

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111318\
 Data File : VX005942.D
 Acq On : 13 Nov 2018 12:07
 Operator : JC/MD
 Sample : VX1113WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBL01

Quant Time: Nov 14 03:23:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	93540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	136009	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	122793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	60004	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	61280	56.99	ug/l	0.00
Spiked Amount			Recovery	=	113.98%	
35) Dibromofluoromethane	5.51	113	49399	53.40	ug/l	0.00
Spiked Amount			Recovery	=	106.80%	
50) Toluene-d8	8.71	98	162373	52.80	ug/l	0.00
Spiked Amount			Recovery	=	105.60%	
62) 4-Bromofluorobenzene	11.14	95	54073	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	

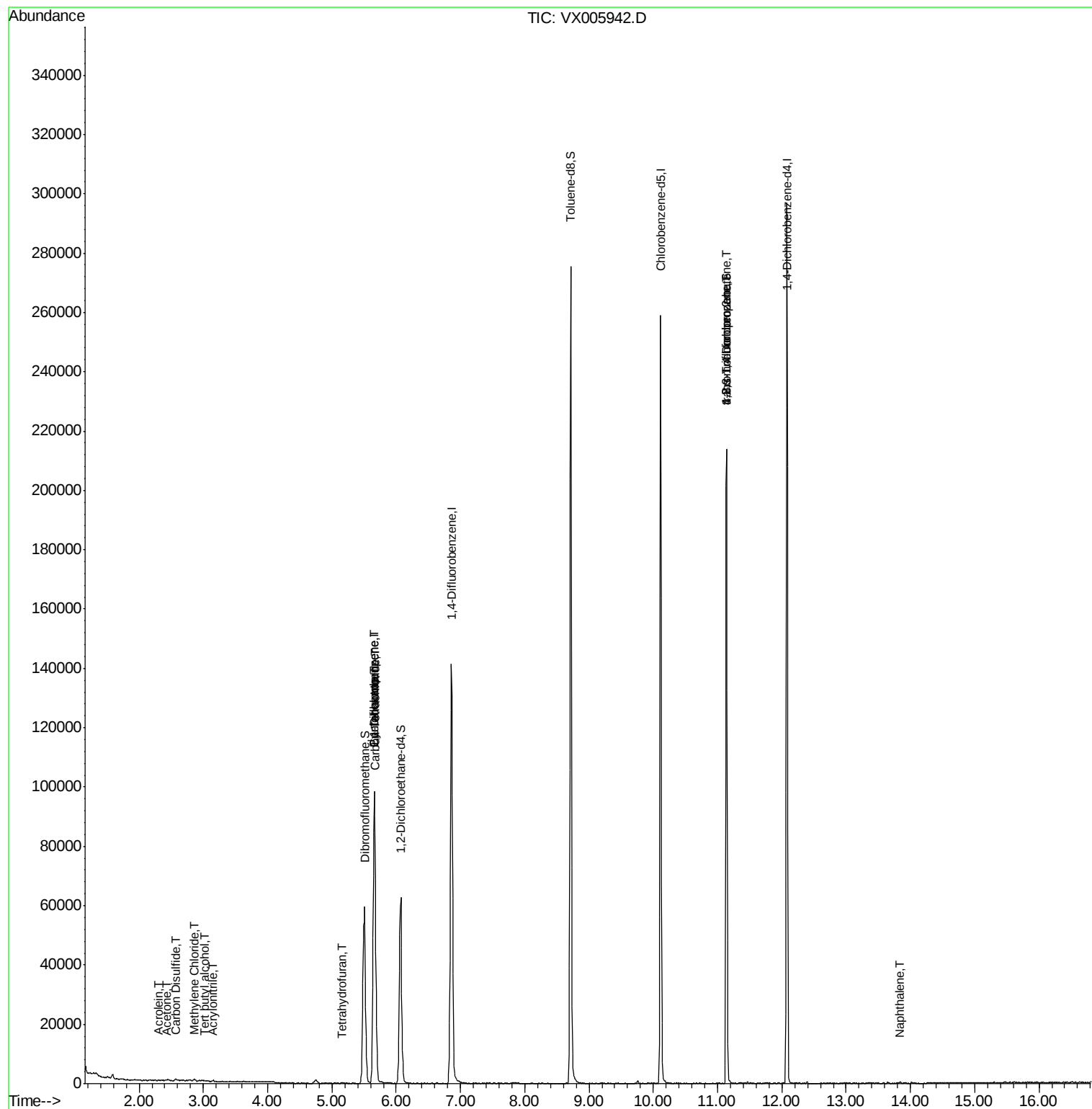
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	264	0.857	ug/l #	72
13) Acrolein	2.30	56	47	19.459	ug/l	89
15) Acrylonitrile	3.14	53	215	0.337	ug/l #	86
16) Acetone	2.43	43	487	0.841	ug/l #	45
17) Carbon Disulfide	2.57	76	572	0.232	ug/l #	69
18) Methyl Acetate	2.78	43	421	Below Cal	#	55
20) Methylene Chloride	2.86	84	219	0.230	ug/l #	87
29) Tetrahydrofuran	5.16	42	132	0.226	ug/l #	36
31) Cyclohexane	5.66	56	1780	1.188	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	6835	5.213	ug/l #	49
38) Carbon Tetrachloride	5.67	117	8543	6.508	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	27524	22.527	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	27524	71.798	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	75	Below Cal	#	31
95) Naphthalene	13.83	128	622	1.318	ug/l #	77

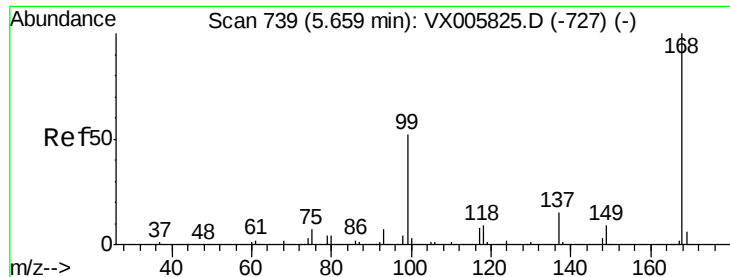
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111318\
Data File : VX005942.D
Acq On : 13 Nov 2018 12:07
Operator : JC/MD
Sample : VX1113WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBL01

Quant Time: Nov 14 03:23:19 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration

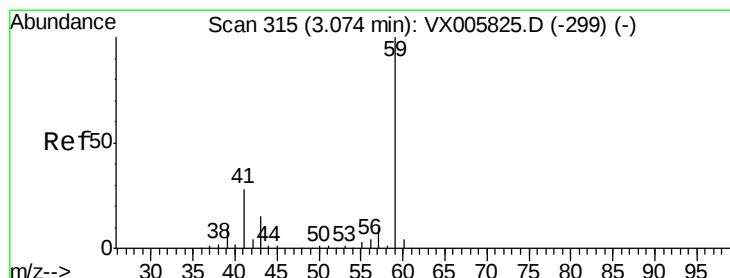
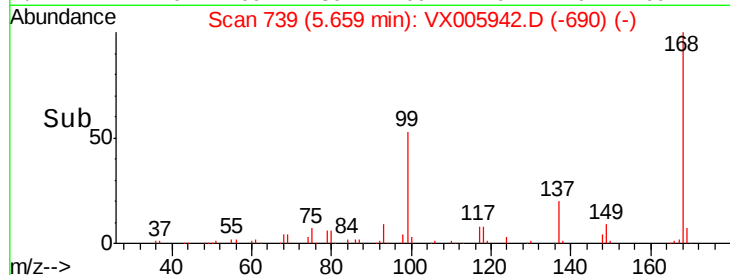
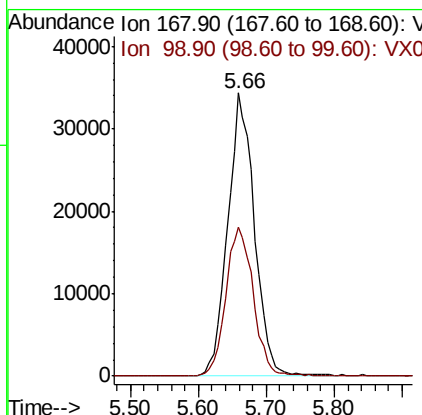
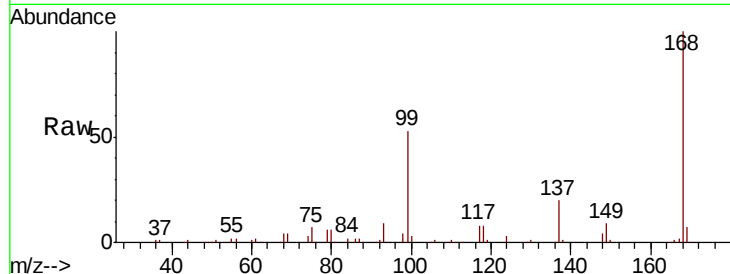




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.00 min
Lab File: VX005942.D
Acq: 13 Nov 2018 12:07

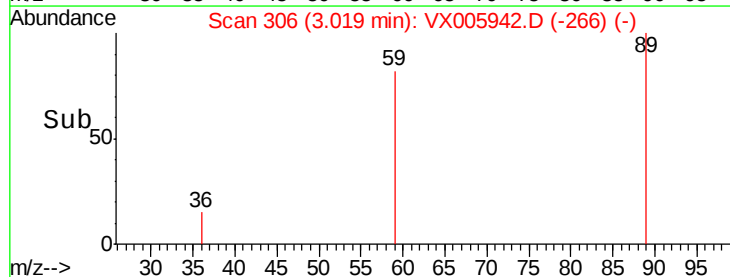
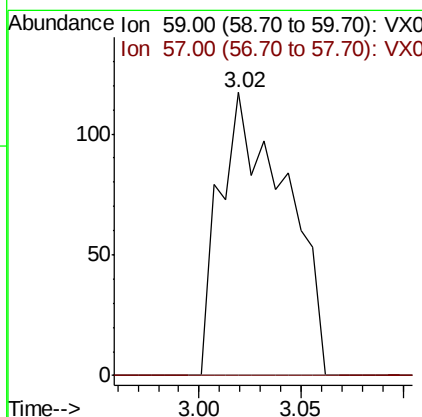
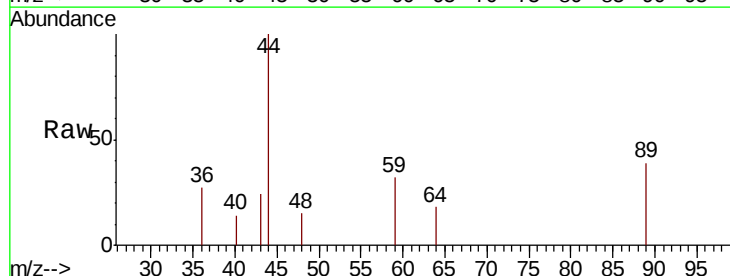
Instrument :
MSVOA_X
ClientSampleId :
VX1113WBL01

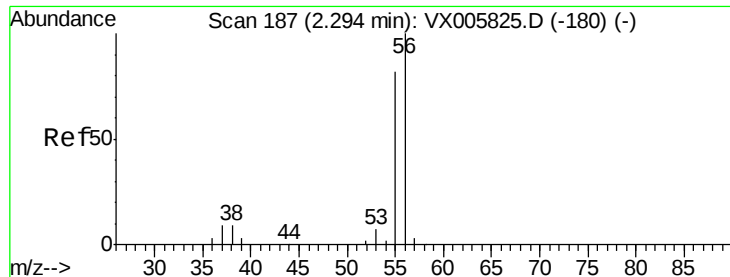
Tot Ion:168 Resp: 93540
Ion Ratio Lower Upper
168 100
99 52.8 40.7 61.1



#11
Tert butyl alcohol
Concen: 0.857 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005942.D
Acq: 13 Nov 2018 12:07

Tgt Ion: 59 Resp: 264
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 19.459 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX005942.D

Acq: 13 Nov 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

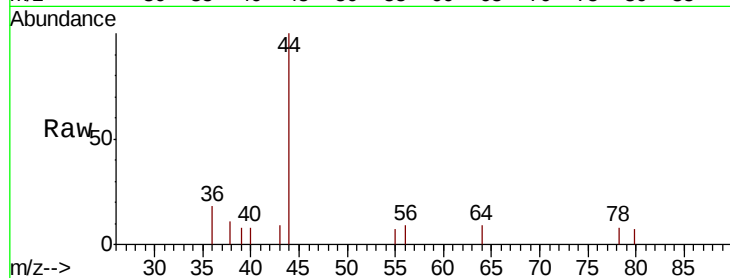
VX1113WBL01

Tot Ion: 56 Resp: 47

Ion Ratio Lower Upper

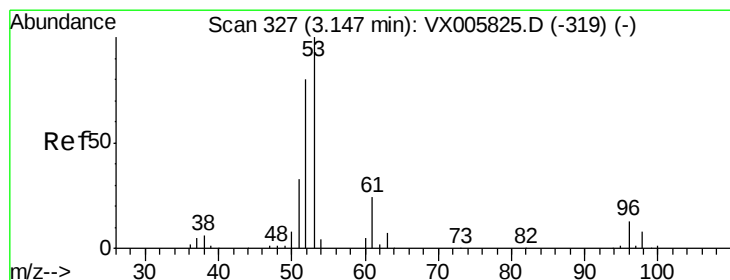
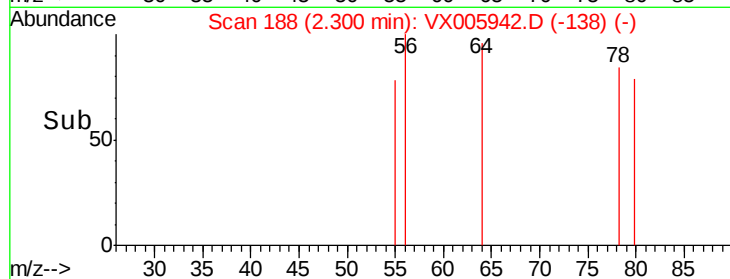
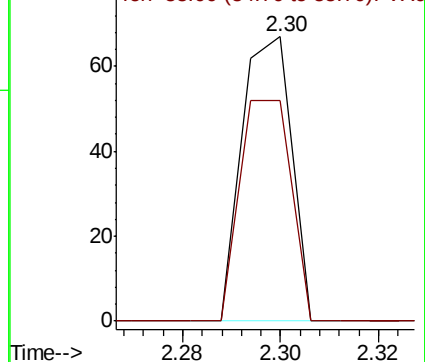
56 100

55 80.9 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.337 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX005942.D

Acq: 13 Nov 2018 12:07

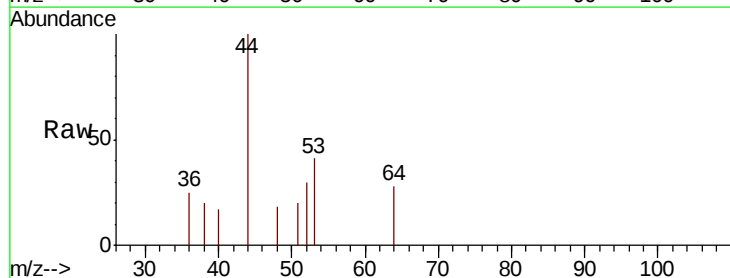
Tgt Ion: 53 Resp: 215

Ion Ratio Lower Upper

53 100

52 93.0 66.6 99.8

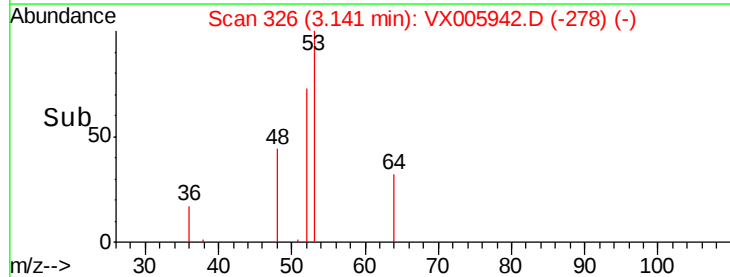
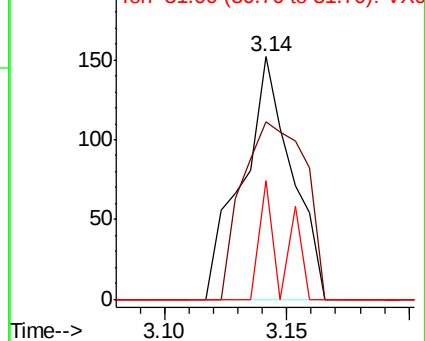
51 22.3 28.4 42.6#

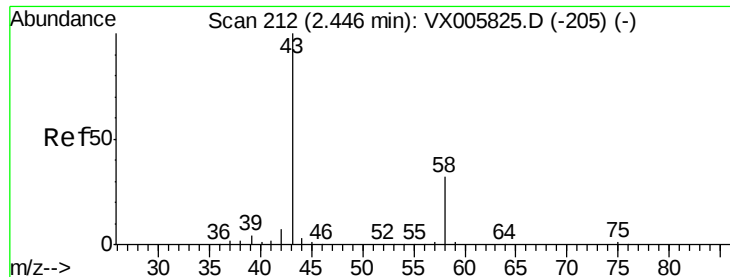


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.841 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX005942.D

Acq: 13 Nov 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

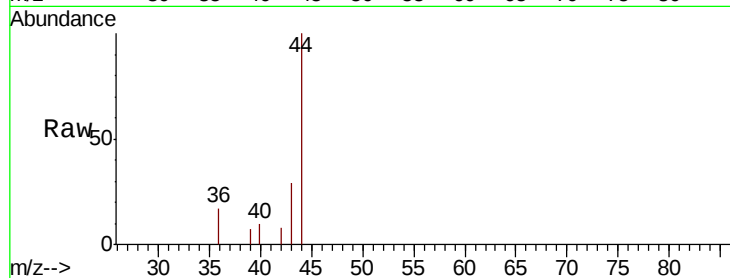
VX1113WBL01

Tot Ion: 43 Resp: 487

Ion Ratio Lower Upper

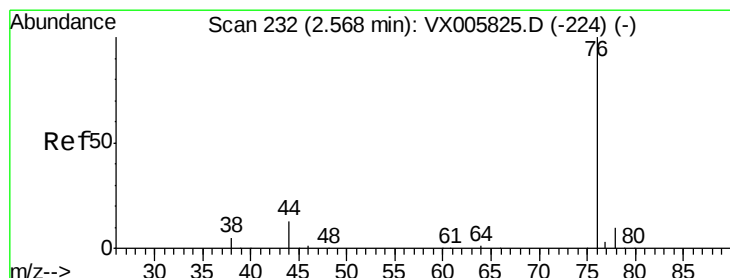
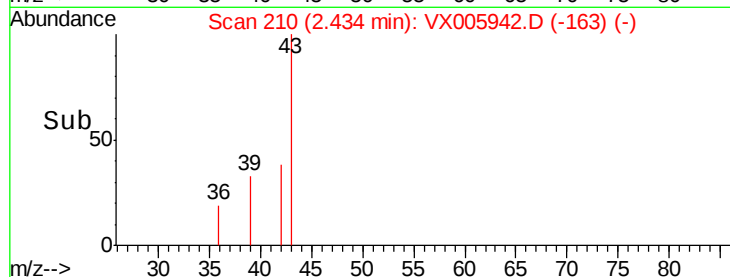
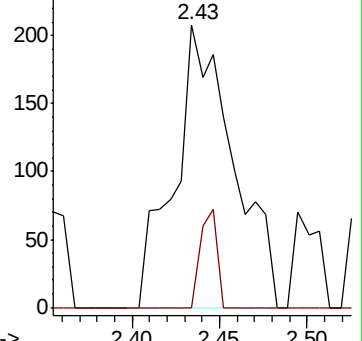
43 100

58 0.0 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.232 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005942.D

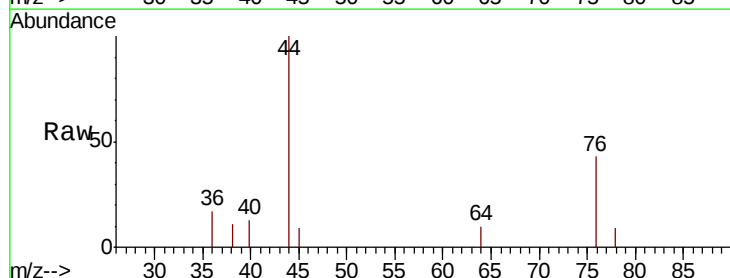
Acq: 13 Nov 2018 12:07

Tgt Ion: 76 Resp: 572

Ion Ratio Lower Upper

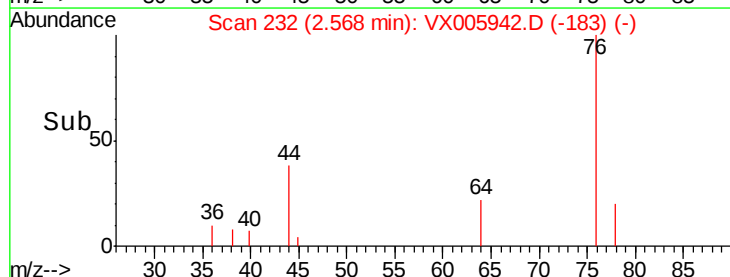
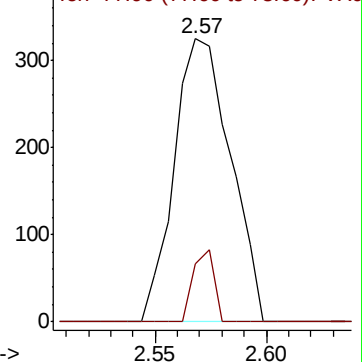
76 100

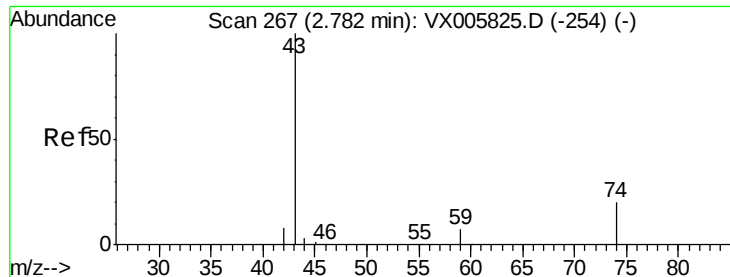
78 20.3 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005942.D

Acq: 13 Nov 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

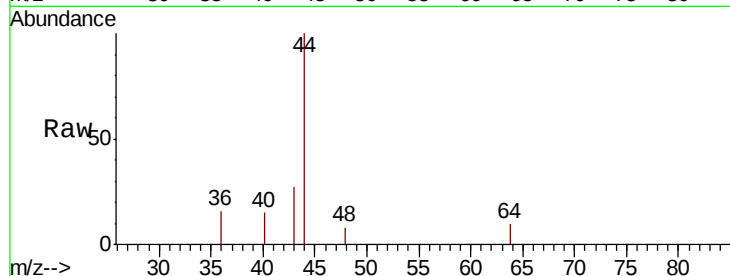
VX1113WBL01

Tot Ion: 43 Resp: 421

Ion Ratio Lower Upper

43 100

74 0.0 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

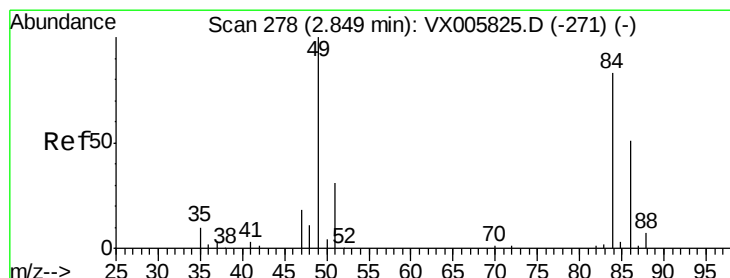
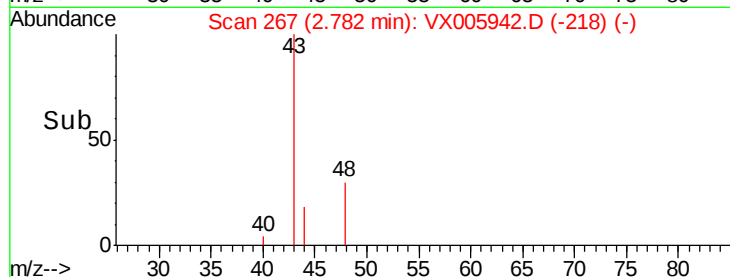
150

100

50

0

Time-->



#20

Methylene Chloride

Concen: 0.230 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005942.D

Acq: 13 Nov 2018 12:07

Tgt Ion: 84 Resp: 219

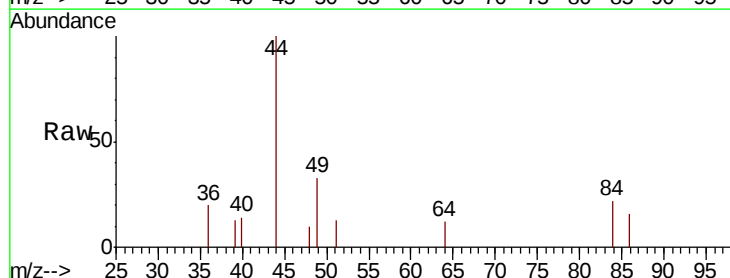
Ion Ratio Lower Upper

84 100

49 149.2 109.5 164.3

51 59.8 33.3 49.9#

86 73.5 52.7 79.1



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

300

250

200

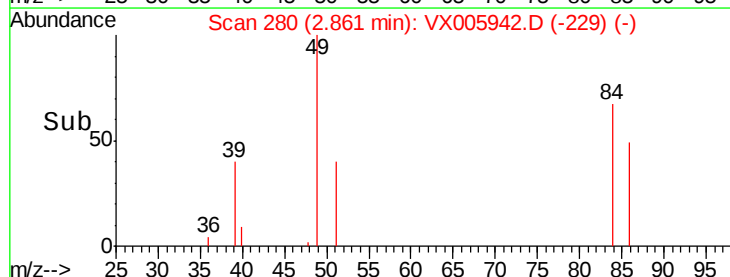
150

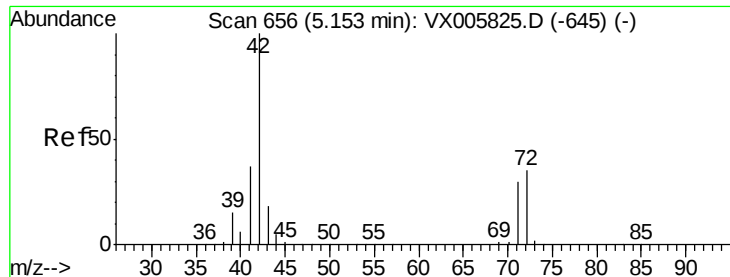
100

50

0

Time-->





#29

Tetrahydrofuran

Concen: 0.226 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX005942.D

Acq: 13 Nov 2018 12:07

Instrument :

MSVOA_X

ClientSampled :

VX1113WBL01

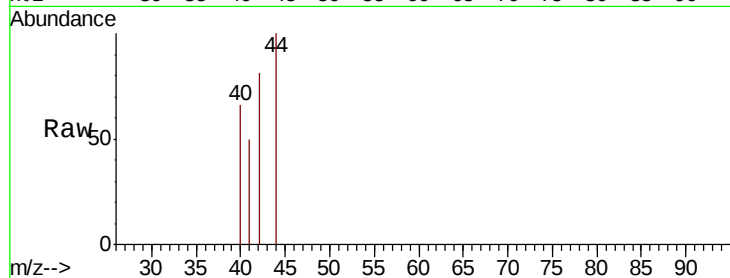
Tot Ion: 42 Resp: 132

Ion Ratio Lower Upper

42 100

72 0.0 32.0 48.0#

71 0.0 29.8 44.8#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

150

100

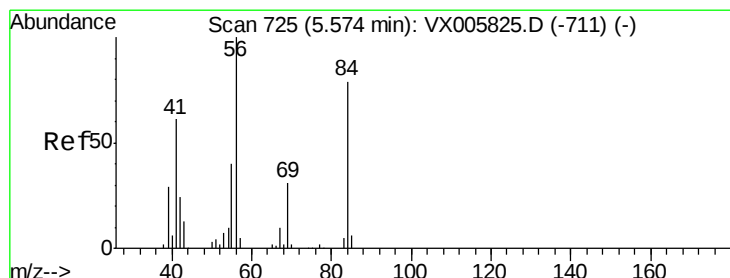
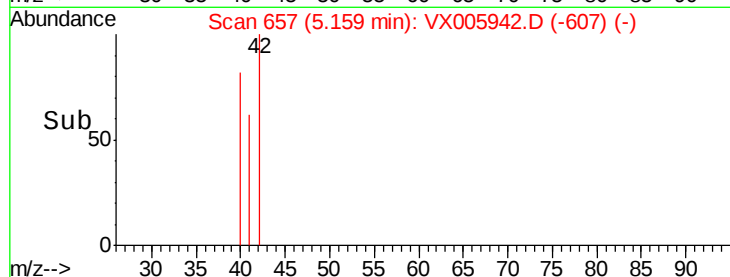
50

0

5.14 5.16 5.18 5.20

5.16

Time-->



#31

Cyclohexane

Concen: 1.188 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005942.D

Acq: 13 Nov 2018 12:07

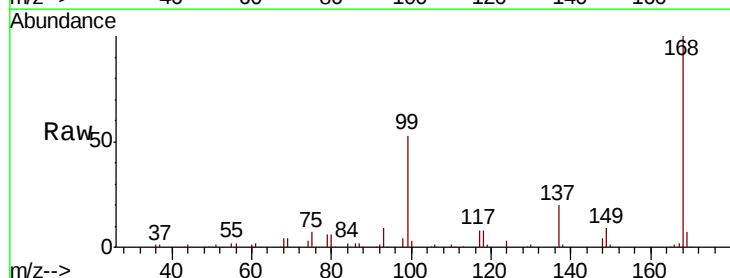
Tgt Ion: 56 Resp: 1780

Ion Ratio Lower Upper

56 100

69 176.0 22.6 34.0#

84 118.1 62.7 94.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

1500

1000

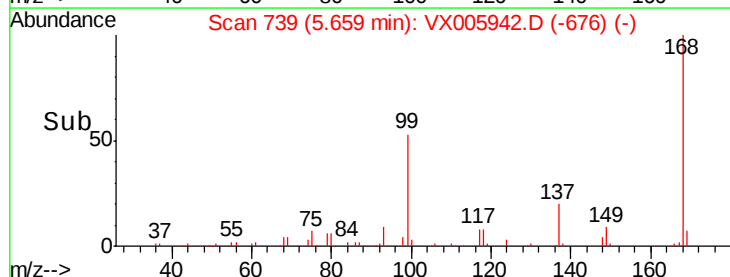
500

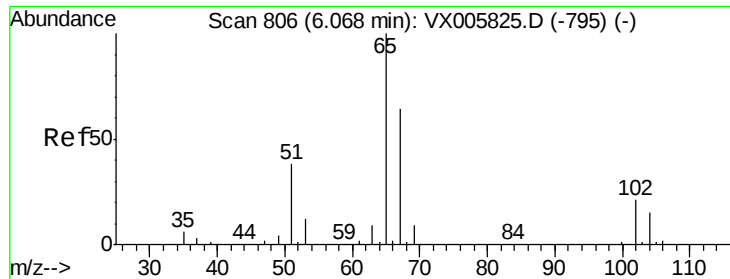
0

5.55 5.60 5.65 5.70 5.75

5.66

Time-->

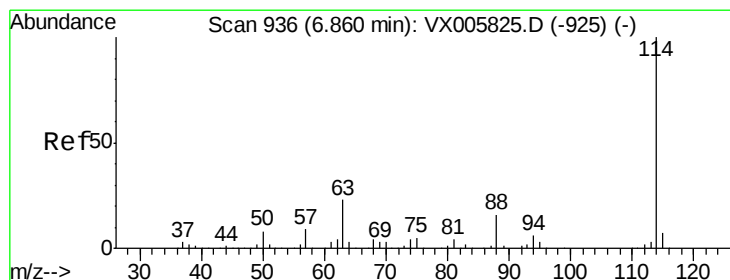
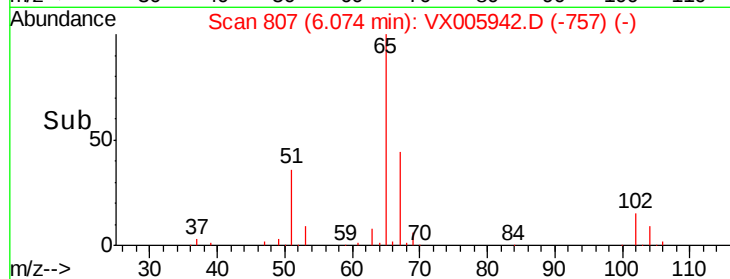
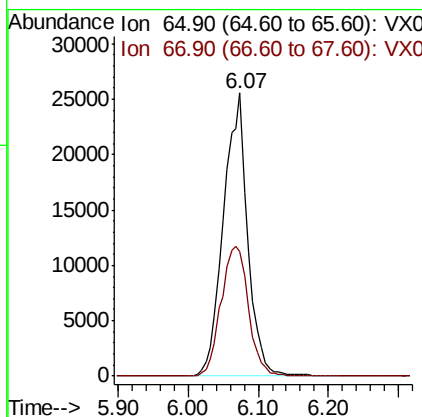
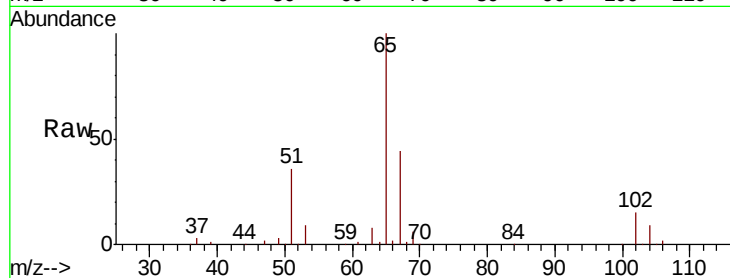




#33
 1,2-Dichloroethane-d4
 Concen: 56.985 ug/l
 RT: 6.07 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX005942.D
 Acq: 13 Nov 2018 12:07

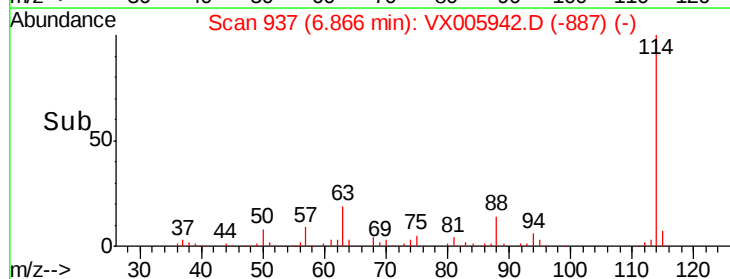
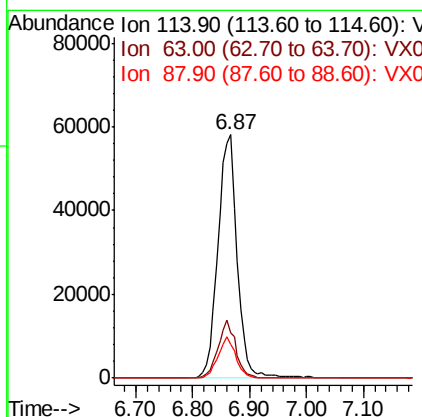
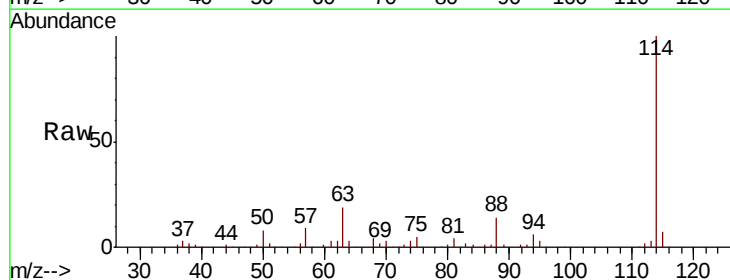
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBL01

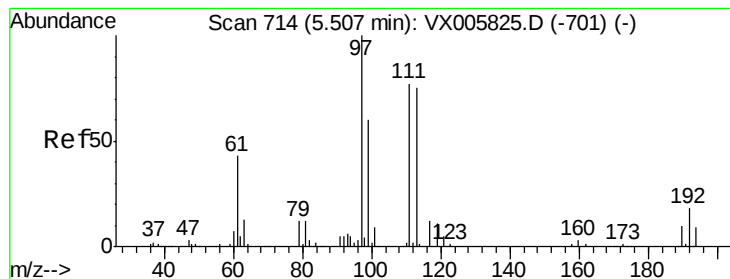
Tot Ion: 65 Resp: 61280
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005942.D
 Acq: 13 Nov 2018 12:07

Tgt Ion: 114 Resp: 136009
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 42.8
 88 13.7 0.0 31.2





#35

Dibromofluoromethane

Concen: 53.400 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX005942.D

Acq: 13 Nov 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBL01

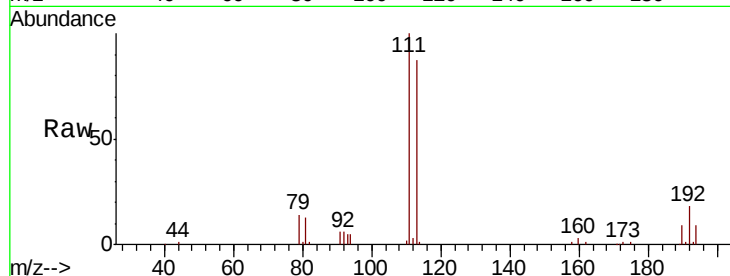
Tot Ion:113 Resp: 49399

Ion Ratio Lower Upper

113 100

111 102.3 82.3 123.5

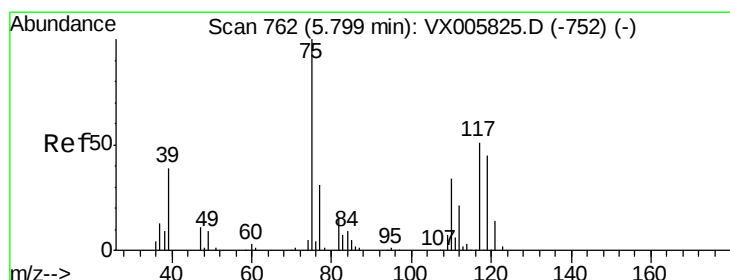
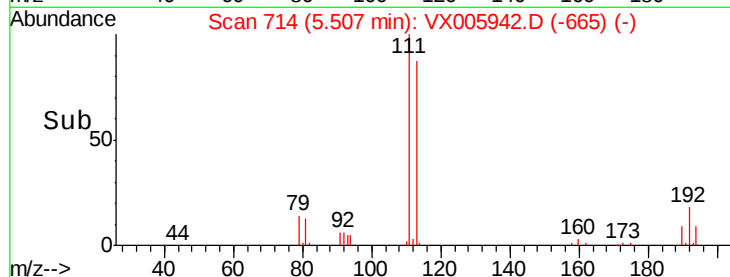
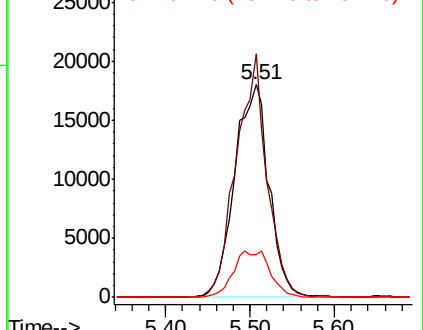
192 23.4 17.9 26.9



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



#36

1,1-Dichloropropene

Concen: 5.213 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX005942.D

Acq: 13 Nov 2018 12:07

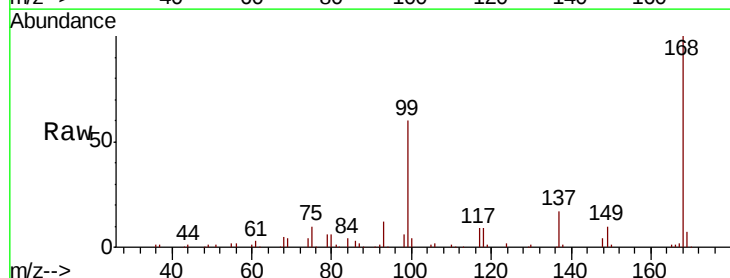
Tgt Ion: 75 Resp: 6835

Ion Ratio Lower Upper

75 100

110 8.3 17.4 52.2#

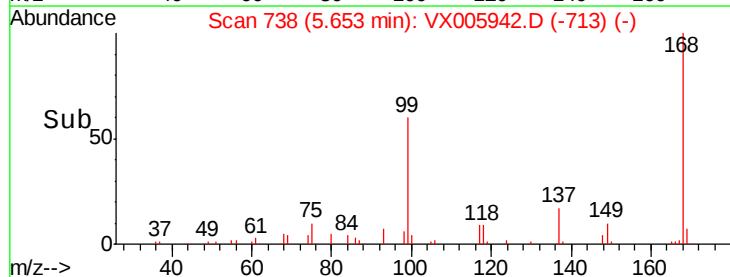
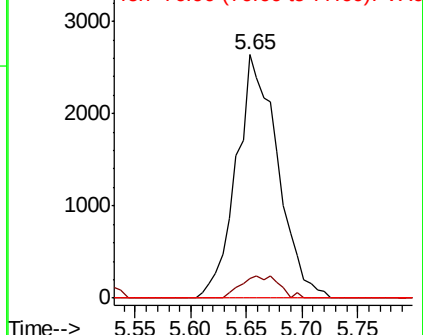
77 0.0 25.8 38.6#

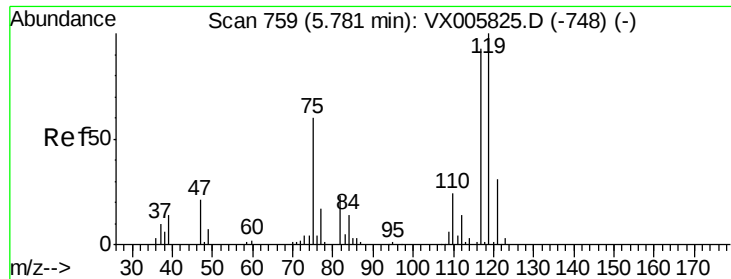


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

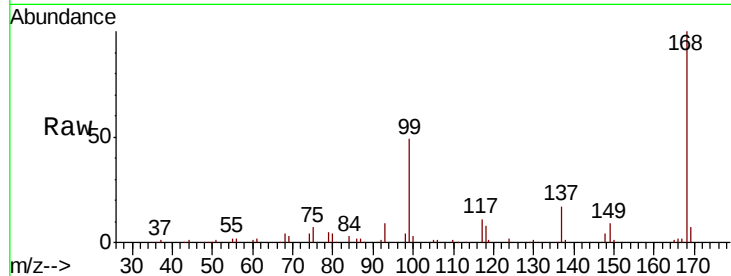




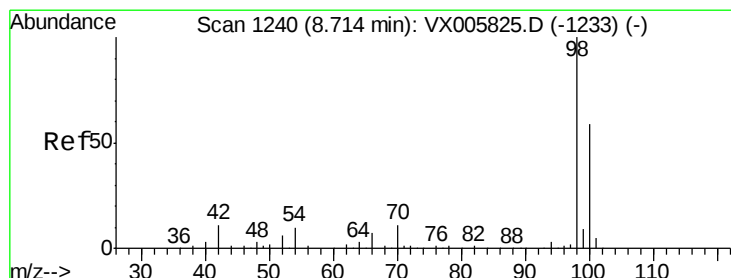
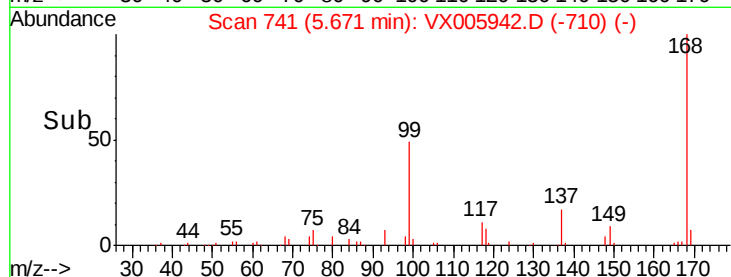
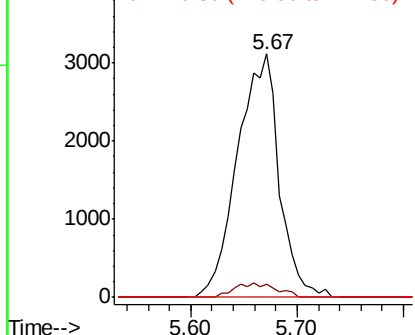
#38
Carbon Tetrachloride
Concen: 6.508 ug/l
RT: 5.67 min Scan# 741
Delta R.T. -0.11 min
Lab File: VX005942.D
Acq: 13 Nov 2018 12:07

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBL01

Tot Ion:117 Resp: 8543
Ion Ratio Lower Upper
117 100
119 5.2 78.1 117.1#
121 0.0 24.6 36.8#

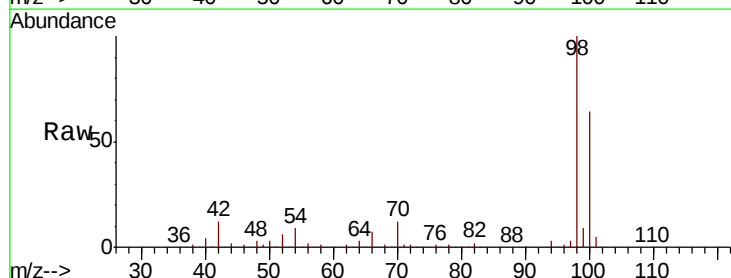


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

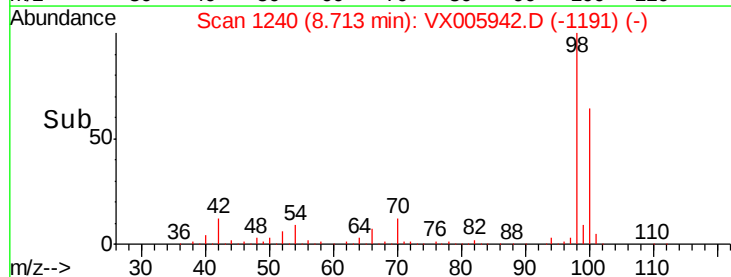
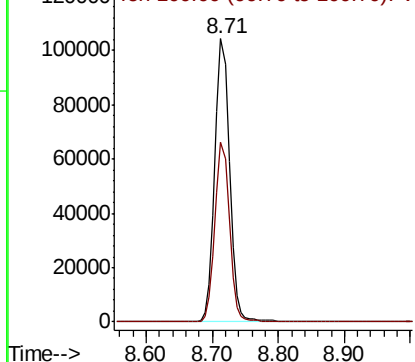


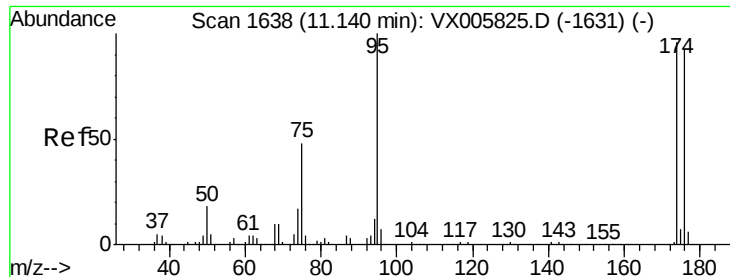
#50
Toluene-d8
Concen: 52.796 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005942.D
Acq: 13 Nov 2018 12:07

Tgt Ion: 98 Resp: 162373
Ion Ratio Lower Upper
98 100
100 62.6 51.3 76.9



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

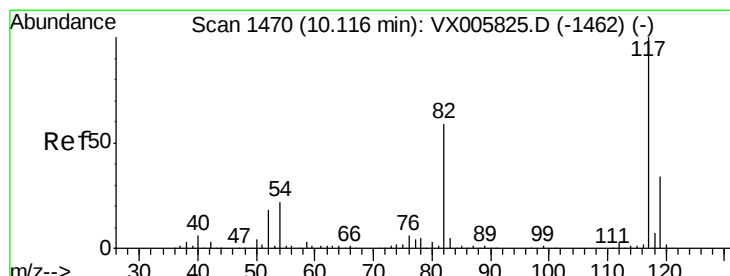
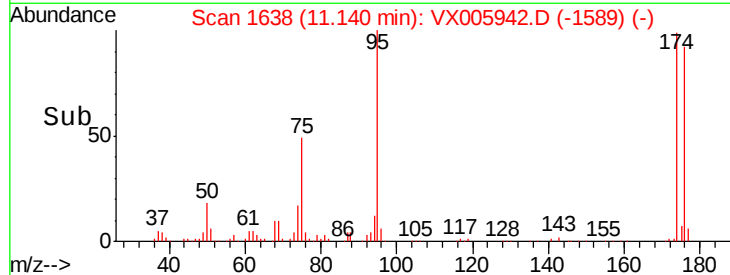
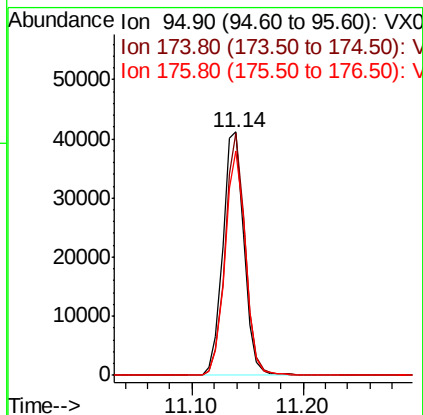
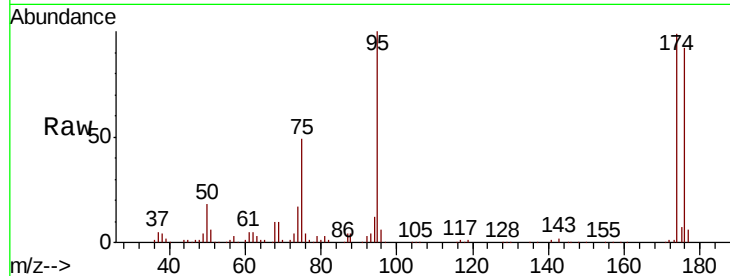




#62
 4-Bromofluorobenzene
 Concen: 48.902 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005942.D
 Acq: 13 Nov 2018 12:07

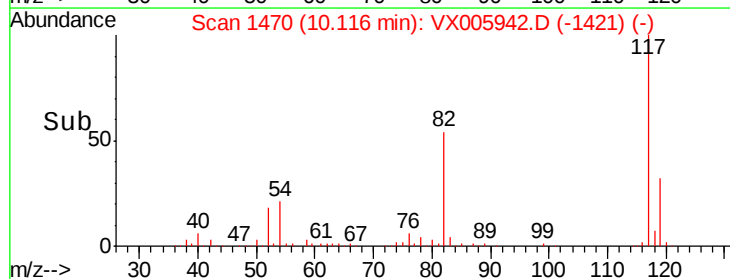
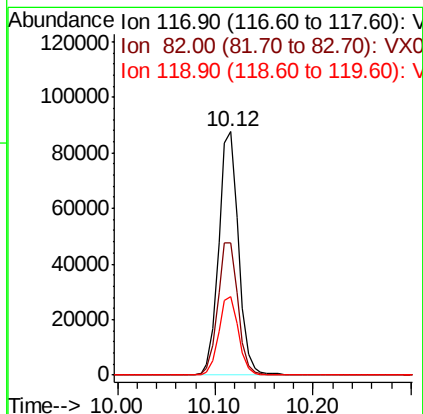
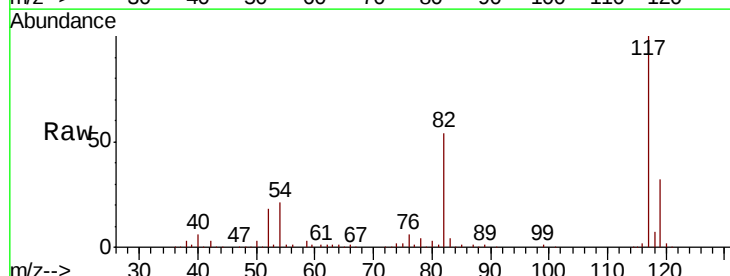
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBL01

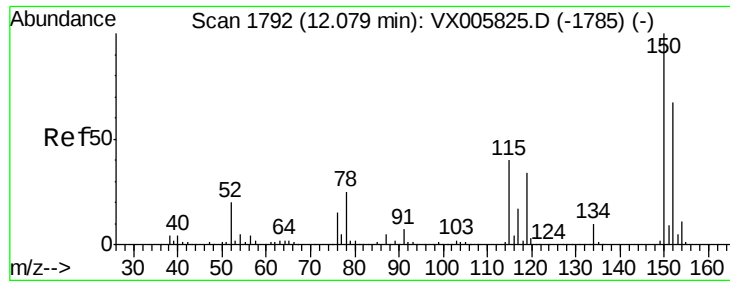
Tot Ion: 95 Resp: 54073
 Ion Ratio Lower Upper
 95 100
 174 94.3 0.0 184.4
 176 89.2 0.0 177.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.12 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VX005942.D
 Acq: 13 Nov 2018 12:07

Tgt Ion: 117 Resp: 122793
 Ion Ratio Lower Upper
 117 100
 82 54.3 44.1 66.1
 119 32.3 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005942.D

Acq: 13 Nov 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBL01

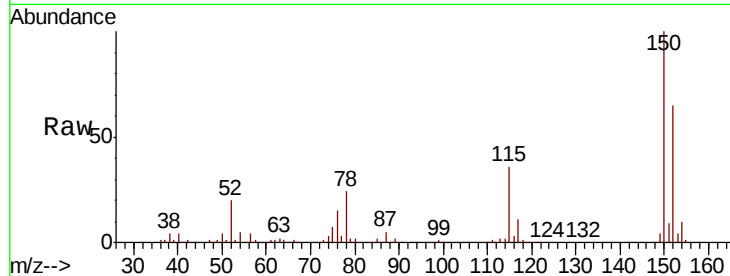
Tot Ion:152 Resp: 60004

Ion Ratio Lower Upper

152 100

115 55.9 39.4 118.1

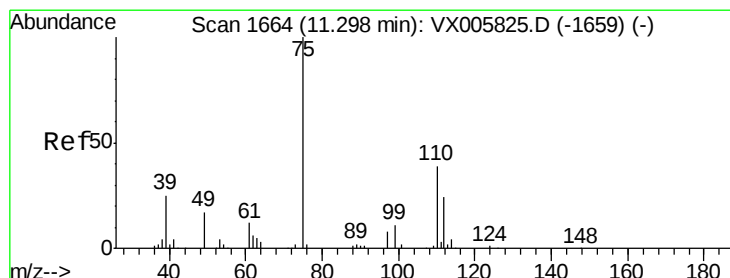
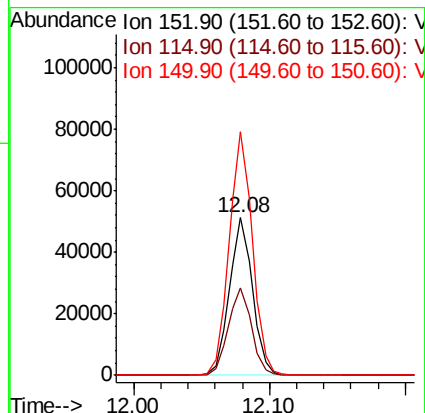
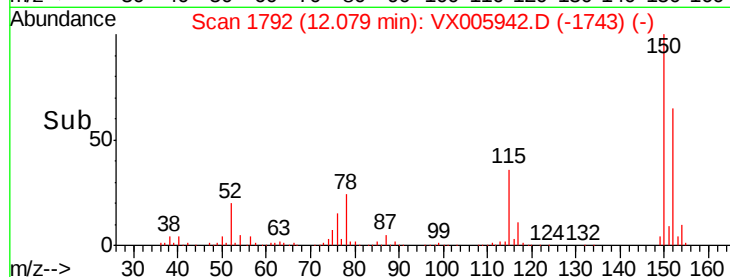
150 155.6 0.0 346.4



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



#76

1,2,3-Trichloropropane

Concen: 22.527 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX005942.D

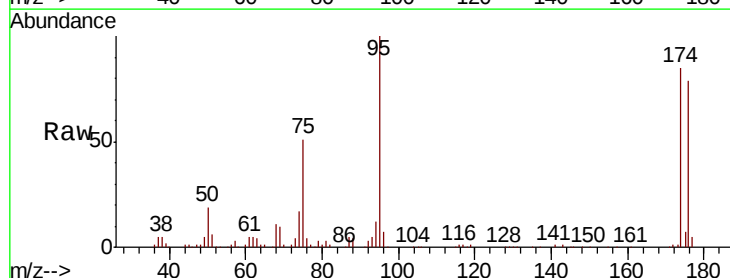
Acq: 13 Nov 2018 12:07

Tgt Ion: 75 Resp: 27524

Ion Ratio Lower Upper

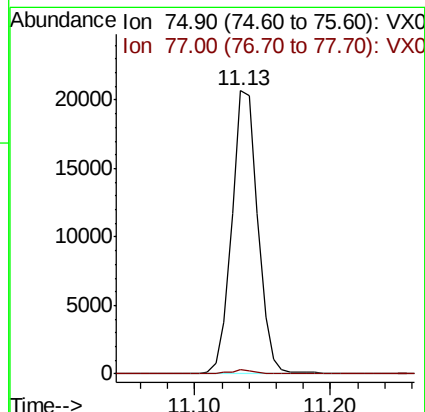
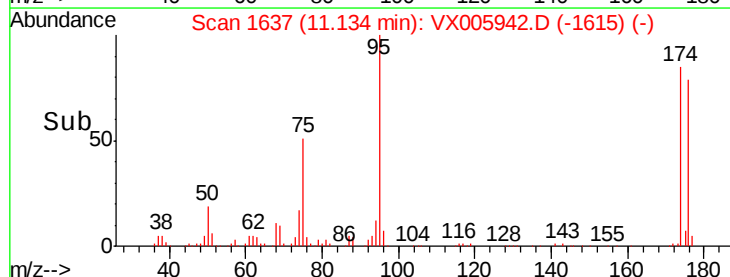
75 100

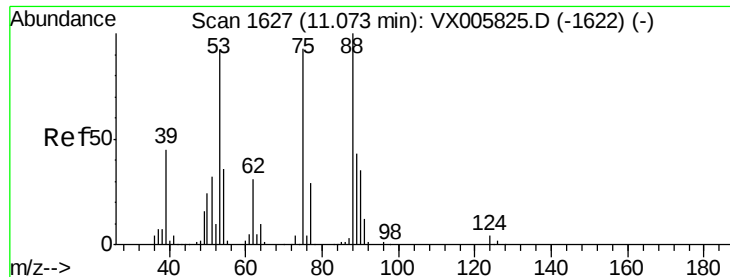
77 1.3 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 71.798 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX005942.D

Acq: 13 Nov 2018 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBL01

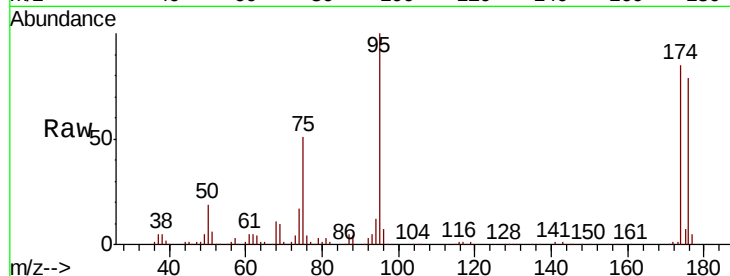
Tot Ion: 75 Resp: 27524

Ion Ratio Lower Upper

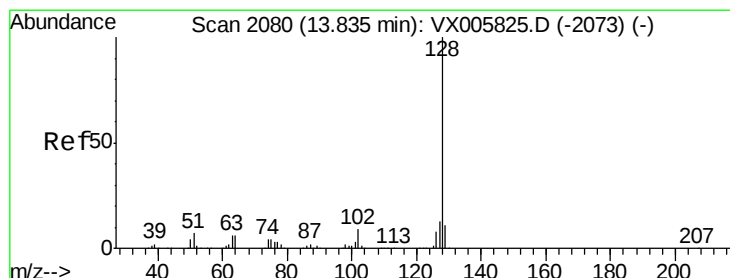
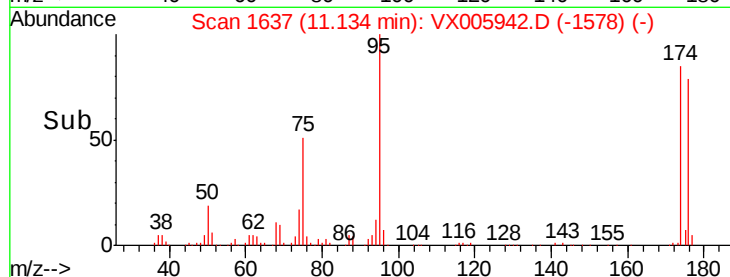
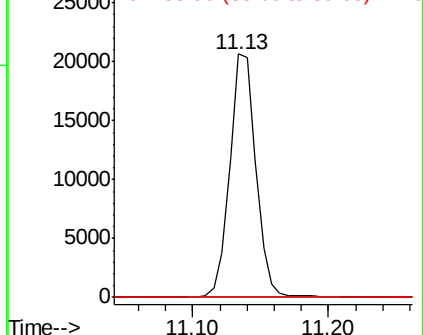
75 100

53 0.2 80.2 120.2#

89 0.0 39.8 59.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#95

Naphthalene

Concen: 1.318 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005942.D

Acq: 13 Nov 2018 12:07

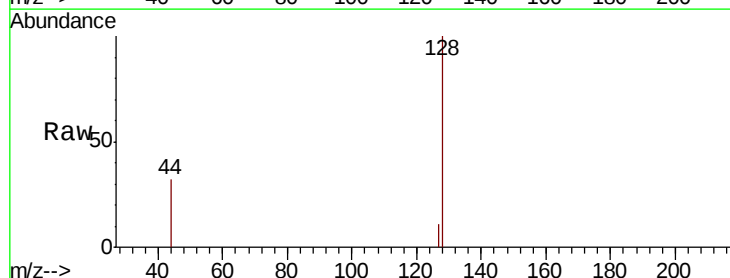
Tgt Ion: 128 Resp: 622

Ion Ratio Lower Upper

128 100

127 6.1 10.4 15.6#

129 0.0 8.7 13.1#



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

