

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111618\
 Data File : VX006039.D
 Acq On : 16 Nov 2018 10:27
 Operator : JC/MD
 Sample : VX1116WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1116WBL01

Quant Time: Nov 17 00:40:15 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	5.67	168	146283	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	213997	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	202647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111673	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	84314	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
35) Dibromofluoromethane	5.51	113	66451	45.66	ug/l	0.00
Spiked Amount			Recovery	=	91.32%	
50) Toluene-d8	8.71	98	224926	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	
62) 4-Bromofluorobenzene	11.14	95	94624	54.39	ug/l	0.00
Spiked Amount			Recovery	=	108.78%	

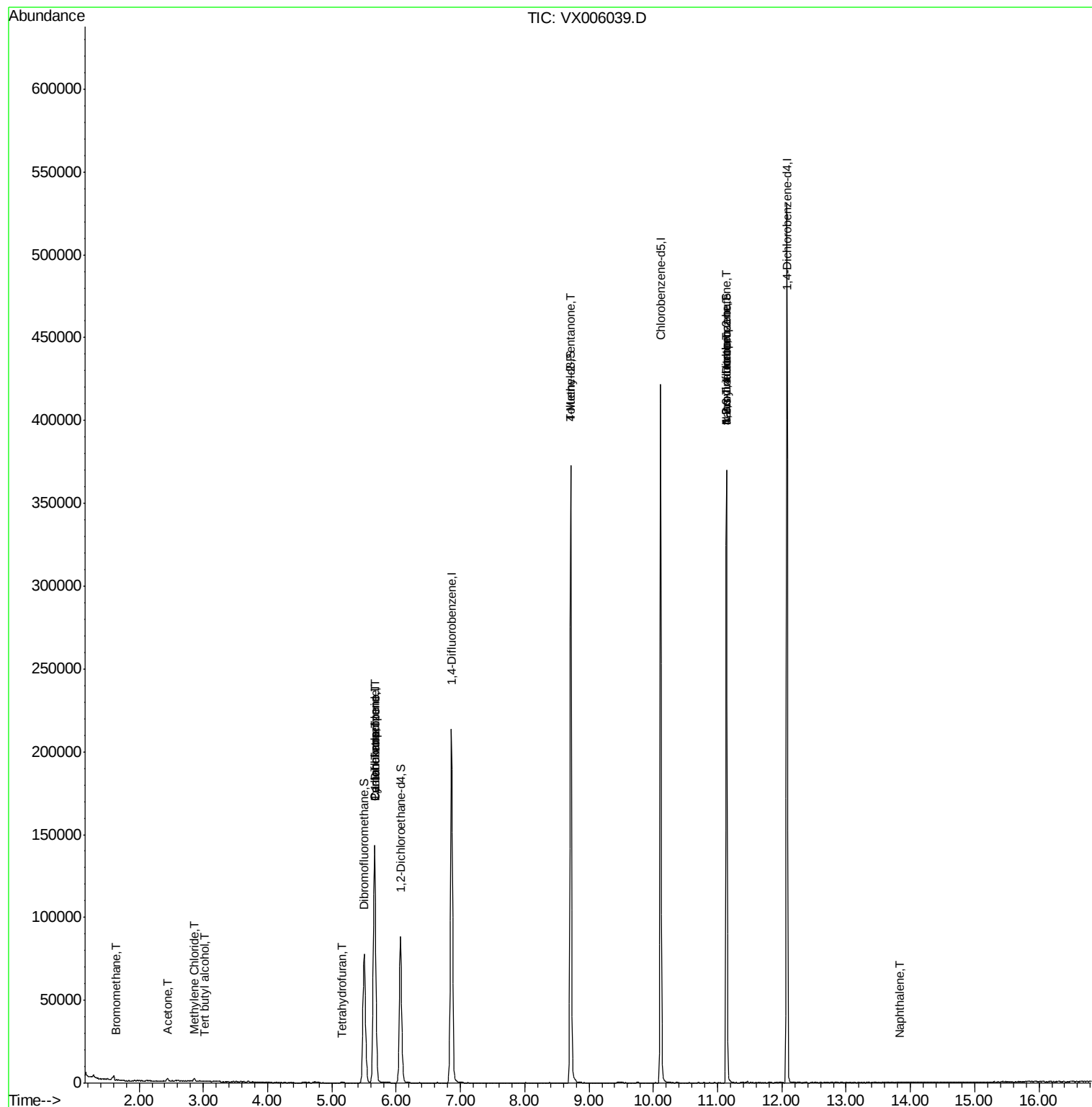
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	233	0.219	ug/l	95
11) Tert butyl alcohol	3.02	59	146	0.303	ug/l #	72
16) Acetone	2.45	43	1753	1.936	ug/l	99
18) Methyl Acetate	2.77	43	144	Below Cal	#	55
20) Methylene Chloride	2.86	84	508	0.342	ug/l	91
29) Tetrahydrofuran	5.15	42	453	0.496	ug/l #	58
31) Cyclohexane	5.67	56	2372	1.012	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	9608	4.657	ug/l #	49
38) Carbon Tetrachloride	5.67	117	12185	5.900	ug/l #	16
51) 4-Methyl-2-Pentanone	8.72	43	1087	0.439	ug/l #	1
74) N-amyl acetate	11.14	43	46	1.263	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	44845	19.722	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	44845	62.856	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	170	Below Cal		72
95) Naphthalene	13.84	128	238	1.206	ug/l #	69

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

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Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006039.D

Acq: 16 Nov 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

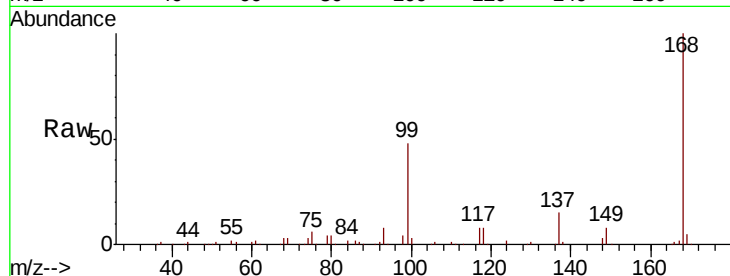
VX1116WBL01

Tot Ion:168 Resp: 146283

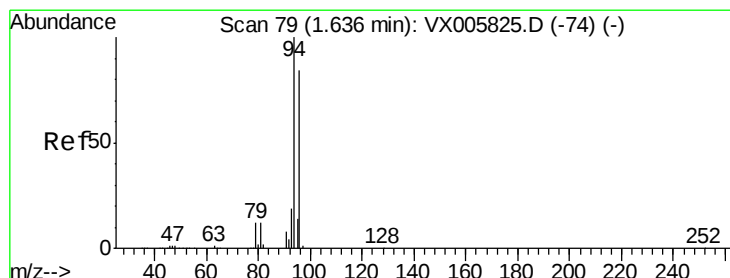
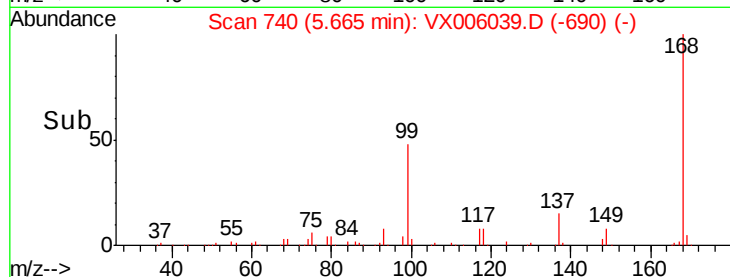
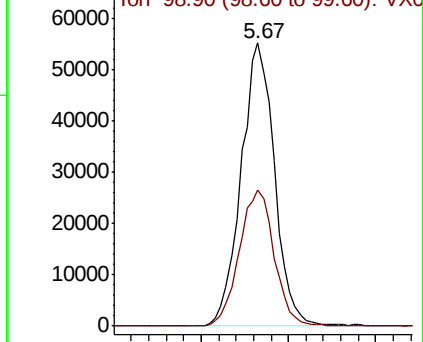
Ion Ratio Lower Upper

168 100

99 48.0 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): VX005825.D (-727) (-)



#5

Bromomethane

Concen: 0.219 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006039.D

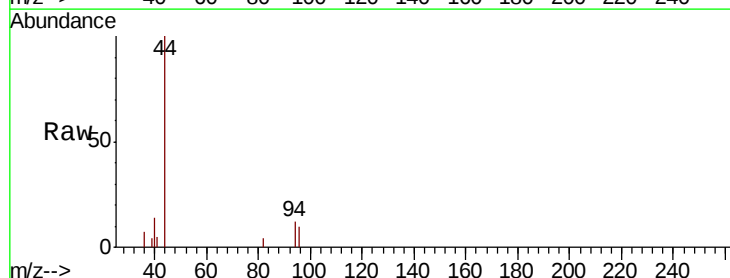
Acq: 16 Nov 2018 10:27

Tgt Ion: 94 Resp: 233

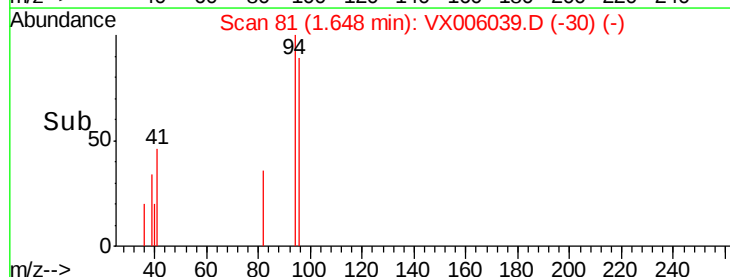
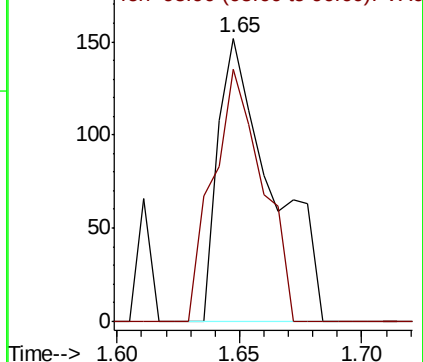
Ion Ratio Lower Upper

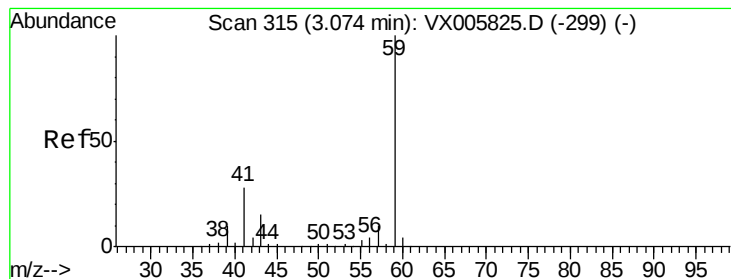
94 100

96 88.8 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX005825.D (-74) (-)



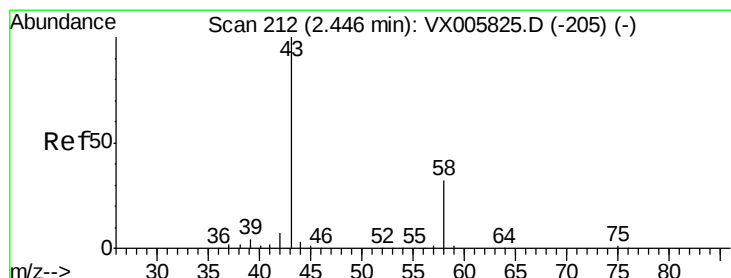
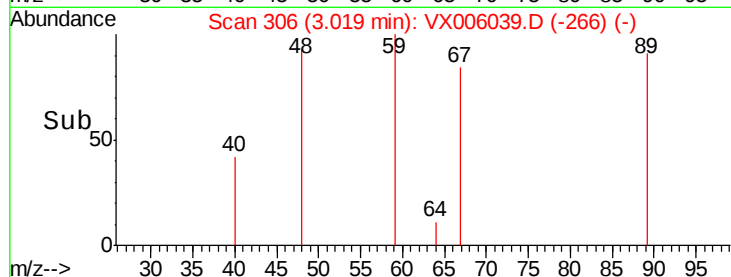
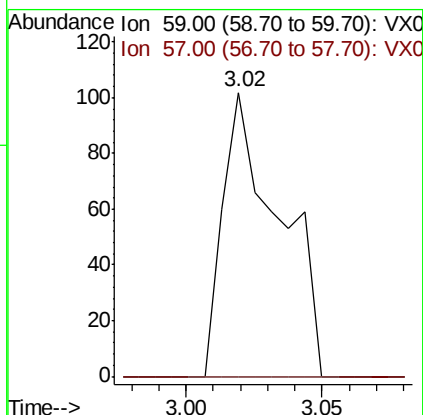
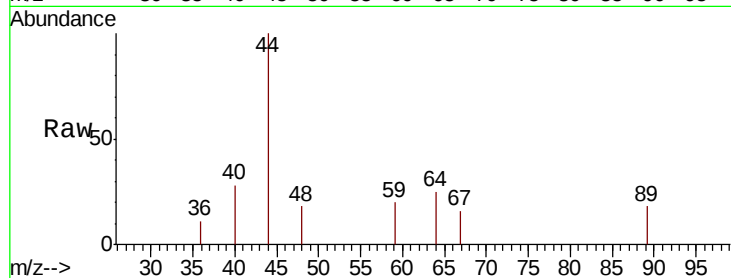


#11

Tert butyl alcohol
 Concen: 0.303 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX006039.D
 Acq: 16 Nov 2018 10:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1116WBL01

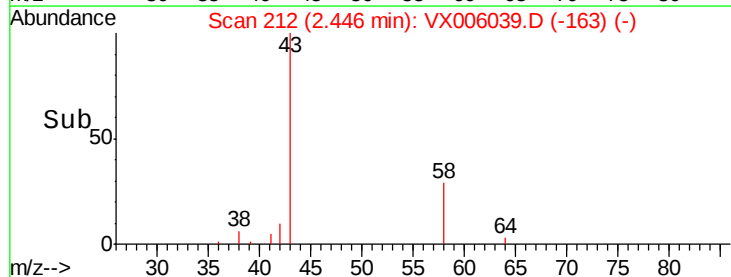
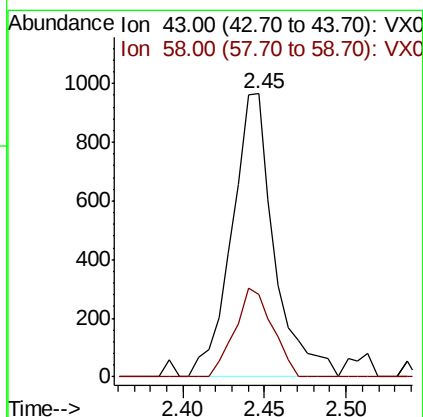
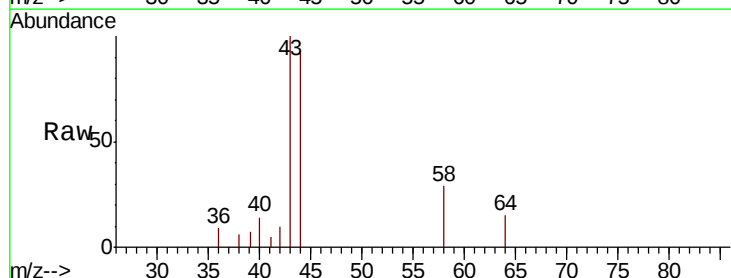
Tot Ion: 59 Resp: 146
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

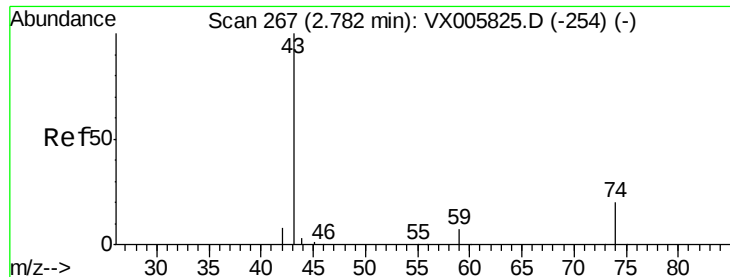


#16

Acetone
 Concen: 1.936 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX006039.D
 Acq: 16 Nov 2018 10:27

Tgt Ion: 43 Resp: 1753
 Ion Ratio Lower Upper
 43 100
 58 28.9 23.8 35.6

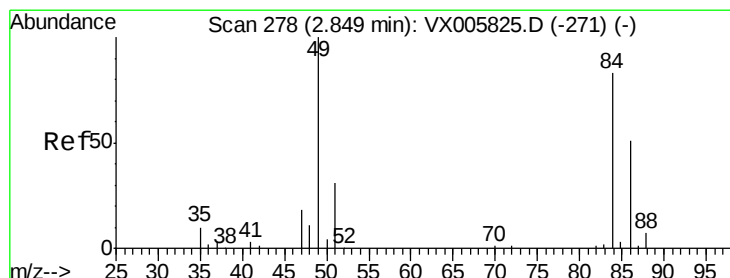
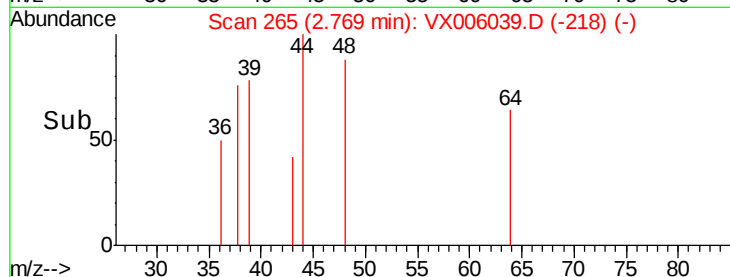
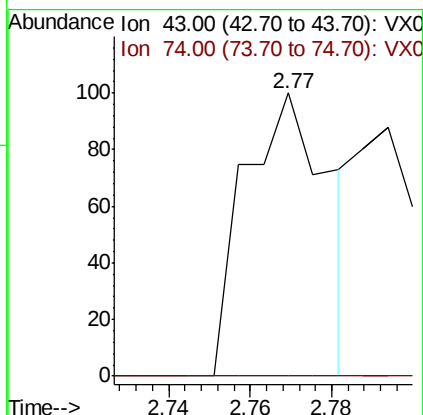
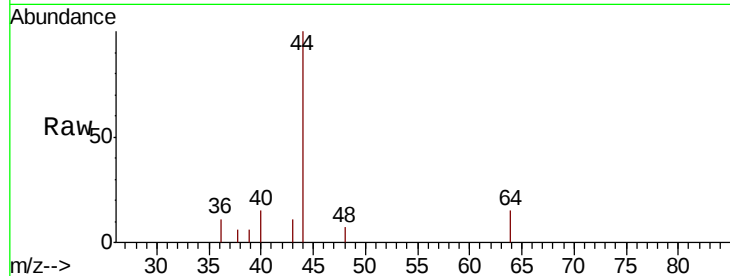




#18
Methyl Acetate
Concen: Below Cal
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX006039.D
Acq: 16 Nov 2018 10:27

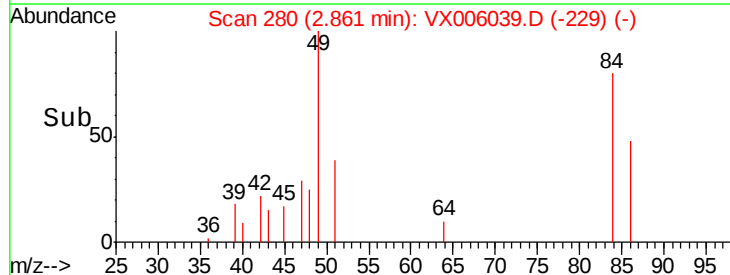
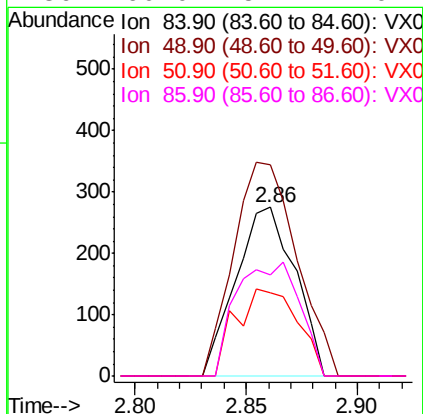
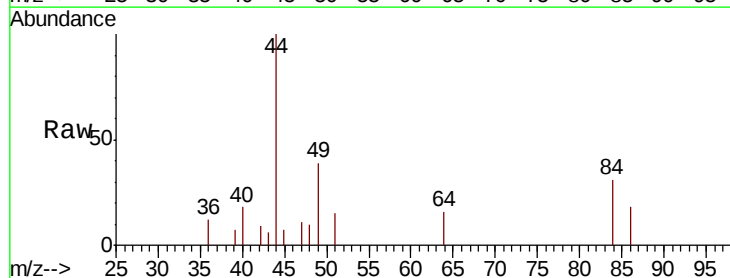
Instrument :
MSVOA_X
ClientSampleId :
VX1116WBL01

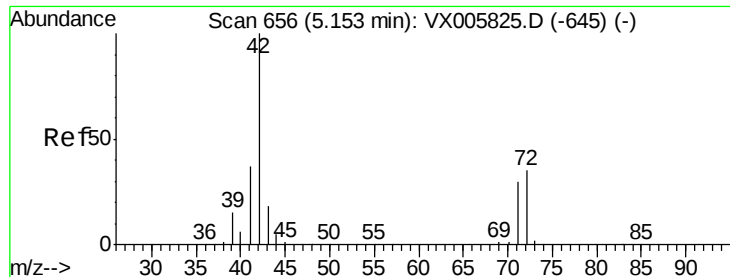
Tot Ion: 43 Resp: 144
Ion Ratio Lower Upper
43 100
74 0.0 16.8 25.2#



#20
Methylene Chloride
Concen: 0.342 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX006039.D
Acq: 16 Nov 2018 10:27

Tgt Ion: 84 Resp: 508
Ion Ratio Lower Upper
84 100
49 125.5 109.5 164.3
51 49.1 33.3 49.9
86 60.0 52.7 79.1





#29

Tetrahydrofuran

Concen: 0.496 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX006039.D

Acq: 16 Nov 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX1116WBL01

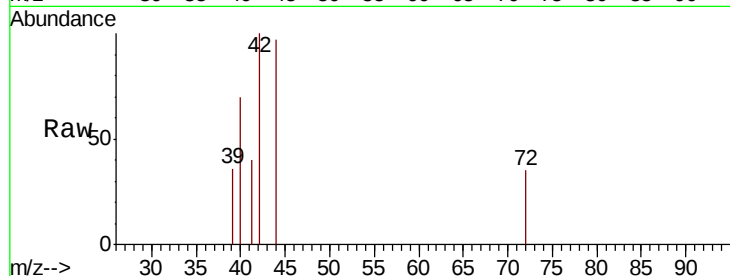
Tot Ion: 42 Resp: 453

Ion Ratio Lower Upper

42 100

72 21.0 32.0 48.0#

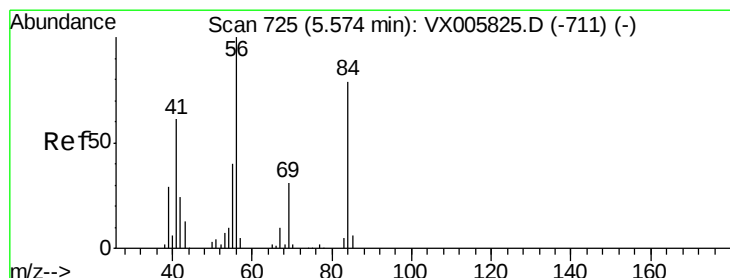
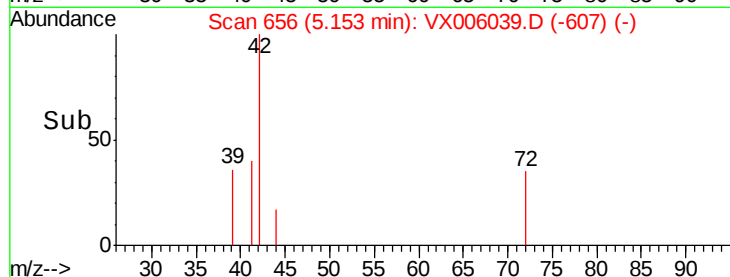
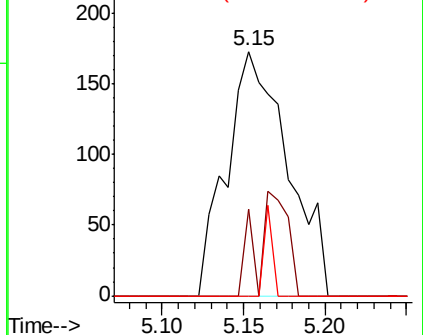
71 5.1 29.8 44.8#



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



#31

Cyclohexane

Concen: 1.012 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.10 min

Lab File: VX006039.D

Acq: 16 Nov 2018 10:27

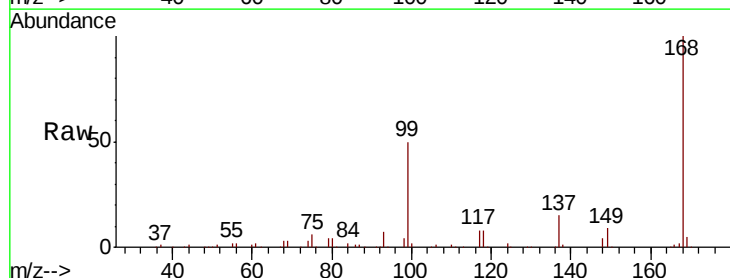
Tgt Ion: 56 Resp: 2372

Ion Ratio Lower Upper

56 100

69 186.9 22.6 34.0#

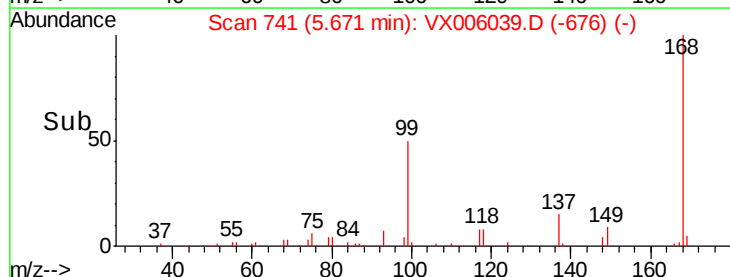
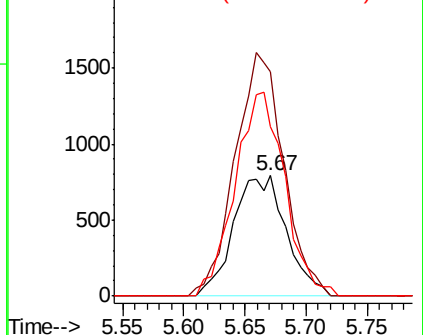
84 140.7 62.7 94.1#

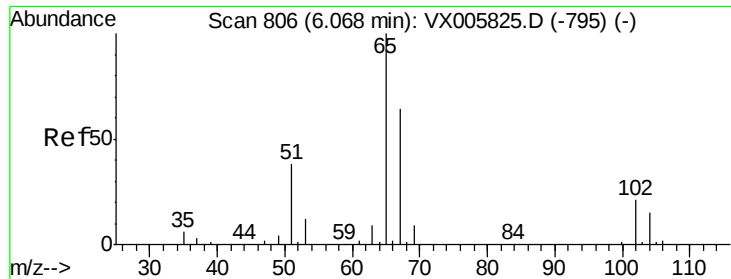


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

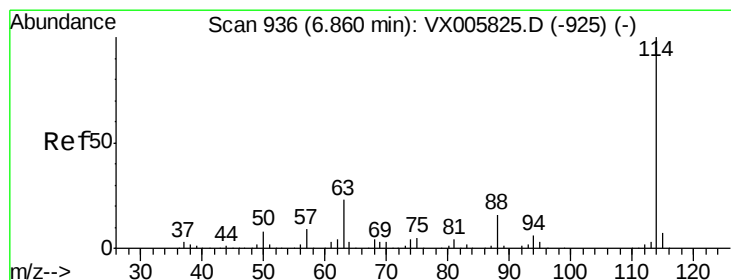
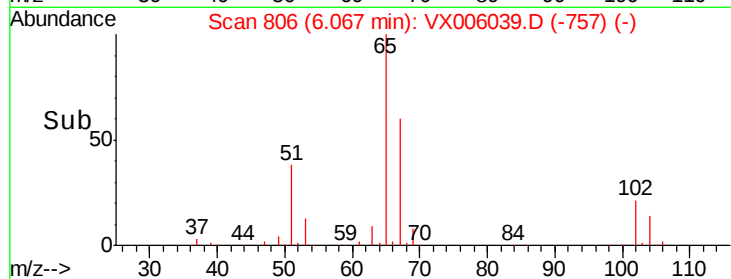
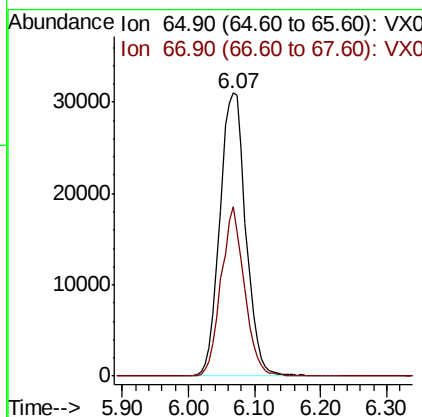
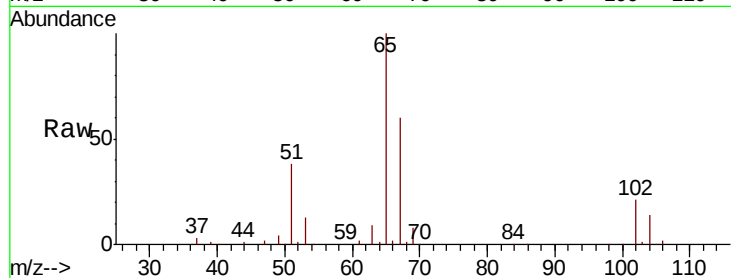




#33
 1,2-Dichloroethane-d4
 Concen: 50.136 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX006039.D
 Acq: 16 Nov 2018 10:27

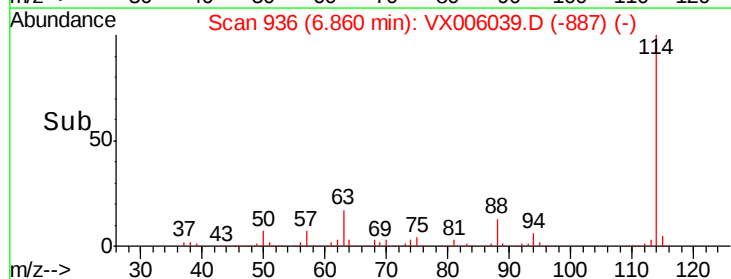
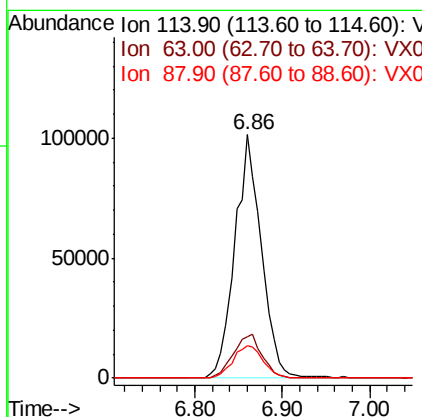
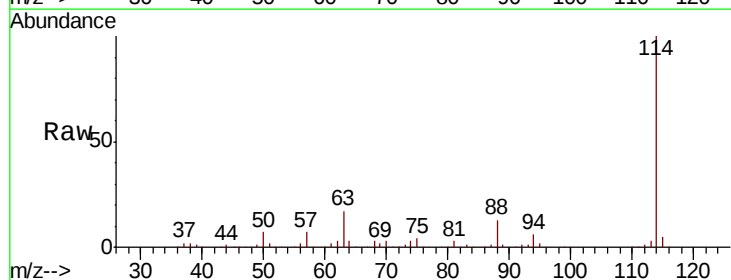
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1116WBL01

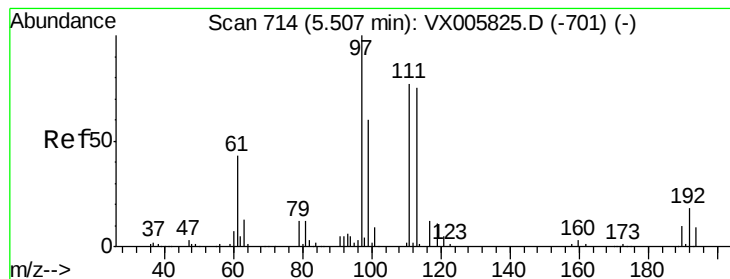
Tot Ion: 65 Resp: 84314
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006039.D
 Acq: 16 Nov 2018 10:27

Tgt Ion: 114 Resp: 213997
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 42.8
 88 13.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 45.655 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX006039.D

Acq: 16 Nov 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX1116WBL01

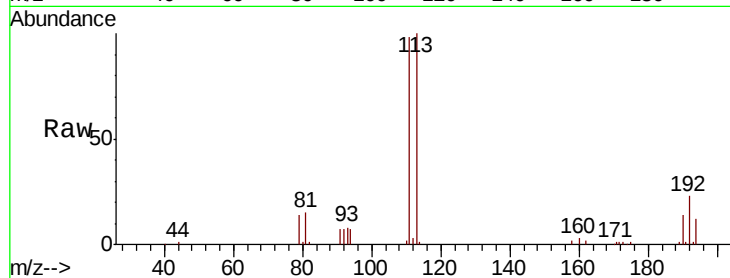
Tot Ion:113 Resp: 66451

Ion Ratio Lower Upper

113 100

111 102.4 82.3 123.5

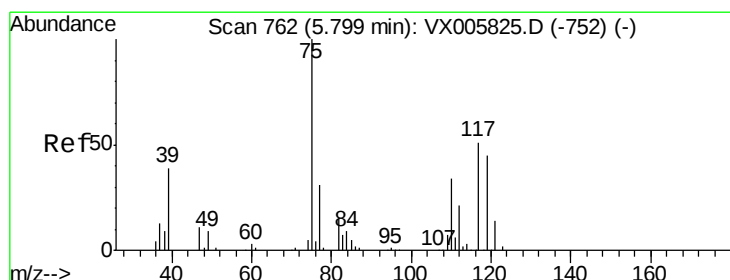
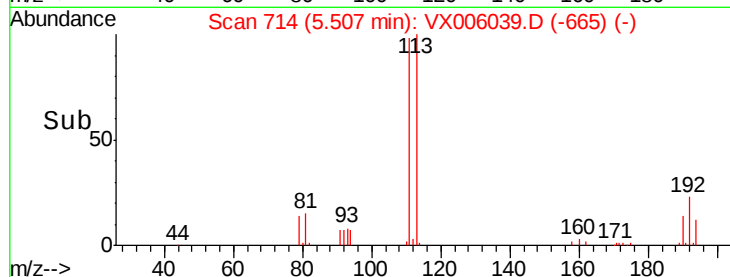
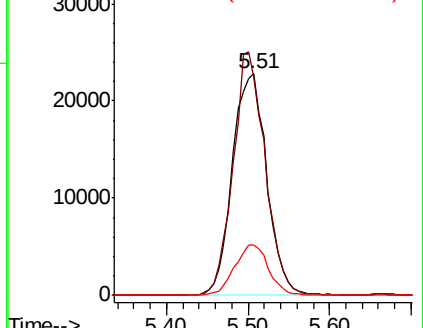
192 22.4 17.9 26.9



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: 4.657 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006039.D

Acq: 16 Nov 2018 10:27

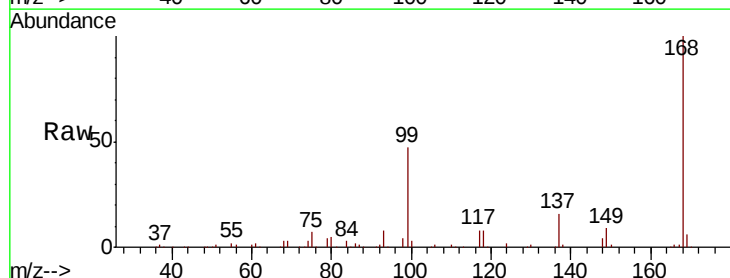
Tgt Ion: 75 Resp: 9608

Ion Ratio Lower Upper

75 100

110 9.1 17.4 52.2#

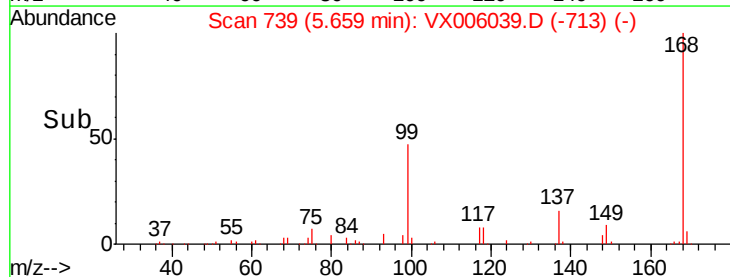
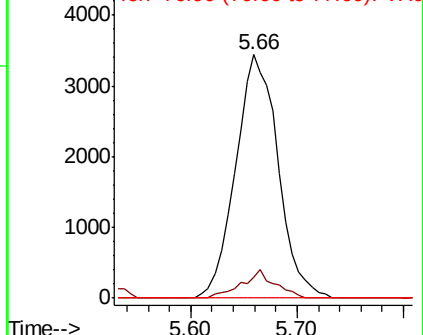
77 0.0 25.8 38.6#

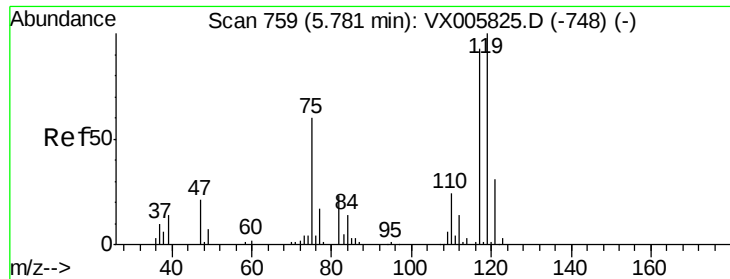


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

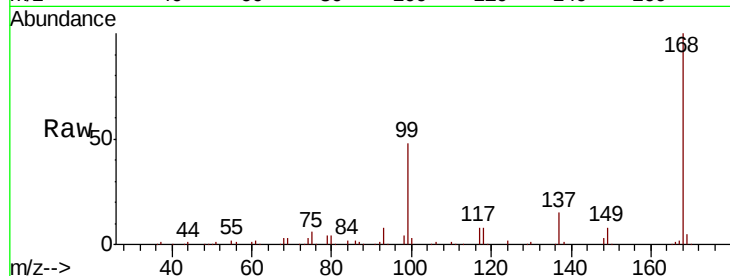




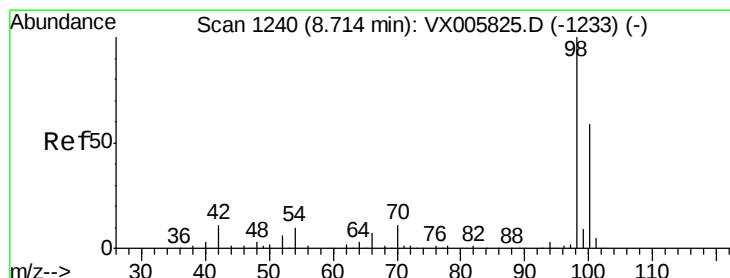
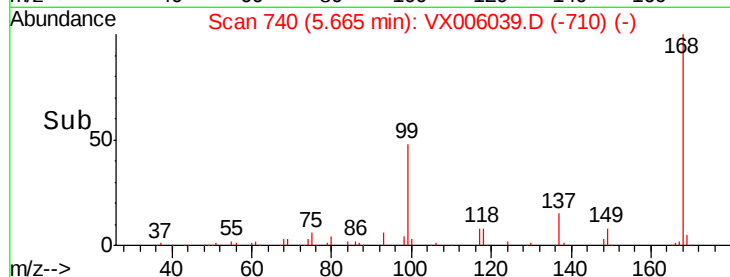
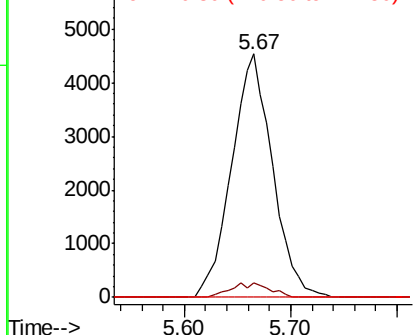
#38
Carbon Tetrachloride
Concen: 5.900 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX006039.D
Acq: 16 Nov 2018 10:27

Instrument :
MSVOA_X
ClientSampleId :
VX1116WBL01

Tot Ion:117 Resp: 12185
Ion Ratio Lower Upper
117 100
119 5.7 78.1 117.1#
121 0.0 24.6 36.8#

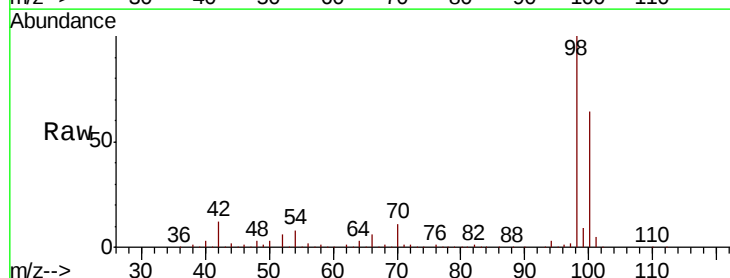


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

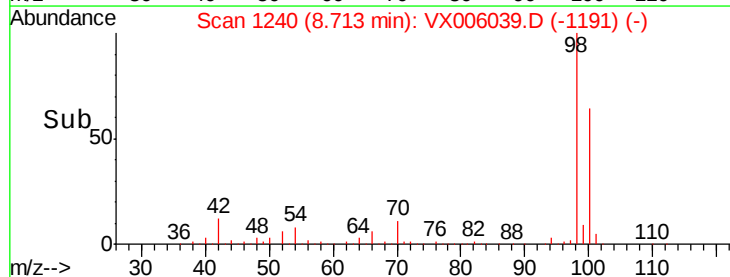
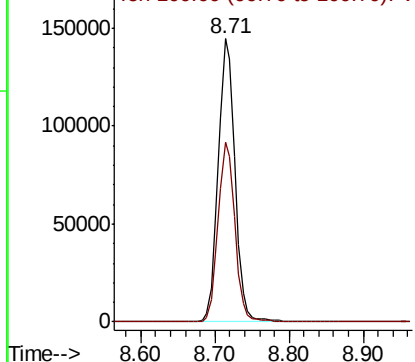


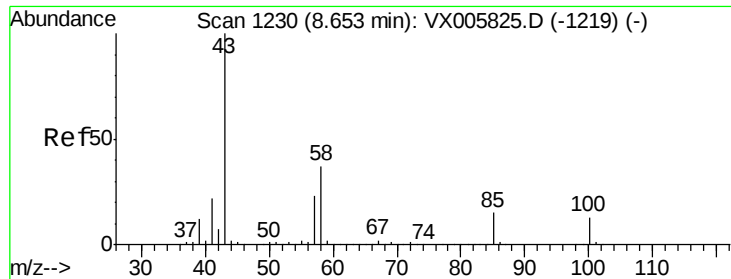
#50
Toluene-d8
Concen: 46.483 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006039.D
Acq: 16 Nov 2018 10:27

Tgt Ion: 98 Resp: 224926
Ion Ratio Lower Upper
98 100
100 63.8 51.3 76.9



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





#51

4-Methyl-2-Pentanone

Concen: 0.439 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.07 min

Lab File: VX006039.D

Acq: 16 Nov 2018 10:27

Instrument :

MSVOA_X

ClientSampled :

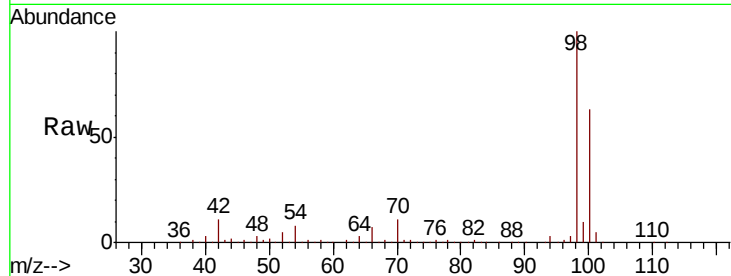
VX1116WBL01

Tot Ion: 43 Resp: 1087

Ion Ratio Lower Upper

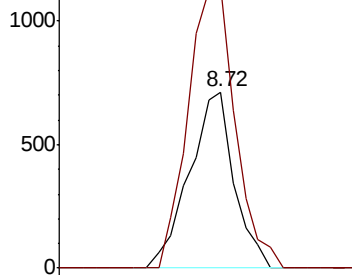
43 100

58 168.9 29.7 44.5#

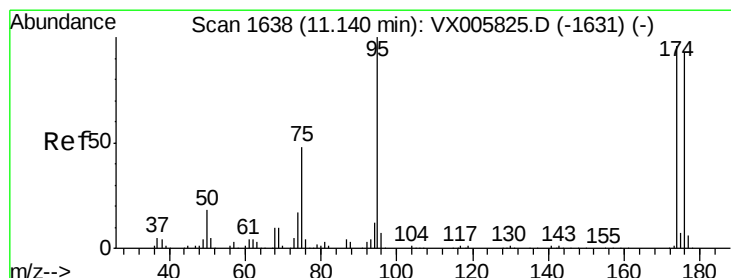
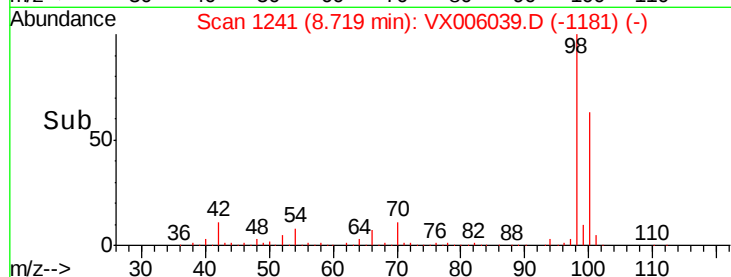


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#62

4-Bromofluorobenzene

Concen: 54.389 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006039.D

Acq: 16 Nov 2018 10:27

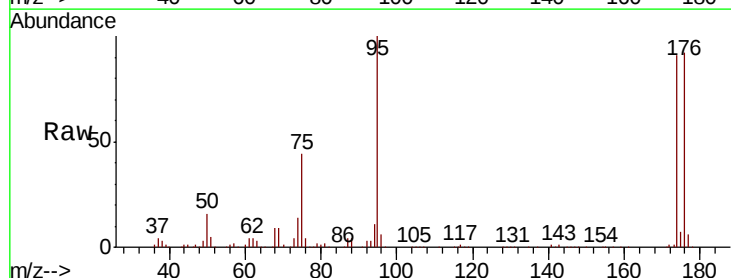
Tgt Ion: 95 Resp: 94624

Ion Ratio Lower Upper

95 100

174 90.9 0.0 184.4

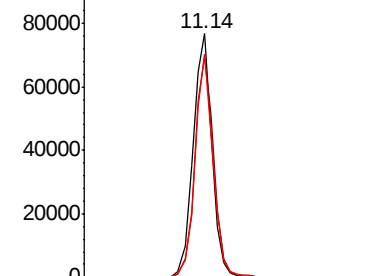
176 87.2 0.0 177.4



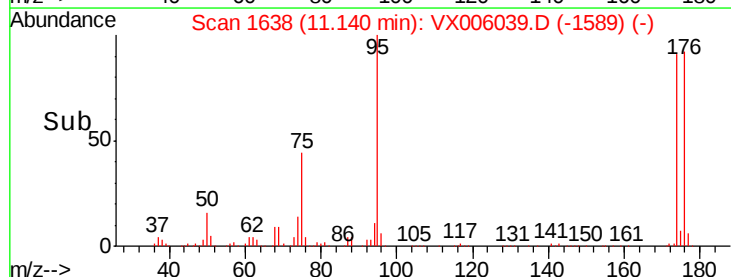
Abundance Ion 94.90 (94.60 to 95.60): VX0

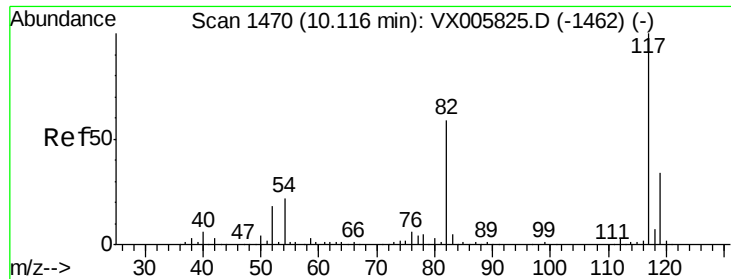
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

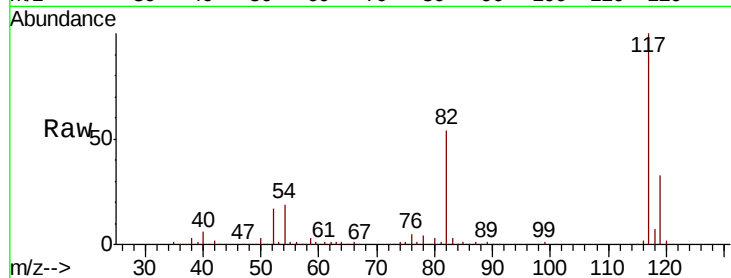




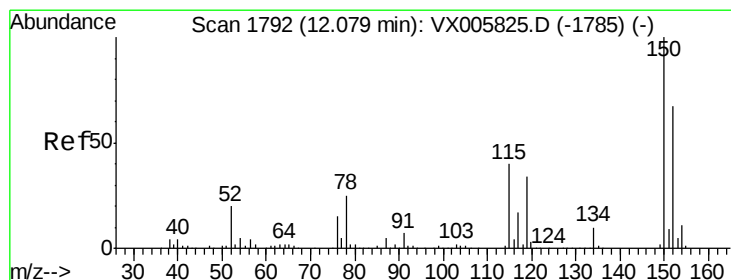
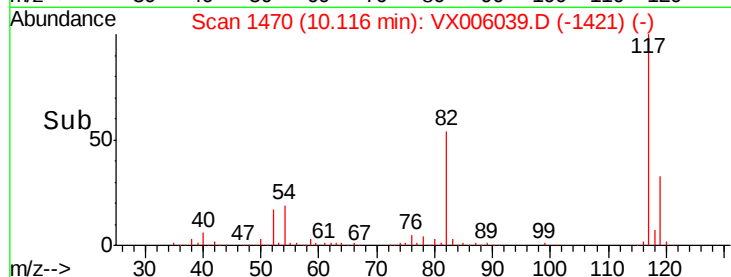
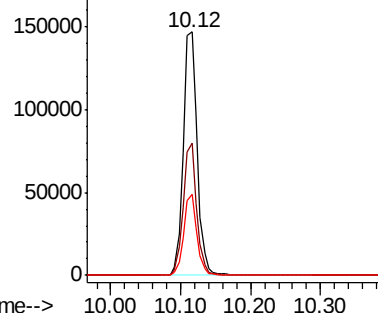
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006039.D
Acq: 16 Nov 2018 10:27

Instrument :
MSVOA_X
ClientSampleId :
VX1116WBL01

Tot Ion:117 Resp: 202647
Ion Ratio Lower Upper
117 100
82 54.1 44.1 66.1
119 33.2 26.2 39.2

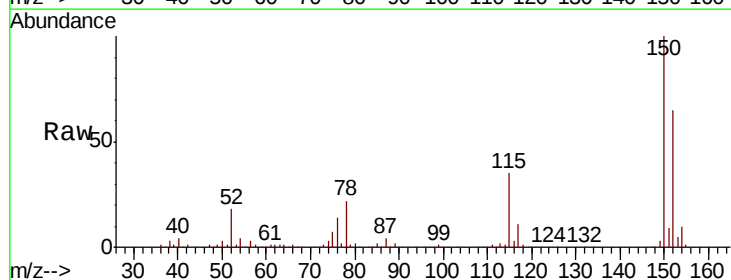


Abundance Ion 116.90 (116.60 to 117.60): V
200000 Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

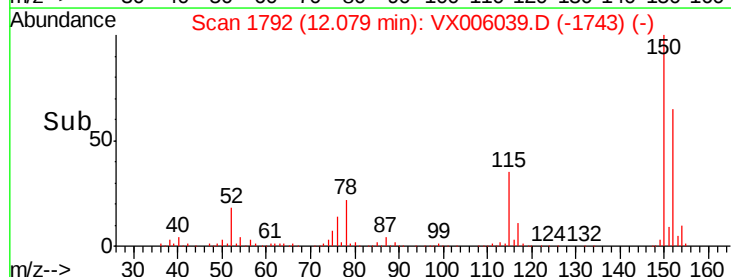
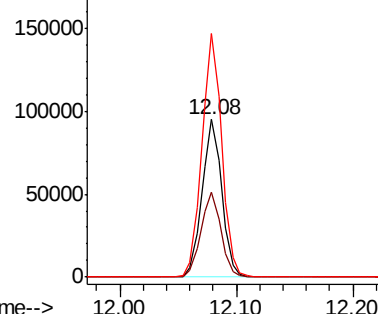


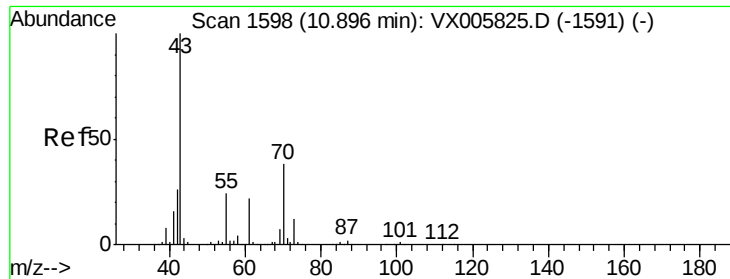
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006039.D
Acq: 16 Nov 2018 10:27

Tgt Ion:152 Resp: 111673
Ion Ratio Lower Upper
152 100
115 54.6 39.4 118.1
150 155.2 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
200000 Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.263 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.24 min

Lab File: VX006039.D

Acq: 16 Nov 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX1116WBL01

Tot Ion: 43 Resp: 46

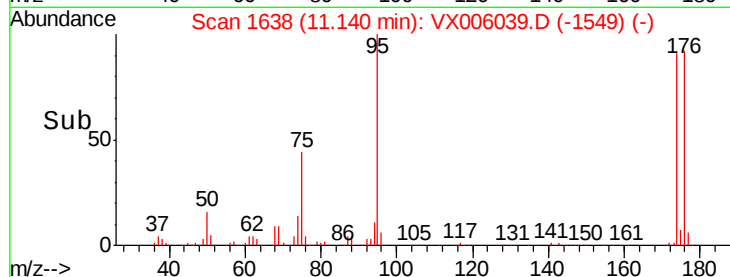
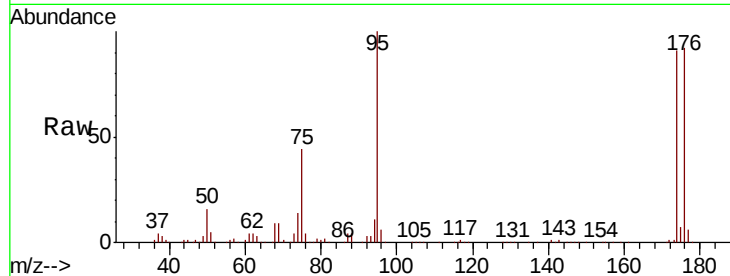
Ion Ratio Lower Upper

43 100

70 1497.8 31.6 47.4#

55 471.7 19.7 29.5#

61 8871.7 18.3 27.5#

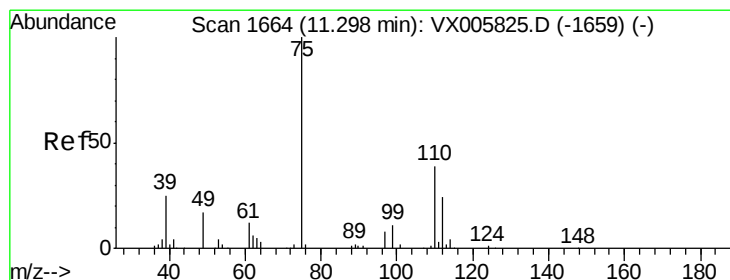
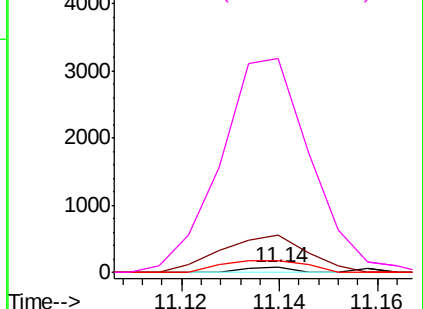


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 19.722 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006039.D

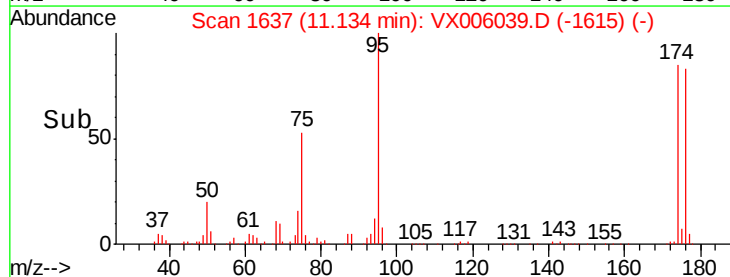
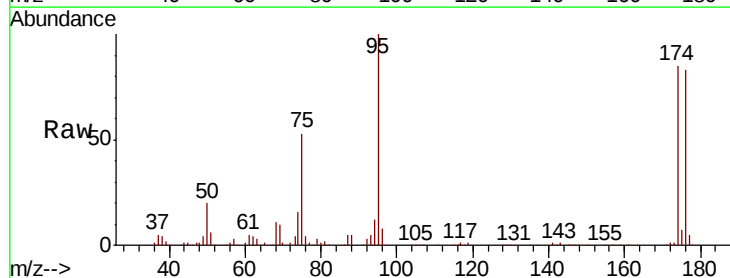
Acq: 16 Nov 2018 10:27

Tgt Ion: 75 Resp: 44845

Ion Ratio Lower Upper

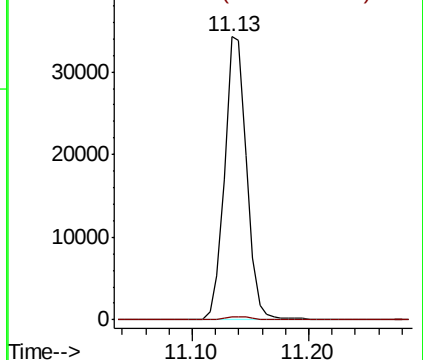
75 100

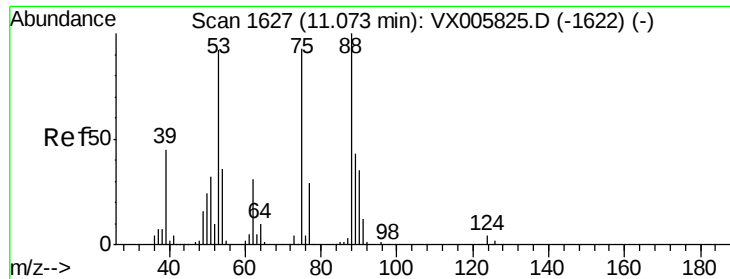
77 1.3 20.5 61.6#



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: 62.856 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006039.D

Acq: 16 Nov 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX1116WBL01

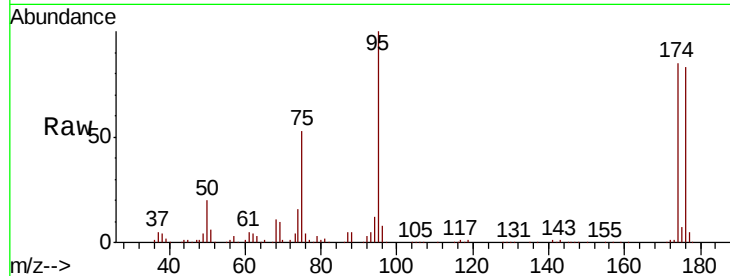
Tot Ion: 75 Resp: 44845

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

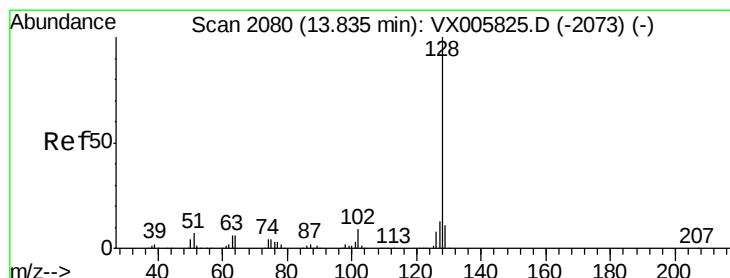
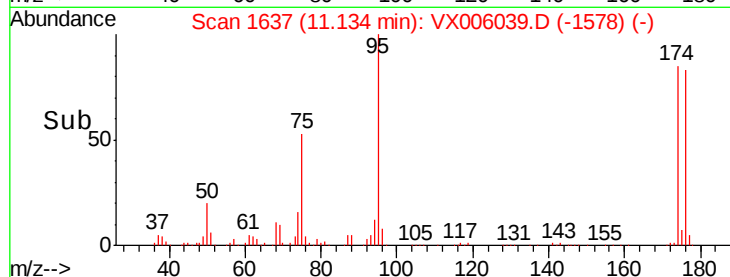
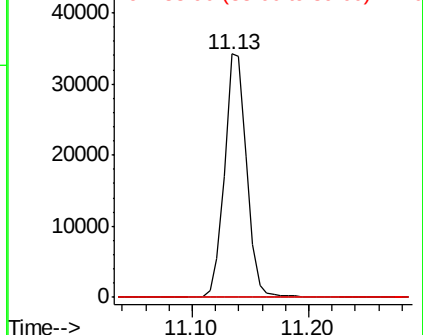
89 0.0 39.8 59.8#



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: 1.206 ug/l

RT: 13.84 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX006039.D

Acq: 16 Nov 2018 10:27

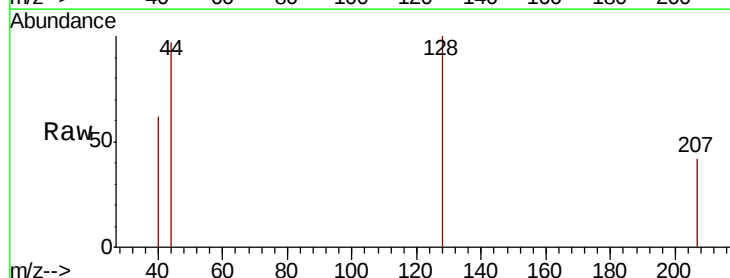
Tgt Ion: 128 Resp: 238

Ion Ratio Lower Upper

128 100

127 0.0 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

