

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031119\
 Data File : VX007995.D
 Acq On : 12 Mar 2019 05:21
 Operator : JC/SP
 Sample : K1793-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-20190305

Quant Time: Mar 12 08:49:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	246722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	387172	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	363802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	174243	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	134190	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
35) Dibromofluoromethane	5.51	113	124930	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
50) Toluene-d8	8.71	98	465881	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	
62) 4-Bromofluorobenzene	11.13	95	171816	53.88	ug/l	0.00
Spiked Amount			Recovery	=	107.76%	

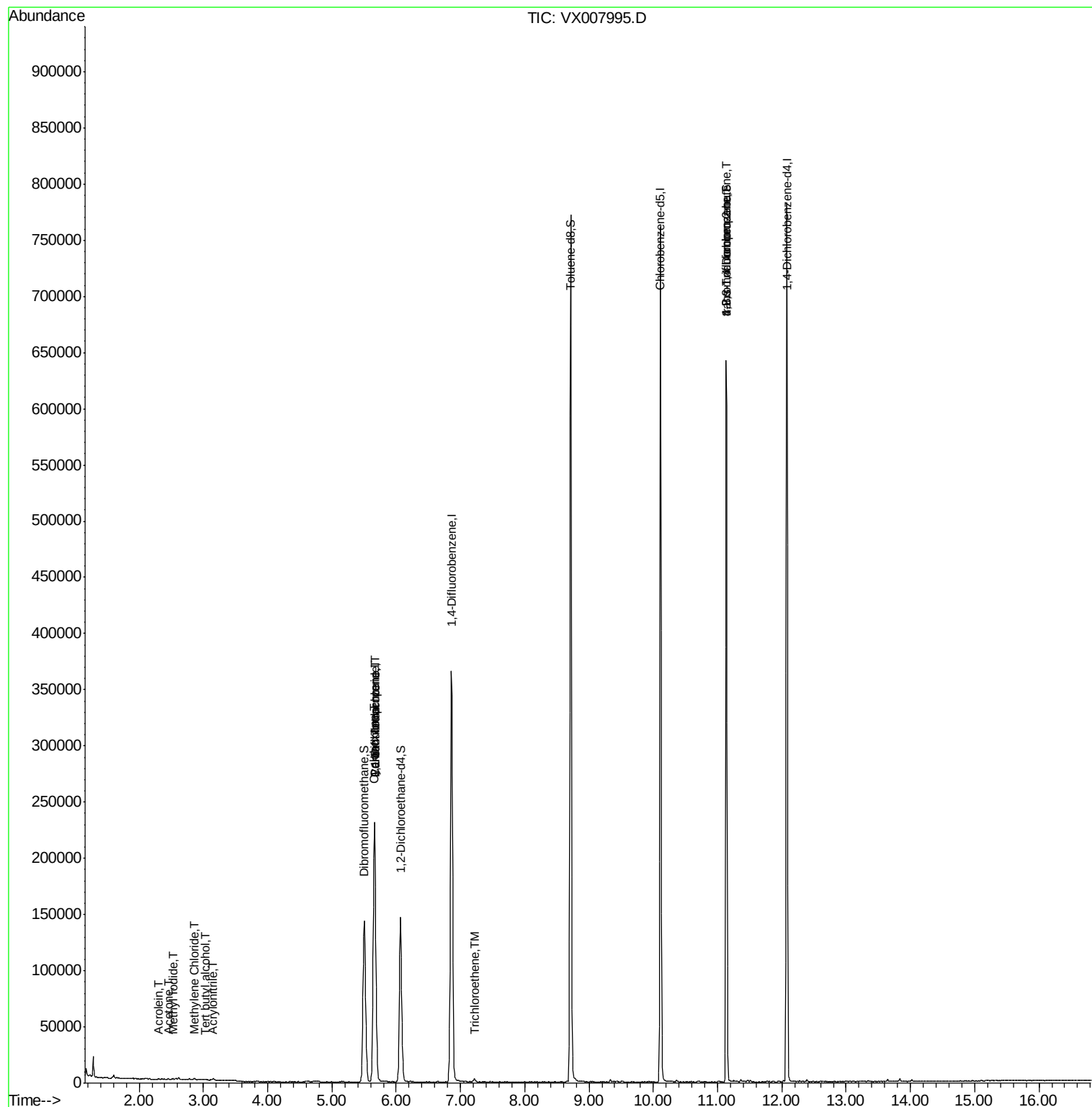
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	738	Below Cal		88
10) Methyl Iodide	2.53	142	673	0.218	ug/l #	80
11) Tert butyl alcohol	3.03	59	458	0.787	ug/l #	73
13) Acrolein	2.29	56	29	1.629	ug/l #	1
15) Acrylonitrile	3.14	53	485	0.330	ug/l #	75
16) Acetone	2.45	43	1148	0.762	ug/l #	82
17) Carbon Disulfide	2.57	76	1517	Below Cal	#	84
20) Methylene Chloride	2.87	84	498	0.208	ug/l #	87
31) Cyclohexane	5.65	56	3794	0.949	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14787	4.218	ug/l #	49
38) Carbon Tetrachloride	5.66	117	21232	6.379	ug/l #	16
44) Trichloroethene	7.21	130	1221	0.425	ug/l	93
76) 1,2,3-Trichloropropane	11.13	75	77150	21.100	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	77150	67.447	ug/l #	11

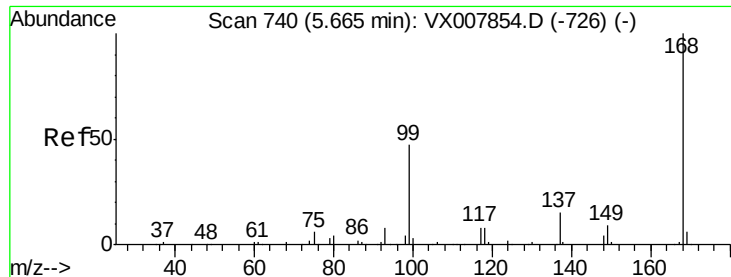
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007995.D

Acq: 12 Mar 2019 05:21

Instrument :

MSVOA_X

ClientSampleId :

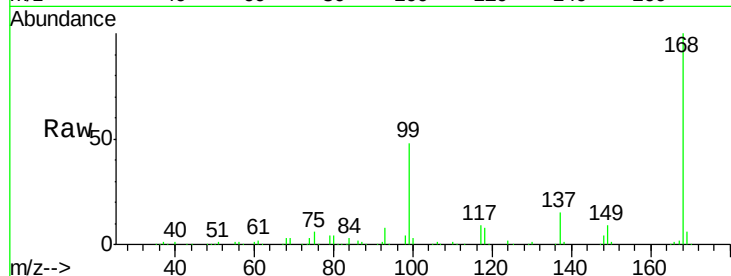
TB-20190305

Tot Ion:168 Resp: 246722

Ion Ratio Lower Upper

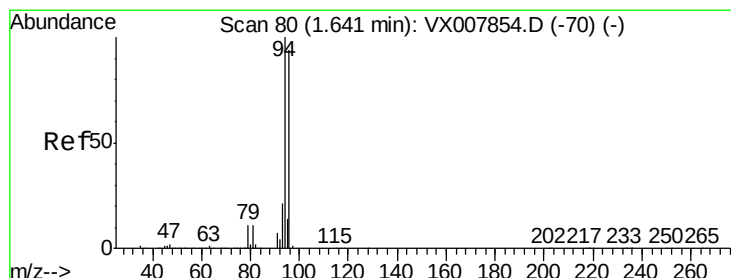
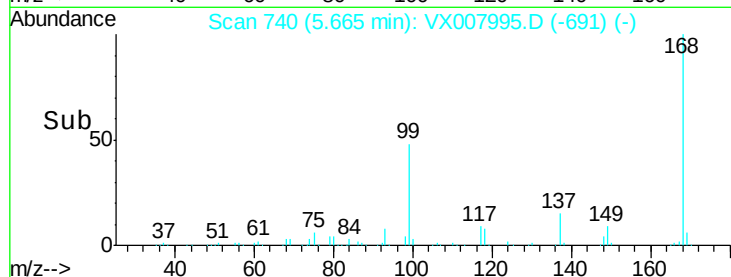
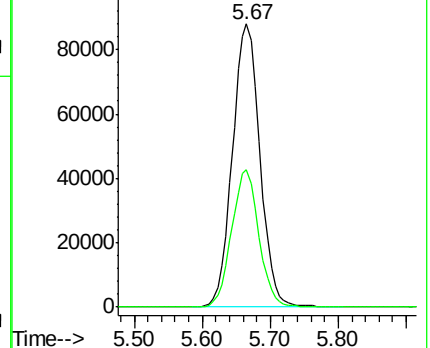
168 100

99 48.5 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007995.D

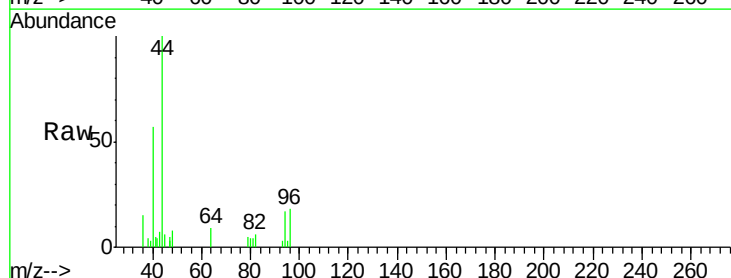
Acq: 12 Mar 2019 05:21

Tgt Ion: 94 Resp: 738

Ion Ratio Lower Upper

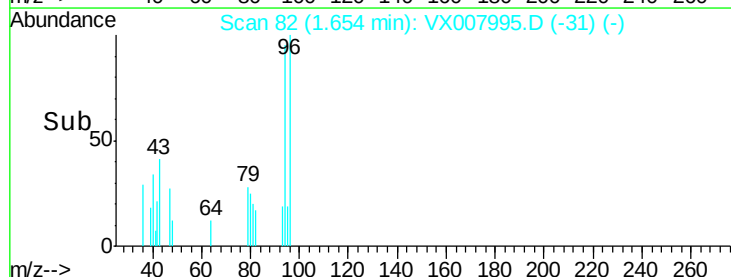
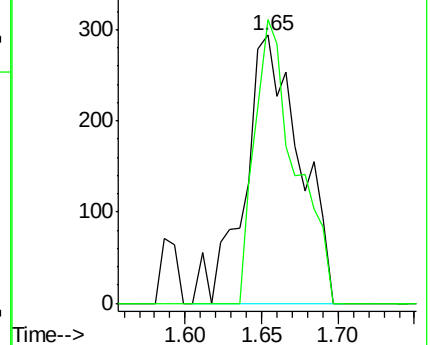
94 100

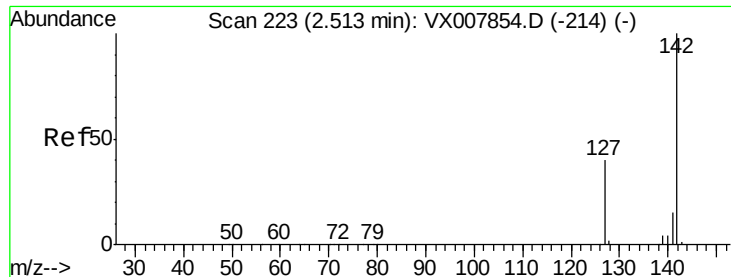
96 105.8 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

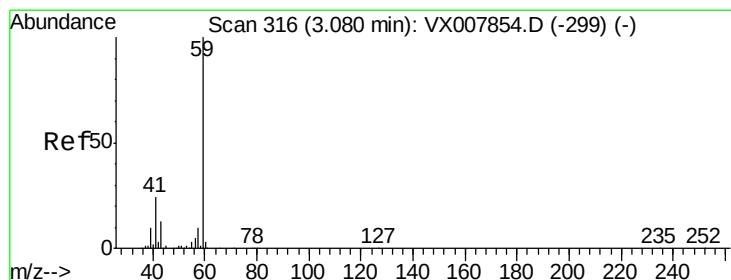
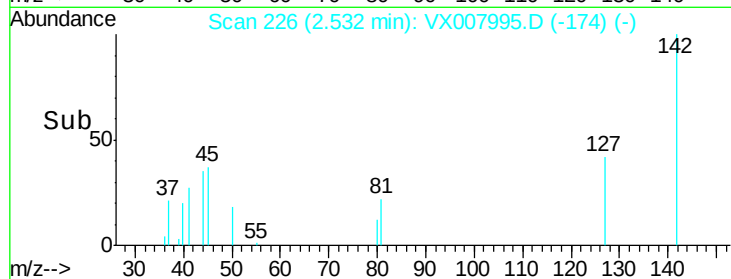
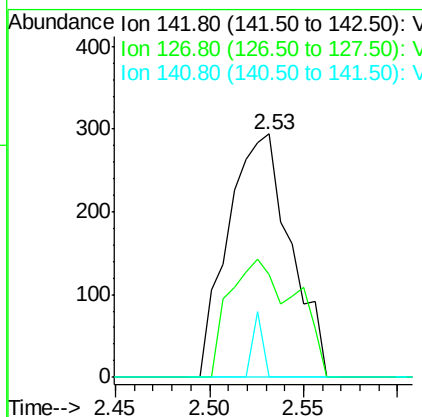
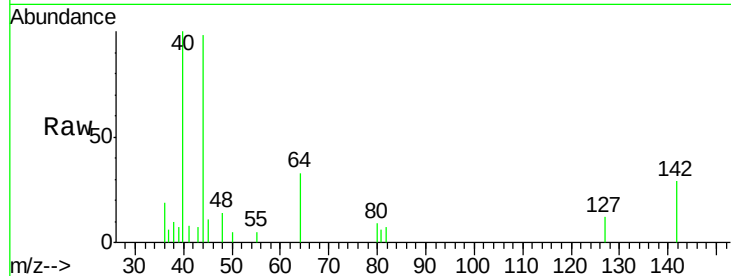




#10
Methvl Iodide
Concen: 0.218 ug/l
RT: 2.53 min Scan# 226
Delta R.T. 0.02 min
Lab File: VX007995.D
Acq: 12 Mar 2019 05:21

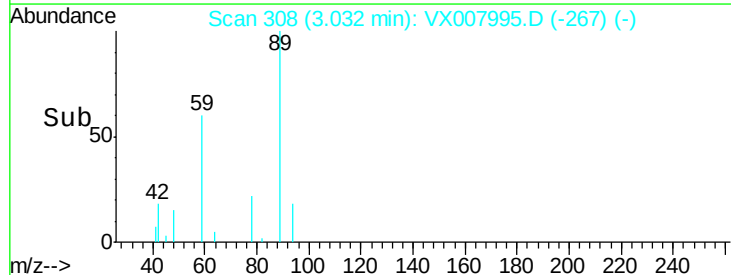
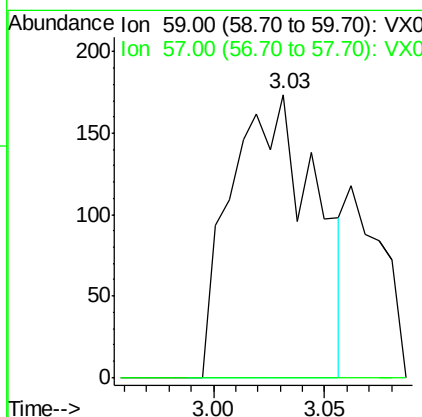
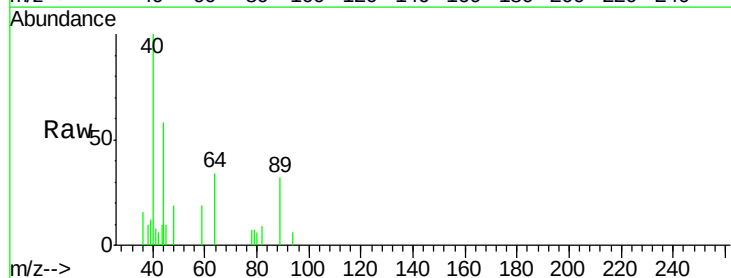
Instrument :
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TB-20190305

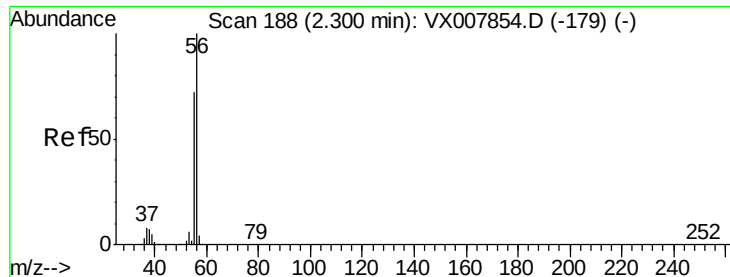
Tot Ion:142 Resp: 673
Ion Ratio Lower Upper
142 100
127 51.7 32.1 48.1#
141 4.3 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.787 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.05 min
Lab File: VX007995.D
Acq: 12 Mar 2019 05:21

Tgt Ion: 59 Resp: 458
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 1.629 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007995.D

Acq: 12 Mar 2019 05:21

Instrument :

MSVOA_X

ClientSampleId :

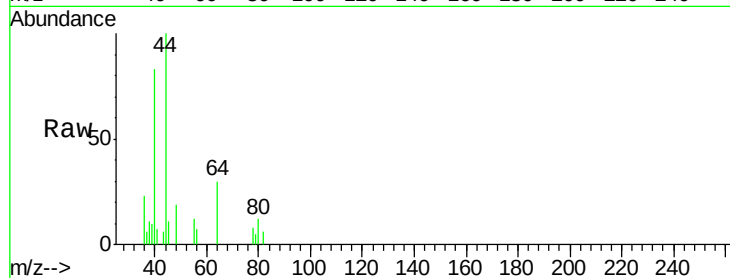
TB-20190305

Tot Ion: 56 Resp: 29

Ion Ratio Lower Upper

56 100

55 258.6 57.8 86.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

150

100

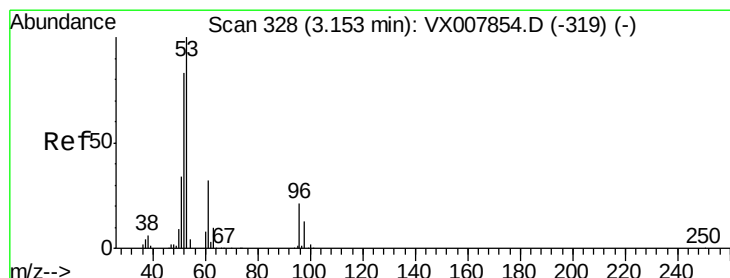
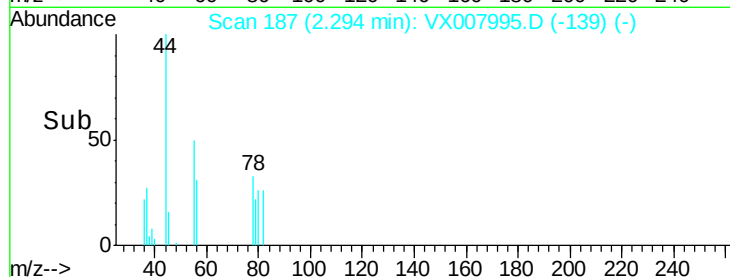
50

0

2.27 2.28 2.29 2.30 2.31

2.29

Time-->



#15

Acrylonitrile

Concen: 0.330 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX007995.D

Acq: 12 Mar 2019 05:21

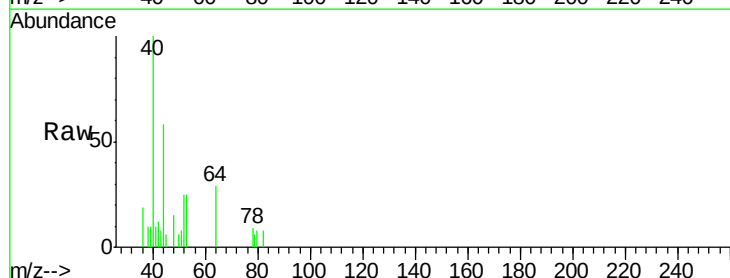
Tgt Ion: 53 Resp: 485

Ion Ratio Lower Upper

53 100

52 106.4 66.0 99.0#

51 46.8 28.0 42.0#



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

300

200

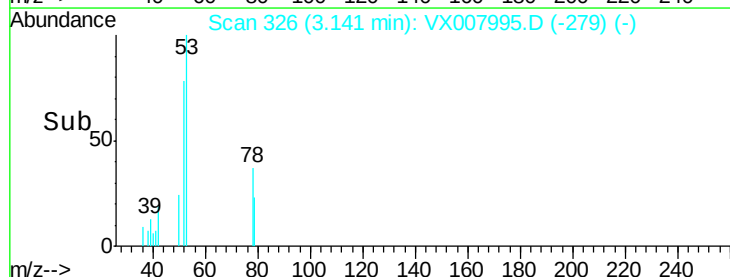
100

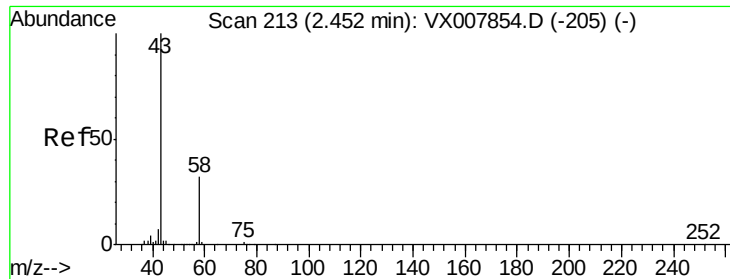
0

3.10 3.15 3.20

3.14

Time-->





#16

Acetone

Concen: 0.762 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.00 min

Lab File: VX007995.D

Acq: 12 Mar 2019 05:21

Instrument :

MSVOA_X

ClientSampleId :

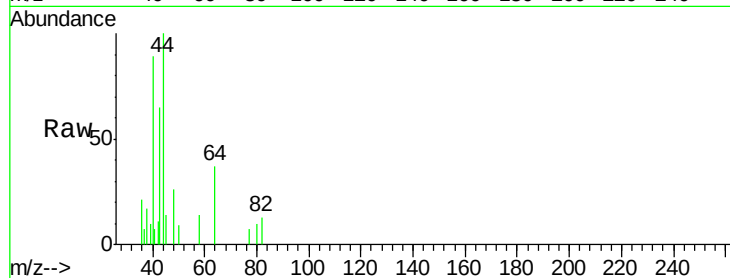
TB-20190305

Tot Ion: 43 Resp: 1148

Ion Ratio Lower Upper

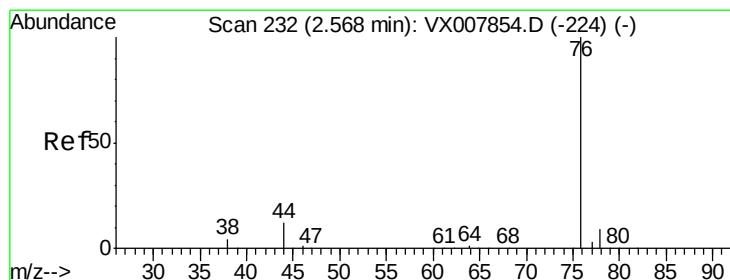
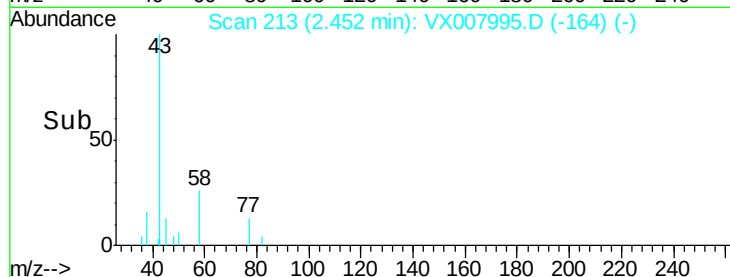
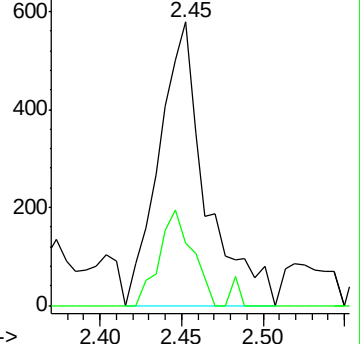
43 100

58 22.0 25.5 38.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX007995.D

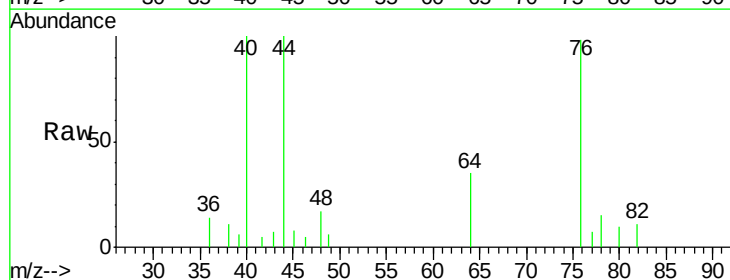
Acq: 12 Mar 2019 05:21

Tgt Ion: 76 Resp: 1517

Ion Ratio Lower Upper

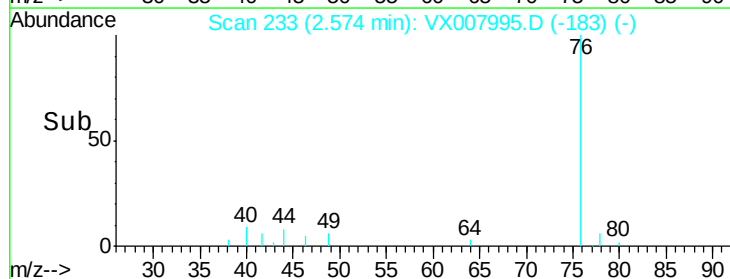
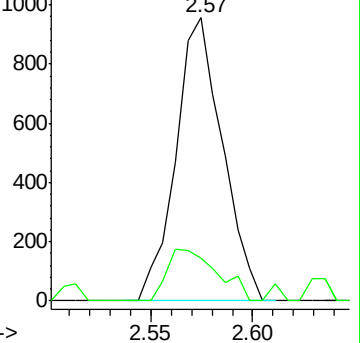
76 100

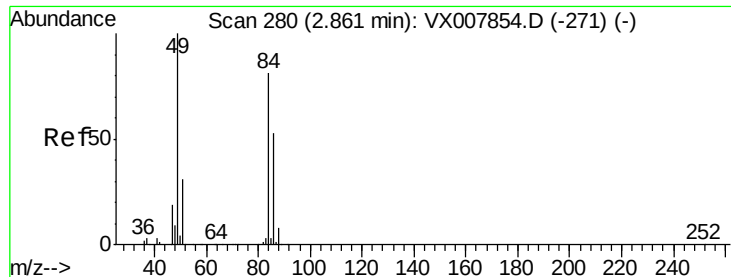
78 14.9 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

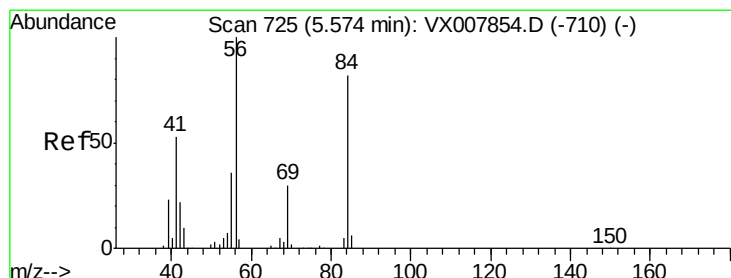
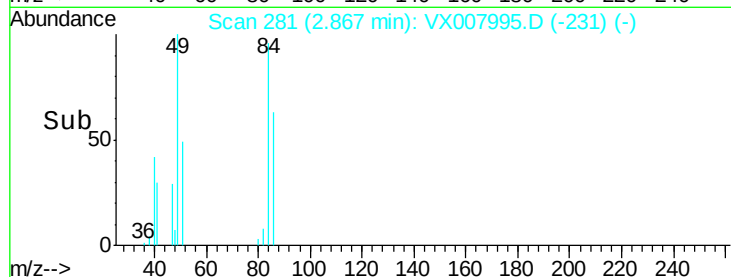
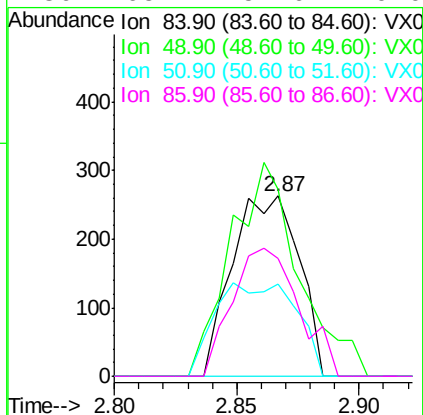
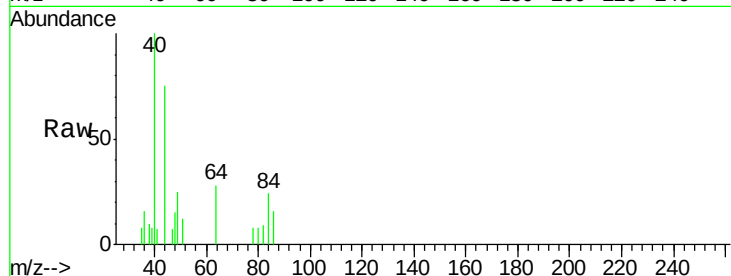




#20
Methylene Chloride
Concen: 0.208 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX007995.D
Acq: 12 Mar 2019 05:21

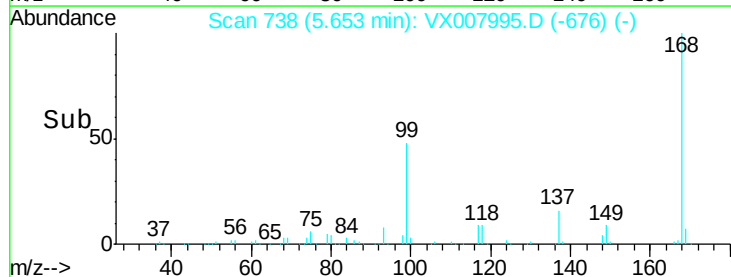
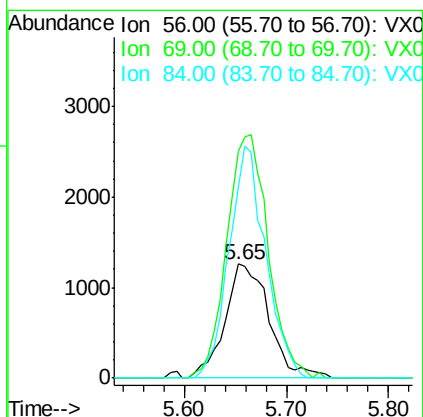
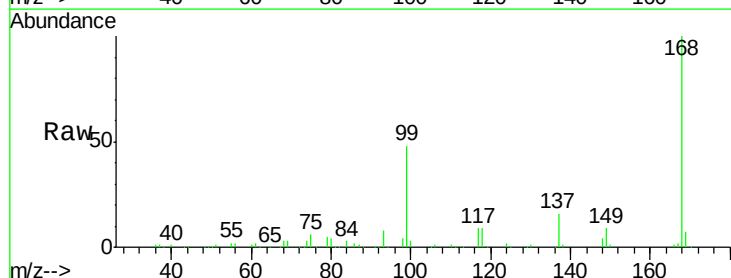
Instrument :
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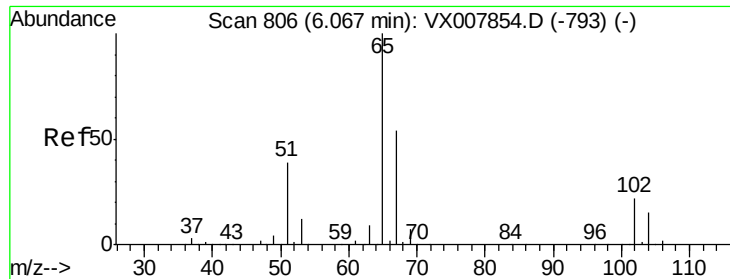
Tot Ion: 84 Resp: 498
Ion Ratio Lower Upper
84 100
49 103.8 99.3 148.9
51 51.0 31.3 46.9#
86 65.4 52.6 79.0



#31
Cyclohexane
Concen: 0.949 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX007995.D
Acq: 12 Mar 2019 05:21

Tgt Ion: 56 Resp: 3794
Ion Ratio Lower Upper
56 100
69 199.4 24.0 36.0#
84 168.5 65.3 97.9#

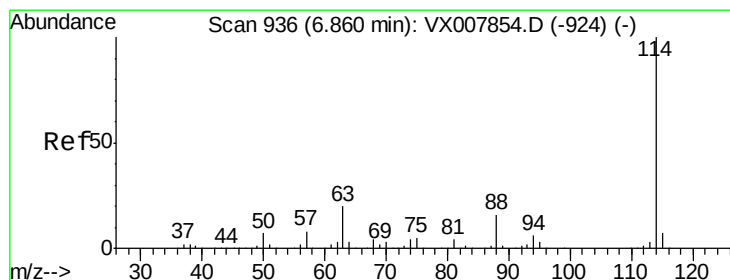
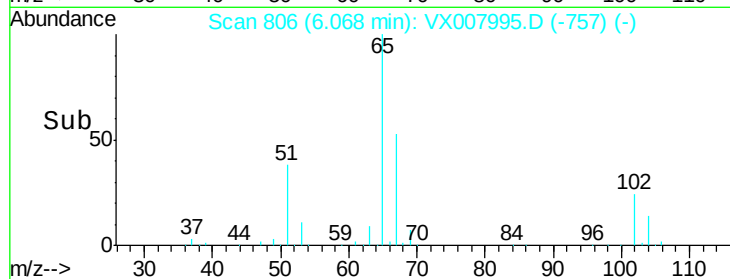
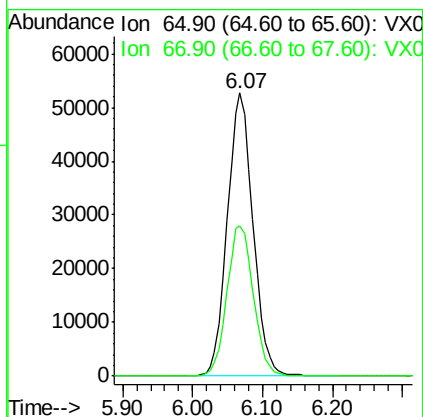
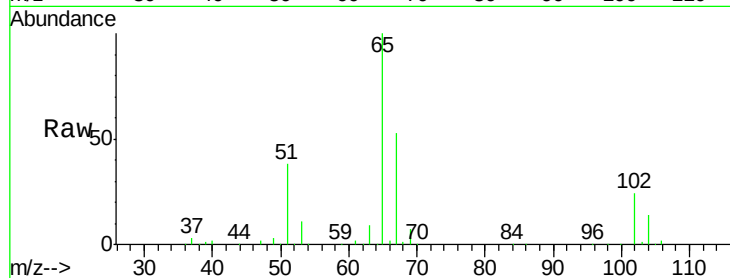




#33
 1,2-Dichloroethane-d4
 Concen: 51.558 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007995.D
 Acq: 12 Mar 2019 05:21

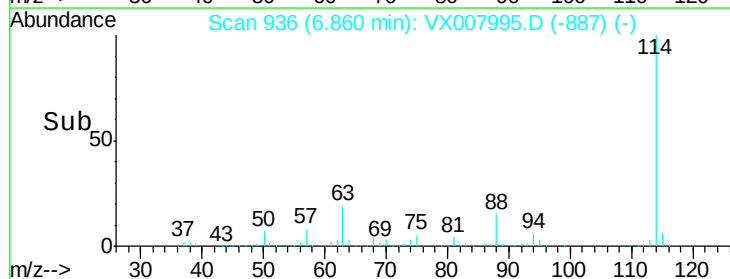
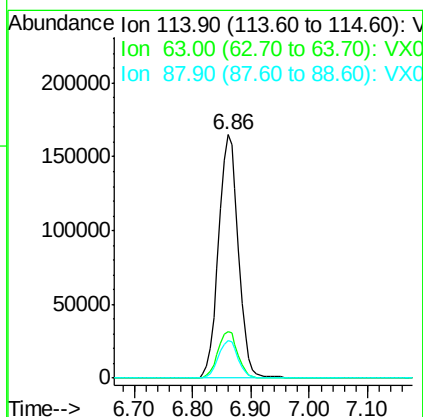
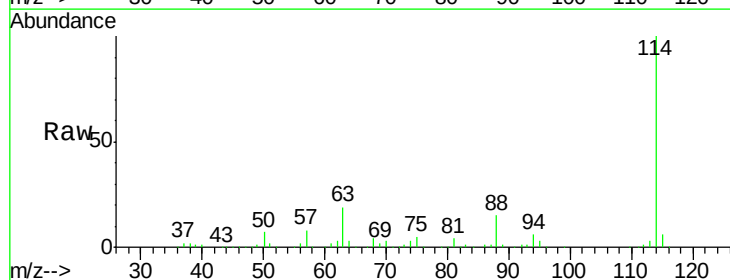
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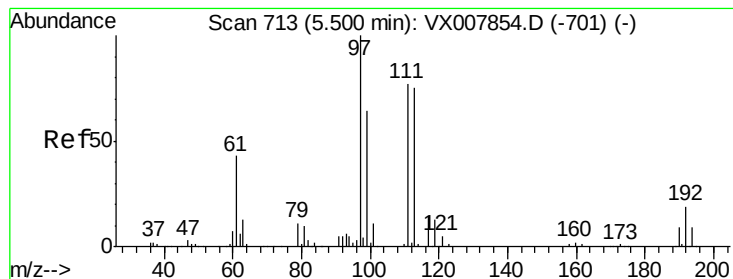
Tot Ion: 65 Resp: 134190
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007995.D
 Acq: 12 Mar 2019 05:21

Tgt Ion: 114 Resp: 387172
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.8
 88 15.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.444 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007995.D

Acq: 12 Mar 2019 05:21

Instrument :

MSVOA_X

ClientSampleId :

TB-20190305

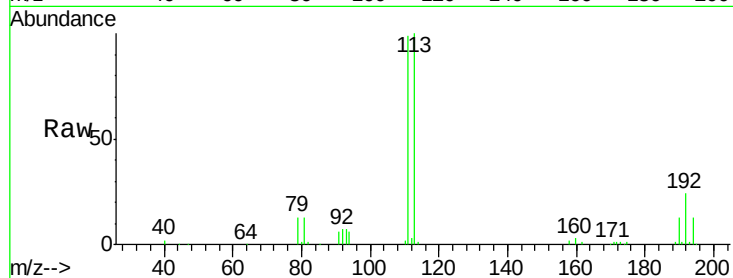
Tot Ion:113 Resp: 124930

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

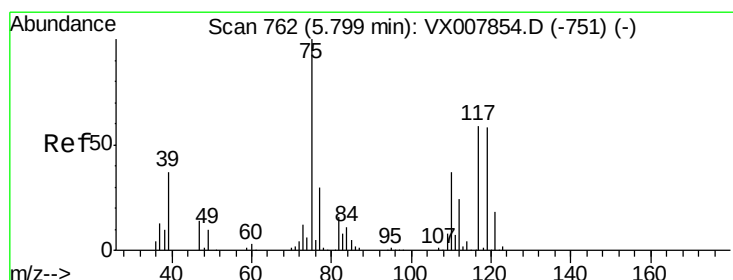
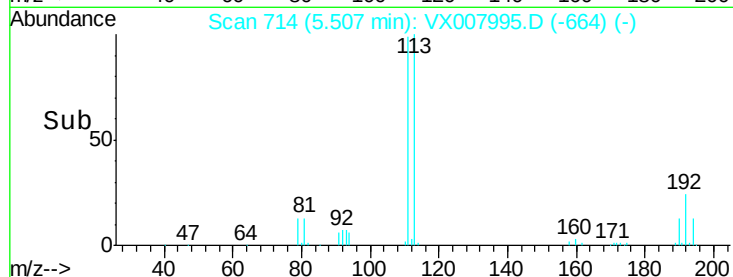
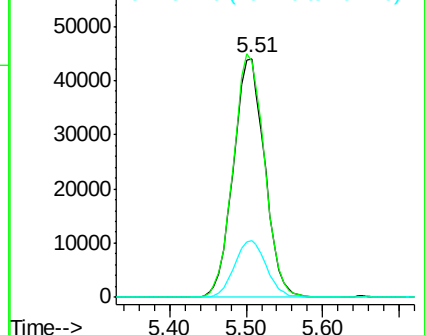
192 24.2 19.4 29.0



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: 4.218 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007995.D

Acq: 12 Mar 2019 05:21

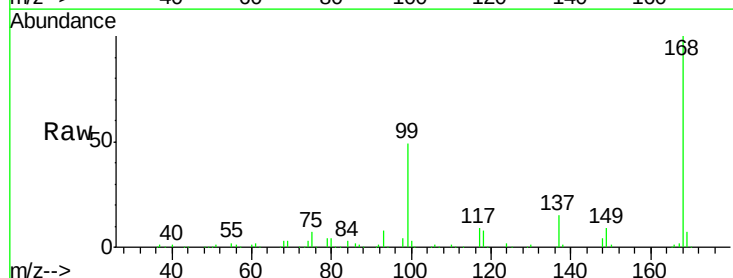
Tgt Ion: 75 Resp: 14787

Ion Ratio Lower Upper

75 100

110 9.5 18.4 55.0#

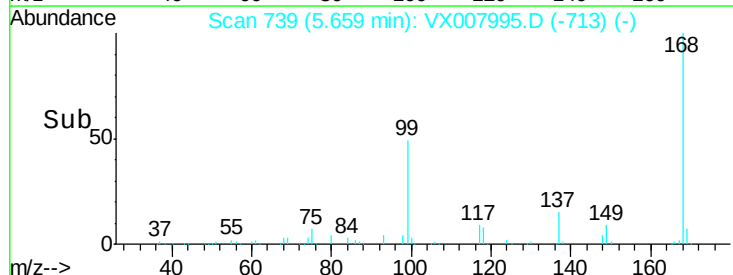
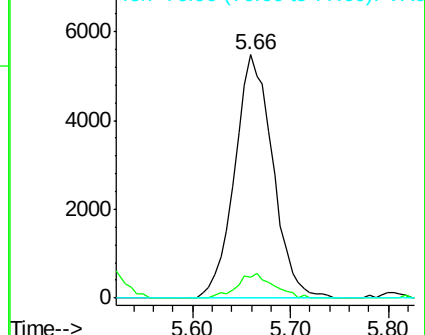
77 0.0 25.0 37.4#

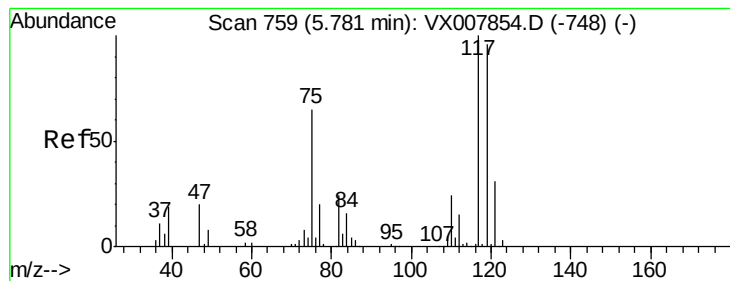


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.379 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007995.D

Acq: 12 Mar 2019 05:21

Instrument :

MSVOA_X

ClientSampled :

TB-20190305

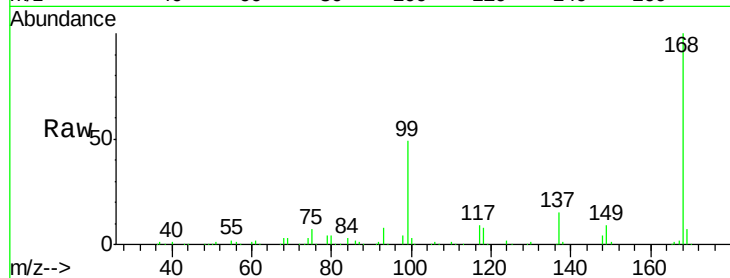
Tot Ion:117 Resp: 21232

Ion Ratio Lower Upper

117 100

119 4.8 76.2 114.2#

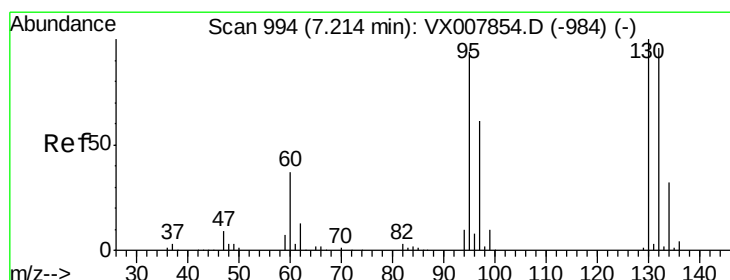
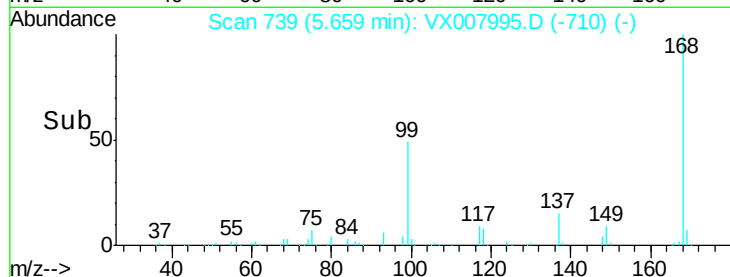
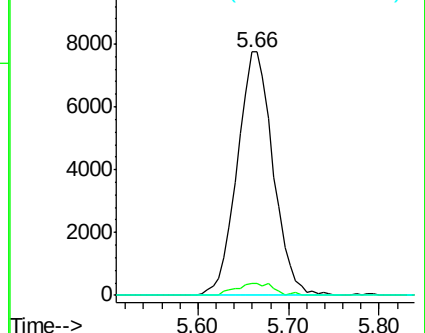
121 0.0 24.6 36.8#



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



#44

Trichloroethene

Concen: 0.425 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX007995.D

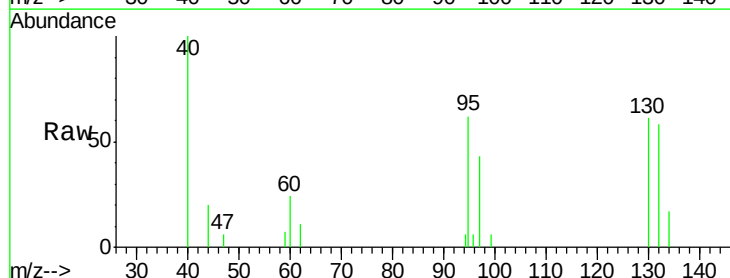
Acq: 12 Mar 2019 05:21

Tgt Ion:130 Resp: 1221

Ion Ratio Lower Upper

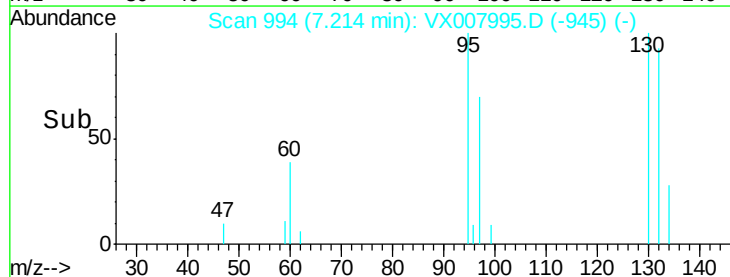
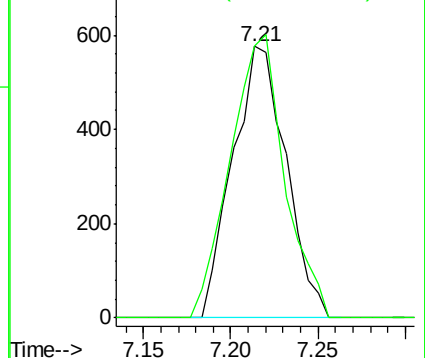
130 100

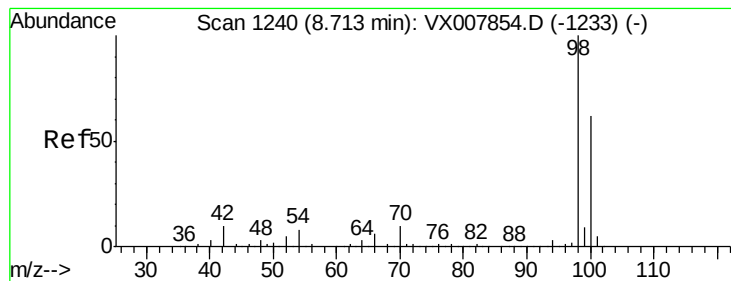
95 100.3 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 51.221 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007995.D

Acq: 12 Mar 2019 05:21

Instrument :

MSVOA_X

ClientSampleId :

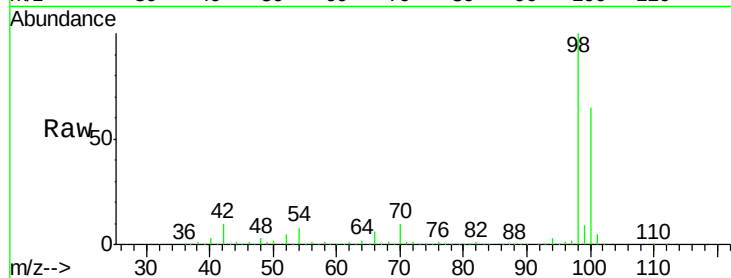
TB-20190305

Tot Ion: 98 Resp: 465881

Ion Ratio Lower Upper

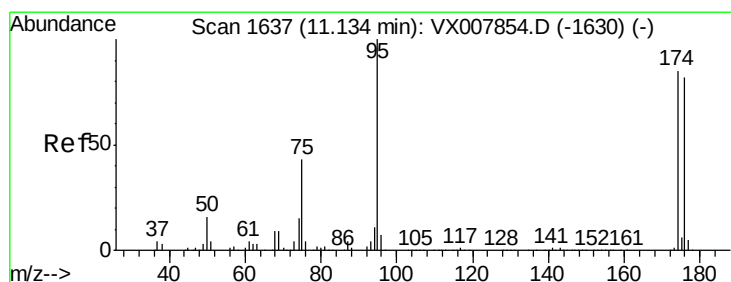
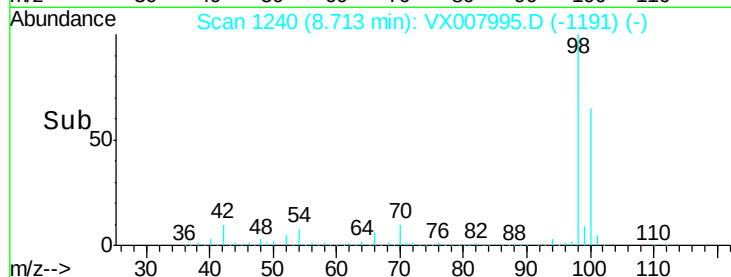
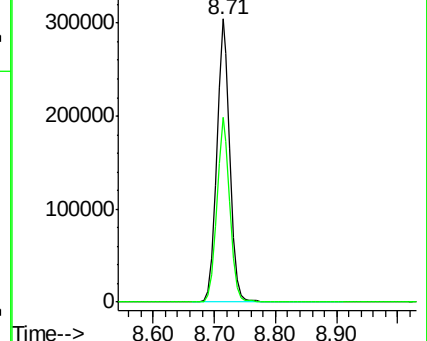
98 100

100 65.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 53.879 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007995.D

Acq: 12 Mar 2019 05:21

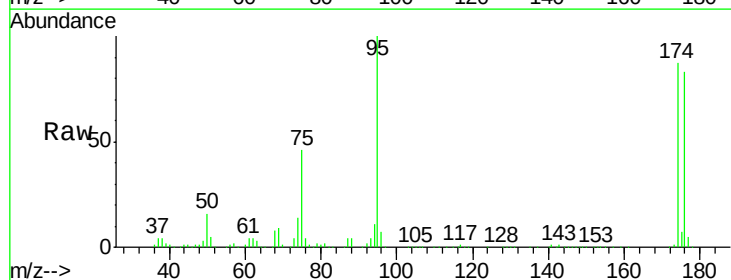
Tgt Ion: 95 Resp: 171816

Ion Ratio Lower Upper

95 100

174 93.0 0.0 182.8

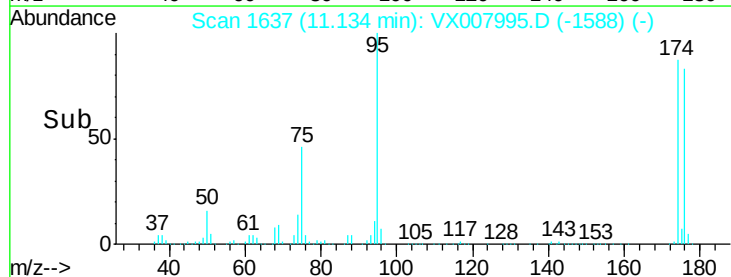
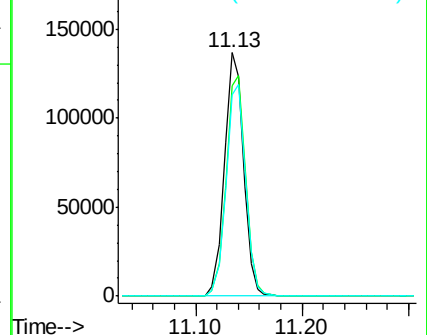
176 89.1 0.0 178.0

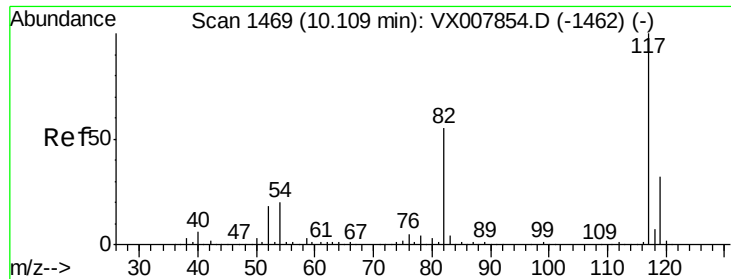


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

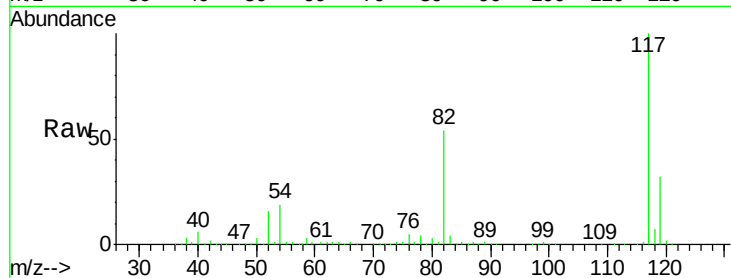




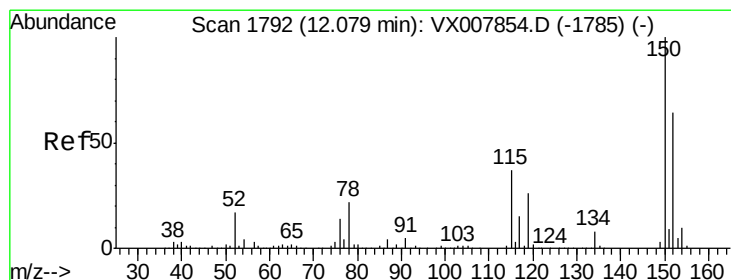
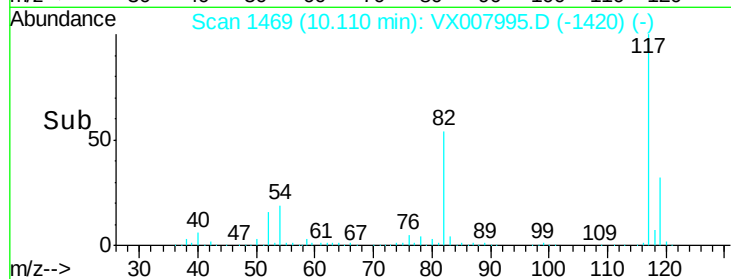
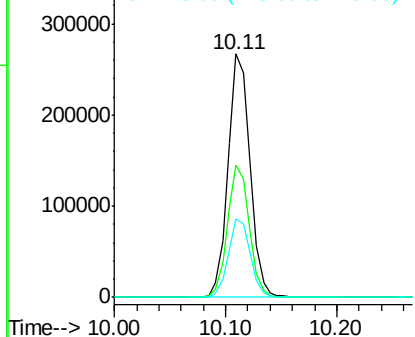
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007995.D
Acq: 12 Mar 2019 05:21

Instrument :
MSVOA_X
ClientSampleId :
TB-20190305

Tot Ion:117 Resp: 363802
Ion Ratio Lower Upper
117 100
82 54.4 44.3 66.5
119 32.4 25.3 37.9

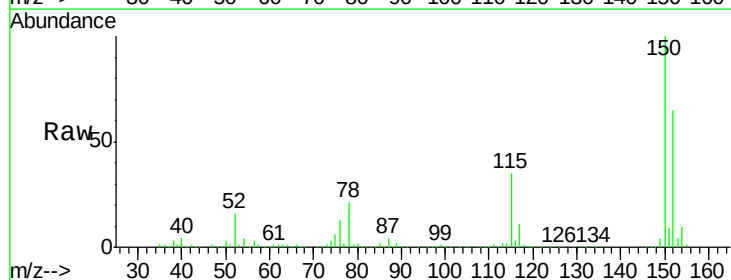


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

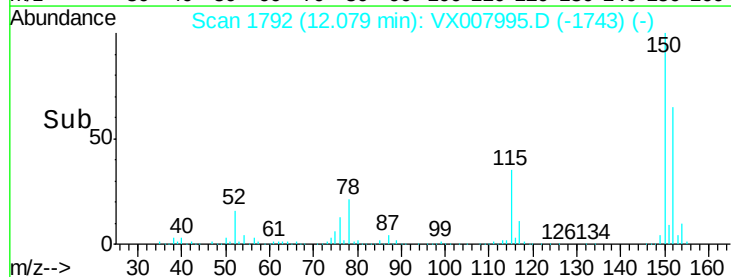
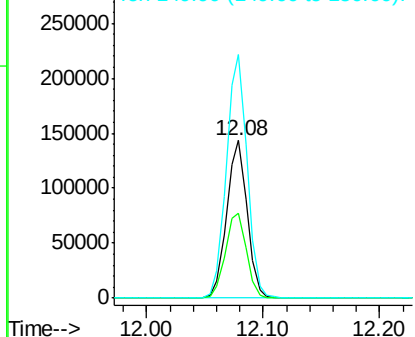


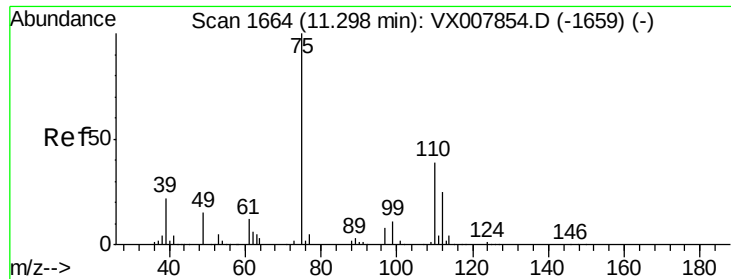
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007995.D
Acq: 12 Mar 2019 05:21

Tgt Ion:152 Resp: 174243
Ion Ratio Lower Upper
152 100
115 55.3 38.6 115.7
150 156.7 0.0 348.4



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: 21.100 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007995.D

Acq: 12 Mar 2019 05:21

Instrument :

MSVOA_X

ClientSampleId :

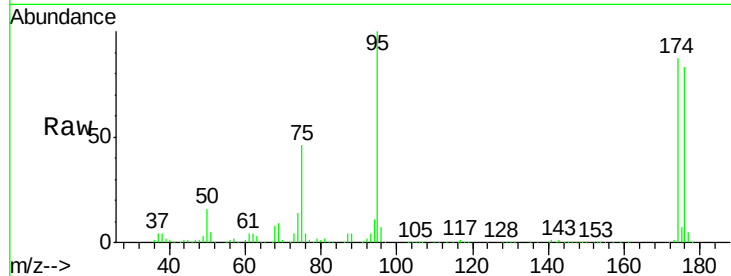
TB-20190305

Tot Ion: 75 Resp: 77150

Ion Ratio Lower Upper

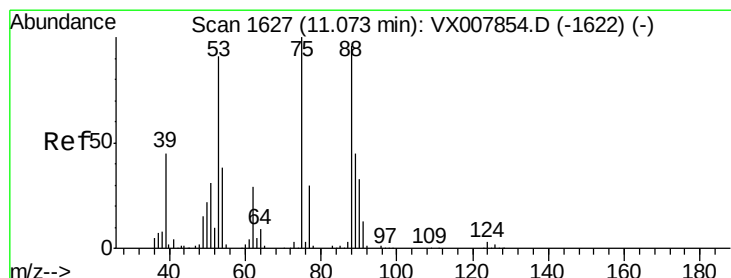
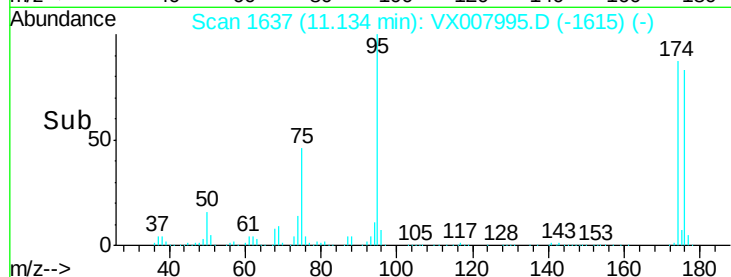
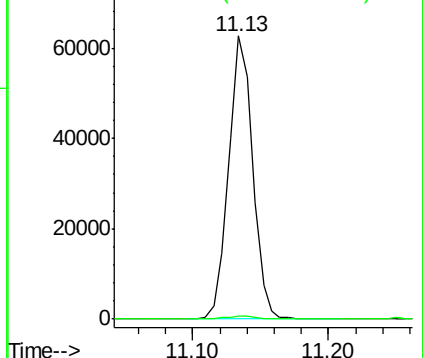
75 100

77 1.3 18.9 56.7#



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: 67.447 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007995.D

Acq: 12 Mar 2019 05:21

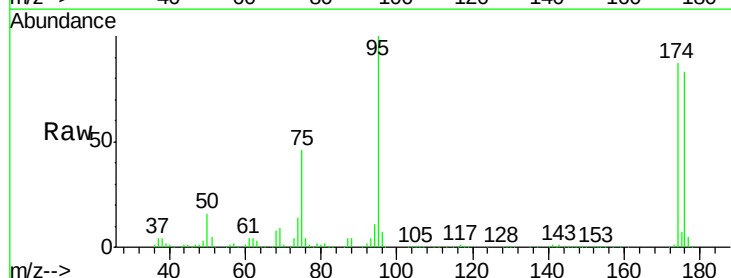
Tgt Ion: 75 Resp: 77150

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#



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

