

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\
 Data File : VX012911.D
 Acq On : 09 Oct 2019 00:49
 Operator : JC/SP
 Sample : K5190-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW10I-20191002

Quant Time: Oct 09 03:46:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	179323	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	306411	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	262500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100549	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	118811	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	
35) Dibromofluoromethane	5.49	113	91528	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	
50) Toluene-d8	8.71	98	359799	52.46	ug/l	0.00
Spiked Amount			Recovery	=	104.92%	
62) 4-Bromofluorobenzene	11.13	95	122011	45.78	ug/l	0.00
Spiked Amount			Recovery	=	91.56%	

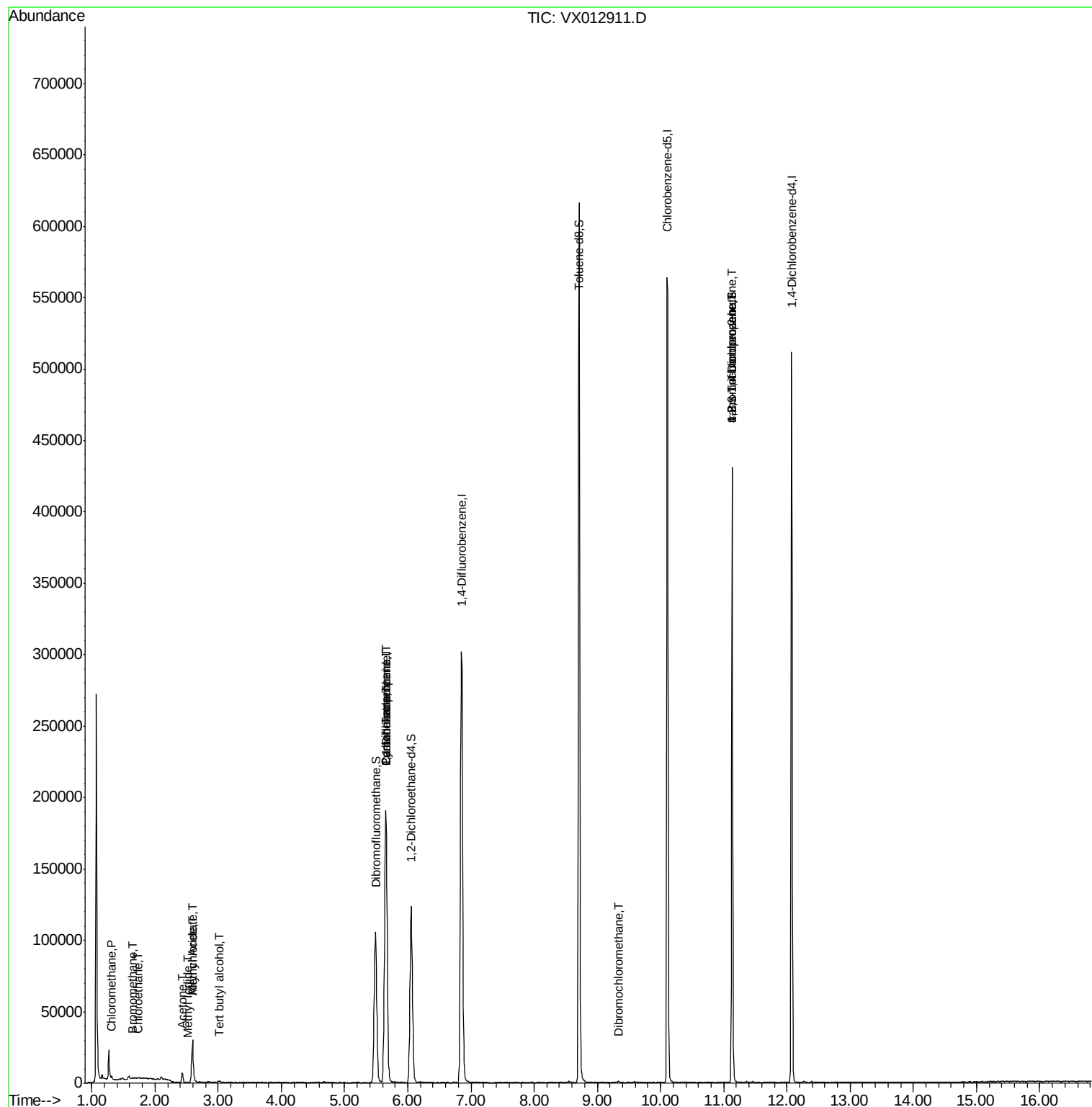
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	986	0.496	ug/l	89
5) Bromomethane	1.65	94	351	0.411	ug/l #	70
6) Chloroethane	1.73	64	206	0.531	ug/l #	43
10) Methyl Iodide	2.52	142	173	5.158	ug/l #	40
11) Tert butyl alcohol	3.01	59	1482	2.494	ug/l #	72
14) Allyl chloride	2.59	41	3261	1.010	ug/l #	64
16) Acetone	2.44	43	6690	5.663	ug/l	91
18) Methyl Acetate	2.59	43	8193	2.926	ug/l #	51
31) Cyclohexane	5.65	56	3904	1.200	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14925	5.540	ug/l #	51
38) Carbon Tetrachloride	5.65	117	19396	7.397	ug/l #	20
60) Dibromochloromethane	9.33	129	177	1.933	ug/l #	10
76) 1,2,3-Trichloropropane	11.13	75	62275	27.924	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	62275	70.025	ug/l #	10

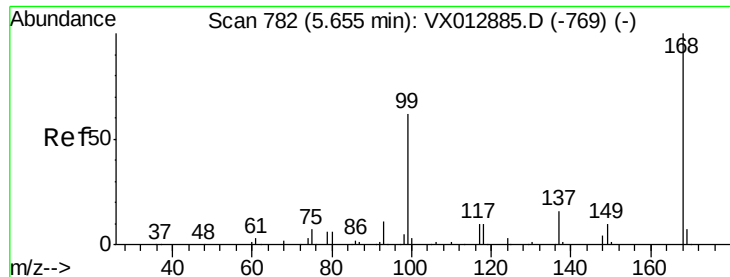
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX012911.D

Acq: 09 Oct 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

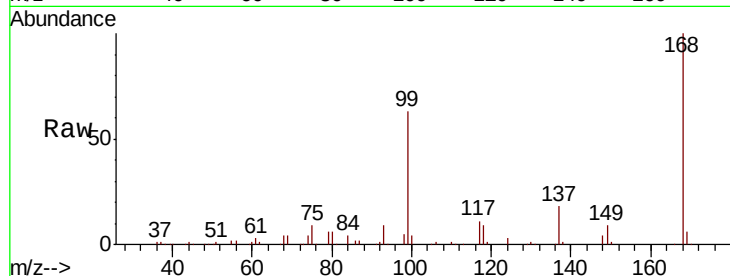
FC-MW10I-20191002

Tot Ion:168 Resp: 179323

Ion Ratio Lower Upper

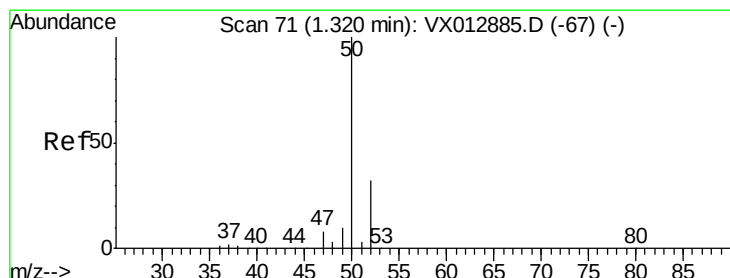
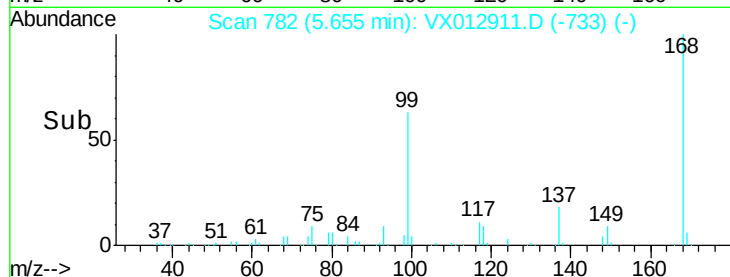
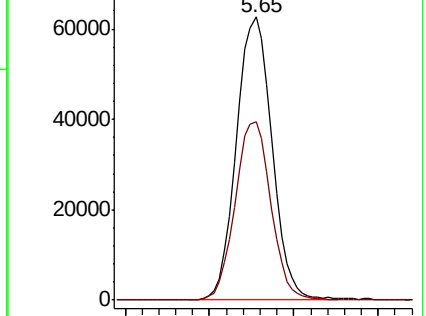
168 100

99 63.1 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.496 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX012911.D

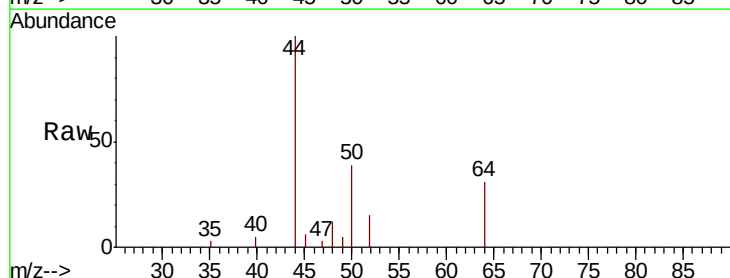
Acq: 09 Oct 2019 00:49

Tgt Ion: 50 Resp: 986

Ion Ratio Lower Upper

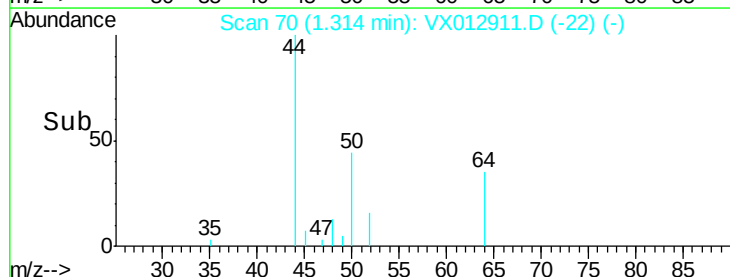
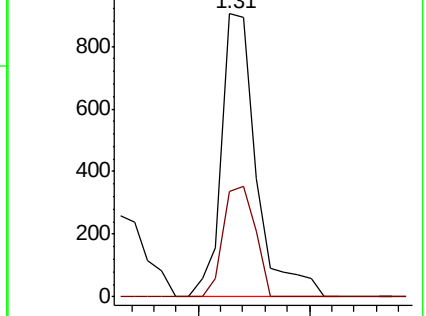
50 100

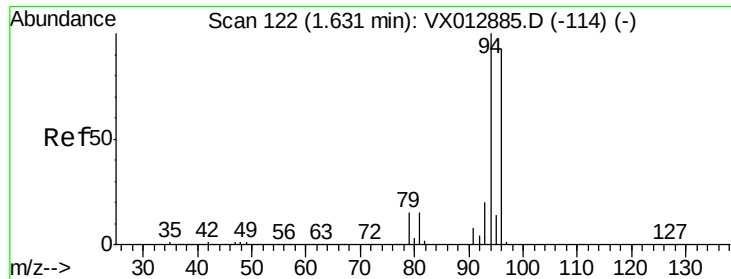
52 37.4 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.411 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012911.D

Acq: 09 Oct 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

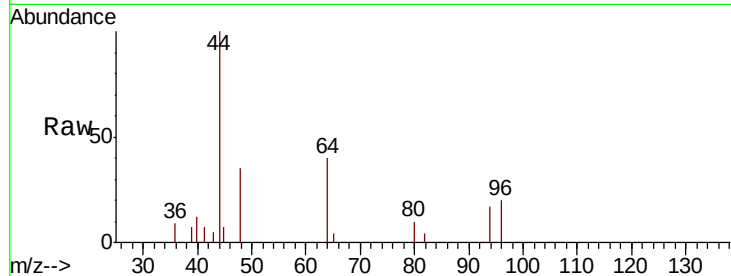
FC-MW10I-20191002

Tot Ion: 94 Resp: 351

Ion Ratio Lower Upper

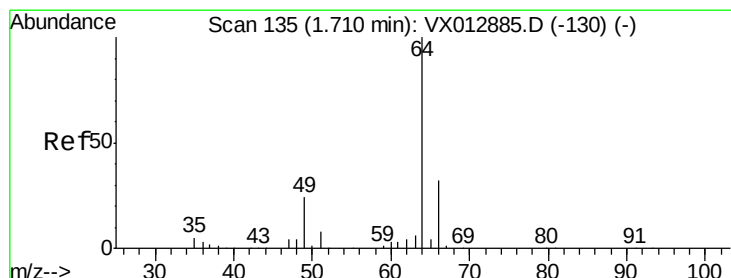
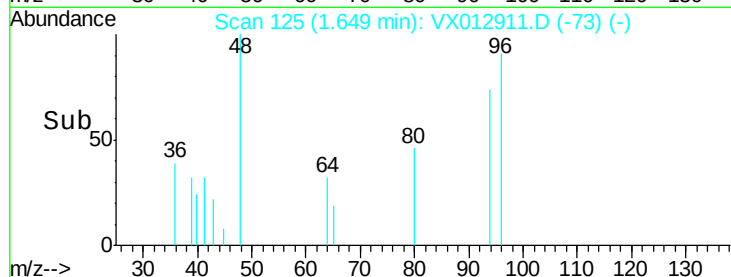
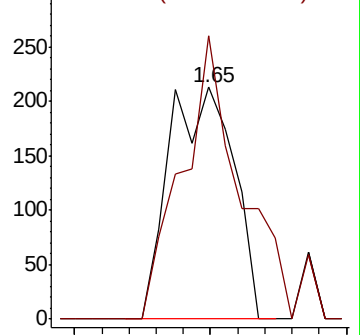
94 100

96 122.1 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.531 ug/l

RT: 1.73 min Scan# 138

Delta R.T. 0.02 min

Lab File: VX012911.D

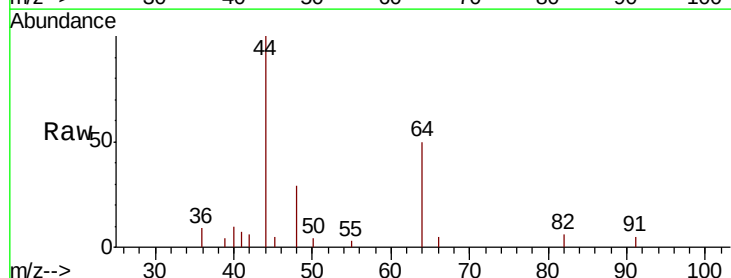
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Tgt Ion: 64 Resp: 206

Ion Ratio Lower Upper

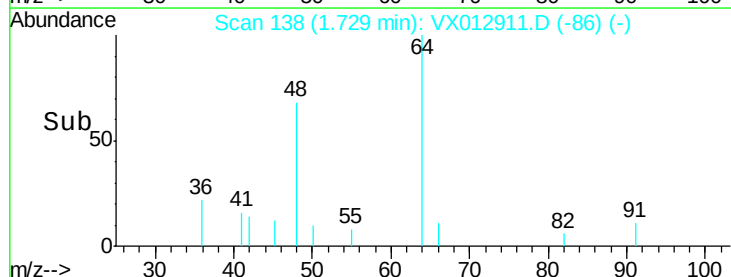
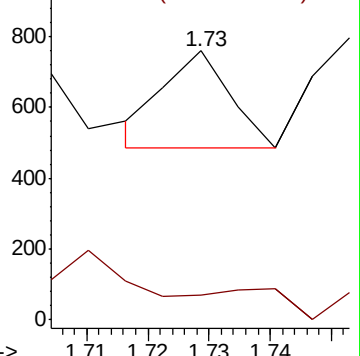
64 100

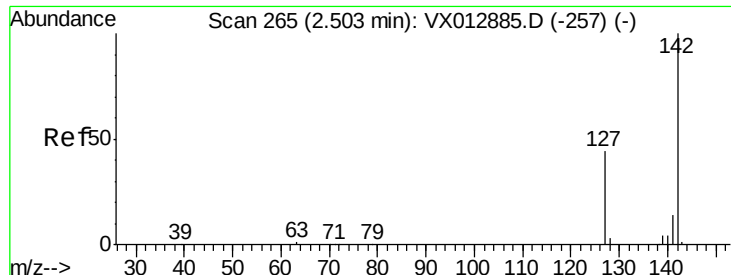
66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

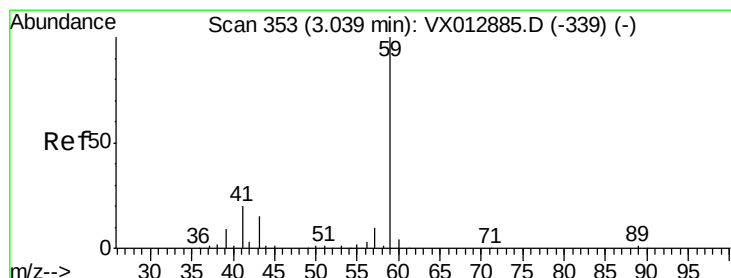
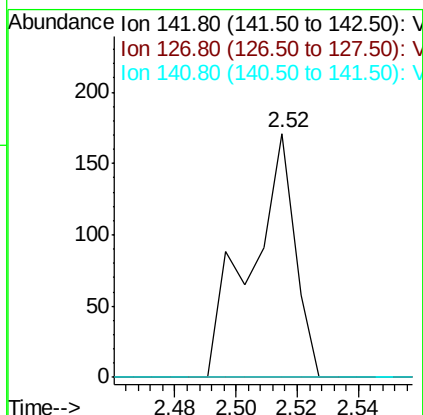
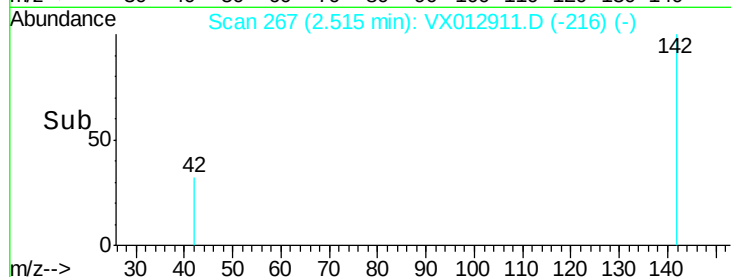
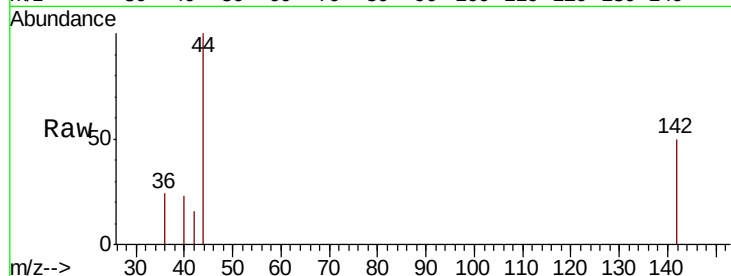




#10
Methvl Iodide
Concen: 5.158 ug/l
RT: 2.52 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX012911.D
Acq: 09 Oct 2019 00:49

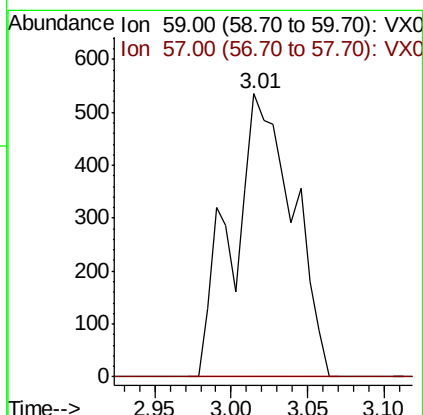
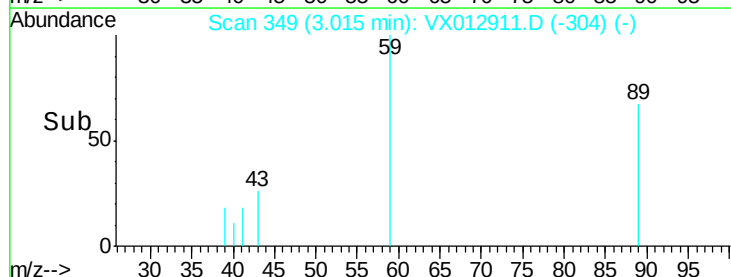
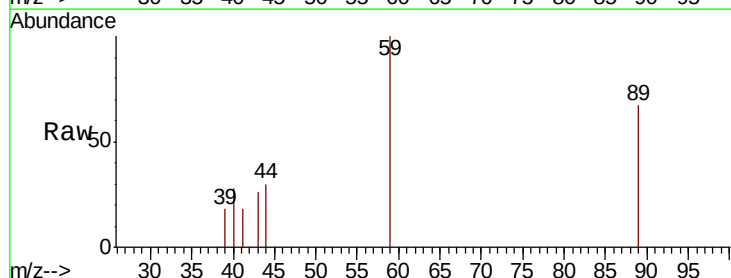
Instrument :
MSVOA_X
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FC-MW10I-20191002

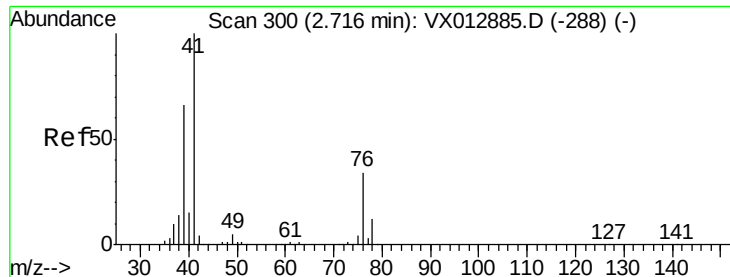
Tot Ion:142 Resp: 173
Ion Ratio Lower Upper
142 100
127 0.0 34.9 52.3#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 2.494 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX012911.D
Acq: 09 Oct 2019 00:49

Tgt Ion: 59 Resp: 1482
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

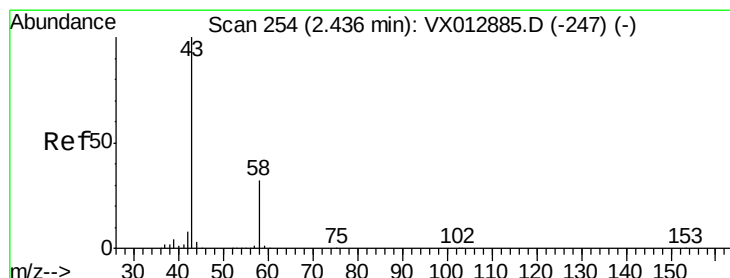
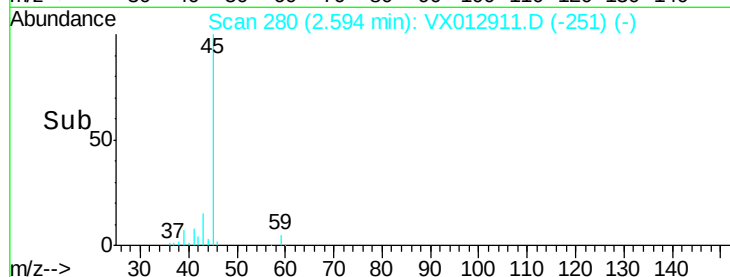
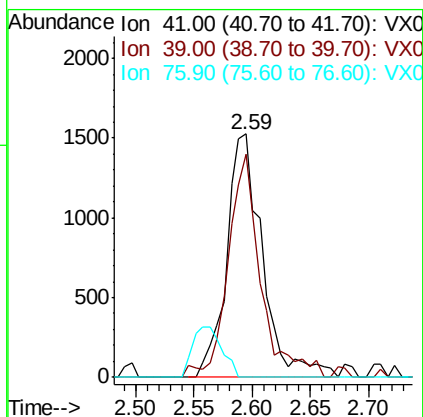
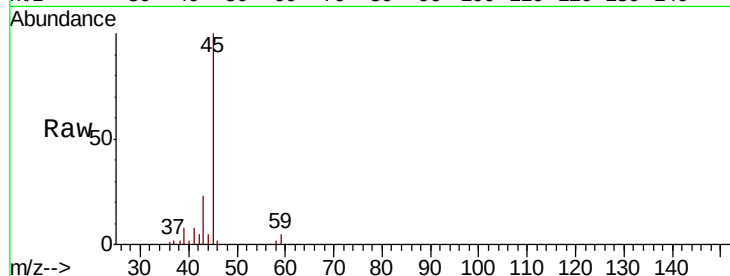




#14
Allvl chloride
Concen: 1.010 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.12 min
Lab File: VX012911.D
Acq: 09 Oct 2019 00:49

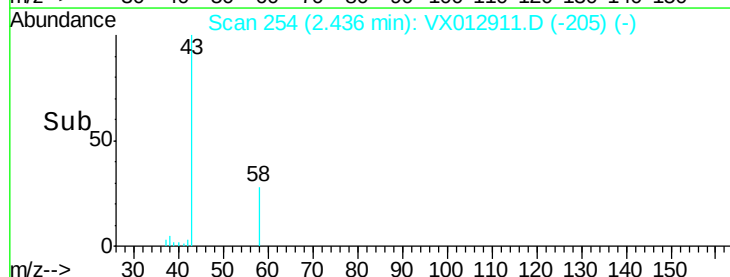
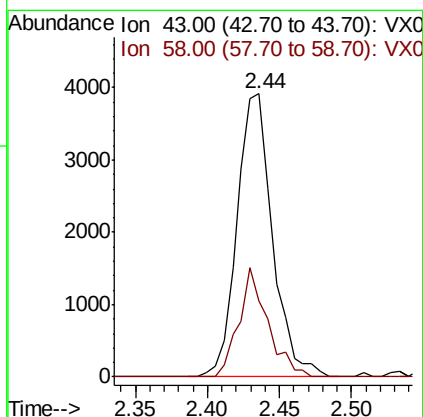
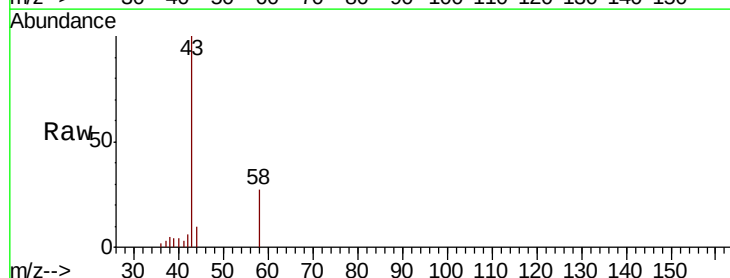
Instrument :
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ClientSampleId :
FC-MW10I-20191002

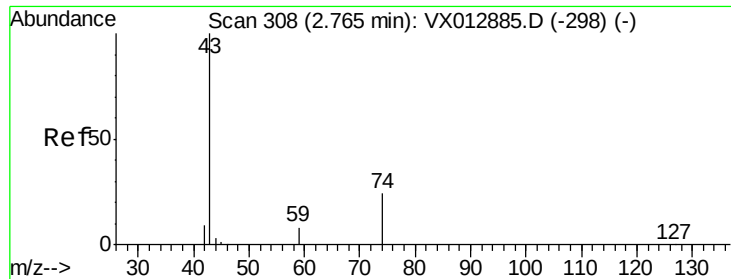
Tot Ion: 41 Resp: 3261
Ion Ratio Lower Upper
41 100
39 83.5 51.0 76.6#
76 0.0 26.2 39.4#



#16
Acetone
Concen: 5.663 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.00 min
Lab File: VX012911.D
Acq: 09 Oct 2019 00:49

Tgt Ion: 43 Resp: 6690
Ion Ratio Lower Upper
43 100
58 26.9 25.4 38.2

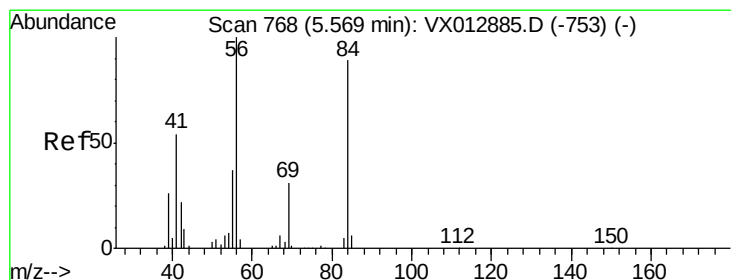
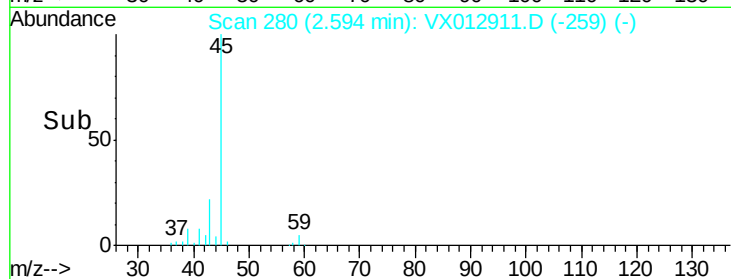
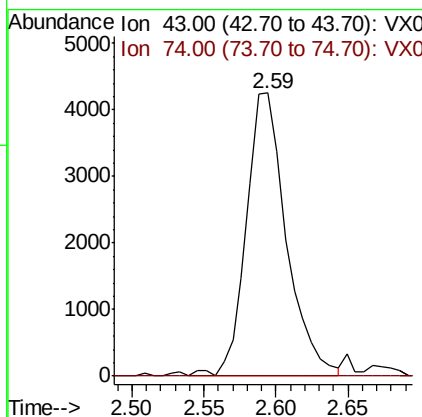
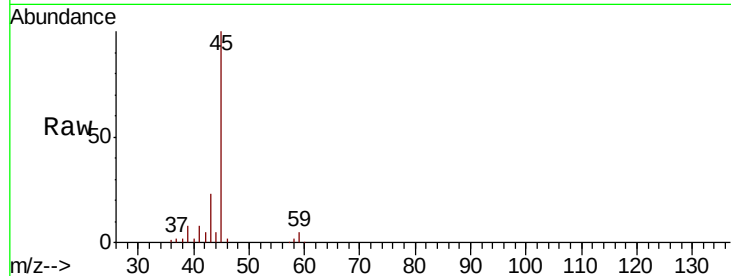




#18
Methvl Acetate
Concen: 2.926 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012911.D
Acq: 09 Oct 2019 00:49

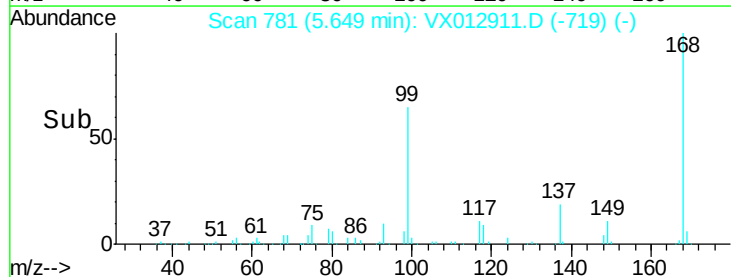
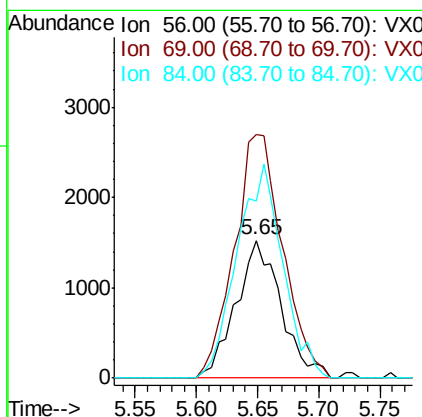
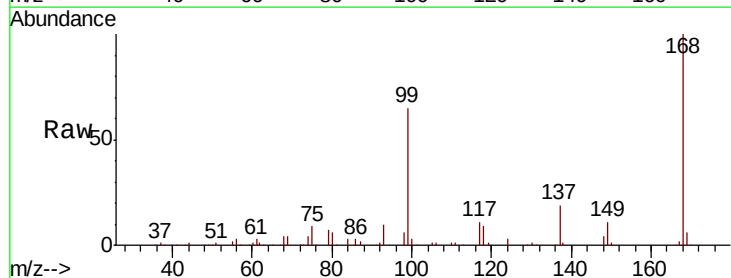
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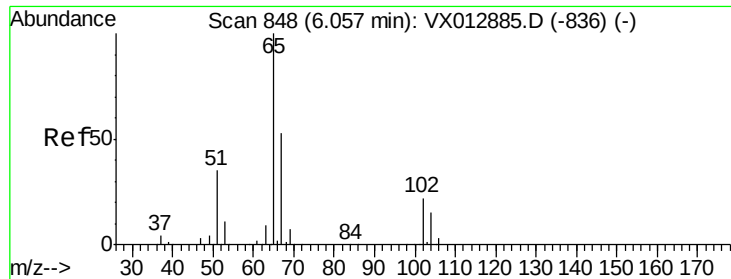
Tot Ion: 43 Resp: 8193
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#31
Cyclohexane
Concen: 1.200 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012911.D
Acq: 09 Oct 2019 00:49

Tgt Ion: 56 Resp: 3904
Ion Ratio Lower Upper
56 100
69 176.9 25.2 37.8#
84 128.6 71.3 106.9#

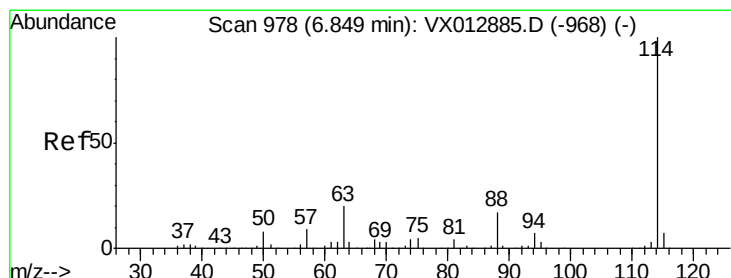
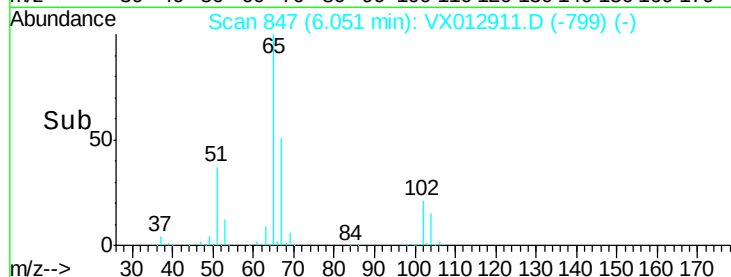
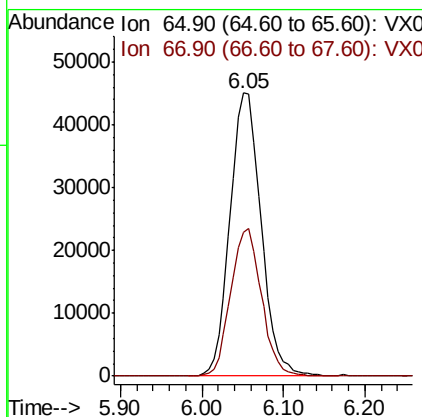
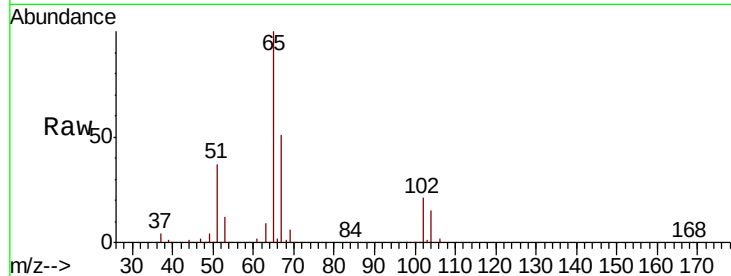




#33
 1,2-Dichloroethane-d4
 Concen: 53.010 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX012911.D
 Acq: 09 Oct 2019 00:49

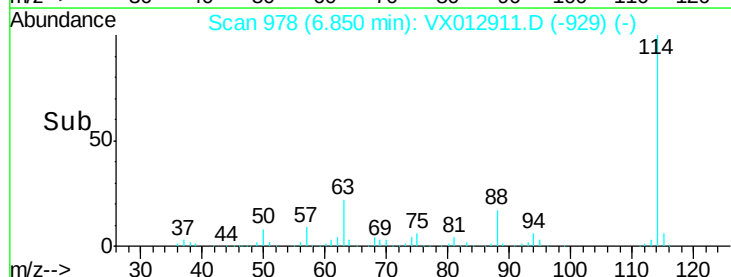
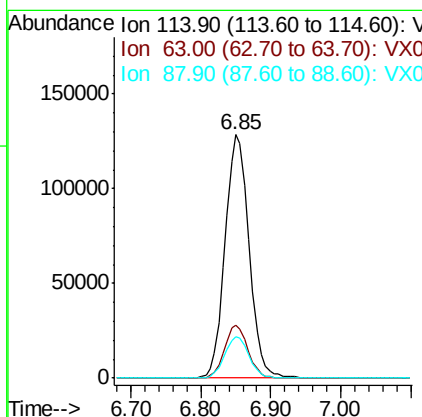
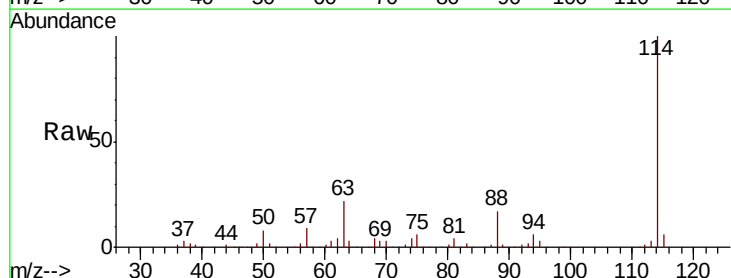
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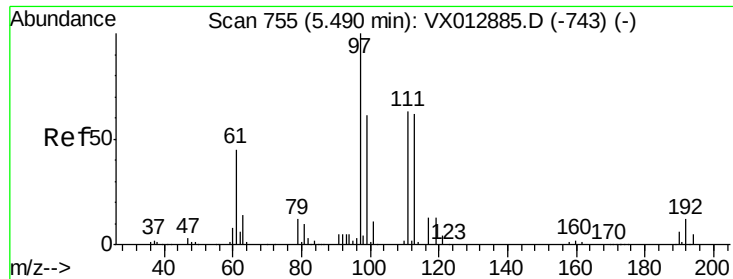
Tot Ion: 65 Resp: 118811
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012911.D
 Acq: 09 Oct 2019 00:49

Tgt Ion: 114 Resp: 306411
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 40.8
 88 16.9 0.0 33.8

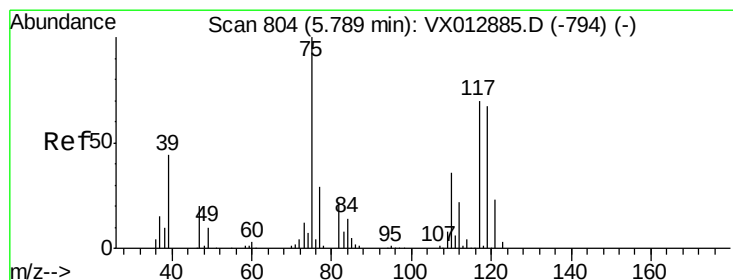
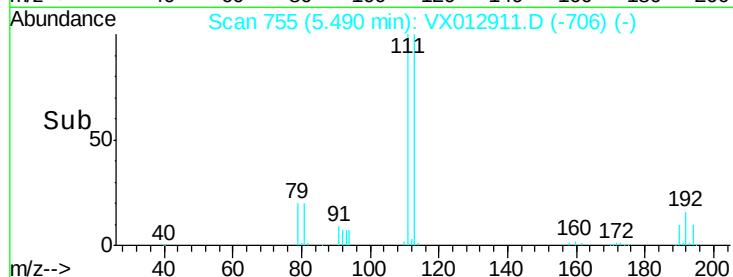
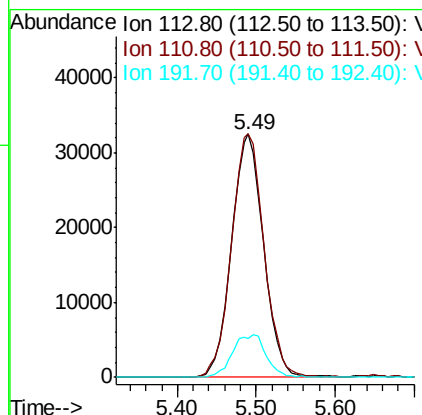
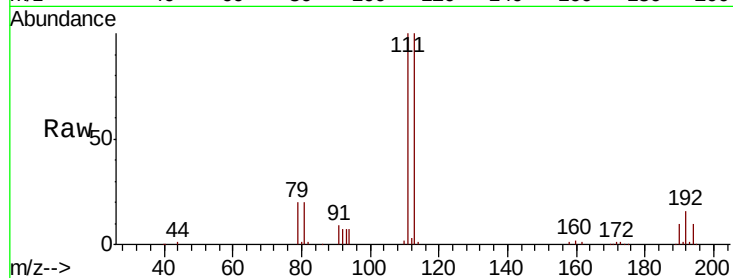




#35
 Dibromofluoromethane
 Concen: 52.045 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012911.D
 Acq: 09 Oct 2019 00:49

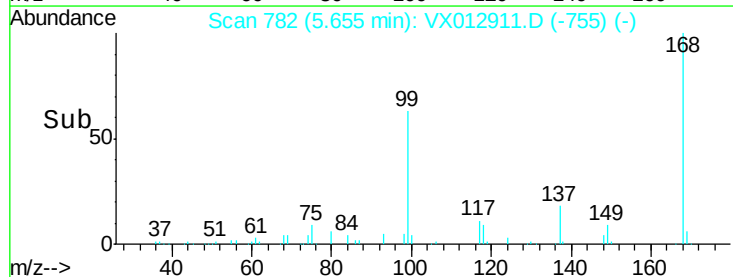
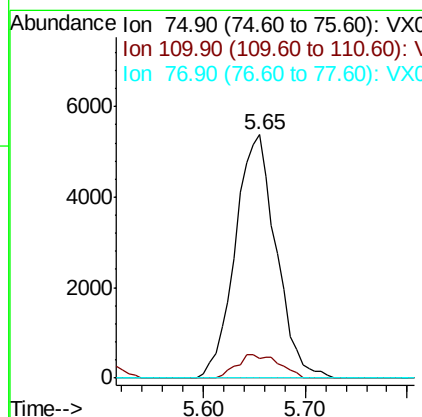
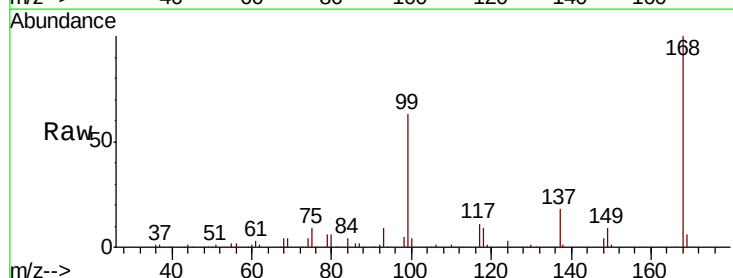
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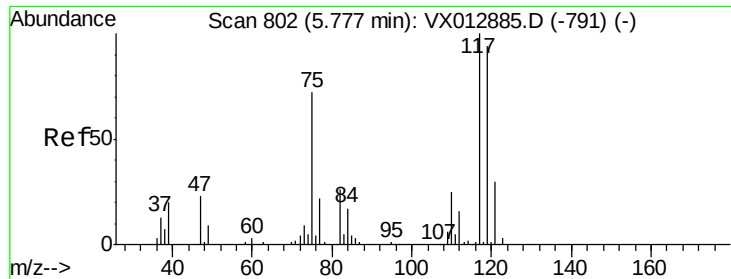
Tot Ion:113 Resp: 91528
 Ion Ratio Lower Upper
 113 100
 111 101.8 83.2 124.8
 192 18.4 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.540 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012911.D
 Acq: 09 Oct 2019 00:49

Tgt Ion: 75 Resp: 14925
 Ion Ratio Lower Upper
 75 100
 110 10.1 17.6 52.9#
 77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 7.397 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX012911.D

Acq: 09 Oct 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

FC-MW10I-20191002

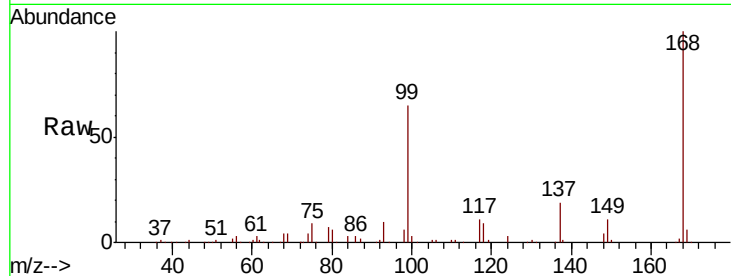
Tot Ion:117 Resp: 19396

Ion Ratio Lower Upper

117 100

119 8.1 74.5 111.7#

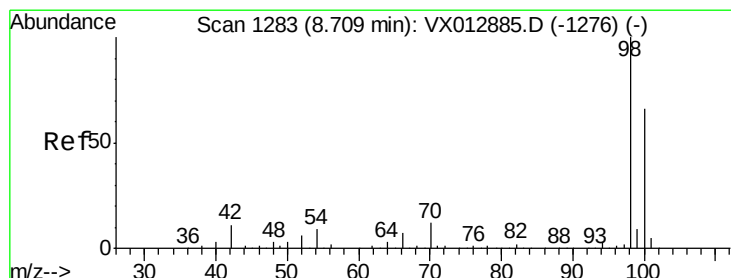
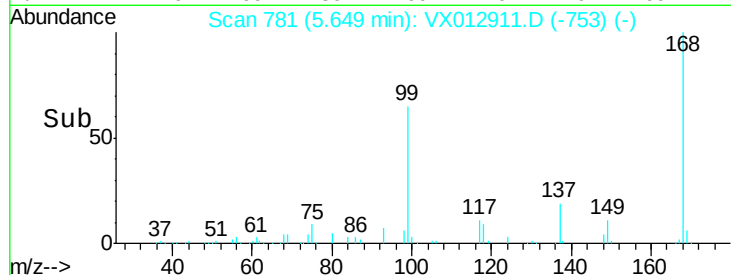
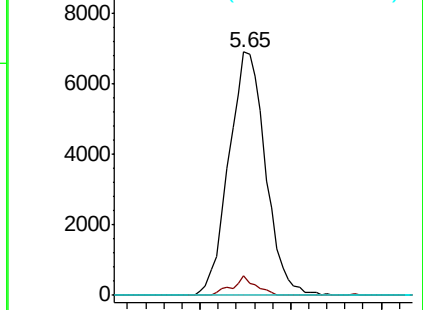
121 0.0 24.2 36.4#



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: 52.456 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012911.D

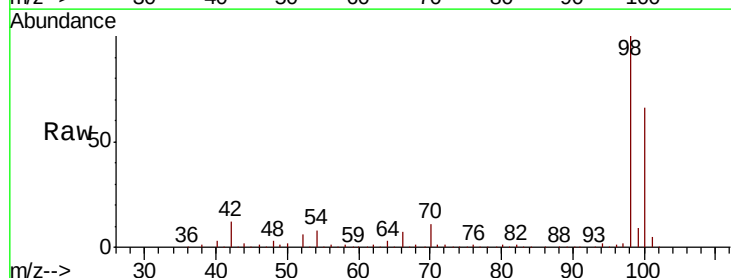
Acq: 09 Oct 2019 00:49

Tgt Ion: 98 Resp: 359799

Ion Ratio Lower Upper

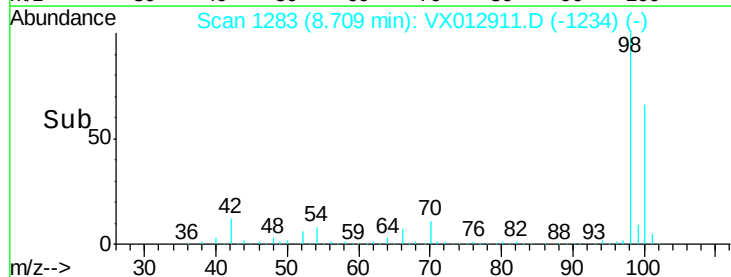
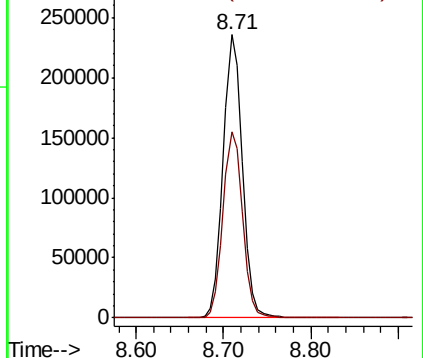
98 100

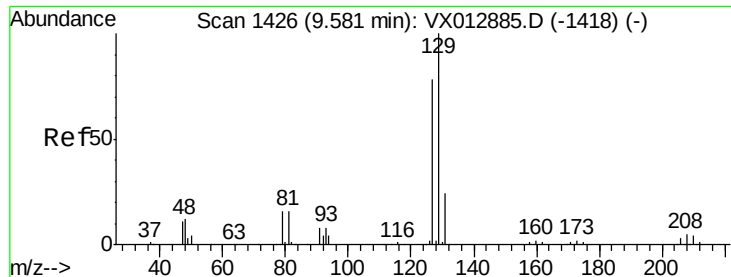
100 66.9 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

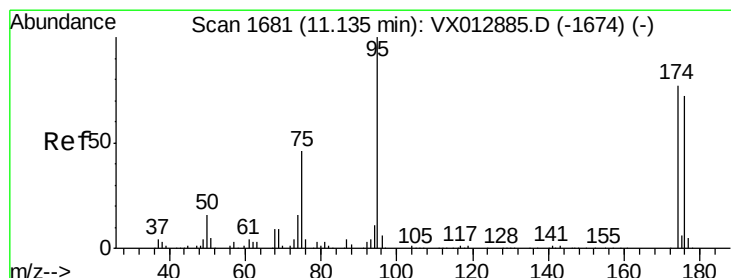
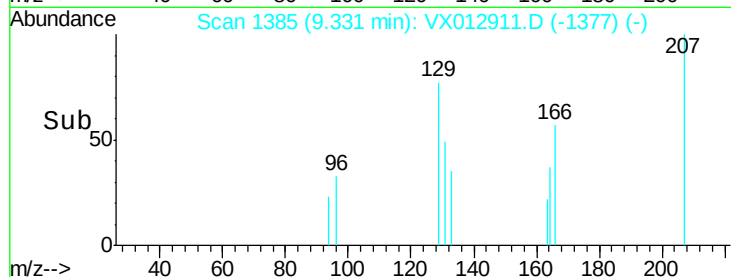
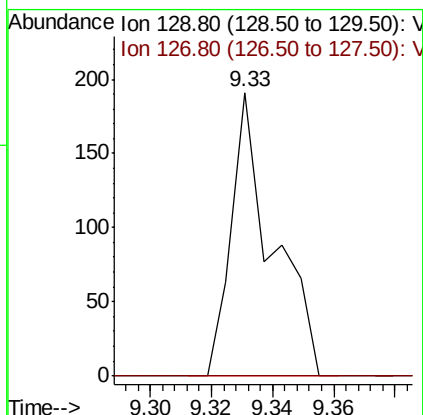
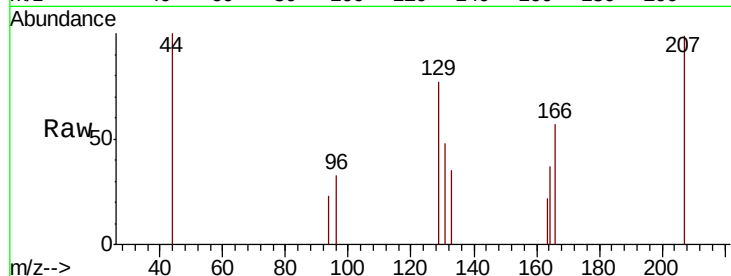




#60
 Dibromochloromethane
 Concen: 1.933 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. -0.25 min
 Lab File: VX012911.D
 Acq: 09 Oct 2019 00:49

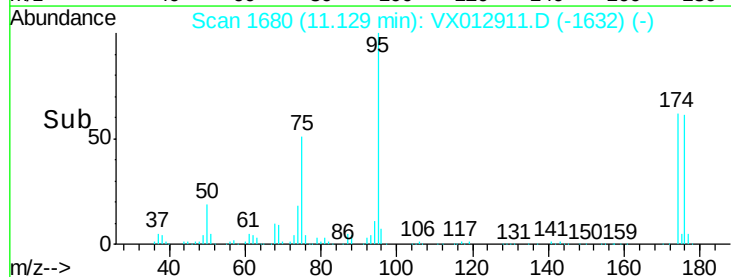
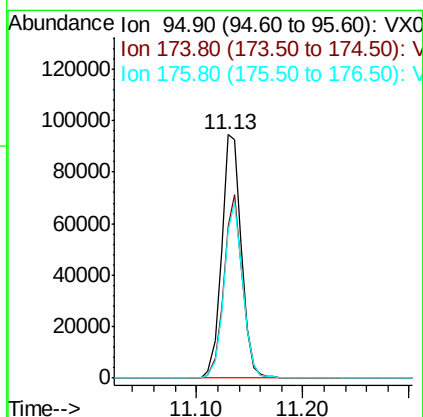
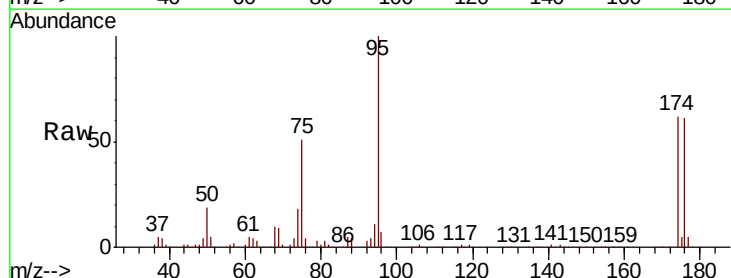
Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW10I-20191002

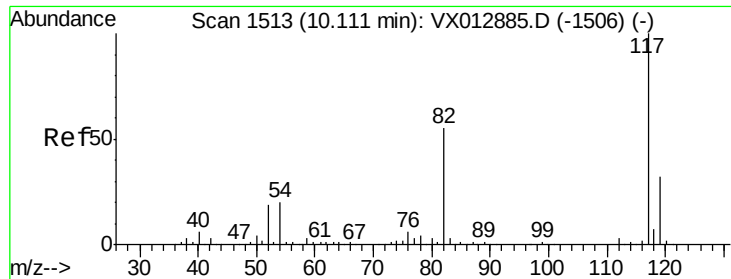
Tot Ion:129 Resp: 177
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.9 116.7#



#62
 4-Bromofluorobenzene
 Concen: 45.780 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX012911.D
 Acq: 09 Oct 2019 00:49

Tgt Ion: 95 Resp: 122011
 Ion Ratio Lower Upper
 95 100
 174 71.0 0.0 143.4
 176 68.8 0.0 136.0

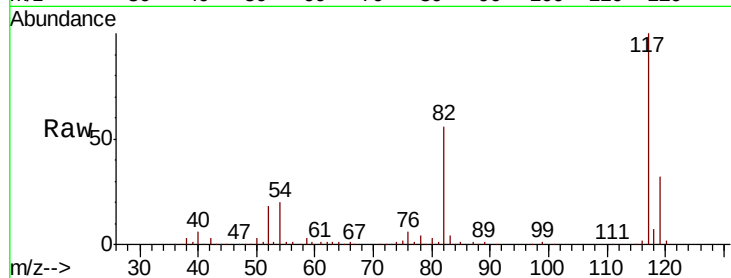




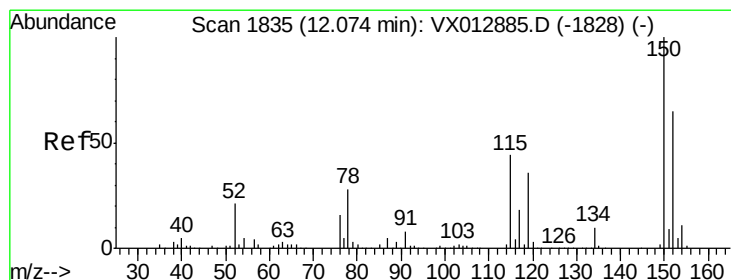
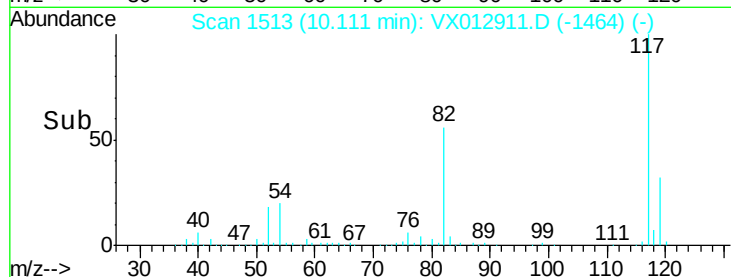
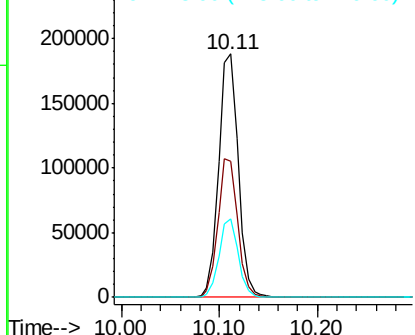
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012911.D
Acq: 09 Oct 2019 00:49

Instrument :
MSVOA_X
ClientSampleId :
FC-MW10I-20191002

Tot Ion:117 Resp: 262500
Ion Ratio Lower Upper
117 100
82 55.7 44.1 66.1
119 32.2 25.8 38.8

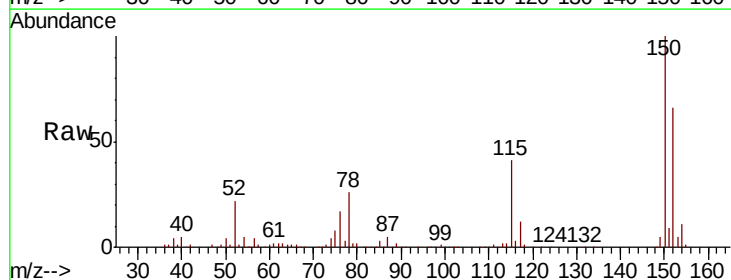


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

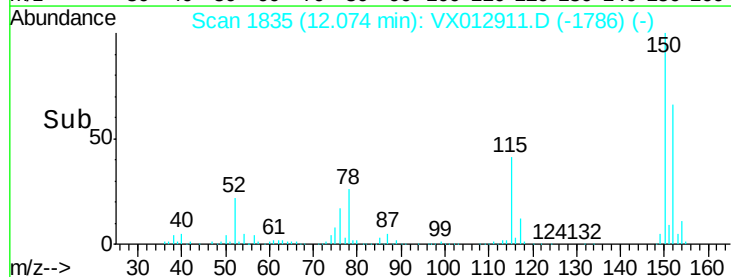
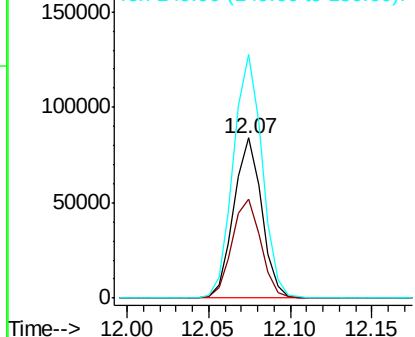


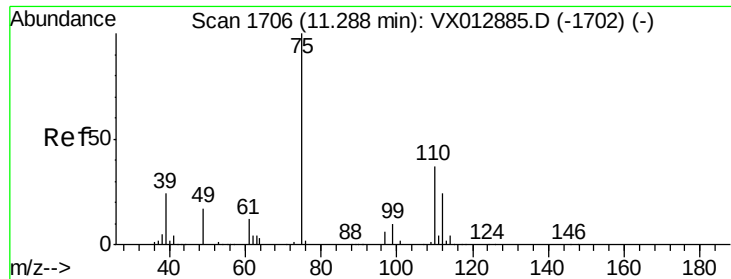
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012911.D
Acq: 09 Oct 2019 00:49

Tgt Ion:152 Resp: 100549
Ion Ratio Lower Upper
152 100
115 63.5 44.5 133.5
150 156.8 0.0 353.4



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: 27.924 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012911.D

Acq: 09 Oct 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

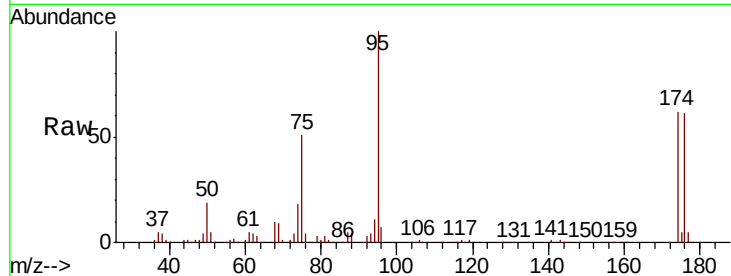
FC-MW10I-20191002

Tot Ion: 75 Resp: 62275

Ion Ratio Lower Upper

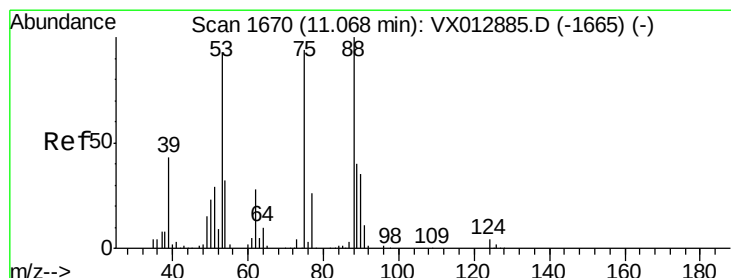
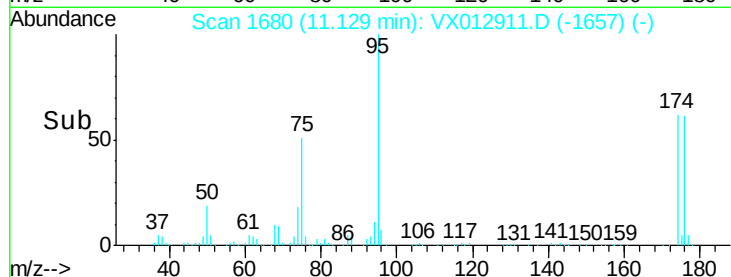
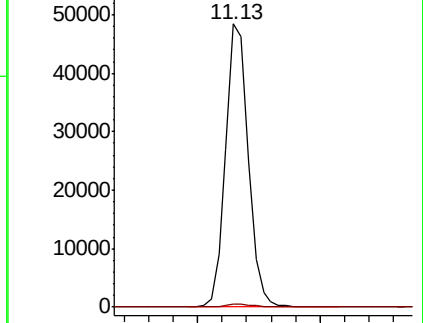
75 100

77 1.2 22.9 68.8#



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: 70.025 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012911.D

Acq: 09 Oct 2019 00:49

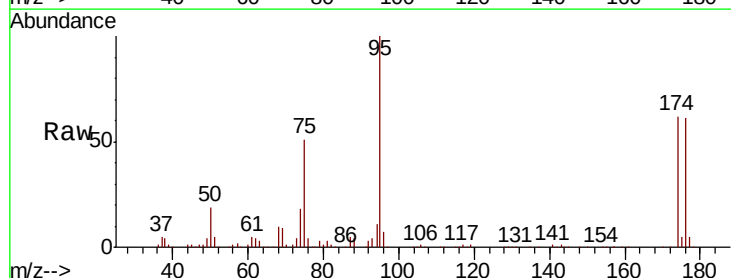
Tgt Ion: 75 Resp: 62275

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#



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

