

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050418\
 Data File : VX001393.D
 Acq On : 04 May 2018 13:02
 Operator : JC/MD
 Sample : VX0504WBL01624
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504WBL01

Quant Time: May 05 05:39:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X043018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 01 09:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	31139	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	170478	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	151741	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	67452	30.03	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.10%
60) 4-Bromofluorobenzene	11.14	95	66123	26.01	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	86.70%
63) Toluene-d8	8.72	98	191146	29.37	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.90%

Target Compounds

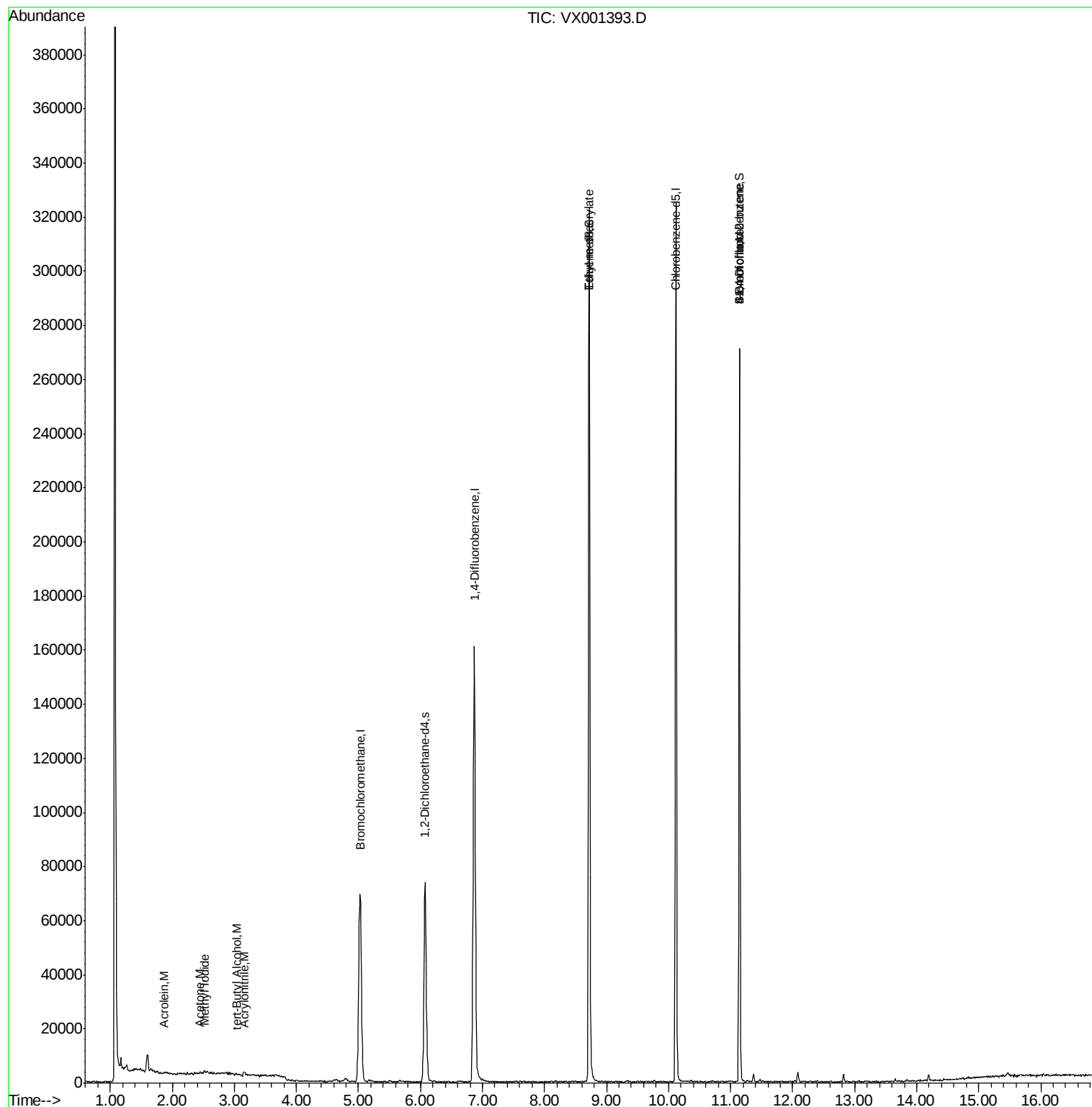
						Qvalue
11) Methyl Iodide	2.52	142	1104	0.53	ug/l	83
13) Acrolein	1.86	56	86	0.32	ug/l	84
14) Acrylonitrile	3.15	53	243	0.27	ug/l #	49
15) Acetone	2.45	58	140	0.50	ug/l #	31
23) tert-Butyl Alcohol	3.04	59	156	0.43	ug/l #	80
51) Ethyl methacrylate	8.73	69	648	0.23	ug/l	76
56) Bromoform	11.15	173	958	0.53	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.14	75	32963	44.47	ug/l #	11

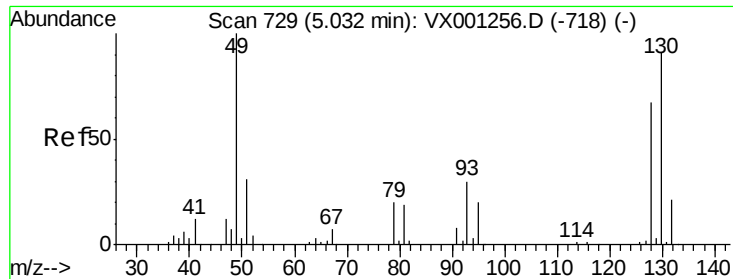
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X043018W.M
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QLast Update : Tue May 01 09:17:40 2018
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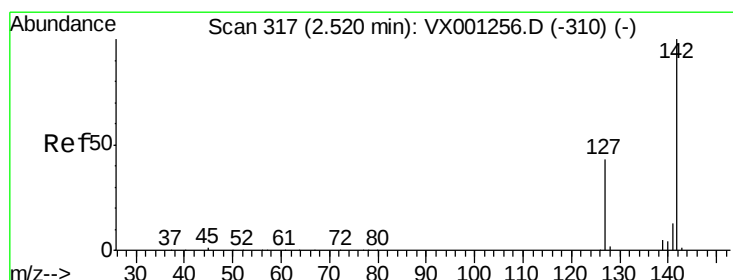
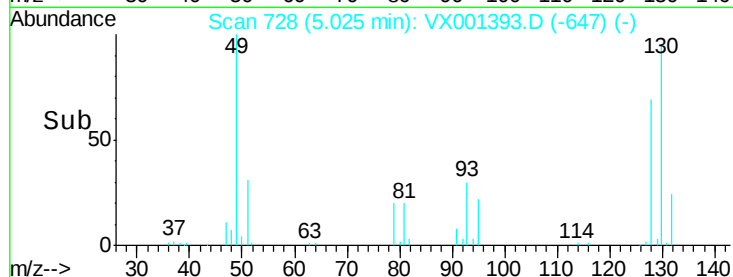
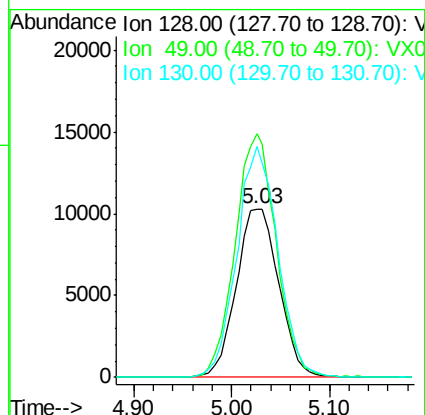
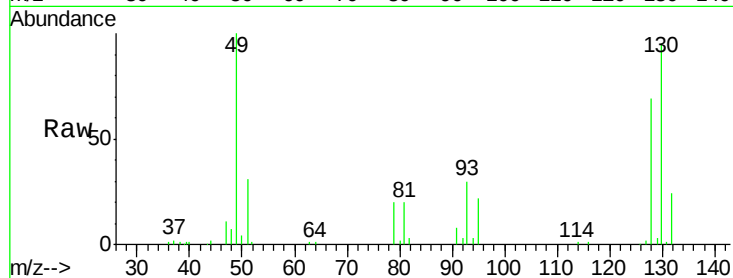




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.01 min
Lab File: VX001393.D
Acq: 04 May 2018 13:02

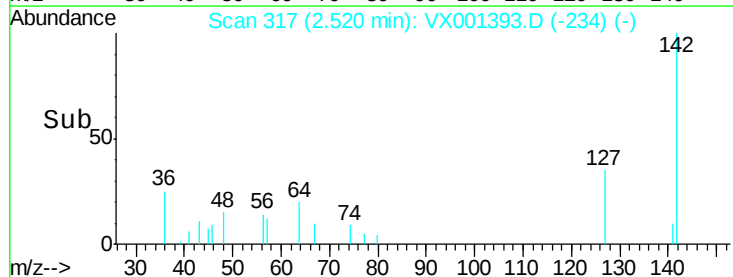
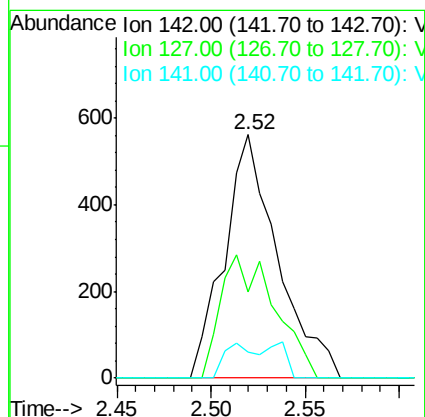
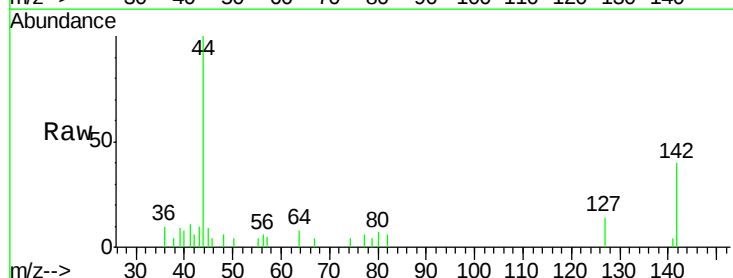
Instrument :
MSVOA_X
ClientSampleId :
VX0504WBL01

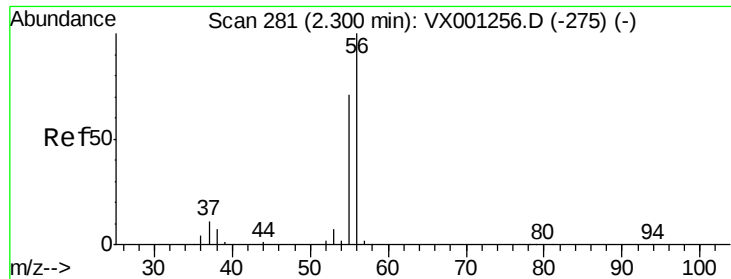
Tgt Ion:128 Resp: 31139
Ion Ratio Lower Upper
128 100
49 139.2 0.0 378.3
130 131.8 0.0 324.3



#11
Methyl Iodide
Concen: 0.53 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001393.D
Acq: 04 May 2018 13:02

Tgt Ion:142 Resp: 1104
Ion Ratio Lower Upper
142 100
127 35.2 23.8 71.5
141 10.5 8.2 24.4





#13

Acrolein

Concen: 0.32 ug/l

RT: 1.86 min Scan# 208

Delta R.T. -0.44 min

Lab File: VX001393.D

Acq: 04 May 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

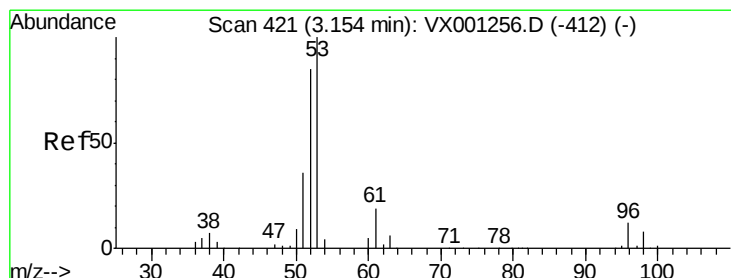
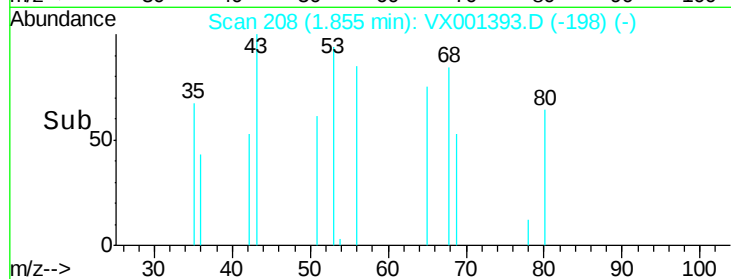
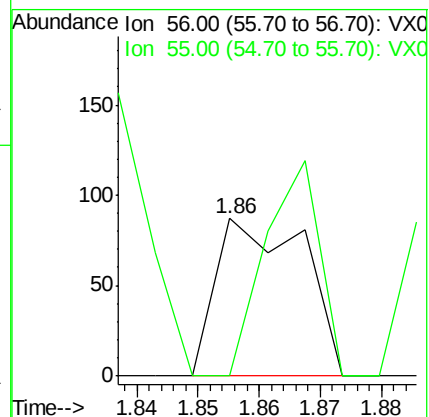
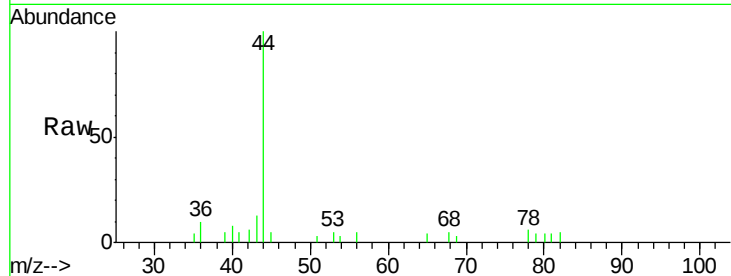
VX0504WBL01

Tgt Ion: 56 Resp: 86

Ion Ratio Lower Upper

56 100

55 84.9 57.3 85.9



#14

Acrylonitrile

Concen: 0.27 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001393.D

Acq: 04 May 2018 13:02

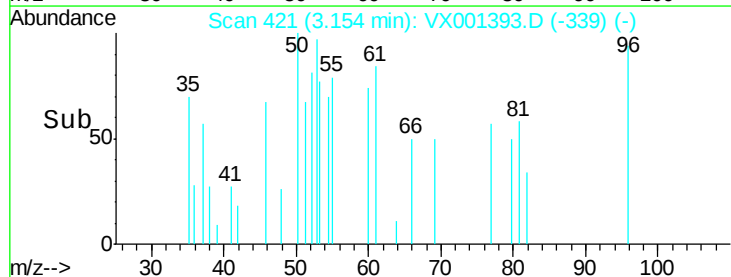
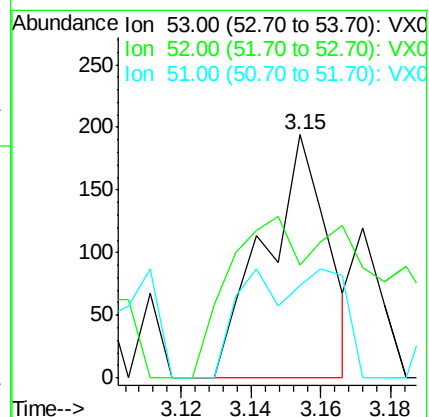
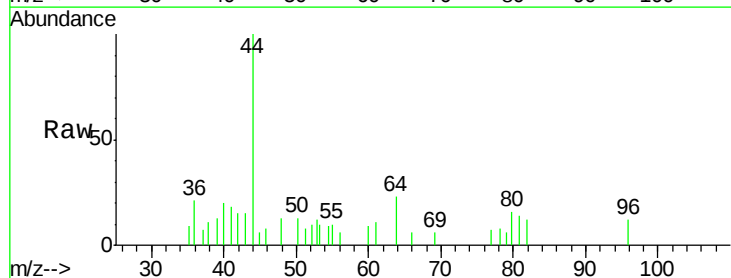
Tgt Ion: 53 Resp: 243

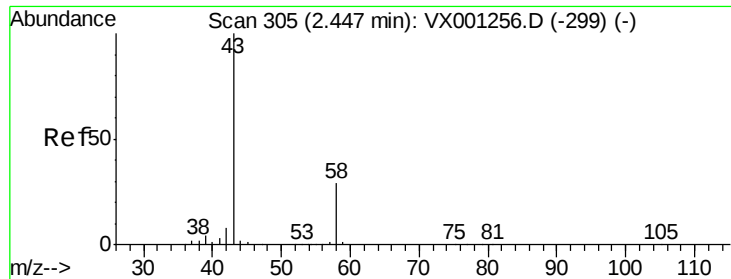
Ion Ratio Lower Upper

53 100

52 18.1 41.9 125.8#

51 36.6 18.8 56.3





#15

Acetone

Concen: 0.50 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001393.D

Acq: 04 May 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

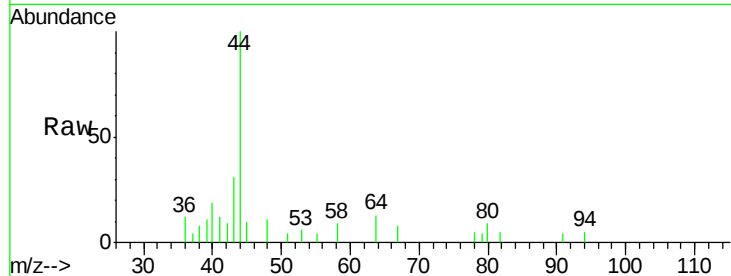
VX0504WBL01

Tgt Ion: 58 Resp: 140

Ion Ratio Lower Upper

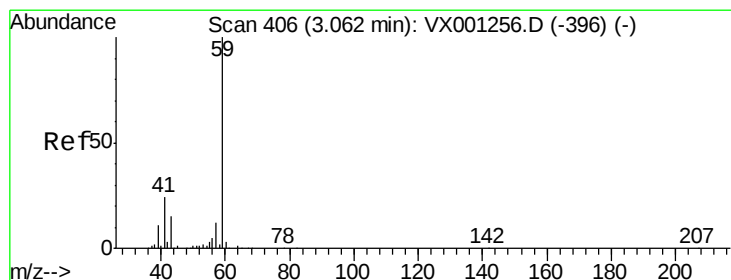
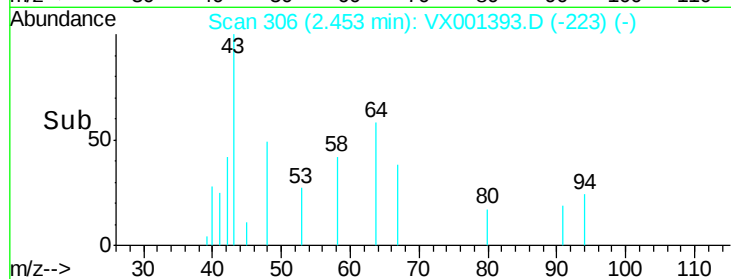
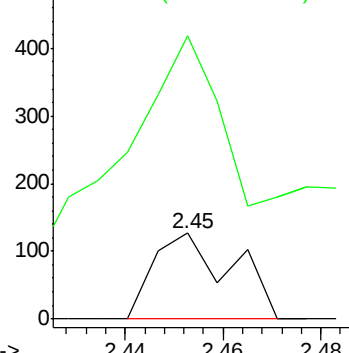
58 100

43 186.6 264.6 396.8#



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#23

tert-Butyl Alcohol

Concen: 0.43 ug/l

RT: 3.04 min Scan# 402

Delta R.T. -0.04 min

Lab File: VX001393.D

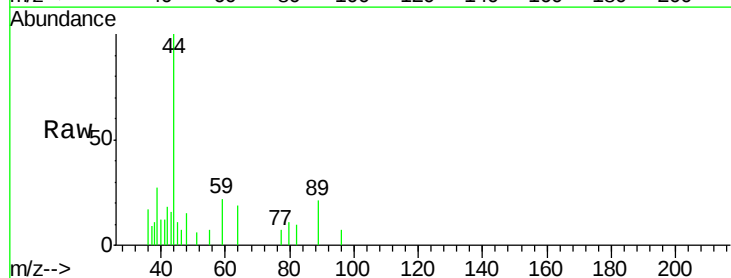
Acq: 04 May 2018 13:02

Tgt Ion: 59 Resp: 156

Ion Ratio Lower Upper

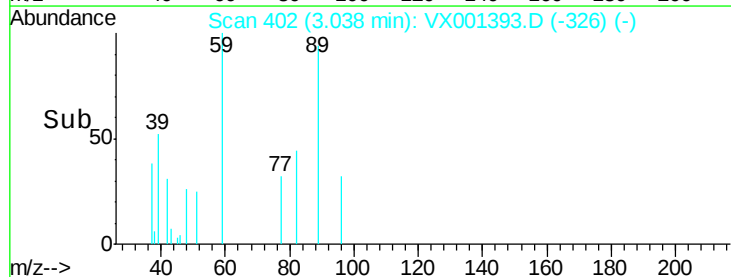
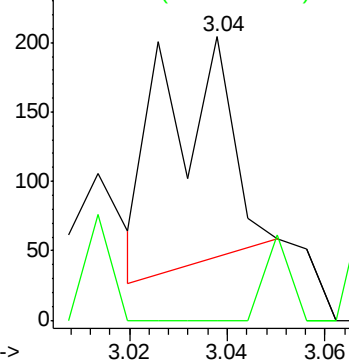
59 100

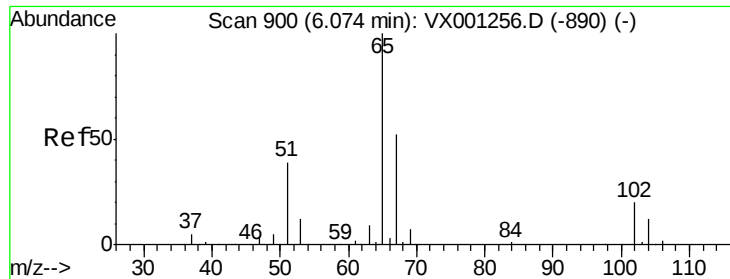
52 47.4 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

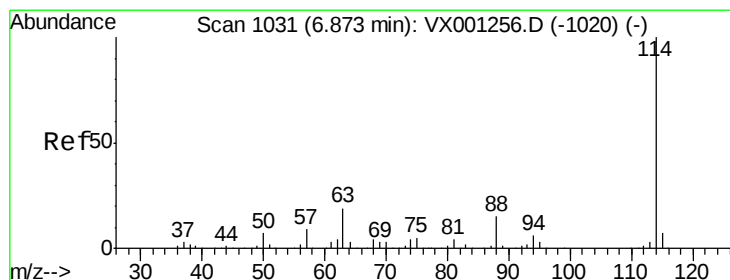
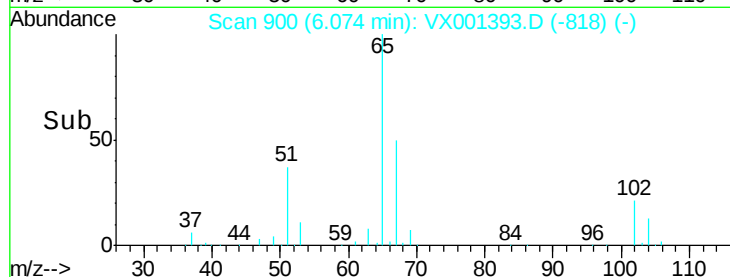
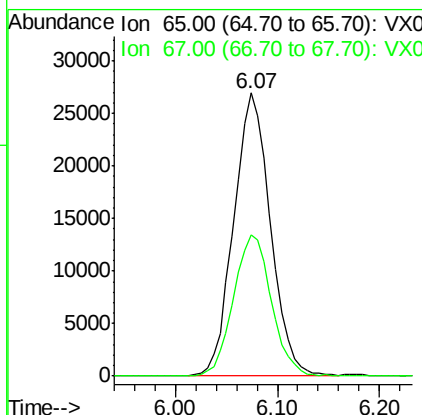
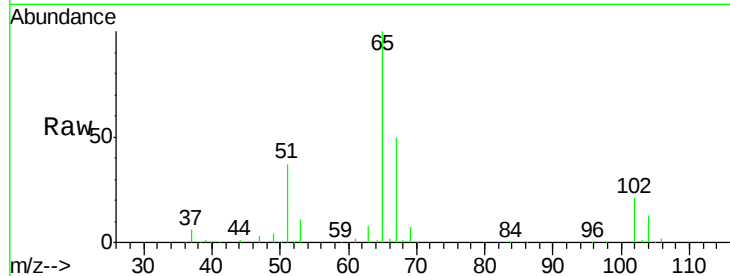




#27
 1,2-Dichloroethane-d4
 Concen: 30.03 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001393.D
 Acq: 04 May 2018 13:02

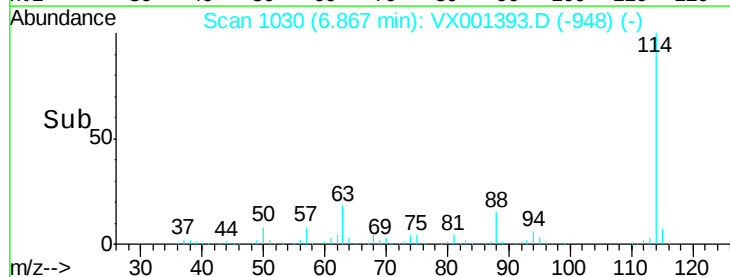
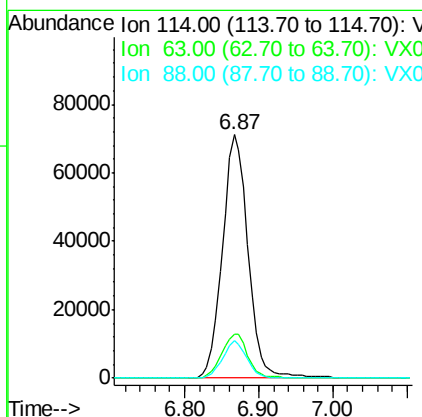
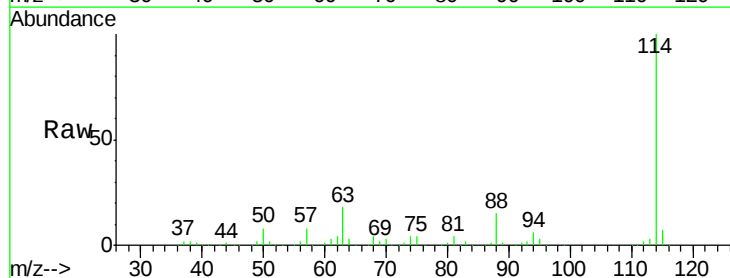
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504WBL01

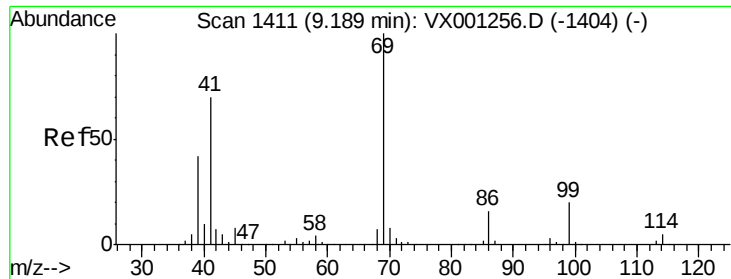
Tgt Ion: 65 Resp: 67452
 Ion Ratio Lower Upper
 65 100
 67 51.3 41.4 62.2



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001393.D
 Acq: 04 May 2018 13:02

Tgt Ion: 114 Resp: 170478
 Ion Ratio Lower Upper
 114 100
 63 18.1 15.0 22.4
 88 14.4 11.8 17.8

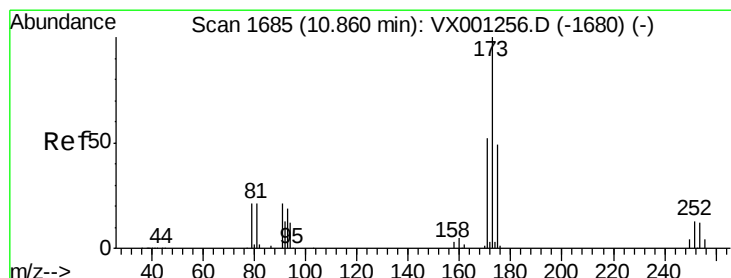
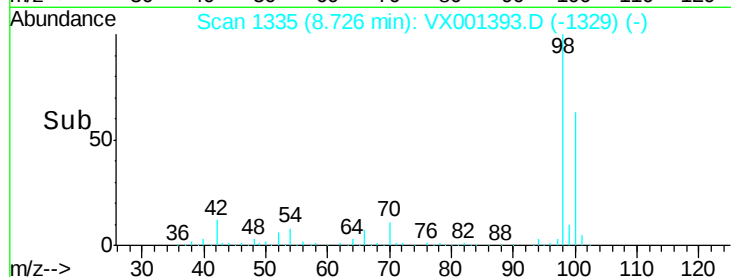
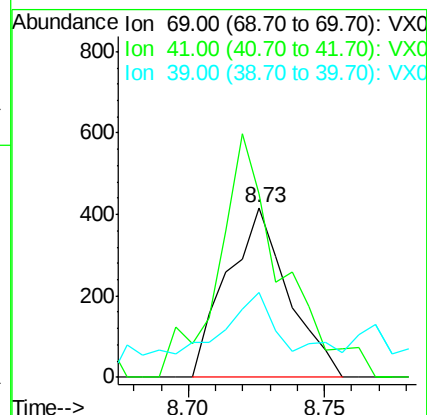
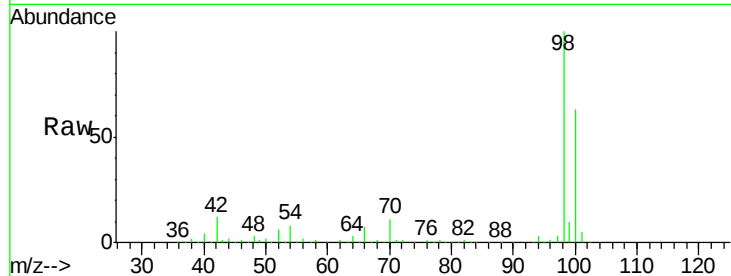




#51
Ethyl methacrylate
Concen: 0.23 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.46 min
Lab File: VX001393.D
Acq: 04 May 2018 13:02

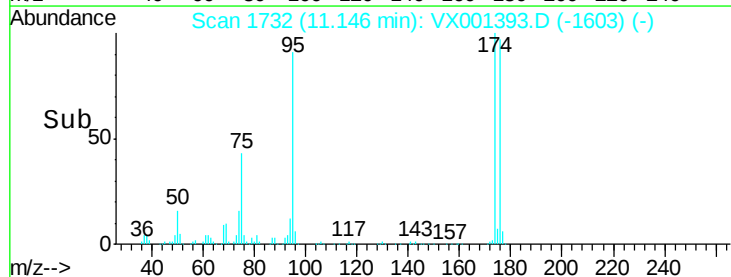
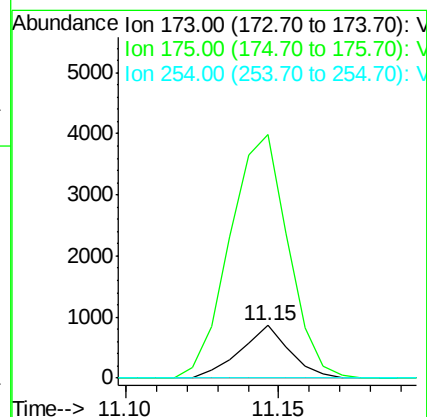
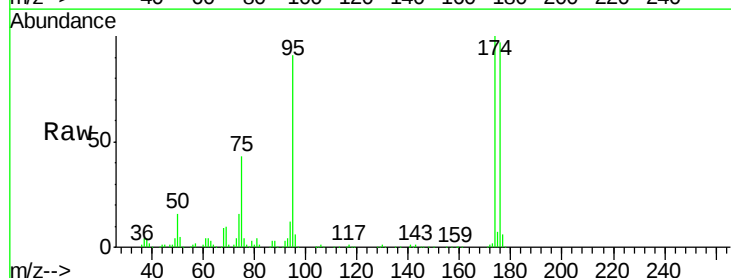
Instrument :
MSVOA_X
ClientSampleId :
VX0504WBL01

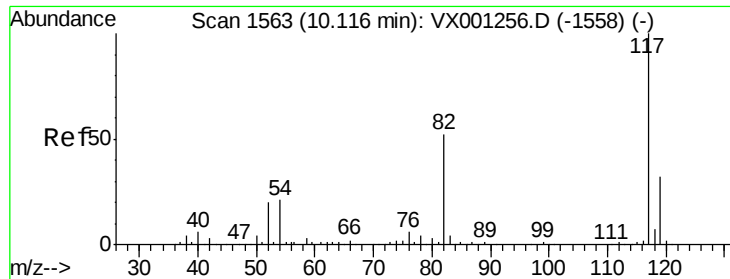
Tgt Ion: 69 Resp: 648
Ion Ratio Lower Upper
69 100
41 91.3 32.1 96.3
39 35.1 19.6 58.7



#56
Bromoform
Concen: 0.53 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.29 min
Lab File: VX001393.D
Acq: 04 May 2018 13:02

Tgt Ion: 173 Resp: 958
Ion Ratio Lower Upper
173 100
175 550.4 39.0 58.4#
254 0.0 7.0 10.4#

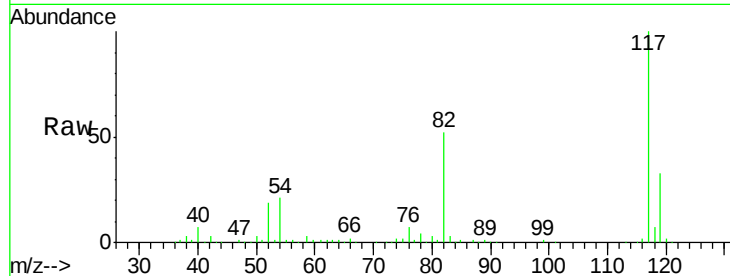




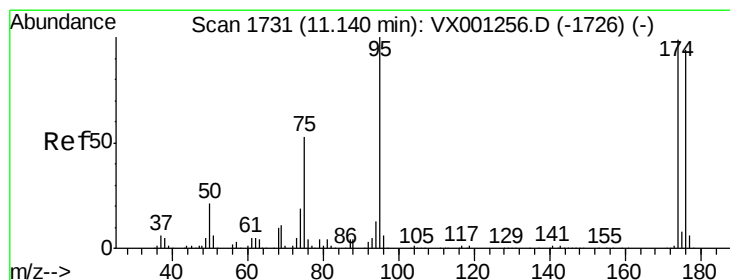
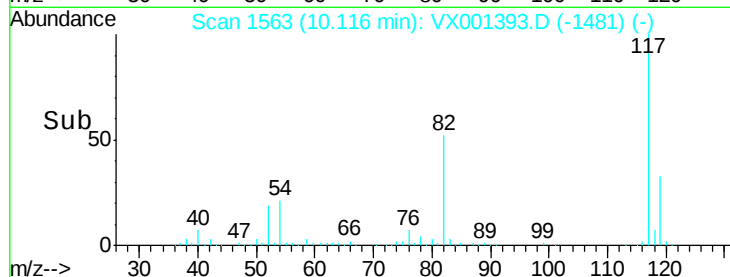
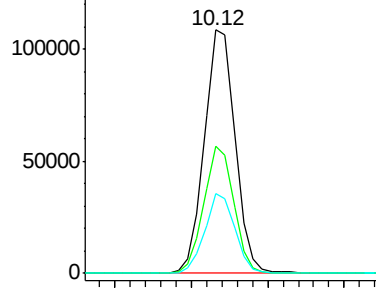
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX001393.D
Acq: 04 May 2018 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBL01

Tgt Ion: 117 Resp: 151741
Ion Ratio Lower Upper
117 100
82 51.0 43.0 64.4
119 32.0 25.8 38.8

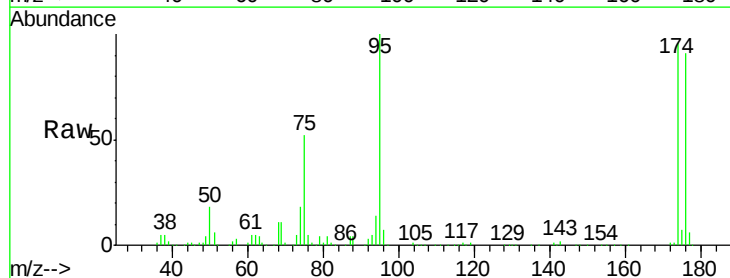


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

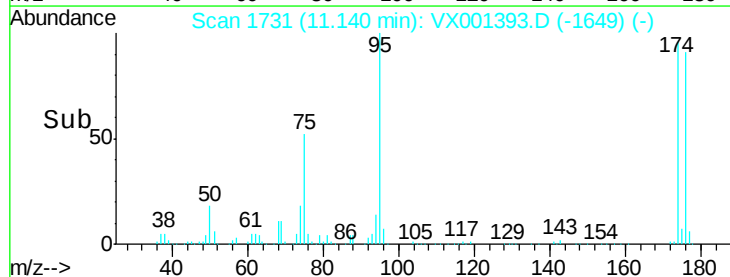
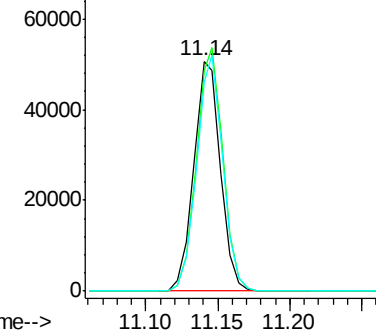


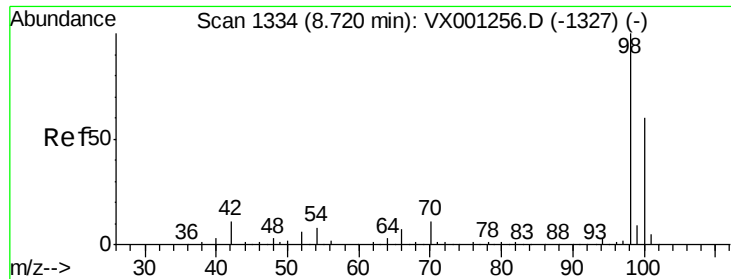
#60
4-Bromofluorobenzene
Concen: 26.01 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001393.D
Acq: 04 May 2018 13:02

Tgt Ion: 95 Resp: 66123
Ion Ratio Lower Upper
95 100
174 104.7 71.1 106.7
176 100.3 69.3 103.9



Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: 29.37 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001393.D

Acq: 04 May 2018 13:02

Instrument :

MSVOA_X

ClientSampleId :

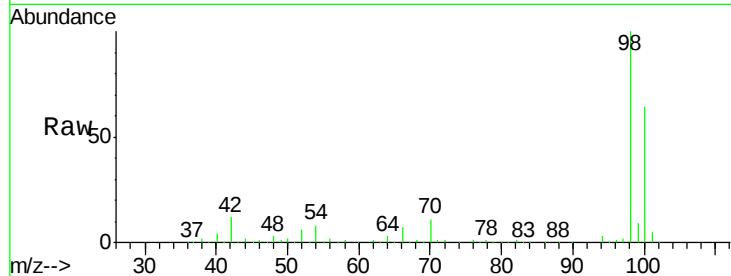
VX0504WBL01

Tgt Ion: 98 Resp: 191146

Ion Ratio Lower Upper

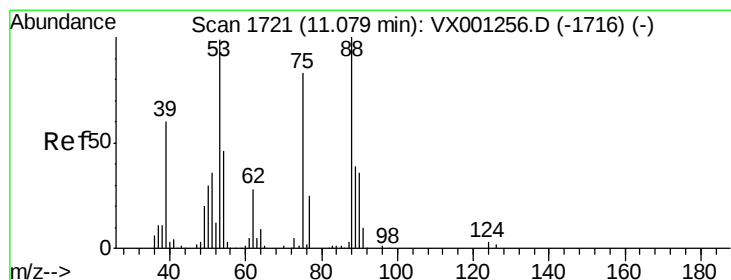
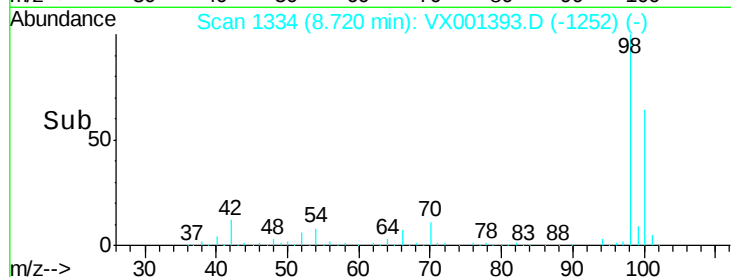
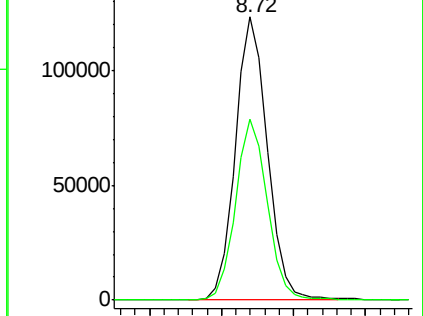
98 100

100 63.3 50.0 75.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#77

t-1,4-Dichloro-2-butene

Concen: 44.47 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001393.D

Acq: 04 May 2018 13:02

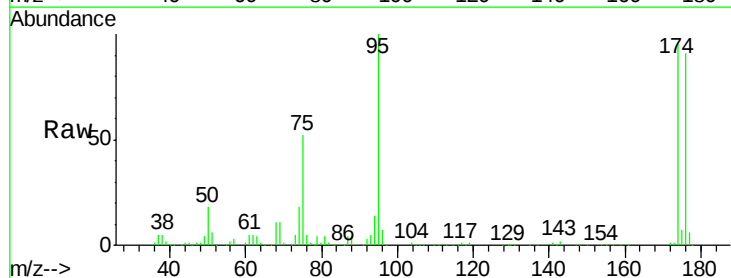
Tgt Ion: 75 Resp: 32963

Ion Ratio Lower Upper

75 100

53 0.0 47.8 143.3#

89 0.0 22.3 66.8#



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

