

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072318\
 Data File : VX003626.D
 Acq On : 24 Jul 2018 02:16
 Operator : JC/SP
 Sample : J4073-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 24 08:54:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	249071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	356811	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	335869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	190421	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	139428	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	
35) Dibromofluoromethane	5.51	113	132412	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
50) Toluene-d8	8.72	98	494088	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	
62) 4-Bromofluorobenzene	11.14	95	170566	45.75	ug/l	0.00
Spiked Amount			Recovery	=	91.50%	

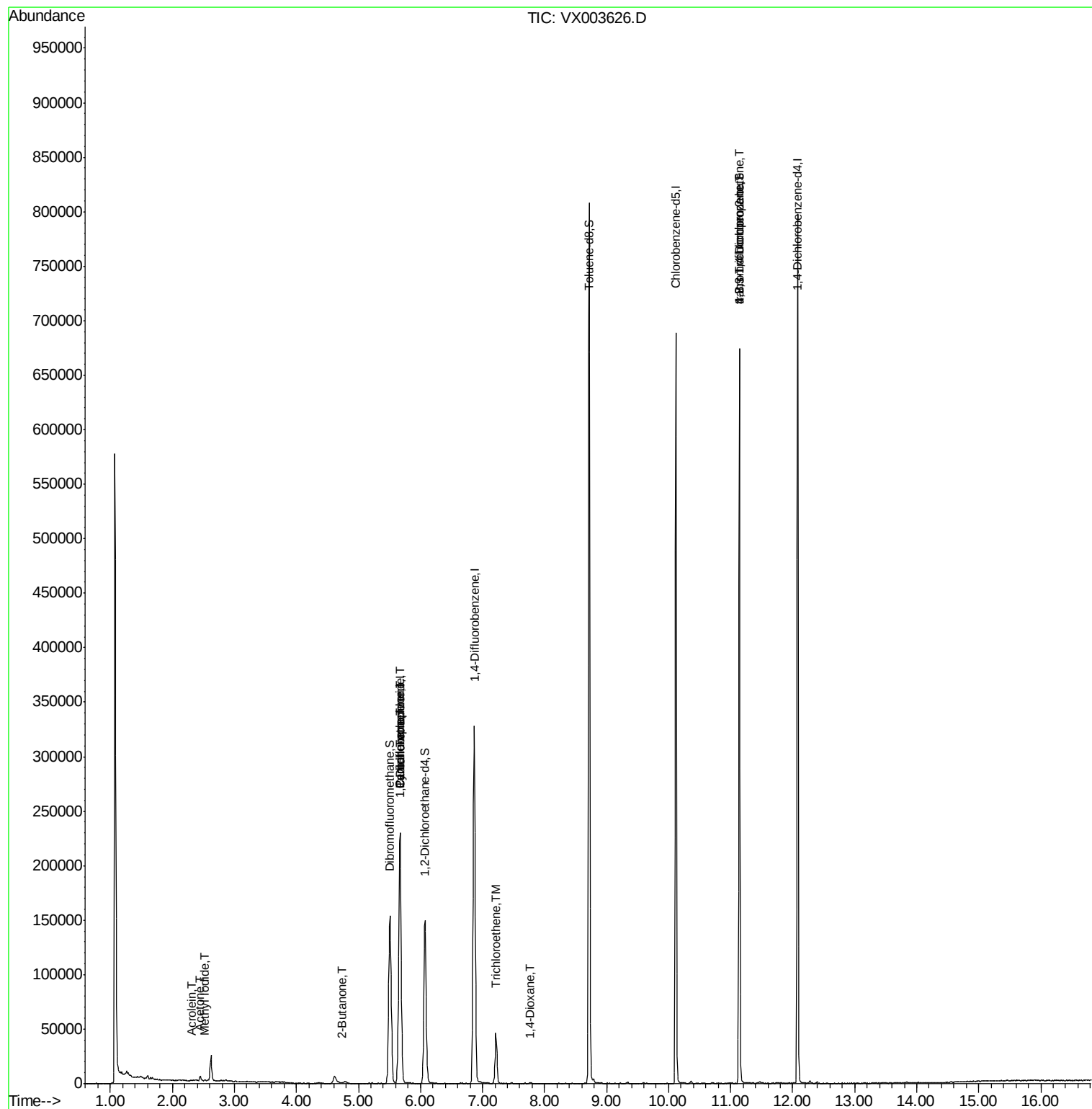
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	528	Below Cal		90
5) Bromomethane	1.65	94	1087	Below Cal	#	81
10) Methyl Iodide	2.52	142	695	0.21	ug/l #	90
13) Acrolein	2.31	56	88	0.33	ug/l #	31
16) Acetone	2.45	43	4755	4.27	ug/l	94
20) Methylene Chloride	2.85	84	342	Below Cal	#	57
25) 2-Butanone	4.73	43	674	0.36	ug/l #	52
31) Cyclohexane	5.67	56	3254	0.73	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14484	3.76	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20501	5.43	ug/l #	16
44) Trichloroethene	7.22	130	19855	5.72	ug/l	94
49) 1,4-Dioxane	7.77	88	478	7.21	ug/l #	93
76) 1,2,3-Trichloropropane	11.14	75	77107	22.54	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	77107	63.35	ug/l #	7

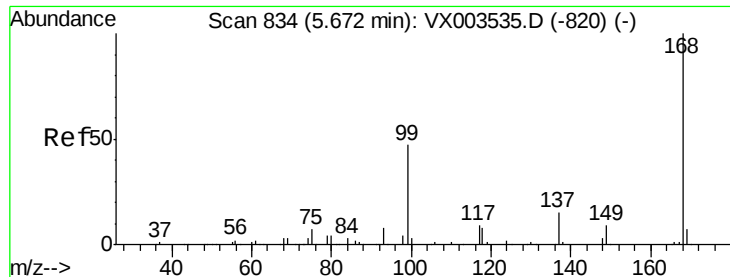
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003626.D

Acq: 24 Jul 2018 02:16

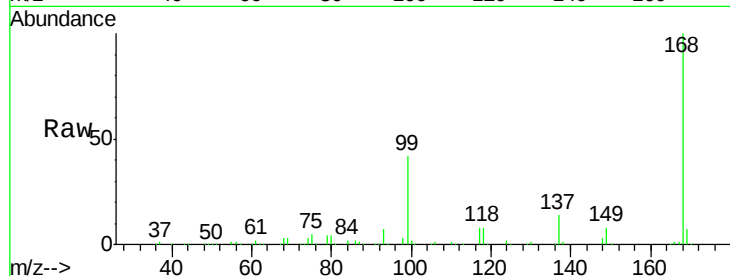
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 249071

Ion Ratio Lower Upper

168 100

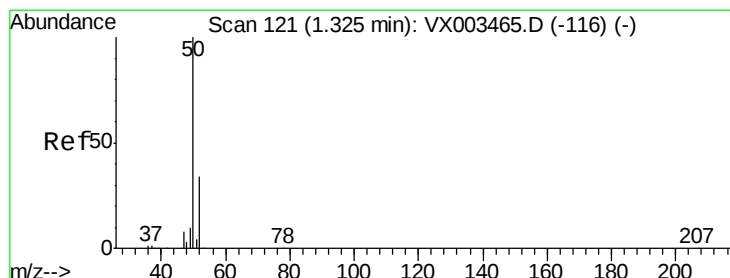
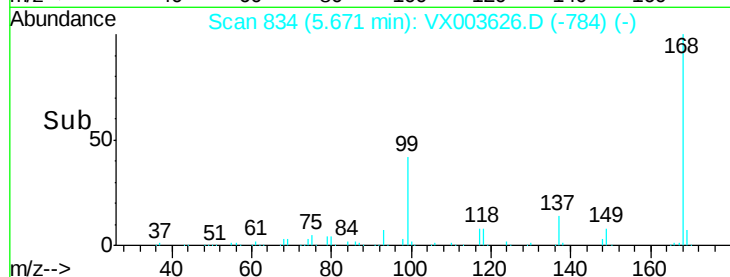
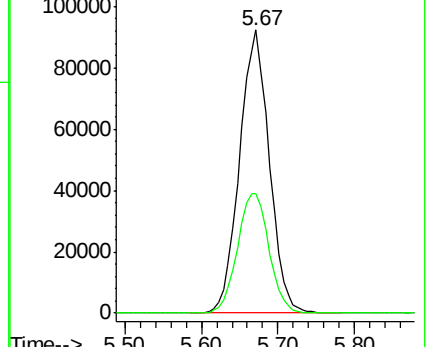
99 42.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX003626.D

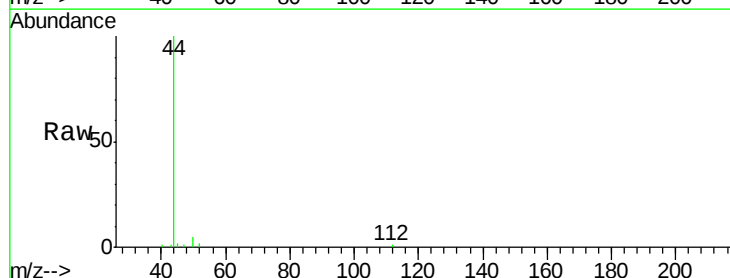
Acq: 24 Jul 2018 02:16

Tgt Ion: 50 Resp: 528

Ion Ratio Lower Upper

50 100

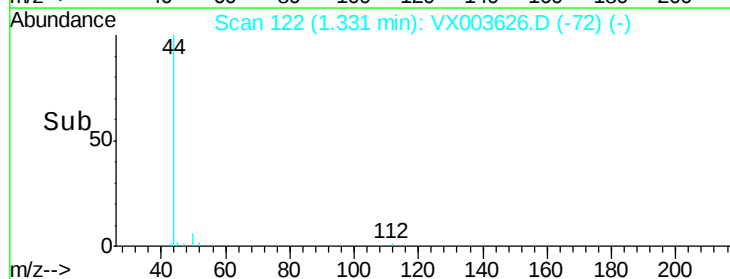
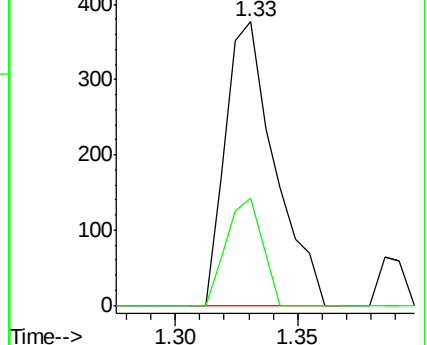
52 37.7 25.7 38.5

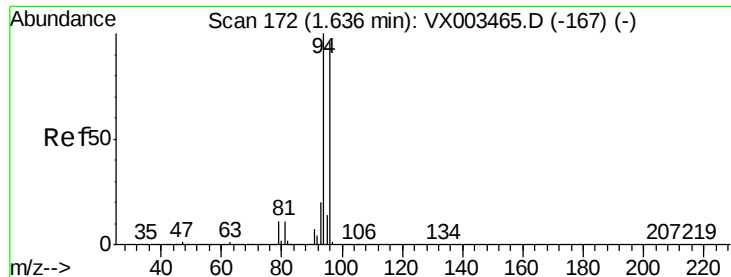


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX003626.D

Acq: 24 Jul 2018 02:16

Instrument :

MSVOA_X

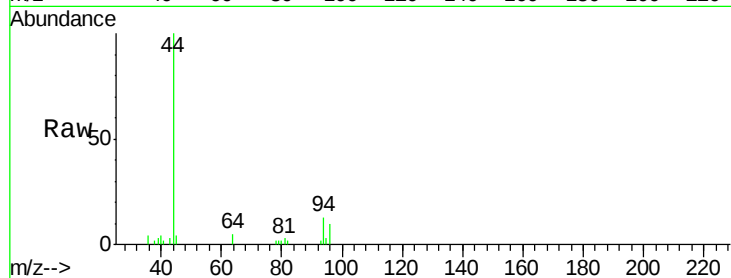
ClientSampleId :

Tot Ion: 94 Resp: 1087

Ion Ratio Lower Upper

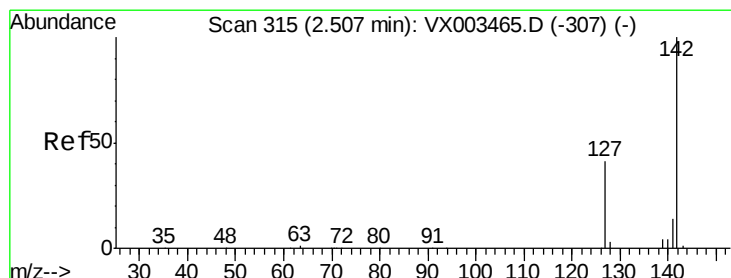
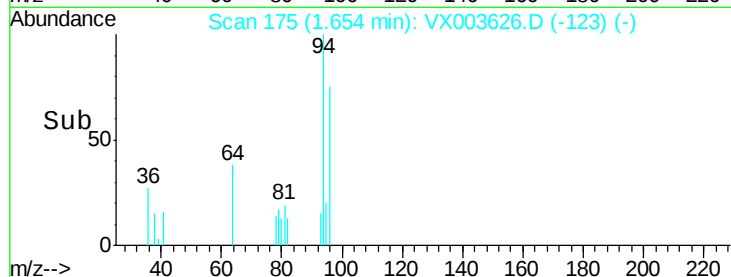
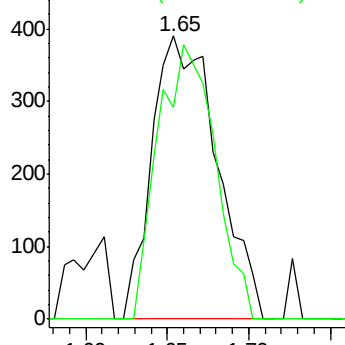
94 100

96 74.9 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.21 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003626.D

Acq: 24 Jul 2018 02:16

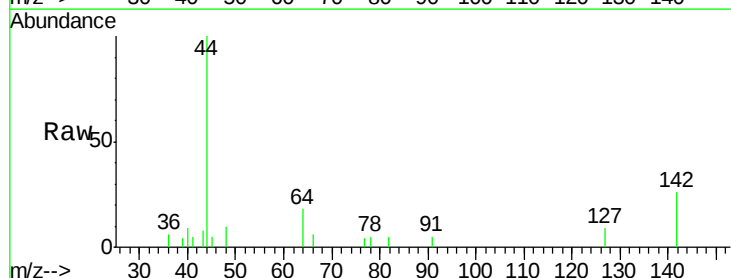
Tgt Ion:142 Resp: 695

Ion Ratio Lower Upper

142 100

127 44.5 36.6 55.0

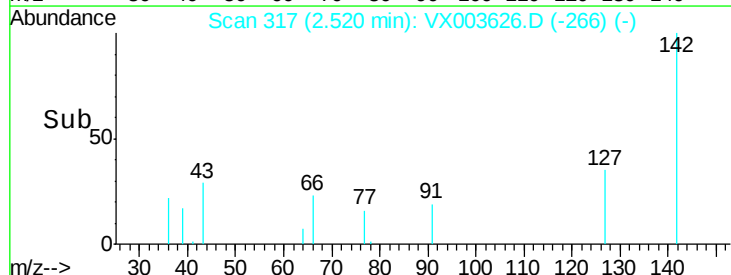
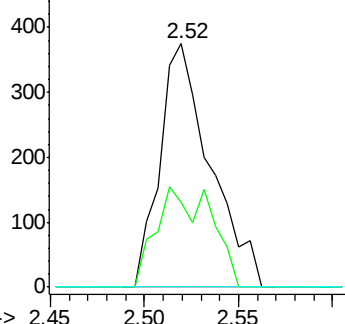
141 0.0 11.3 16.9#

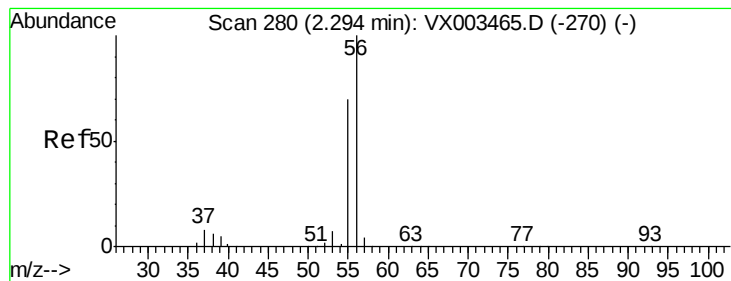


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.33 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX003626.D

Acq: 24 Jul 2018 02:16

Instrument :

MSVOA_X

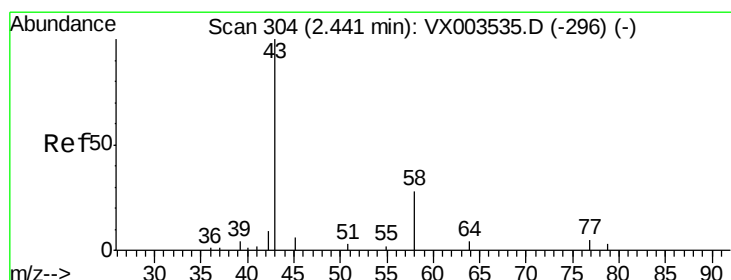
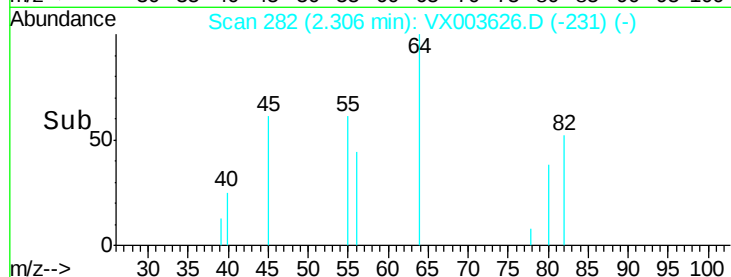
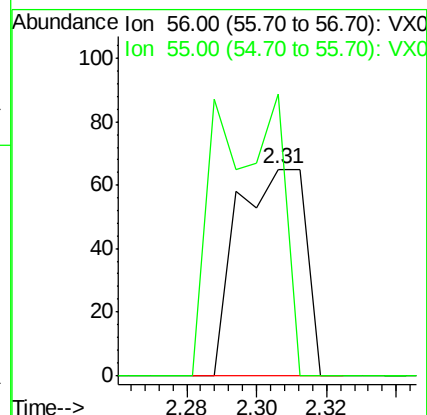
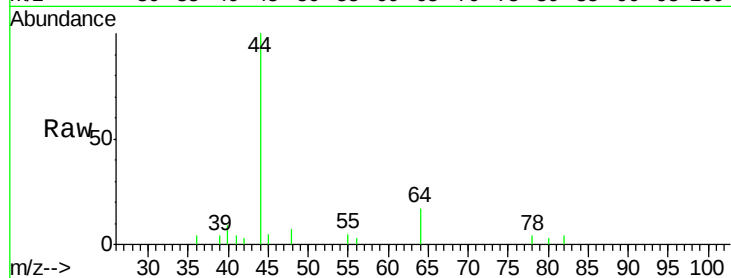
ClientSampled :

Tot Ion: 56 Resp: 88

Ion Ratio Lower Upper

56 100

55 128.4 57.0 85.4#



#16

Acetone

Concen: 4.27 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003626.D

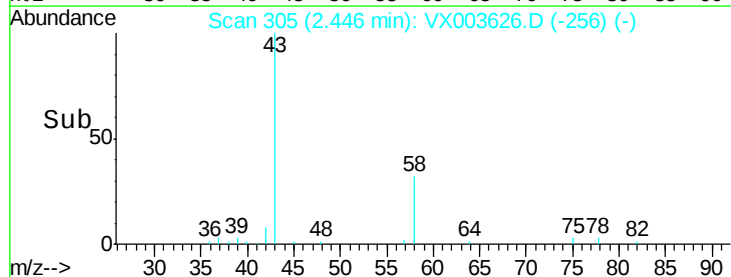
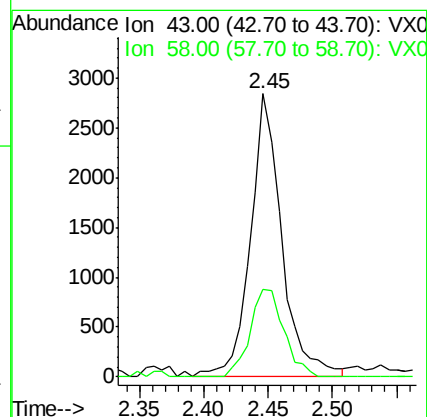
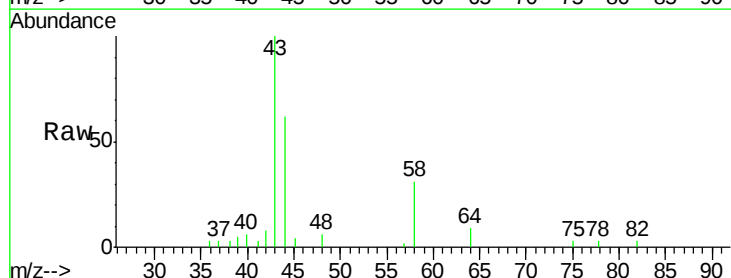
Acq: 24 Jul 2018 02:16

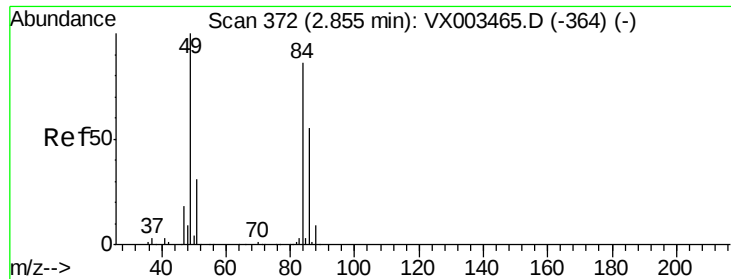
Tgt Ion: 43 Resp: 4755

Ion Ratio Lower Upper

43 100

58 30.8 22.1 33.1

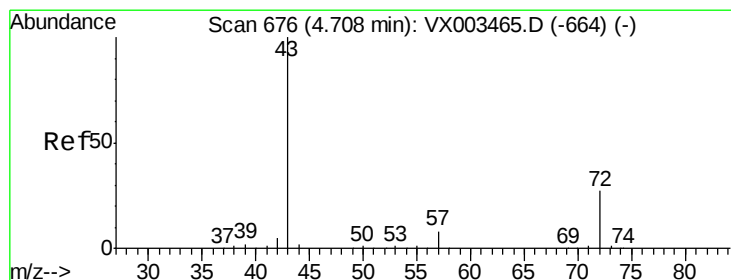
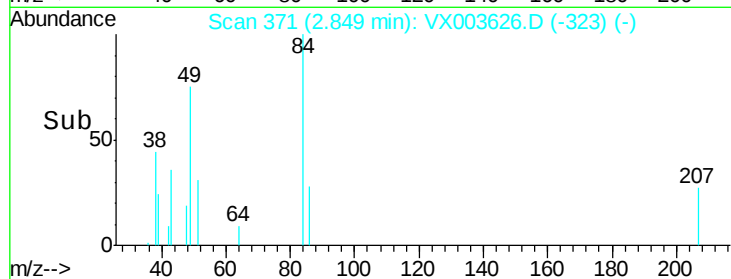
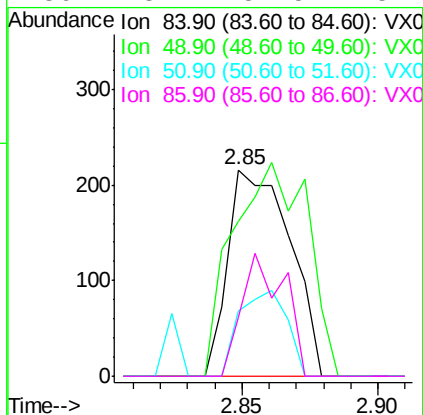
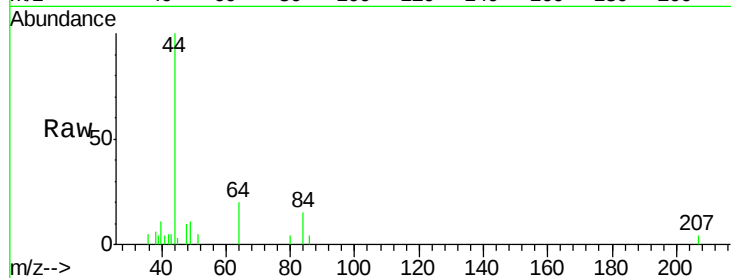




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 371
Delta R.T. -0.01 min
Lab File: VX003626.D
Acq: 24 Jul 2018 02:16

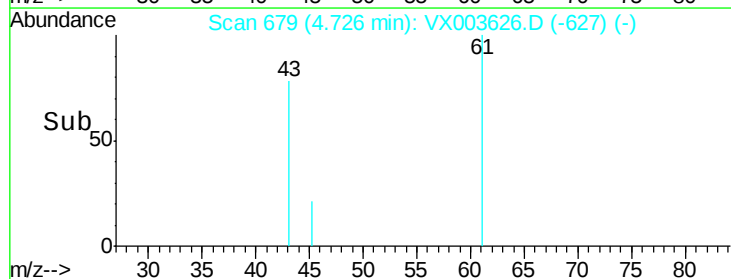
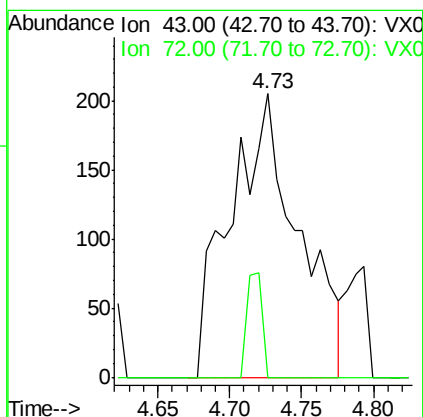
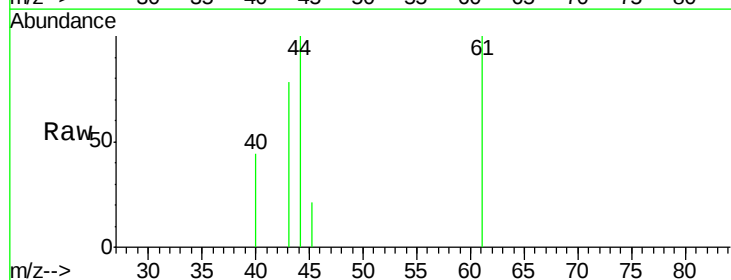
Instrument :
MSVOA_X
ClientSampleId :

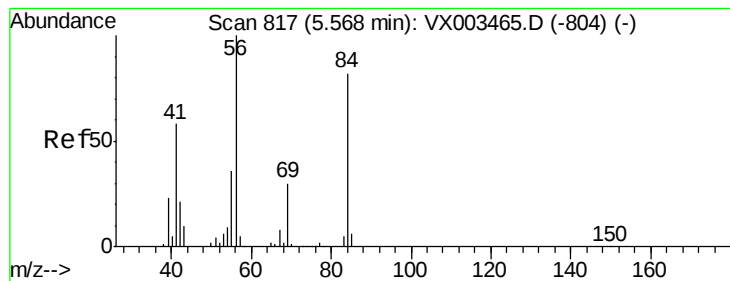
Tot Ion: 84 Resp: 342
Ion Ratio Lower Upper
84 100
49 75.0 107.8 161.6#
51 31.5 32.8 49.2#
86 28.2 52.5 78.7#



#25
2-Butanone
Concen: 0.36 ug/l
RT: 4.73 min Scan# 679
Delta R.T. 0.02 min
Lab File: VX003626.D
Acq: 24 Jul 2018 02:16

Tgt Ion: 43 Resp: 674
Ion Ratio Lower Upper
43 100
72 0.0 18.5 27.7#





#31

Cyclohexane

Concen: 0.73 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.10 min

Lab File: VX003626.D

Acq: 24 Jul 2018 02:16

Instrument :

MSVOA_X

ClientSampleId :

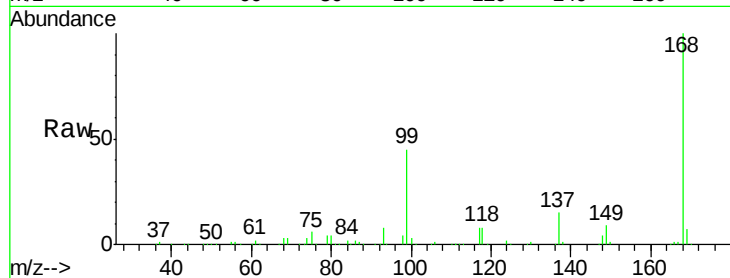
Tot Ion: 56 Resp: 3254

Ion Ratio Lower Upper

56 100

69 201.5 23.7 35.5#

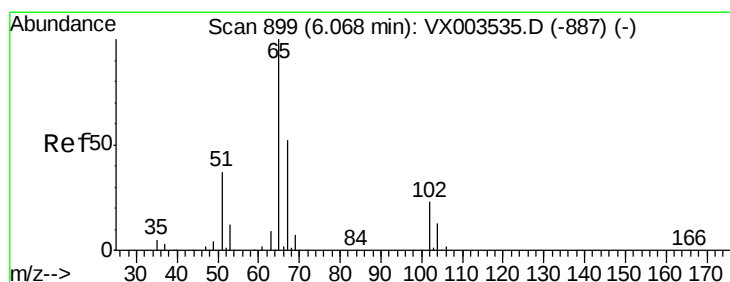
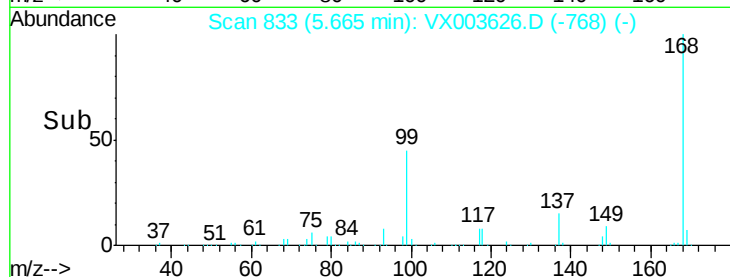
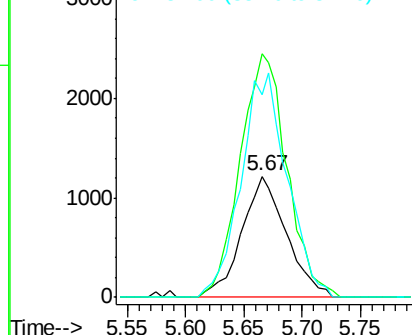
84 173.2 64.1 96.1#



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: 47.29 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003626.D

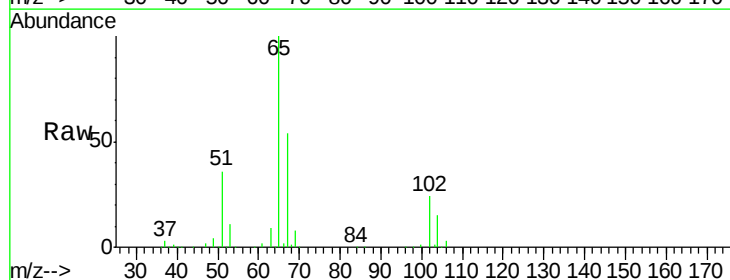
Acq: 24 Jul 2018 02:16

Tgt Ion: 65 Resp: 139428

Ion Ratio Lower Upper

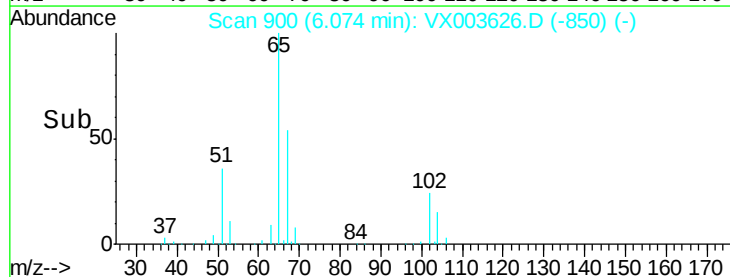
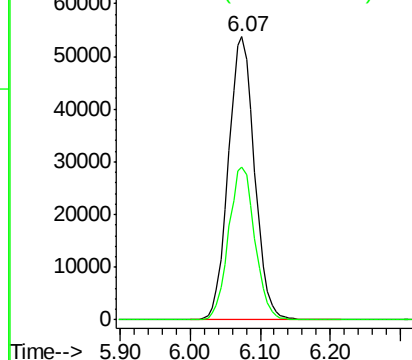
65 100

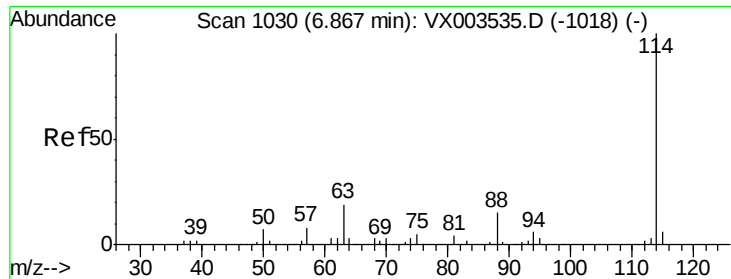
67 54.0 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

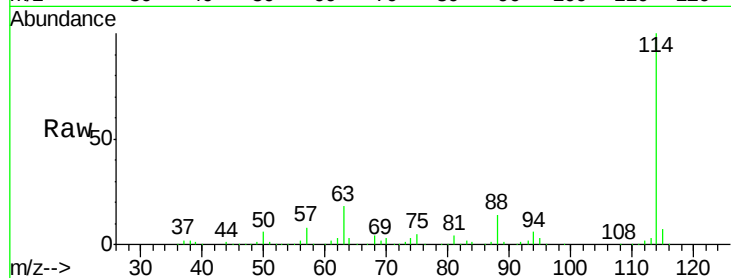




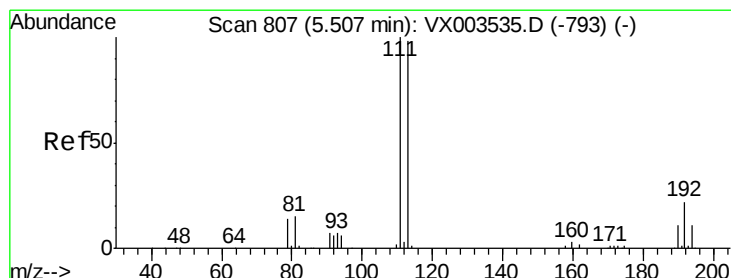
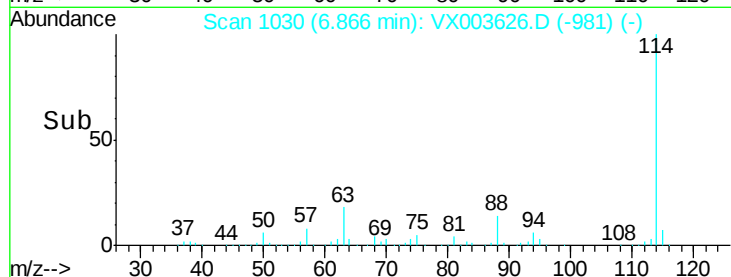
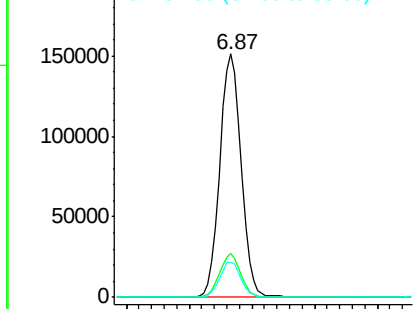
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003626.D
 Acq: 24 Jul 2018 02:16

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 356811
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 41.4
 88 14.5 0.0 30.0

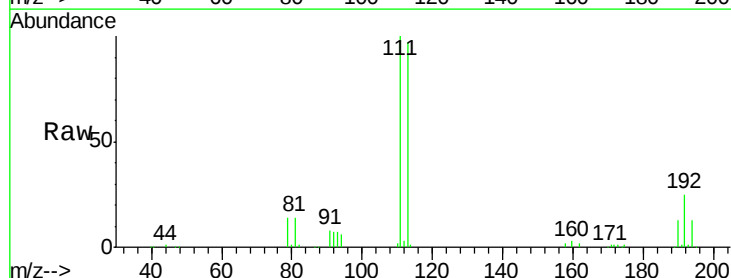


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

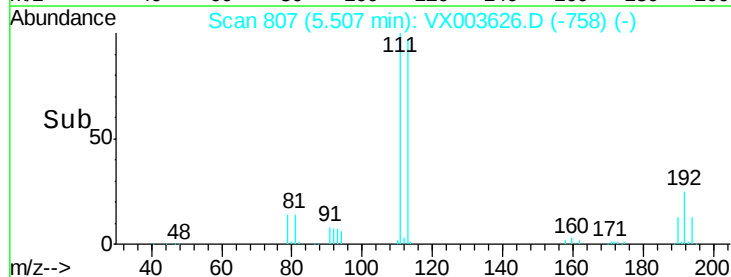
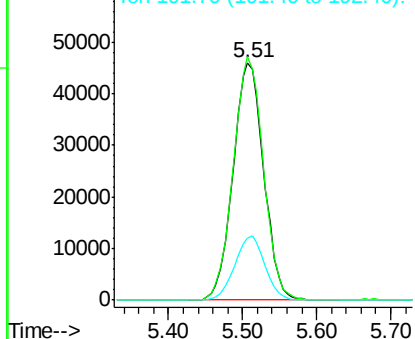


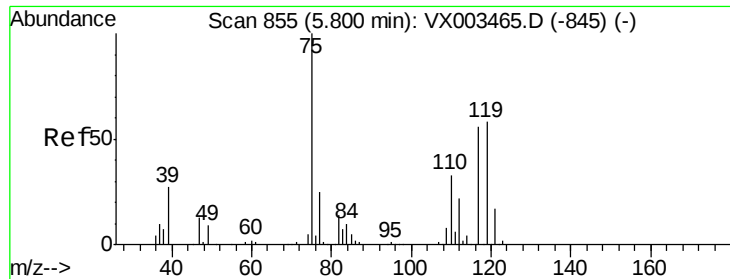
#35
 Dibromofluoromethane
 Concen: 48.72 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003626.D
 Acq: 24 Jul 2018 02:16

Tgt Ion:113 Resp: 132412
 Ion Ratio Lower Upper
 113 100
 111 101.0 81.4 122.0
 192 26.4 19.1 28.7



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: 3.76 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.14 min

Lab File: VX003626.D

Acq: 24 Jul 2018 02:16

Instrument :

MSVOA_X

ClientSampleId :

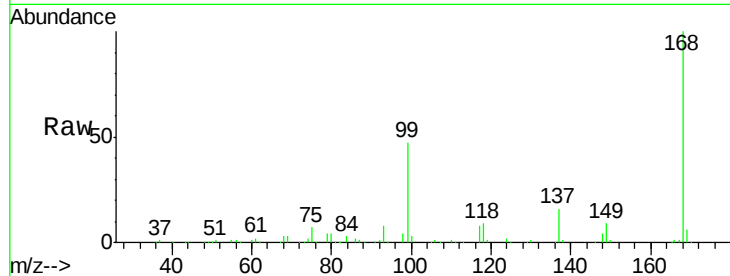
Tot Ion: 75 Resp: 14484

Ion Ratio Lower Upper

75 100

110 8.7 18.1 54.4#

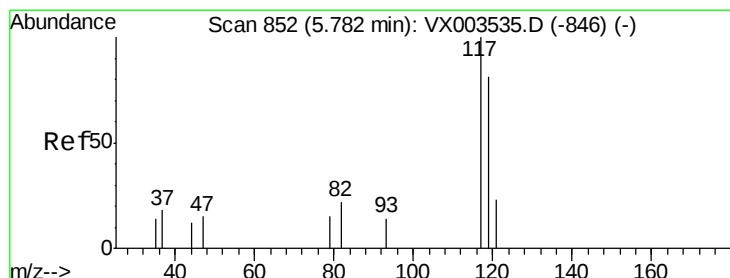
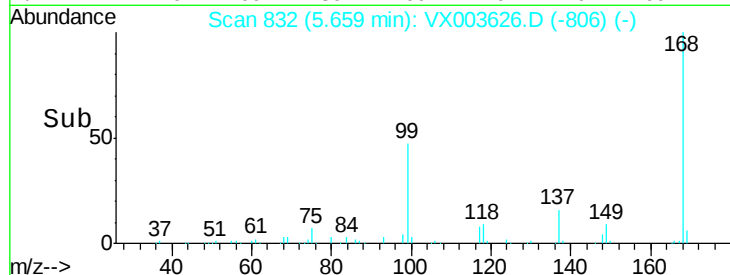
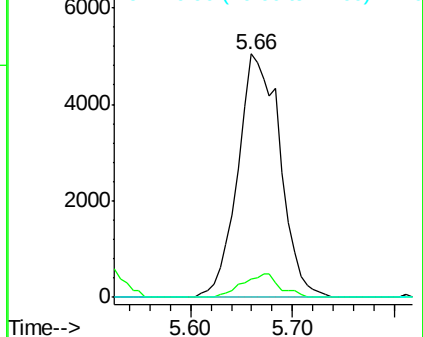
77 0.0 24.3 36.5#



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: 5.43 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.11 min

Lab File: VX003626.D

Acq: 24 Jul 2018 02:16

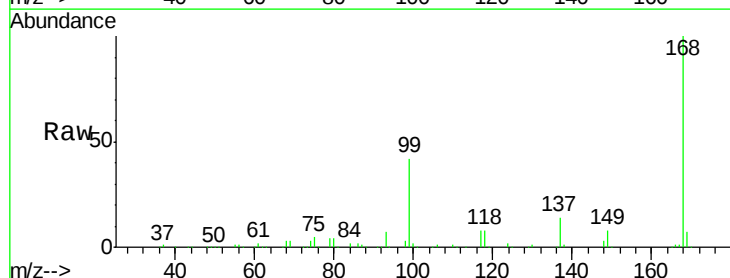
Tgt Ion: 117 Resp: 20501

Ion Ratio Lower Upper

117 100

119 5.9 77.4 116.0#

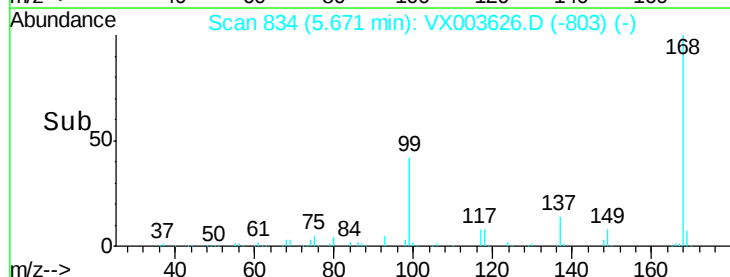
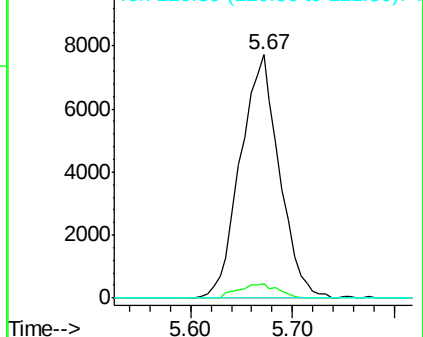
121 0.0 24.4 36.6#

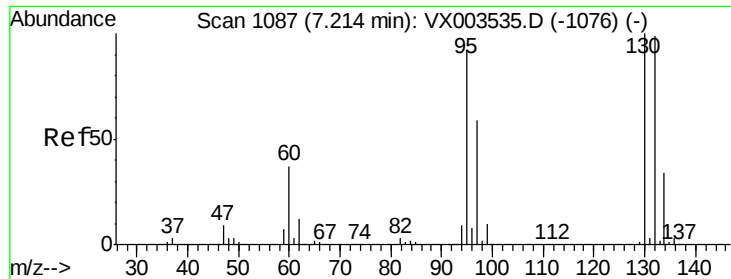


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

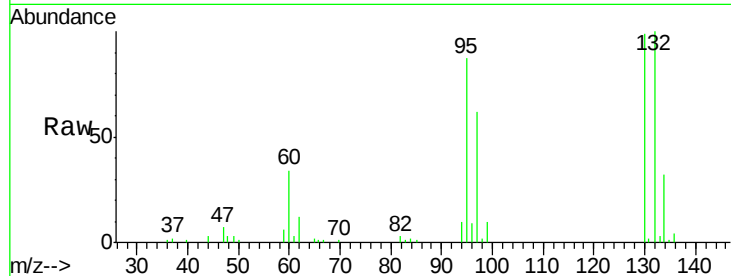




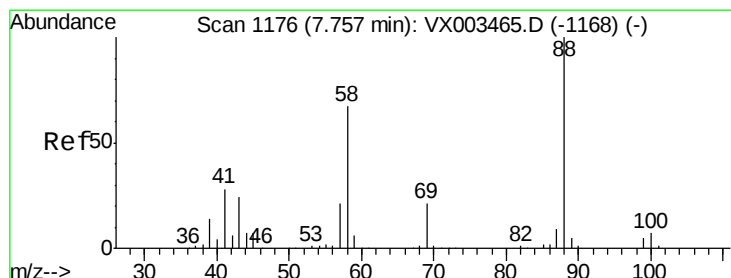
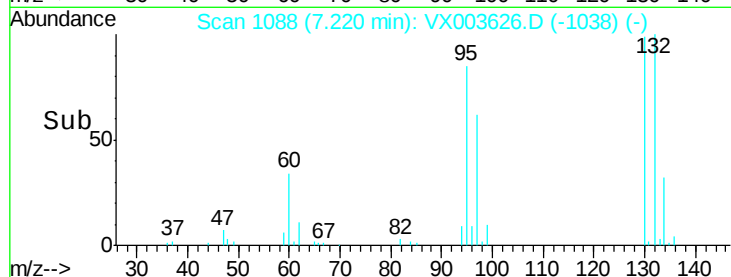
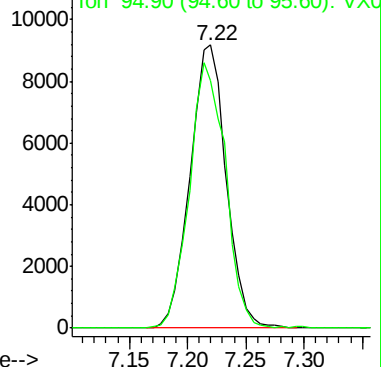
#44
 Trichloroethene
 Concen: 5.72 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX003626.D
 Acq: 24 Jul 2018 02:16

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:130 Resp: 19855
 Ion Ratio Lower Upper
 130 100
 95 87.3 0.0 185.4

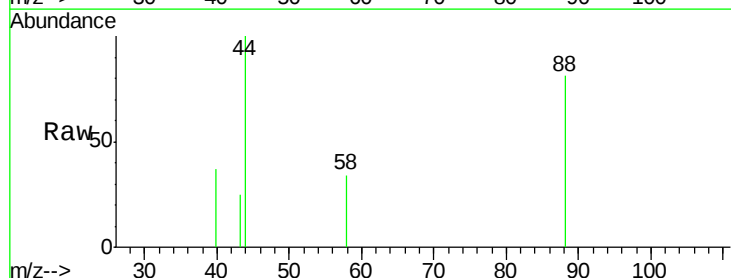


Abundance Ion 129.80 (129.50 to 130.50): V

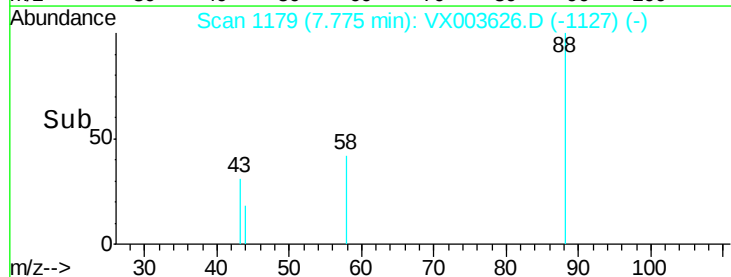
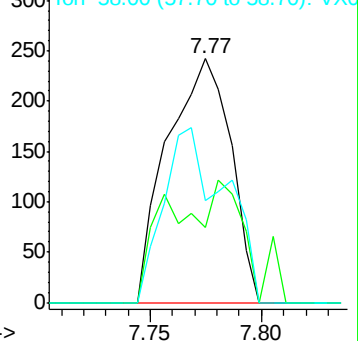


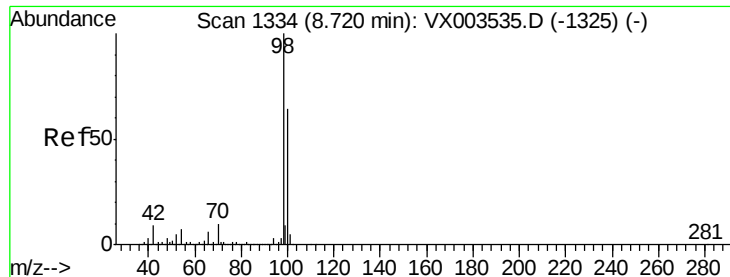
#49
 1,4-Dioxane
 Concen: 7.21 ug/l
 RT: 7.77 min Scan# 1179
 Delta R.T. 0.02 min
 Lab File: VX003626.D
 Acq: 24 Jul 2018 02:16

Tgt Ion: 88 Resp: 478
 Ion Ratio Lower Upper
 88 100
 43 28.0 29.8 44.6#
 58 69.7 57.1 85.7



Abundance Ion 88.00 (87.70 to 88.70): VX0





#50

Toluene-d8

Concen: 48.37 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003626.D

Acq: 24 Jul 2018 02:16

Instrument :

MSVOA_X

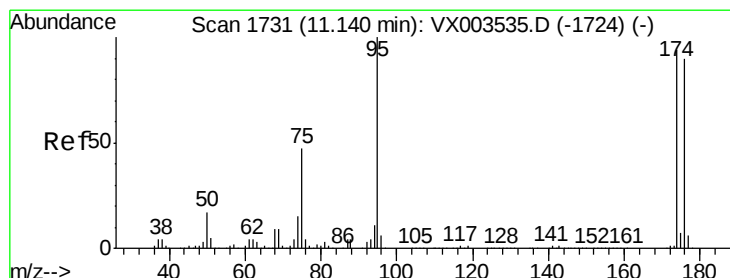
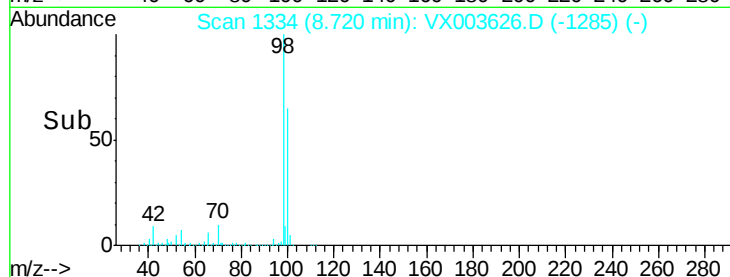
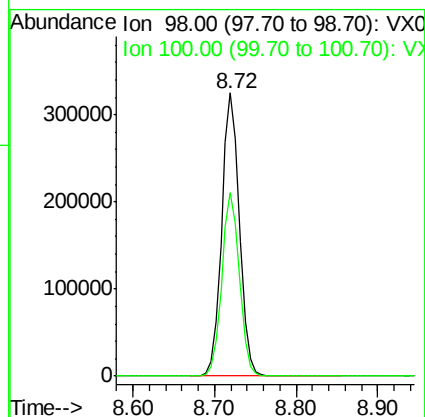
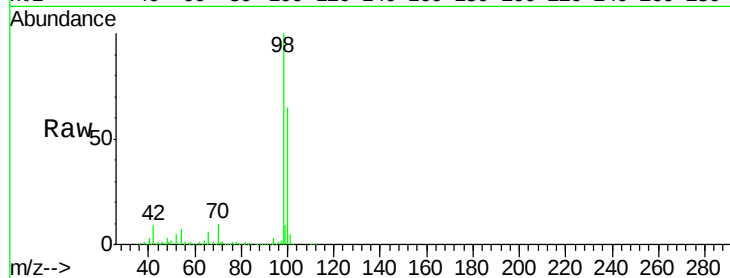
ClientSampleId :

Tot Ion: 98 Resp: 494088

Ion Ratio Lower Upper

98 100

100 64.4 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 45.75 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003626.D

Acq: 24 Jul 2018 02:16

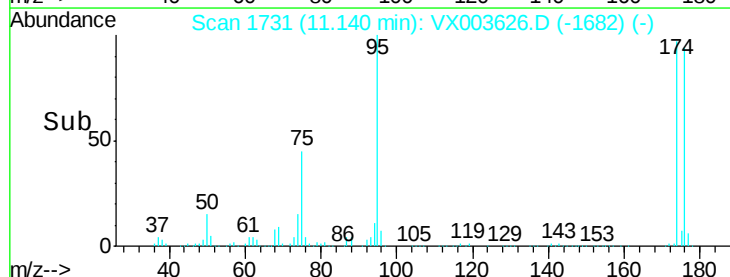
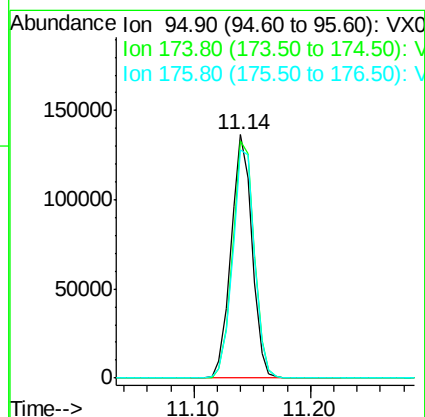
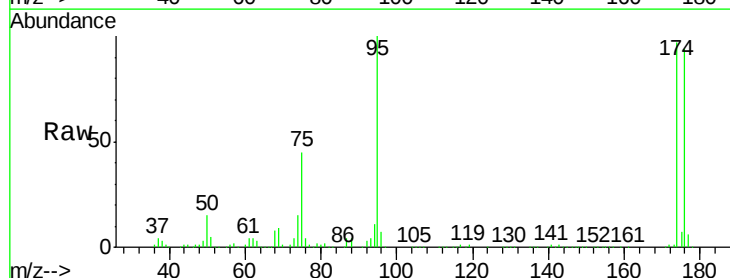
Tgt Ion: 95 Resp: 170566

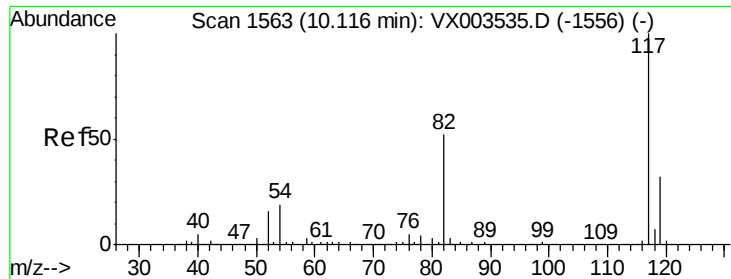
Ion Ratio Lower Upper

95 100

174 101.4 0.0 187.4

176 97.9 0.0 181.0

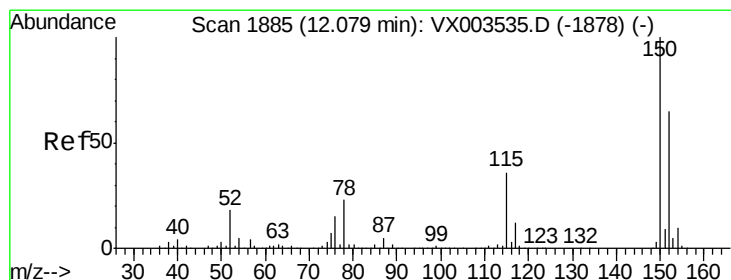
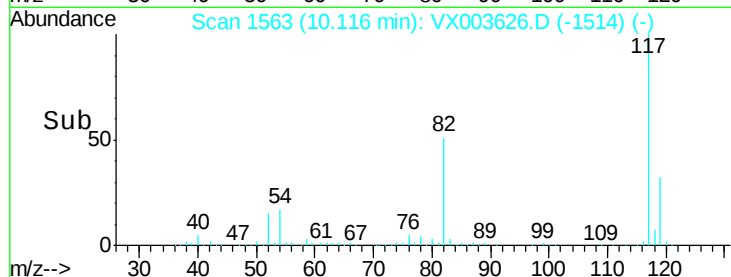
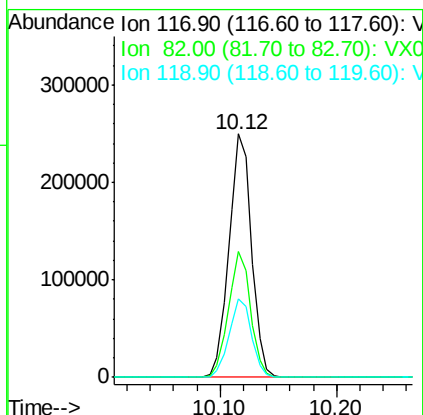
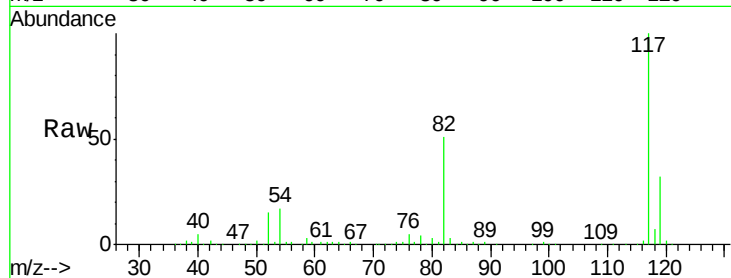




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003626.D
Acq: 24 Jul 2018 02:16

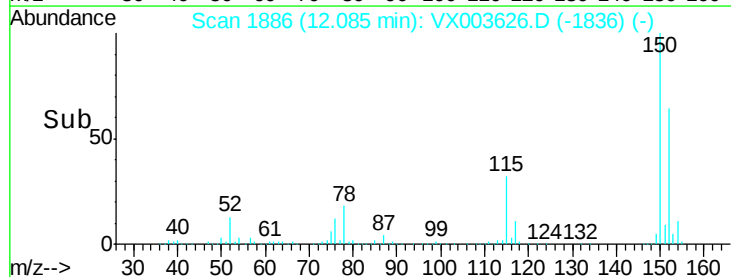
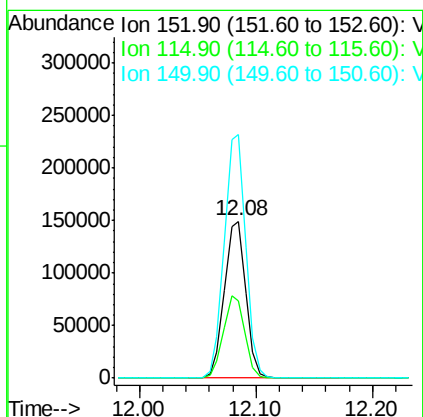
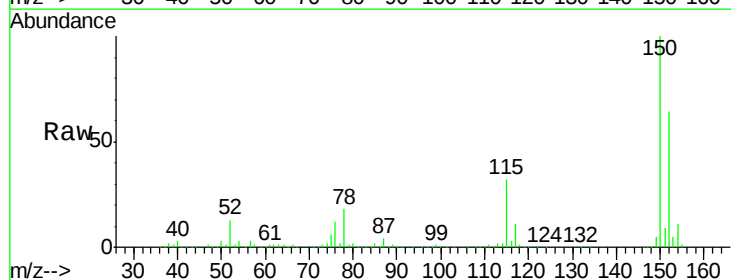
Instrument :
MSVOA_X
ClientSampleId :

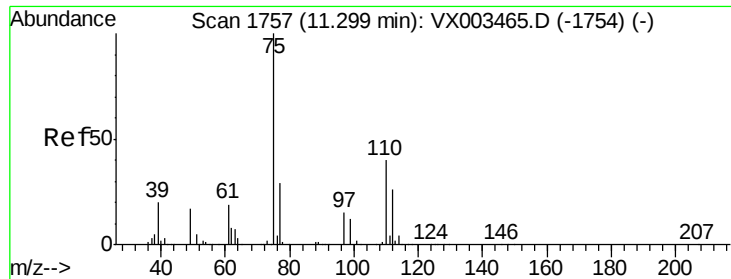
Tot Ion:117 Resp: 335869
Ion Ratio Lower Upper
117 100
82 51.5 45.0 67.4
119 32.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VX003626.D
Acq: 24 Jul 2018 02:16

Tgt Ion:152 Resp: 190421
Ion Ratio Lower Upper
152 100
115 52.0 40.1 120.2
150 155.8 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 22.54 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003626.D

Acq: 24 Jul 2018 02:16

Instrument :

MSVOA_X

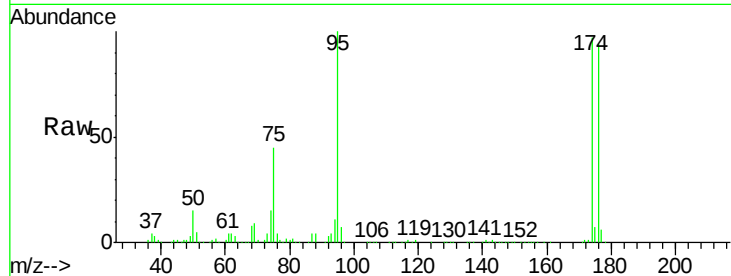
ClientSampleId :

Tot Ion: 75 Resp: 77107

Ion Ratio Lower Upper

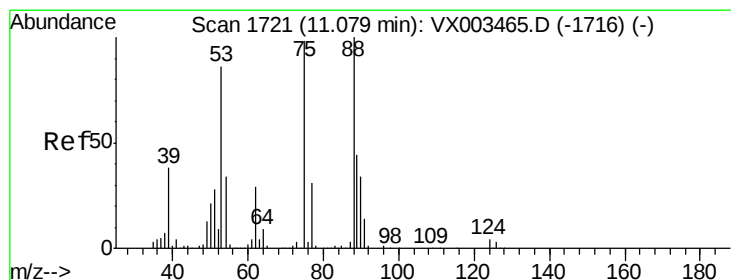
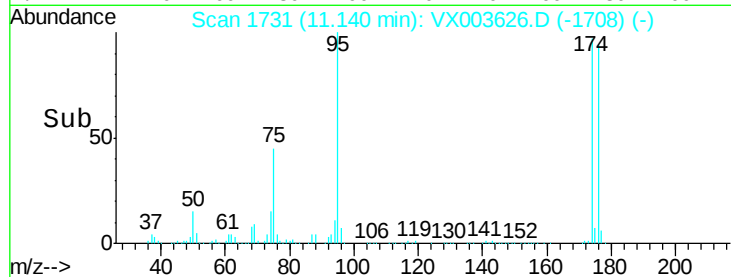
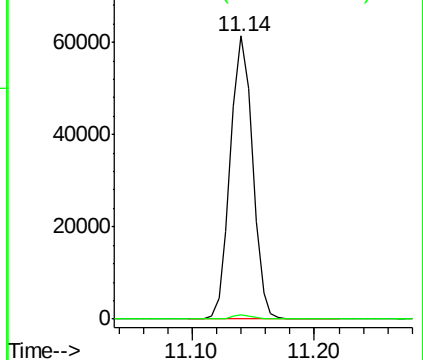
75 100

77 1.4 22.8 68.3#



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: 63.35 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003626.D

Acq: 24 Jul 2018 02:16

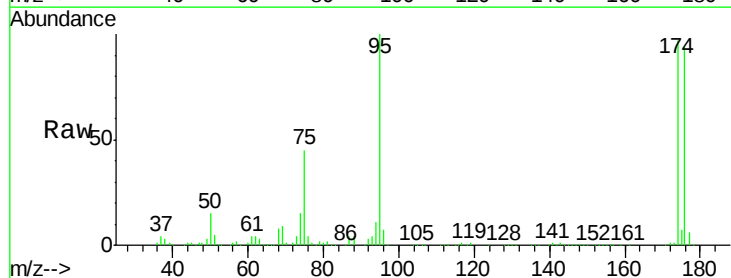
Tgt Ion: 75 Resp: 77107

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#



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

