

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070918\
 Data File : VX003276.D
 Acq On : 10 Jul 2018 05:50
 Operator : JC/MD
 Sample : J3891-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 212-72-11940-R4-VNJ-242

Quant Time: Jul 10 06:41:58 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	250473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	345412	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	321961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	184949	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	158947	40.32	ug/l	0.00
Spiked Amount			Recovery	=	80.64%	
35) Dibromofluoromethane	5.51	113	135508	36.52	ug/l	0.00
Spiked Amount			Recovery	=	73.04%	
50) Toluene-d8	8.72	98	486495	36.91	ug/l	0.00
Spiked Amount			Recovery	=	73.82%	
62) 4-Bromofluorobenzene	11.14	95	169067	34.71	ug/l	0.00
Spiked Amount			Recovery	=	69.42%	

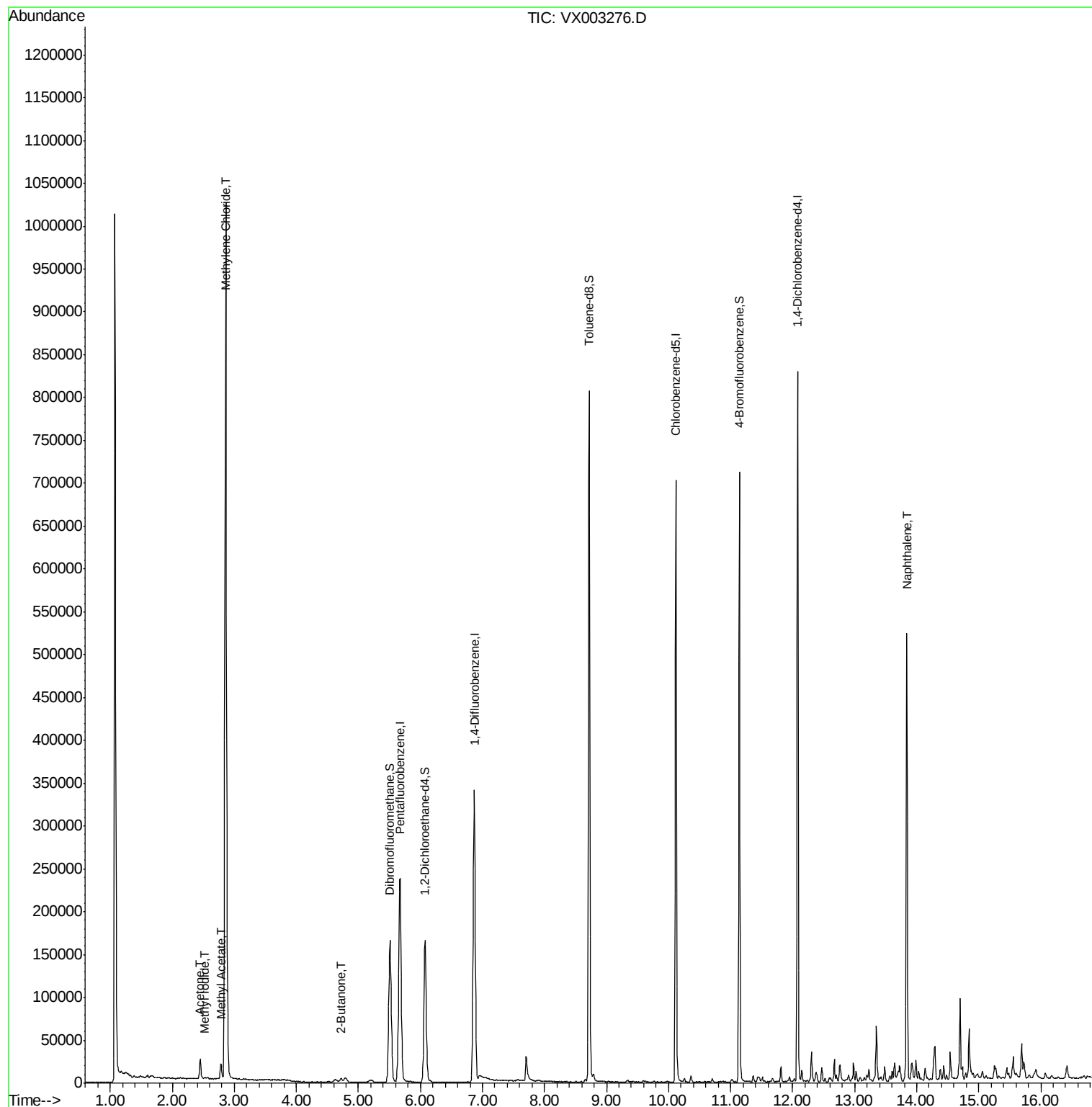
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.52	142	1291	5.99	ug/l	98
16) Acetone	2.45	43	26553	18.97	ug/l	94
18) Methyl Acetate	2.78	43	22315	5.65	ug/l	96
20) Methylene Chloride	2.86	84	483147	170.17	ug/l	93
25) 2-Butanone	4.72	43	6395	2.58	ug/l	92
95) Naphthalene	13.84	128	333456	22.55	ug/l	99

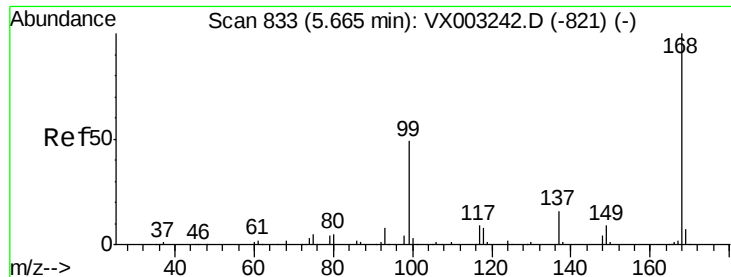
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003276.D

Acq: 10 Jul 2018 05:50

Instrument :

MSVOA_X

ClientSampleId :

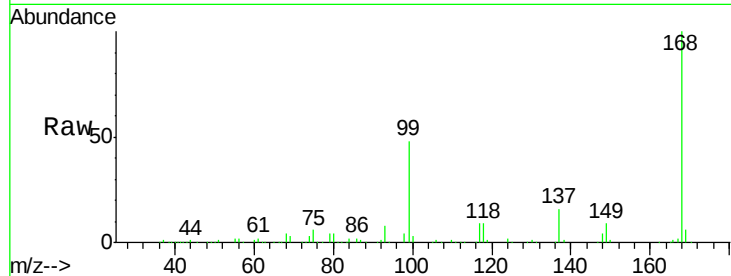
212-72-11940-R4-VNJ-242

Tot Ion:168 Resp: 250473

Ion Ratio Lower Upper

168 100

99 47.8 39.3 58.9

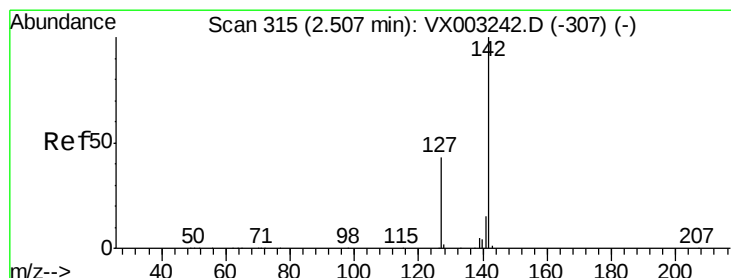
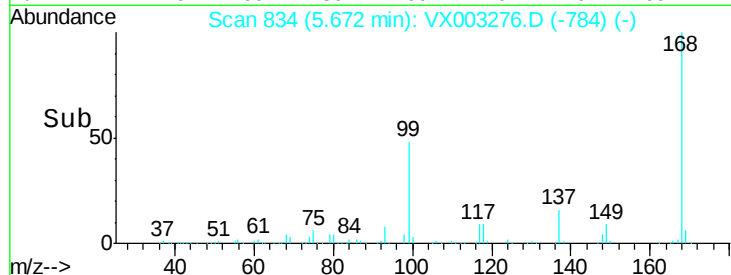


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 5.99 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003276.D

Acq: 10 Jul 2018 05:50

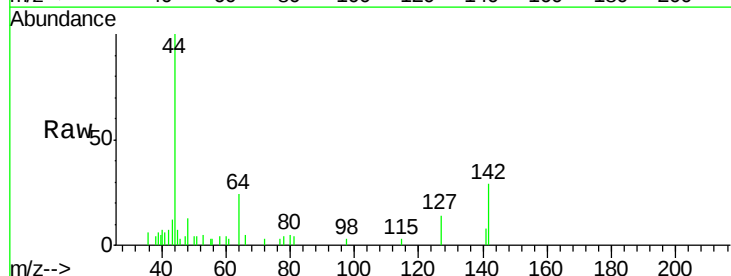
Tgt Ion:142 Resp: 1291

Ion Ratio Lower Upper

142 100

127 47.4 36.6 55.0

141 14.3 11.3 16.9



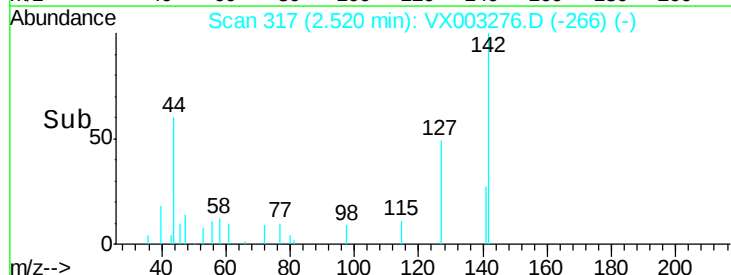
Abundance Ion 141.80 (141.50 to 142.50): V

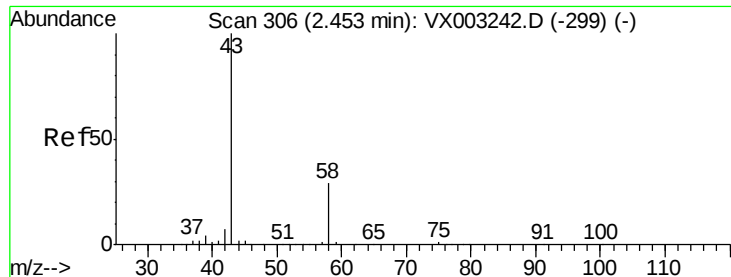
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.52

Time--> 2.45 2.50 2.55 2.60





#16

Acetone

Concen: 18.97 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003276.D

Acq: 10 Jul 2018 05:50

Instrument :

MSVOA_X

ClientSampleId :

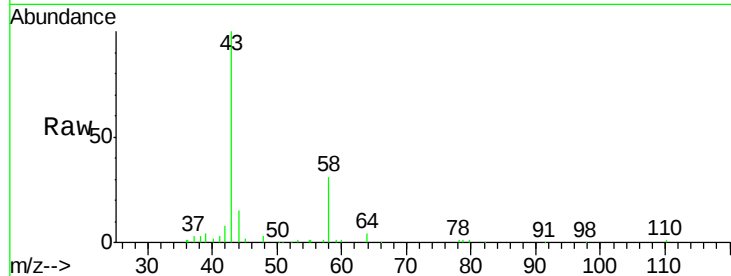
212-72-11940-R4-VNJ-242

Tot Ion: 43 Resp: 26553

Ion Ratio Lower Upper

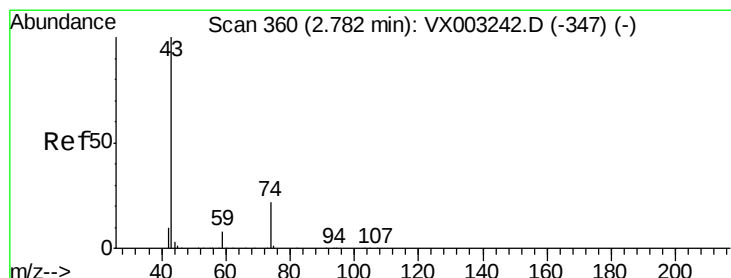
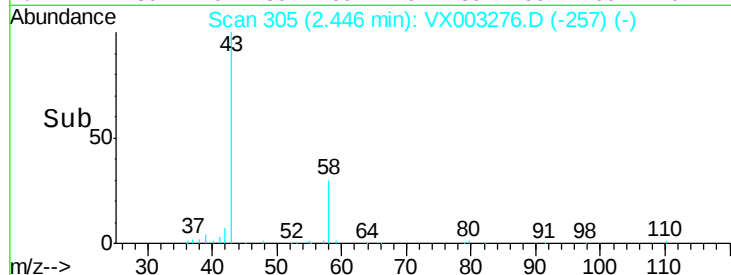
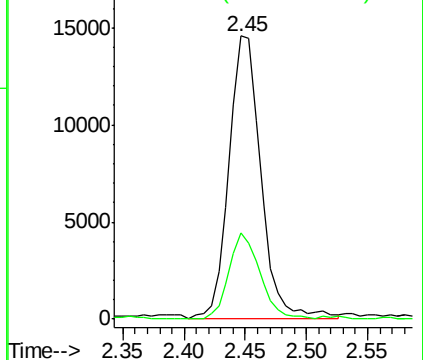
43 100

58 30.6 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 5.65 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX003276.D

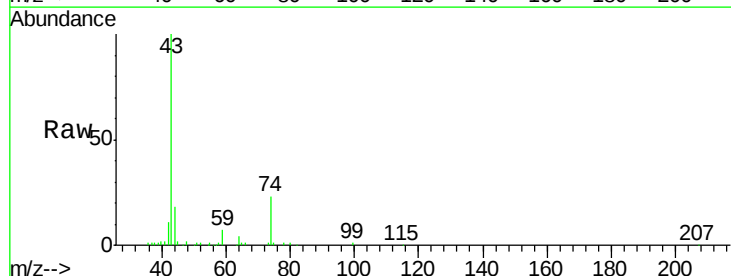
Acq: 10 Jul 2018 05:50

Tgt Ion: 43 Resp: 22315

Ion Ratio Lower Upper

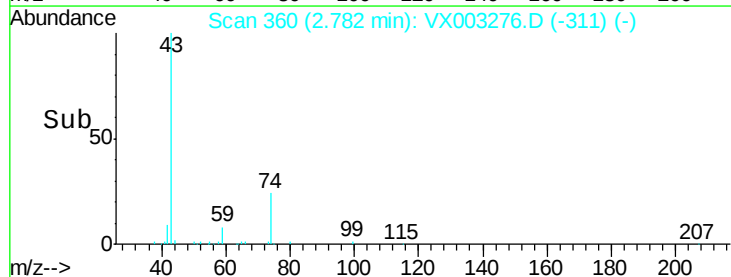
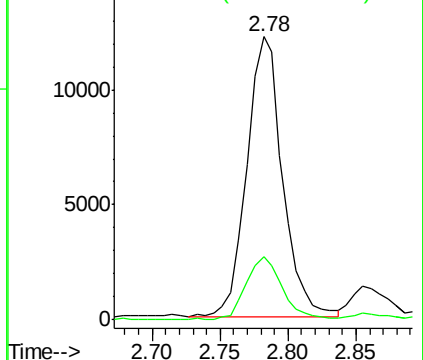
43 100

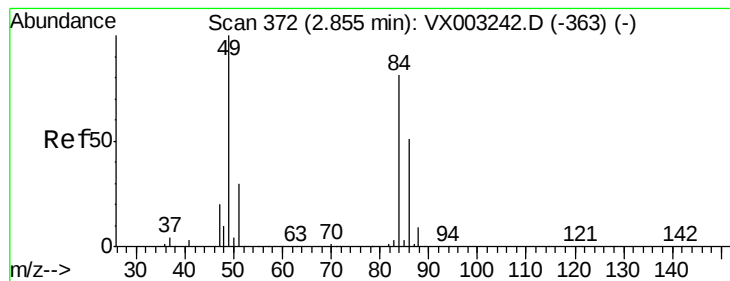
74 22.9 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methvlene Chloride

Concen: 170.17 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003276.D

Acq: 10 Jul 2018 05:50

Instrument :

MSVOA_X

ClientSampleId :

212-72-11940-R4-VNJ-242

Tot Ion: 84 Resp: 483147

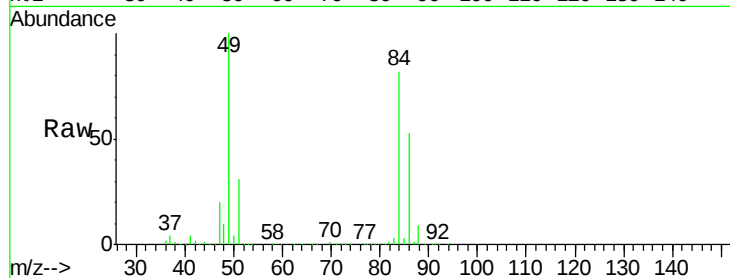
Ion Ratio Lower Upper

84 100

49 121.5 107.8 161.6

51 37.9 32.8 49.2

86 64.3 52.5 78.7

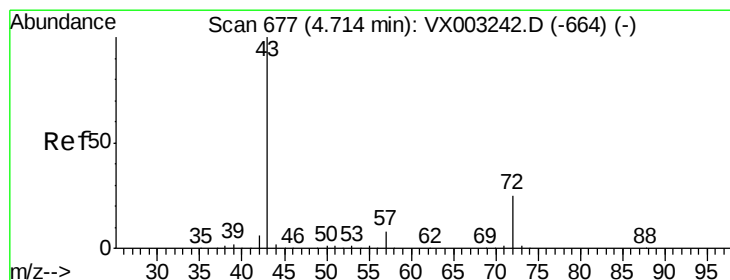
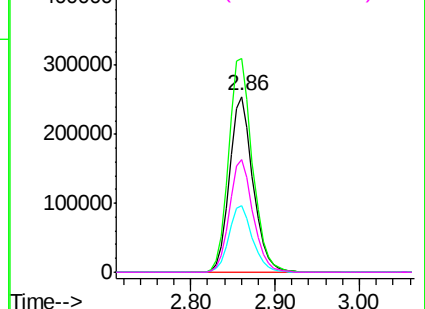
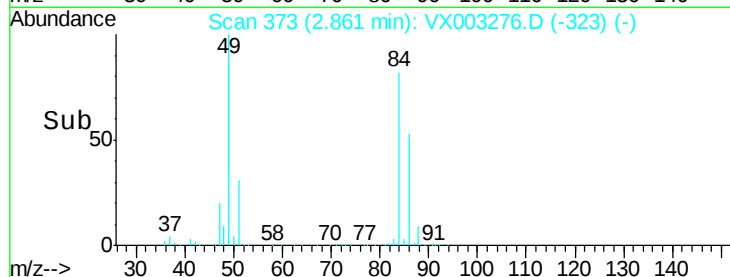


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 2.58 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003276.D

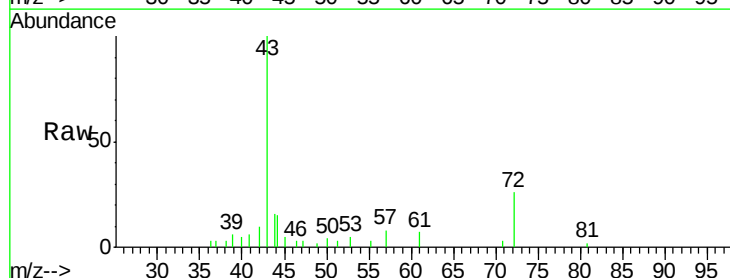
Acq: 10 Jul 2018 05:50

Tgt Ion: 43 Resp: 6395

Ion Ratio Lower Upper

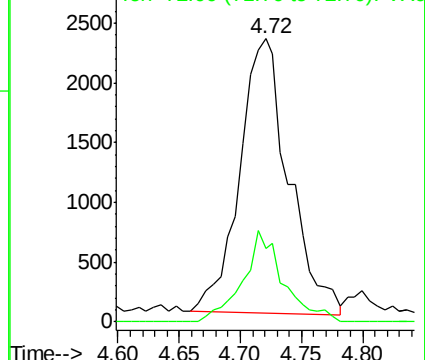
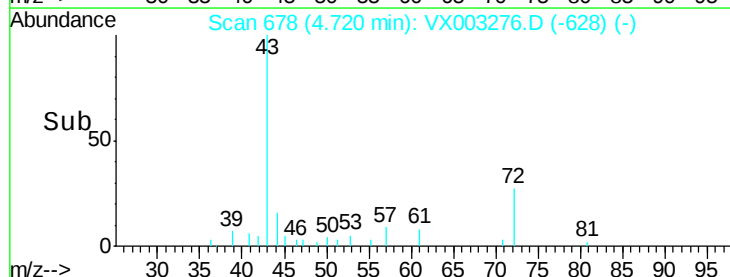
43 100

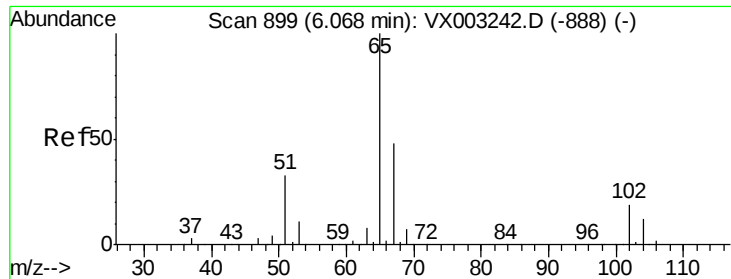
72 26.8 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

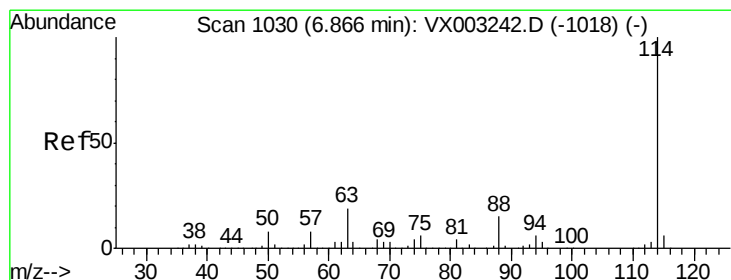
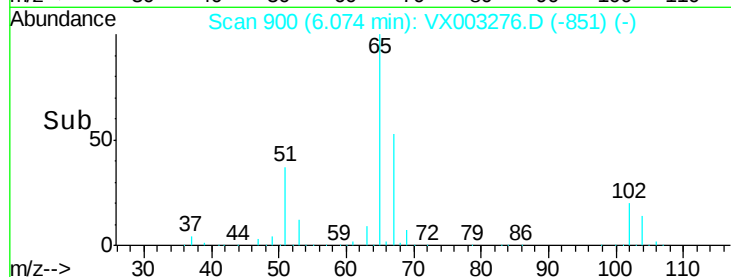
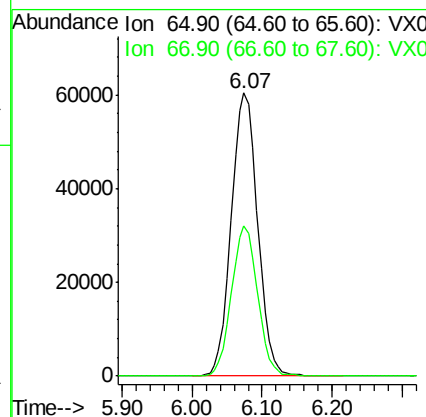
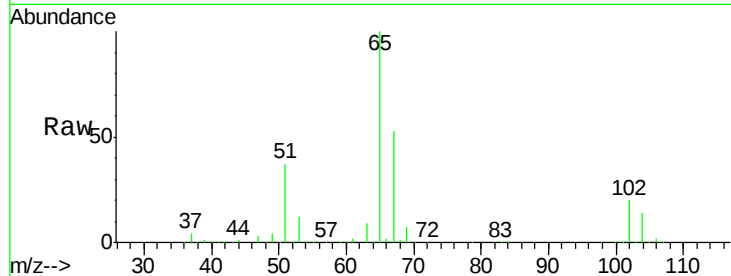




#33
 1,2-Dichloroethane-d4
 Concen: 40.32 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX003276.D
 Acq: 10 Jul 2018 05:50

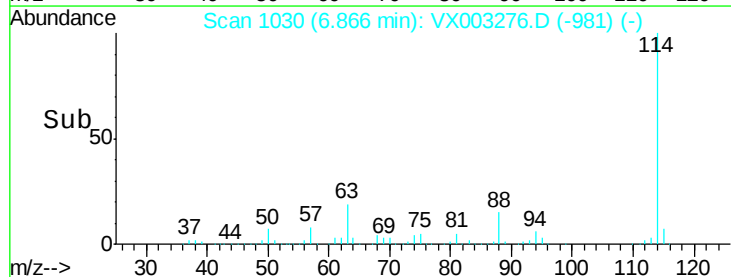
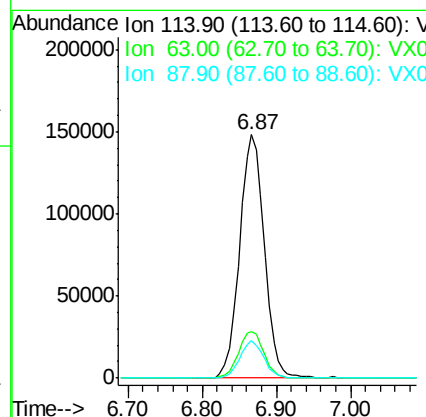
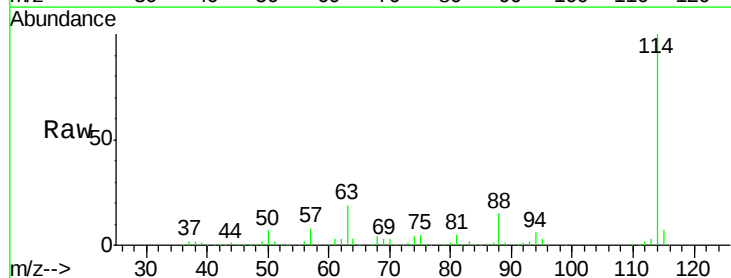
Instrument :
 MSVOA_X
 ClientSampleId :
 212-72-11940-R4-VNJ-242

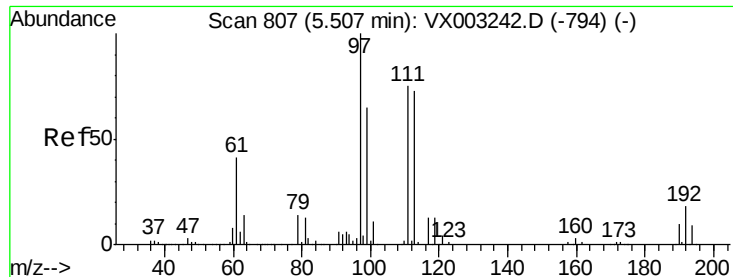
Tot Ion: 65 Resp: 158947
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003276.D
 Acq: 10 Jul 2018 05:50

Tgt Ion: 114 Resp: 345412
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 41.4
 88 15.2 0.0 30.0

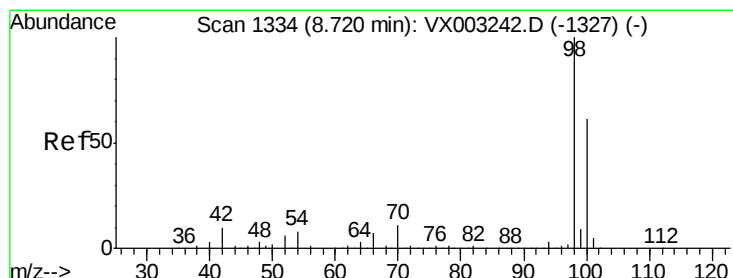
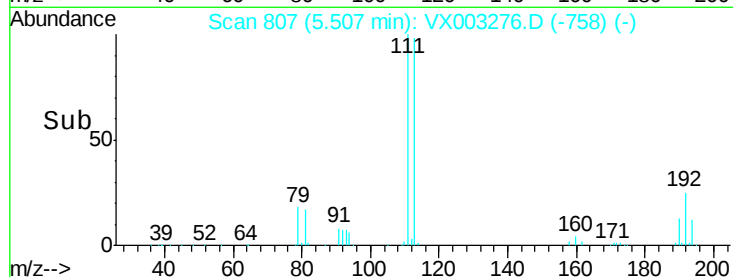
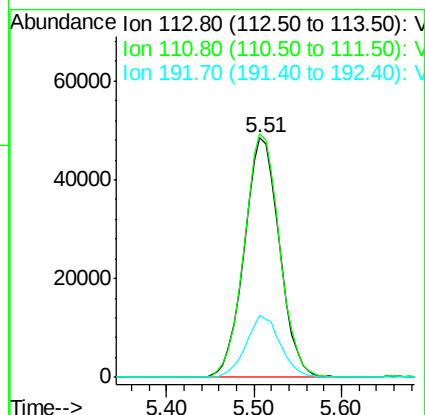
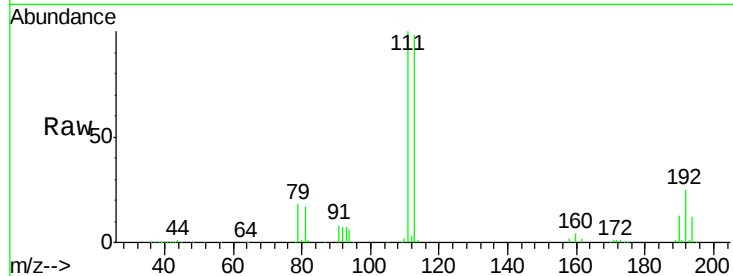




#35
 Dibromofluoromethane
 Concen: 36.52 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003276.D
 Acq: 10 Jul 2018 05:50

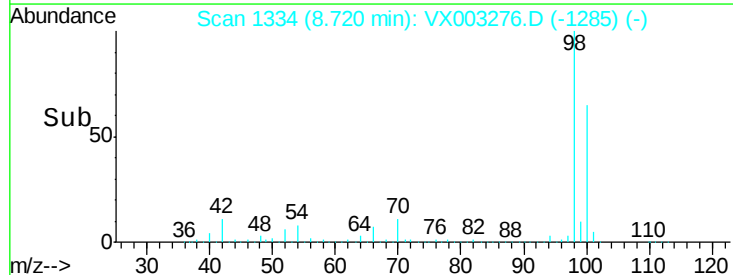
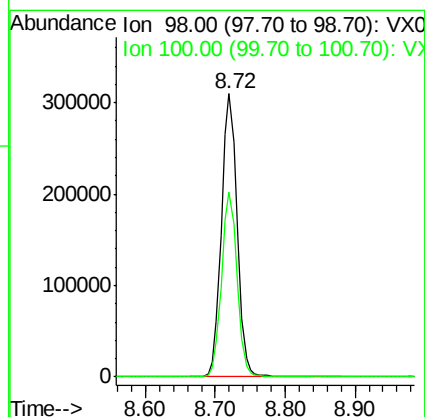
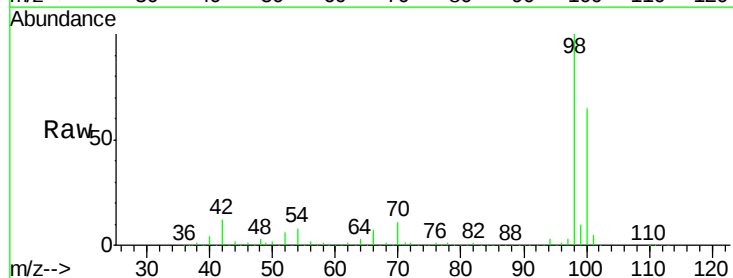
Instrument :
 MSVOA_X
 ClientSampleId :
 212-72-11940-R4-VNJ-242

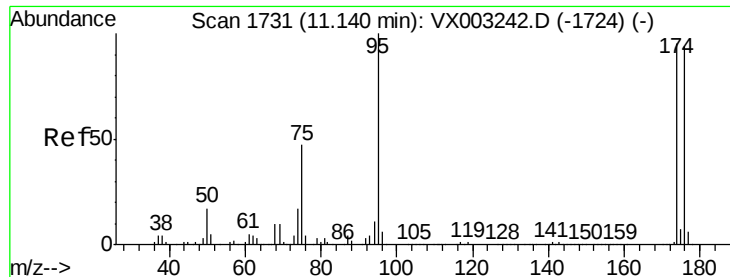
Tot Ion:113 Resp: 135508
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.4 122.0
 192 25.2 19.1 28.7



#50
 Toluene-d8
 Concen: 36.91 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX003276.D
 Acq: 10 Jul 2018 05:50

Tgt Ion: 98 Resp: 486495
 Ion Ratio Lower Upper
 98 100
 100 64.0 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 34.71 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003276.D

Acq: 10 Jul 2018 05:50

Instrument :

MSVOA_X

ClientSampleId :

212-72-11940-R4-VNJ-242

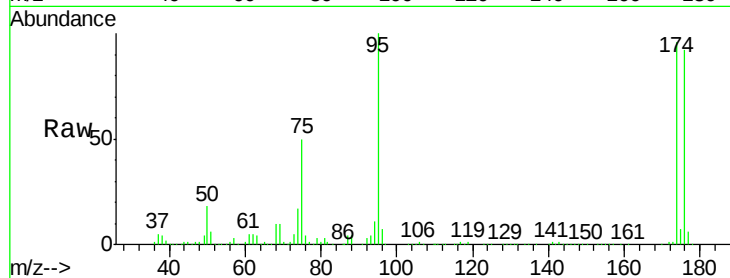
Tot Ion: 95 Resp: 169067

Ion Ratio Lower Upper

95 100

174 99.6 0.0 187.4

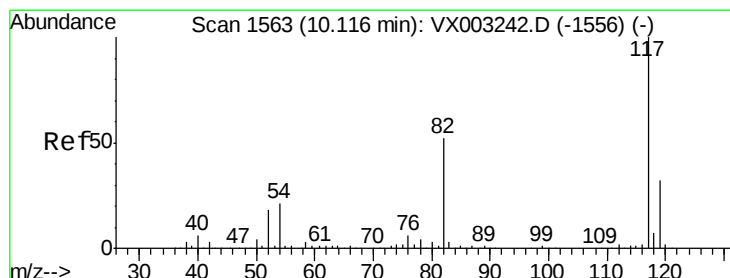
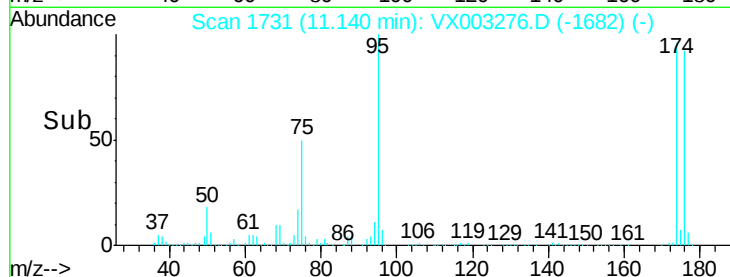
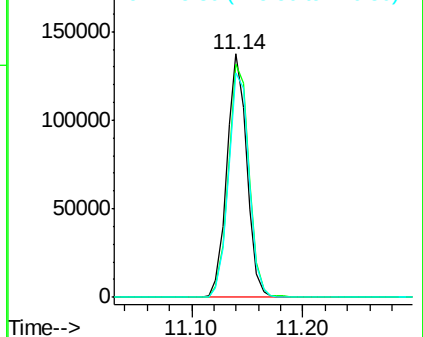
176 95.8 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX003276.D

Acq: 10 Jul 2018 05:50

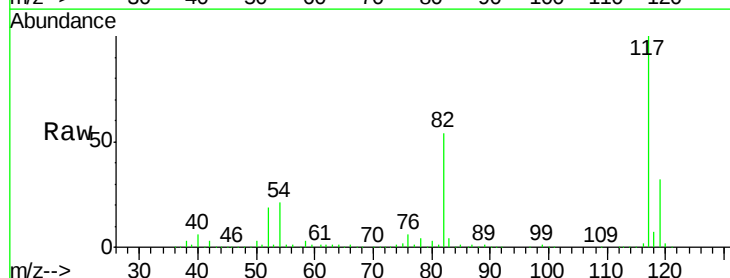
Tgt Ion: 117 Resp: 321961

Ion Ratio Lower Upper

117 100

82 54.4 45.0 67.4

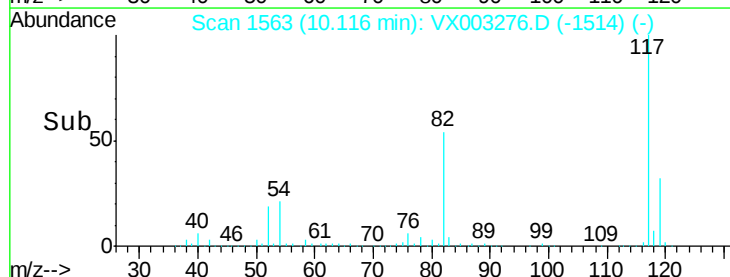
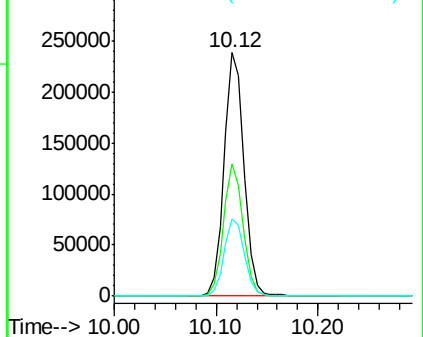
119 31.8 25.8 38.6

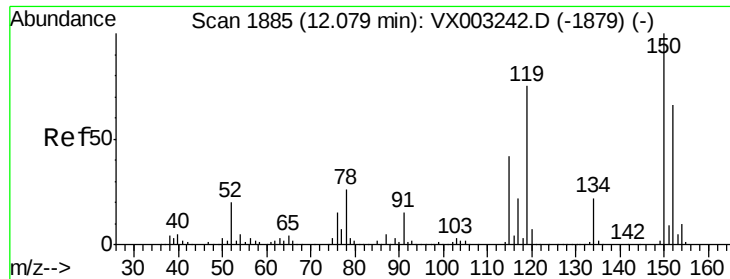


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003276.D

Acq: 10 Jul 2018 05:50

Instrument :

MSVOA_X

ClientSampleId :

212-72-11940-R4-VNJ-242

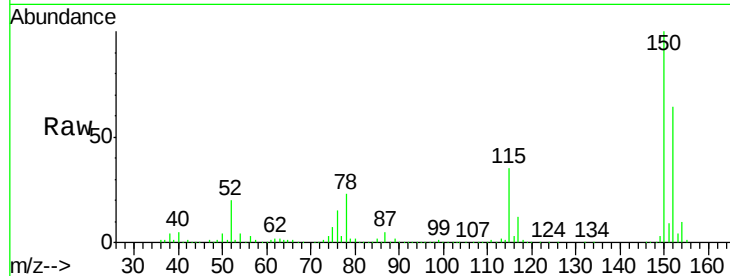
Tot Ion:152 Resp: 184949

Ion Ratio Lower Upper

152 100

115 53.7 40.1 120.2

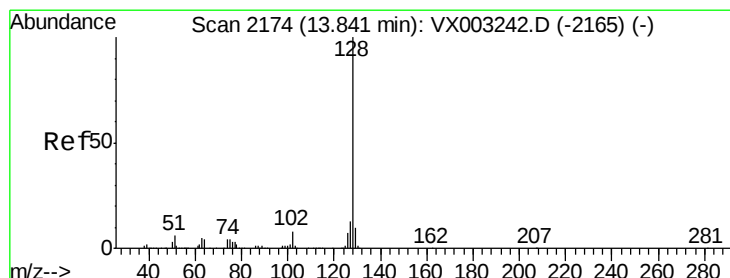
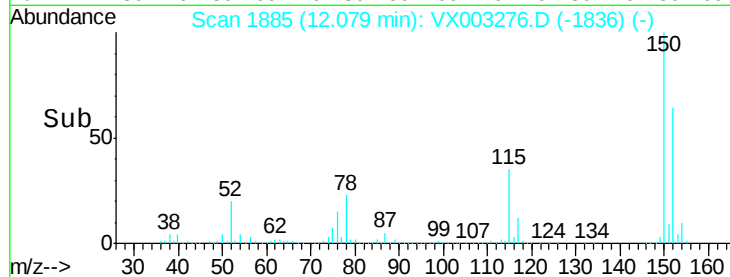
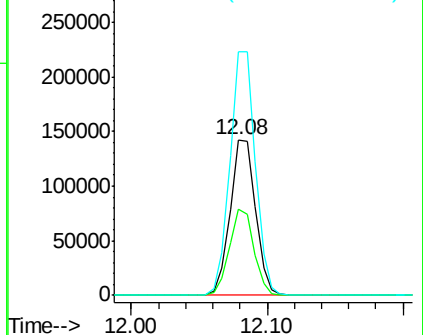
150 156.7 0.0 347.2



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: 22.55 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.01 min

Lab File: VX003276.D

Acq: 10 Jul 2018 05:50

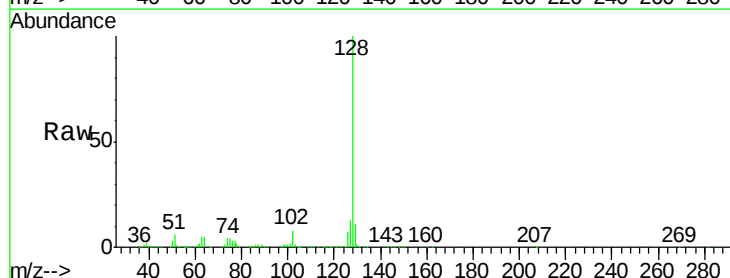
Tgt Ion:128 Resp: 333456

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 11.2 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

