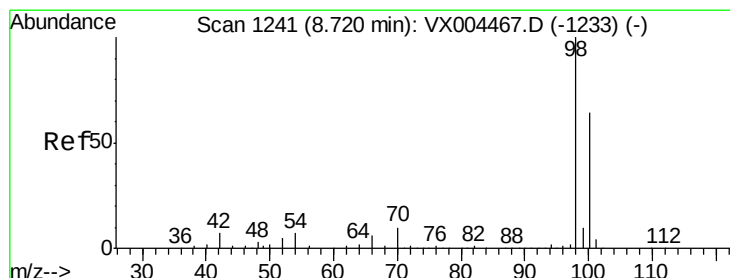
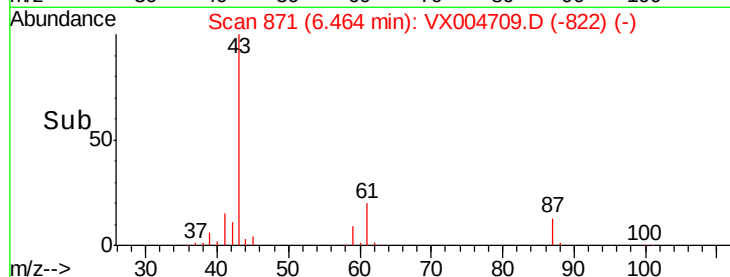
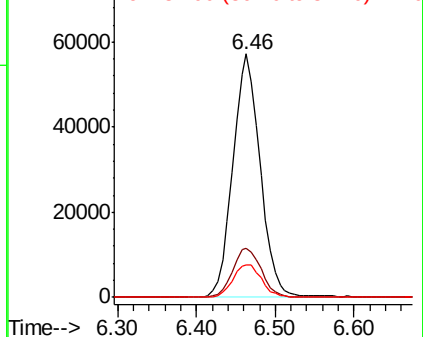
43 100

61 21.3 17.0 25.4

87 14.1 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 43.64 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004709.D

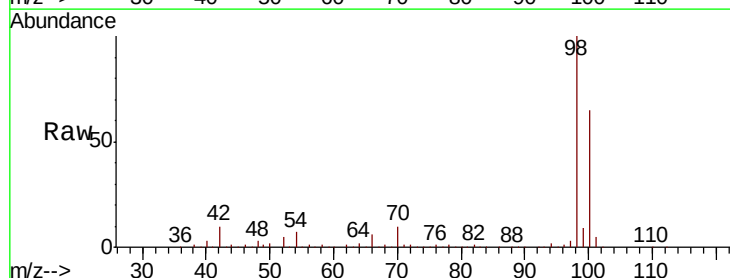
Acq: 19 Sep 2018 16:46

Tgt Ion: 98 Resp: 443545

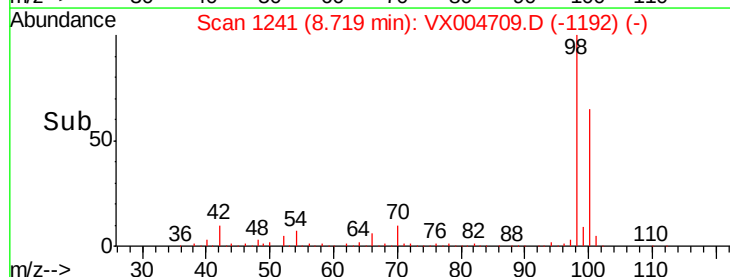
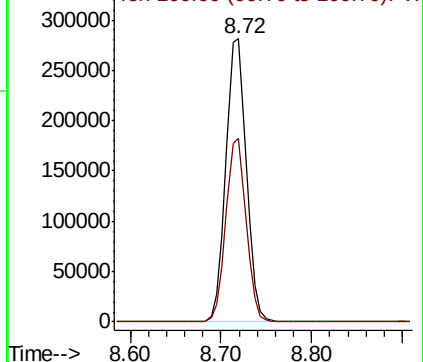
Ion Ratio Lower Upper

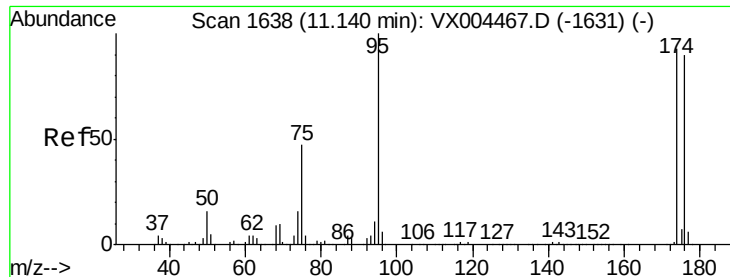
98 100

100 64.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

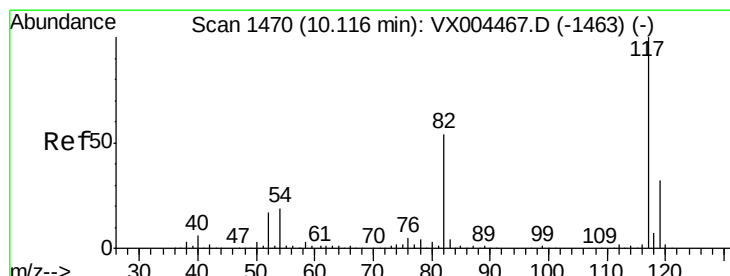
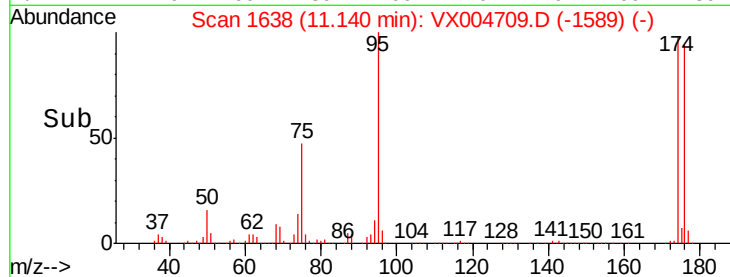
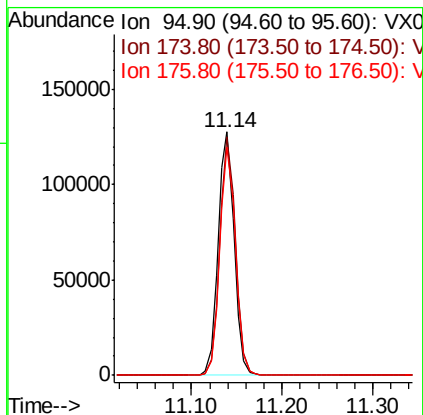
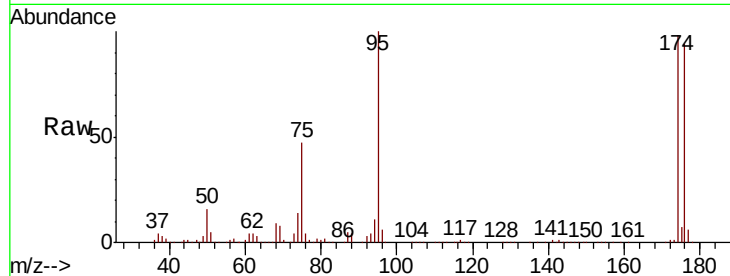




#62
4-Bromofluorobenzene
Concen: 43.36 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004709.D
Acq: 19 Sep 2018 16:46

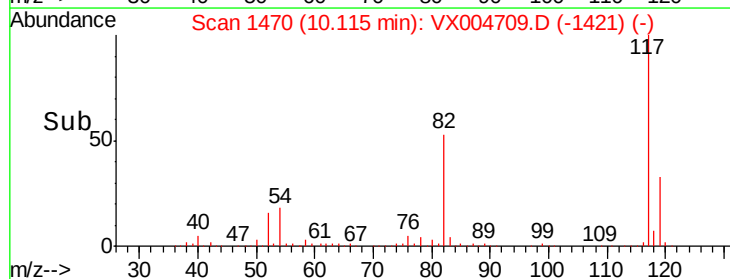
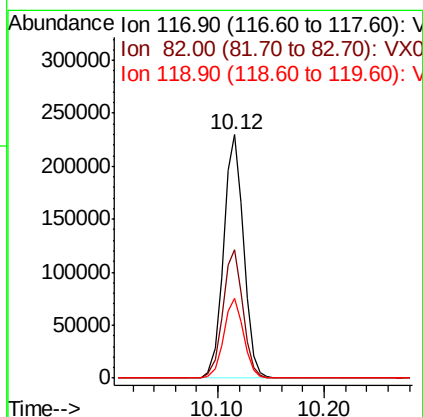
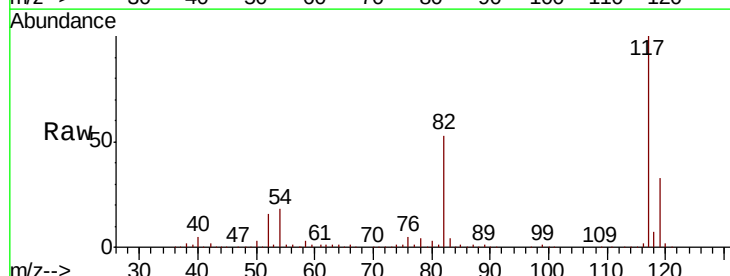
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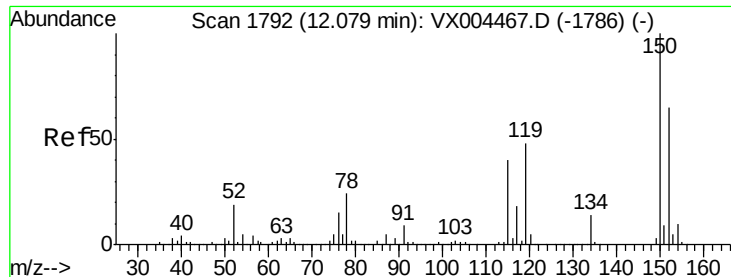
Tot Ion: 95 Resp: 157291
Ion Ratio Lower Upper
95 100
174 96.6 0.0 185.2
176 92.3 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004709.D
Acq: 19 Sep 2018 16:46

Tgt Ion: 117 Resp: 302587
Ion Ratio Lower Upper
117 100
82 52.6 47.8 71.6
119 32.8 29.3 43.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004709.D

Acq: 19 Sep 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

CB-0918-S-TCLP-GRID56-2

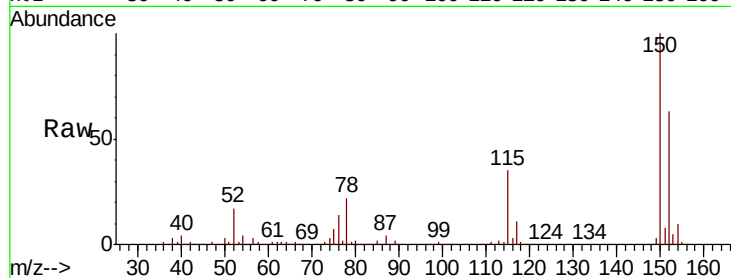
Tot Ion:152 Resp: 167434

Ion Ratio Lower Upper

152 100

115 54.7 39.0 117.0

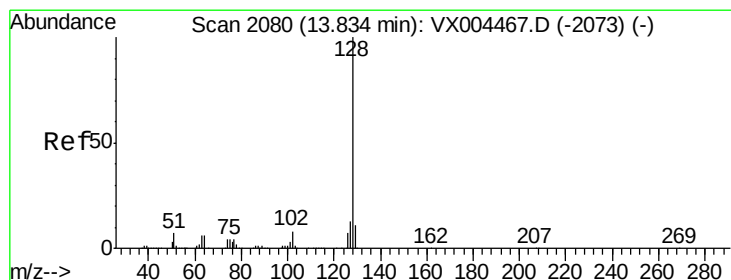
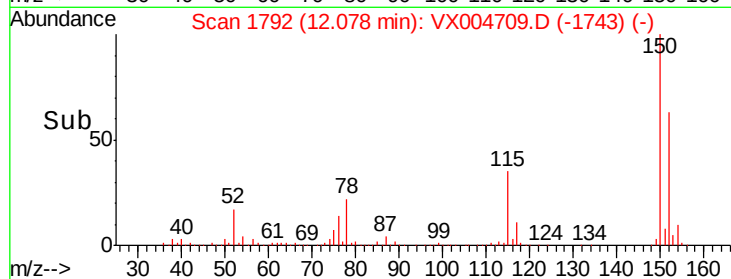
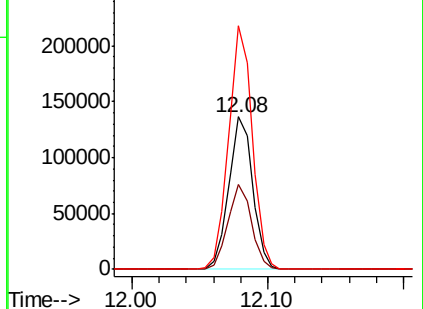
150 157.0 0.0 351.0



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



#95

Naphthalene

Concen: 49.52 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004709.D

Acq: 19 Sep 2018 16:46

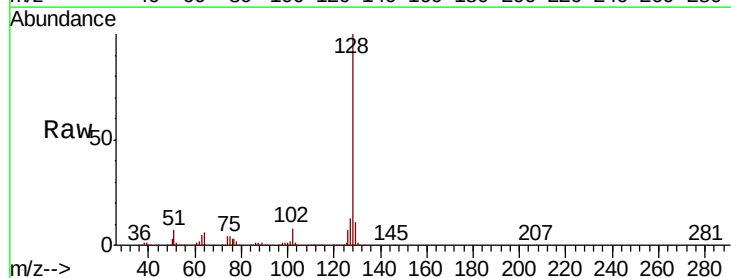
Tgt Ion:128 Resp: 566086

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 10.9 8.6 12.8



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

