

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX103018\
 Data File : VX005698.D
 Acq On : 30 Oct 2018 18:07
 Operator : JC/MD
 Sample : J5714-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GT-103

Quant Time: Oct 31 01:04:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	232052	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	336156	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	294217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	148341	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	143886	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
35) Dibromofluoromethane	5.50	113	115043	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
50) Toluene-d8	8.71	98	410598	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
62) 4-Bromofluorobenzene	11.14	95	133271	43.15	ug/l	0.00
Spiked Amount			Recovery	=	86.30%	

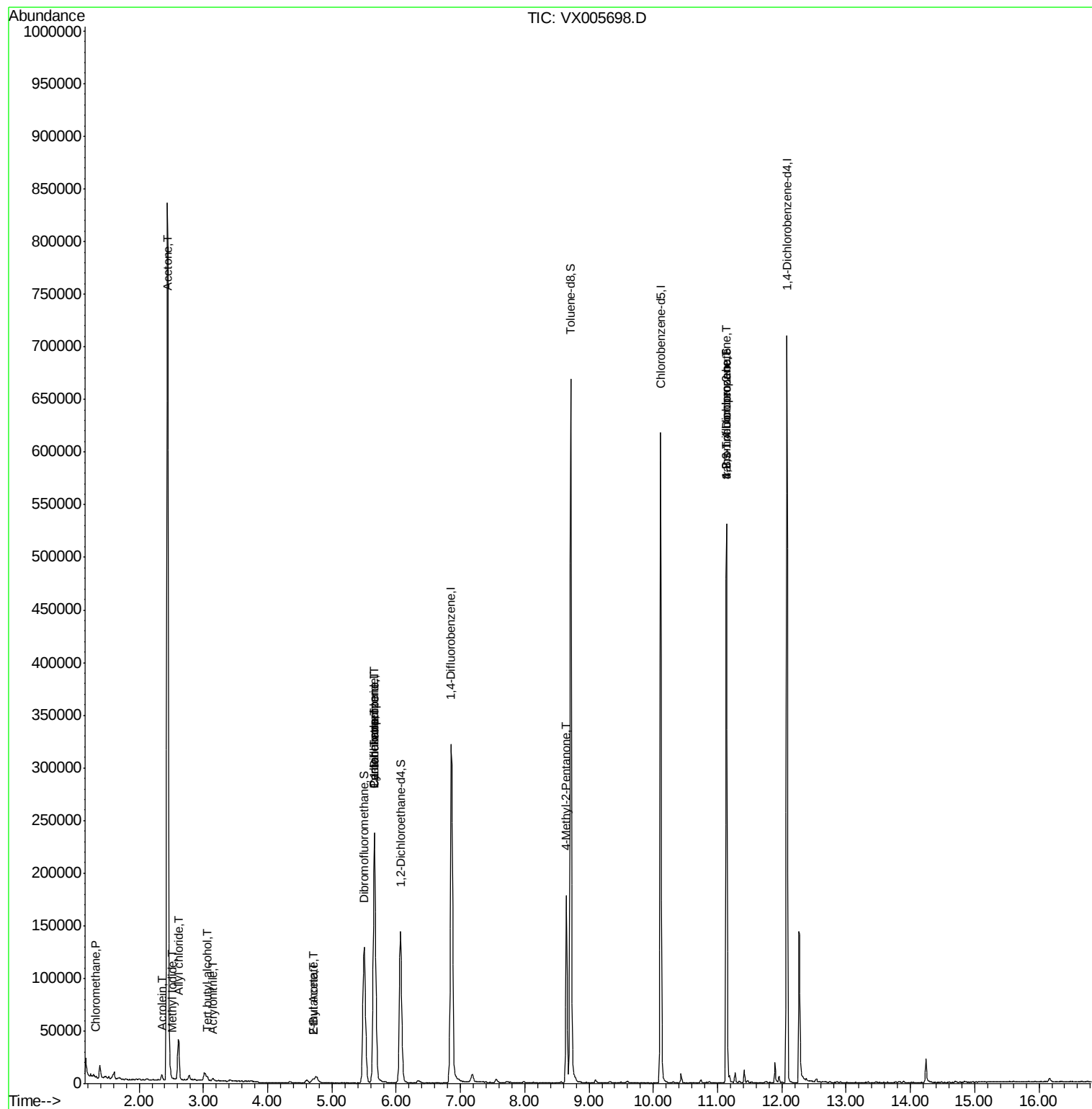
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	673	0.231	ug/l #	74
10) Methyl Iodide	2.52	142	124	2.774	ug/l #	67
11) Tert butyl alcohol	3.06	59	3514	4.610	ug/l #	74
13) Acrolein	2.36	56	219	0.563	ug/l #	7
14) Allyl chloride	2.62	41	3629	0.746	ug/l #	59
15) Acrylonitrile	3.15	53	1856	1.086	ug/l	93
16) Acetone	2.44	43	918854	613.876	ug/l	97
25) 2-Butanone	4.71	43	6899	3.027	ug/l #	89
31) Cyclohexane	5.65	56	4217	1.104	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16350	5.012	ug/l #	49
37) Ethyl Acetate	4.71	43	6899	1.657	ug/l #	69
38) Carbon Tetrachloride	5.66	117	21282	6.194	ug/l #	16
51) 4-Methyl-2-Pentanone	8.65	43	105422	25.146	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	67092	21.347	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	67092	69.750	ug/l #	9

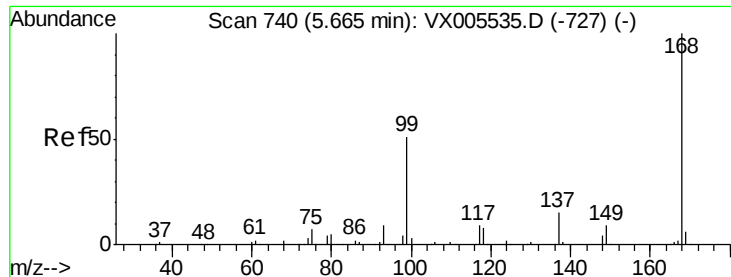
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005698.D

Acq: 30 Oct 2018 18:07

Instrument :

MSVOA_X

ClientSampled :

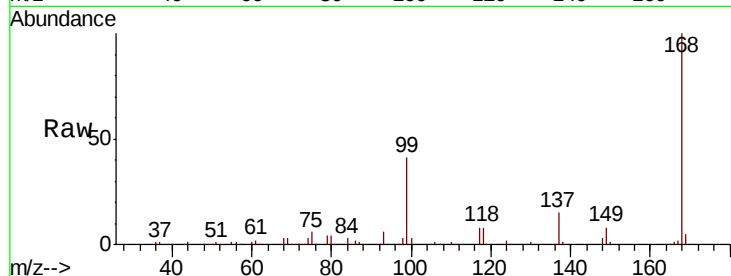
GT-103

Tot Ion:168 Resp: 232052

Ion Ratio Lower Upper

168 100

99 40.5 40.7 61.1#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

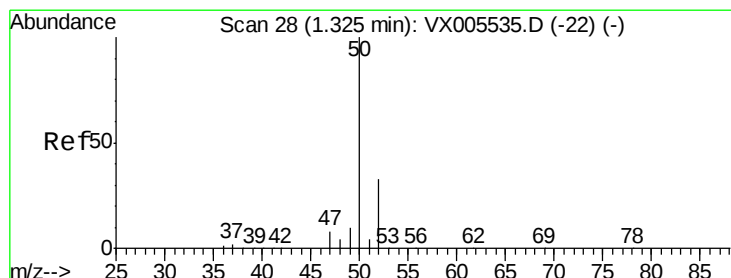
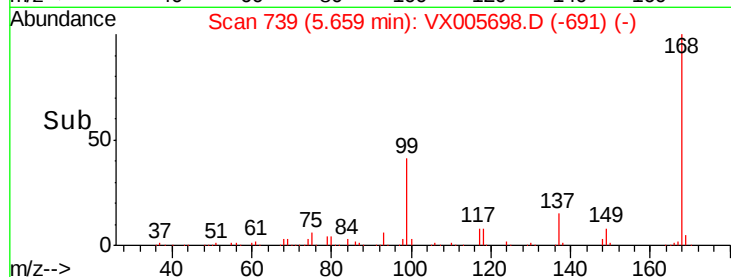
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.231 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005698.D

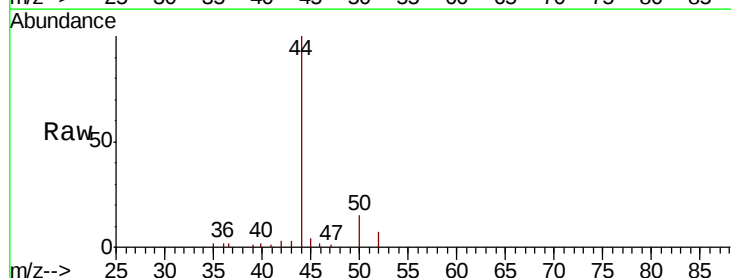
Acq: 30 Oct 2018 18:07

Tgt Ion: 50 Resp: 673

Ion Ratio Lower Upper

50 100

52 47.3 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

600

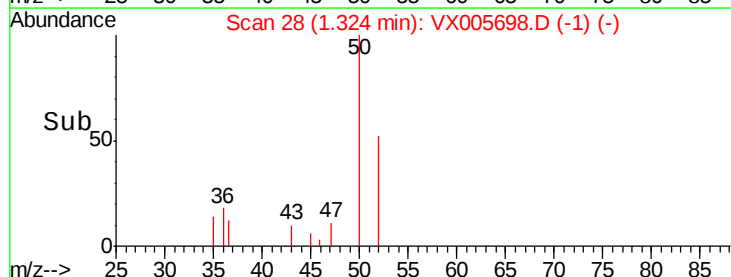
400

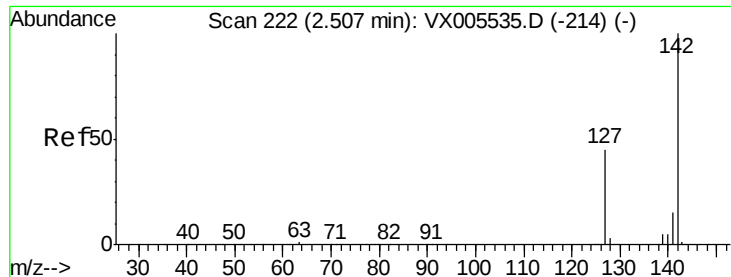
200

0

Time-->

1.30 1.35

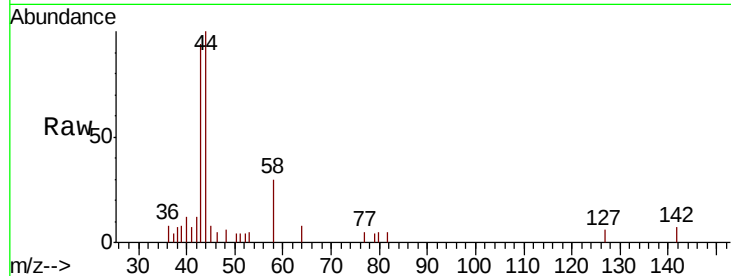




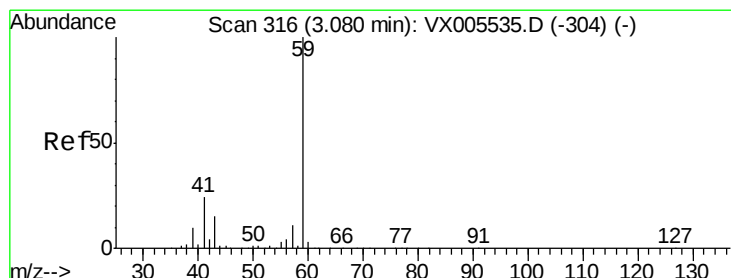
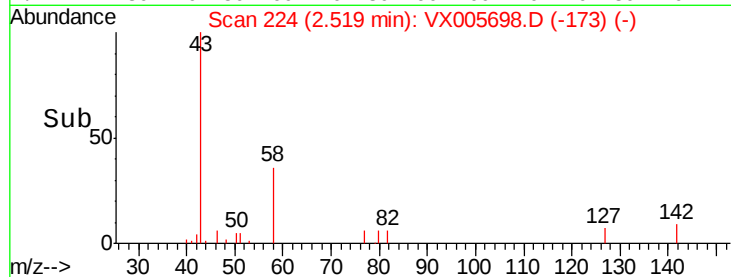
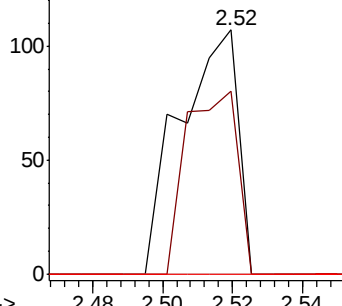
#10
Methyl Iodide
Concen: 2.774 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX005698.D
Acq: 30 Oct 2018 18:07

Instrument :
MSVOA_X
ClientSampled :
GT-103

Tot Ion:142 Resp: 124
Ion Ratio Lower Upper
142 100
127 66.1 36.0 54.0#
141 0.0 11.7 17.5#

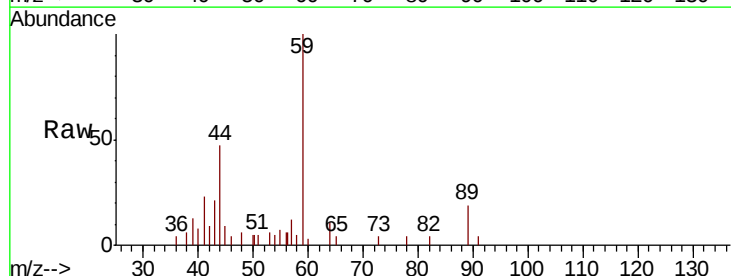


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

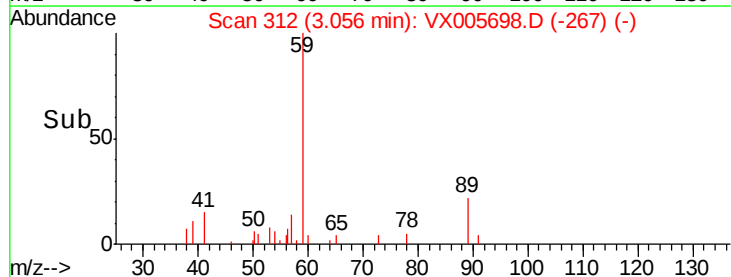
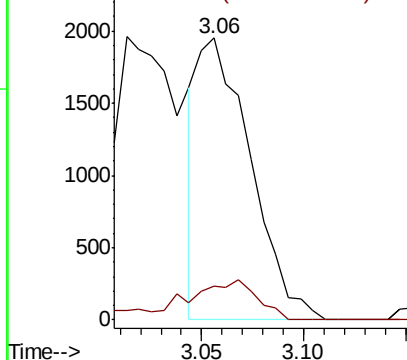


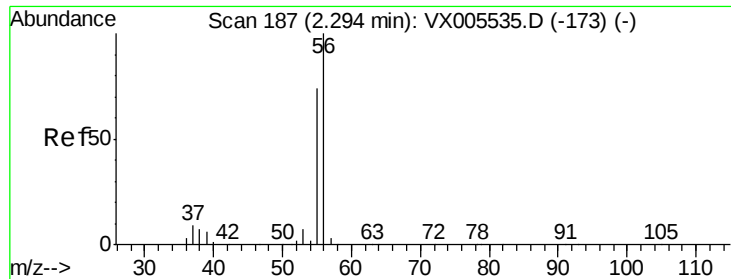
#11
Tert butyl alcohol
Concen: 4.610 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX005698.D
Acq: 30 Oct 2018 18:07

Tgt Ion: 59 Resp: 3514
Ion Ratio Lower Upper
59 100
57 20.3 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.563 ug/l

RT: 2.36 min Scan# 198

Delta R.T. 0.07 min

Lab File: VX005698.D

Acq: 30 Oct 2018 18:07

Instrument :

MSVOA_X

ClientSampleId :

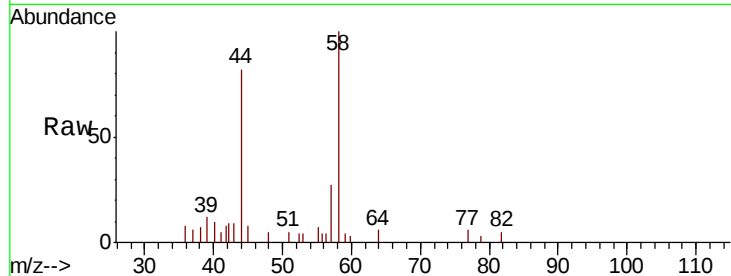
GT-103

Tot Ion: 56 Resp: 219

Ion Ratio Lower Upper

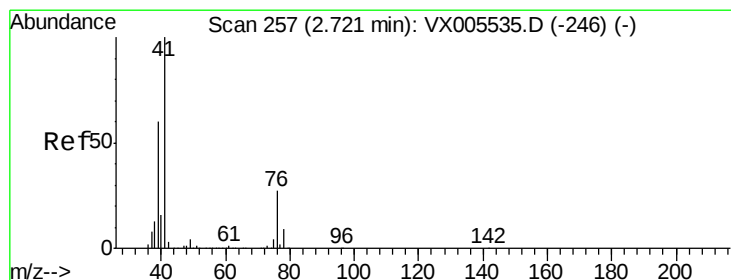
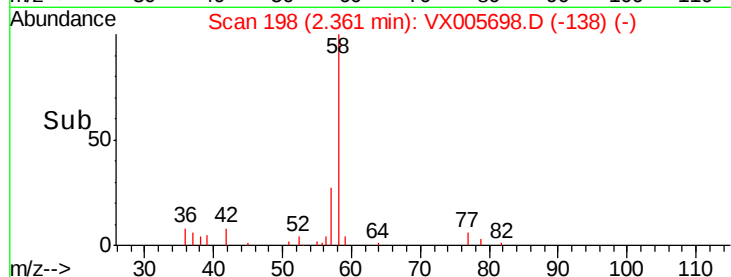
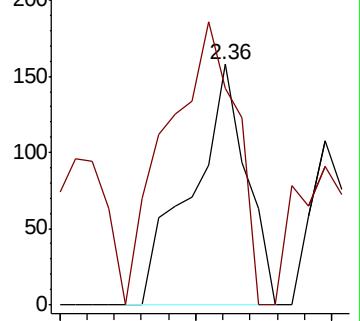
56 100

55 148.9 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 0.746 ug/l

RT: 2.62 min Scan# 240

Delta R.T. -0.10 min

Lab File: VX005698.D

Acq: 30 Oct 2018 18:07

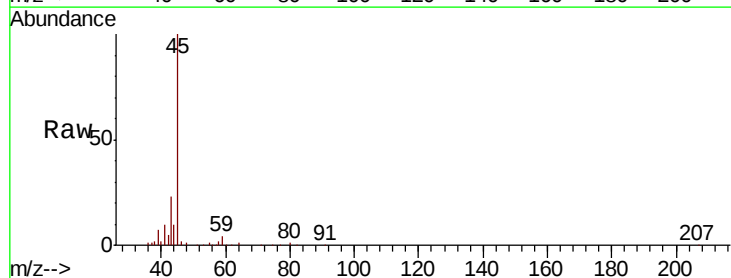
Tgt Ion: 41 Resp: 3629

Ion Ratio Lower Upper

41 100

39 87.7 48.2 72.4#

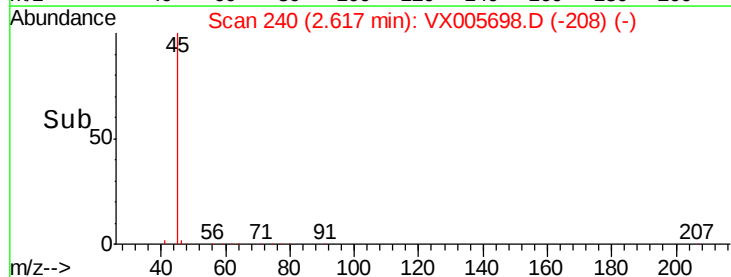
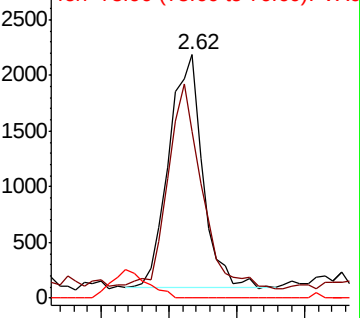
76 0.0 21.9 32.9#

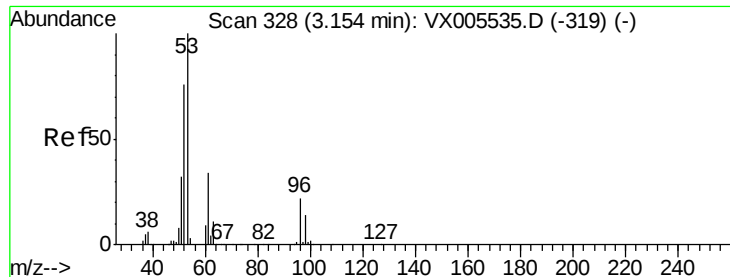


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 1.086 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005698.D

Acq: 30 Oct 2018 18:07

Instrument :

MSVOA_X

ClientSampled :

GT-103

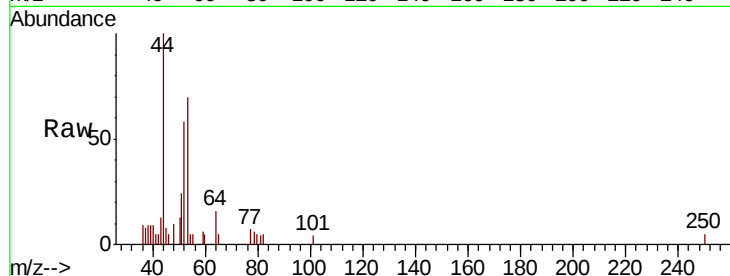
Tot Ion: 53 Resp: 1856

Ion Ratio Lower Upper

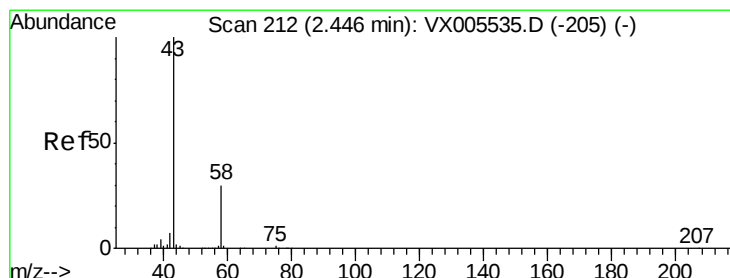
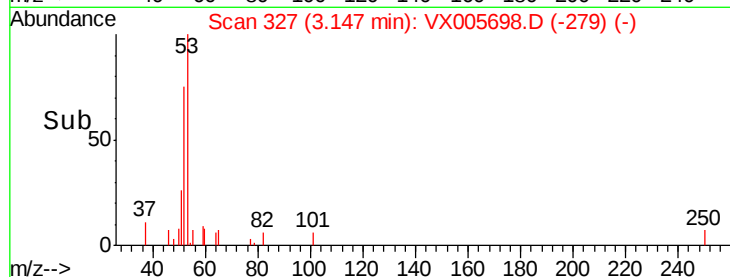
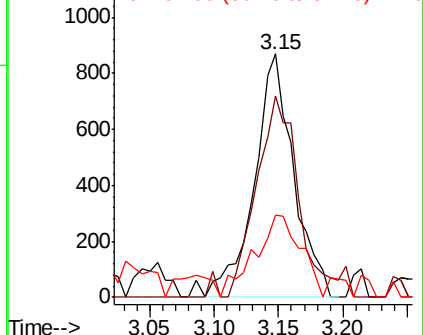
53 100

52 89.6 66.6 99.8

51 39.3 28.4 42.6



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



#16

Acetone

Concen: 613.876 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005698.D

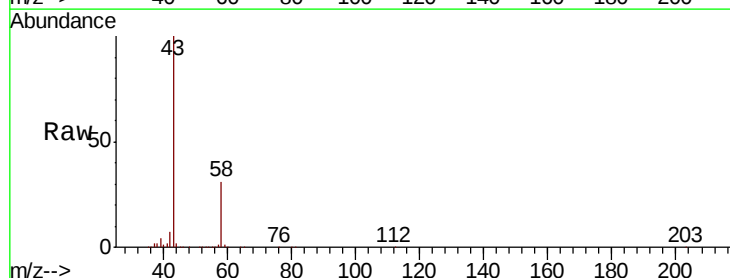
Acq: 30 Oct 2018 18:07

Tgt Ion: 43 Resp: 918854

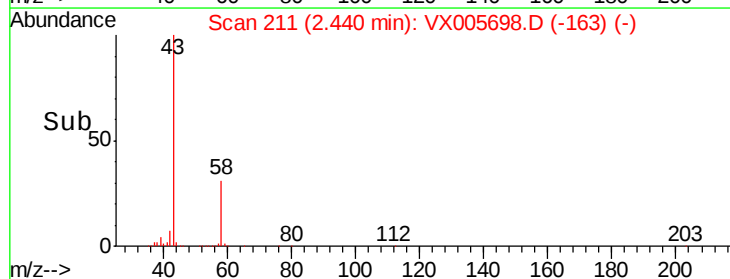
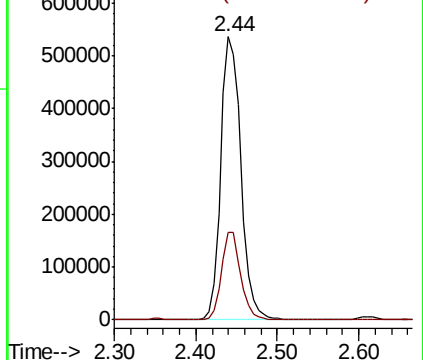
Ion Ratio Lower Upper

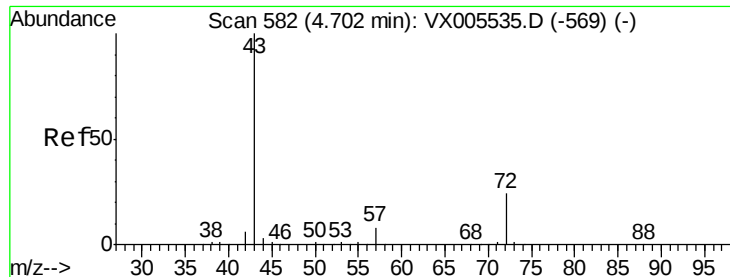
43 100

58 31.1 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

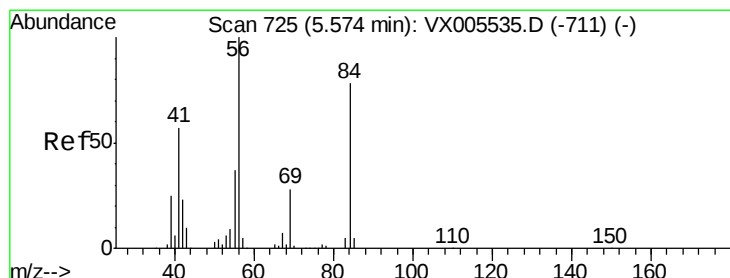
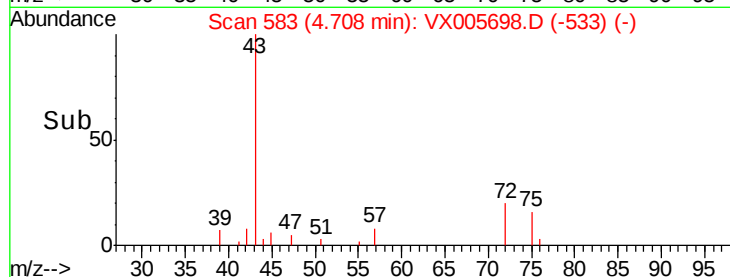
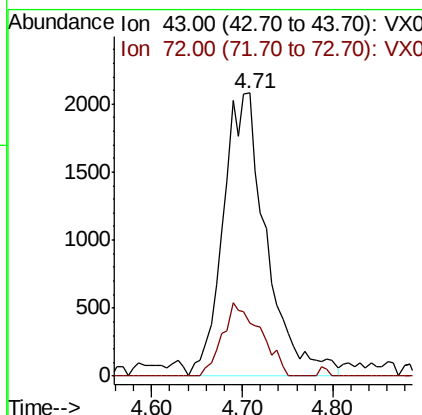
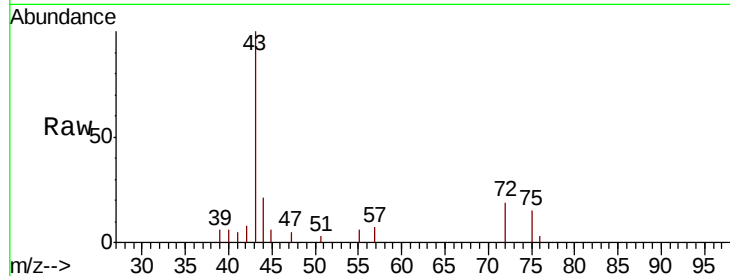




#25
 2-Butanone
 Concen: 3.027 ug/l
 RT: 4.71 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VX005698.D
 Acq: 30 Oct 2018 18:07

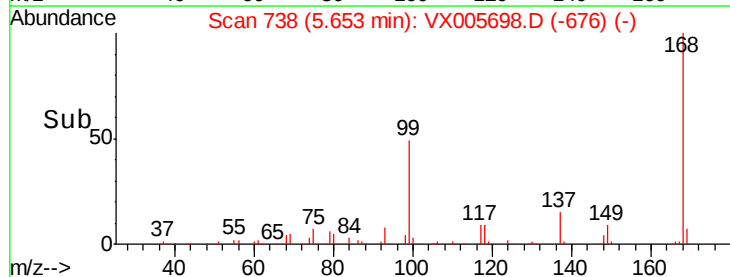
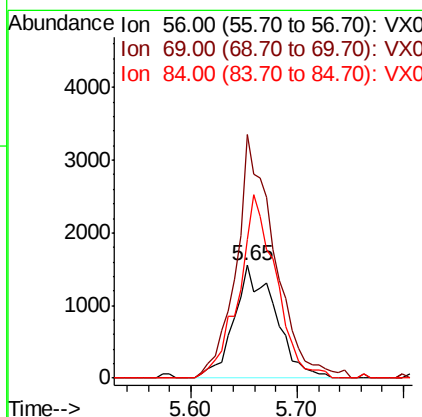
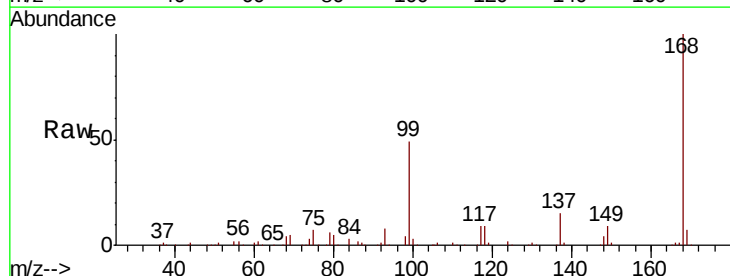
Instrument :
 MSVOA_X
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 GT-103

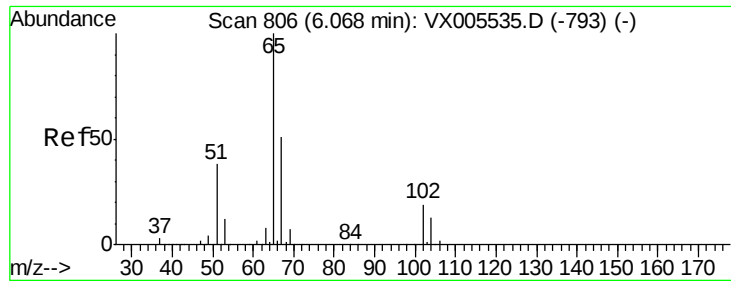
Tot Ion: 43 Resp: 6899
 Ion Ratio Lower Upper
 43 100
 72 18.8 19.2 28.8#



#31
 Cyclohexane
 Concen: 1.104 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. 0.08 min
 Lab File: VX005698.D
 Acq: 30 Oct 2018 18:07

Tgt Ion: 56 Resp: 4217
 Ion Ratio Lower Upper
 56 100
 69 215.6 22.6 34.0#
 84 122.7 62.7 94.1#





#33

1,2-Dichloroethane-d4

Concen: 50.796 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005698.D

Acq: 30 Oct 2018 18:07

Instrument :

MSVOA_X

ClientSampleId :

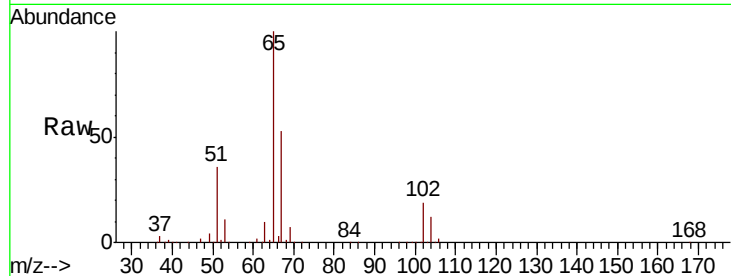
GT-103

Tot Ion: 65 Resp: 143886

Ion Ratio Lower Upper

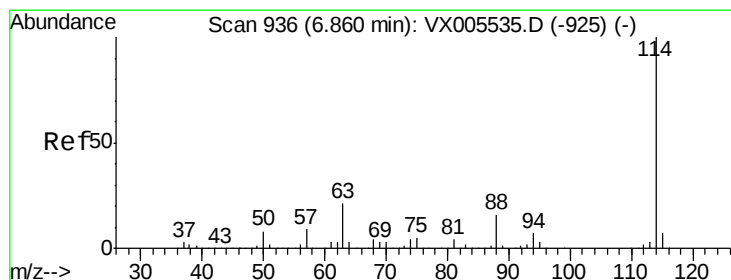
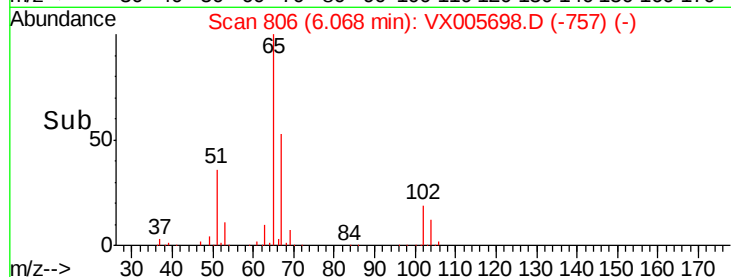
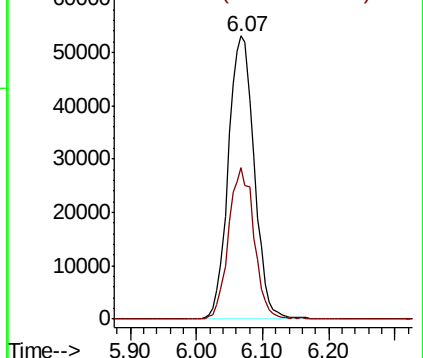
65 100

67 52.6 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX005698.D

Acq: 30 Oct 2018 18:07

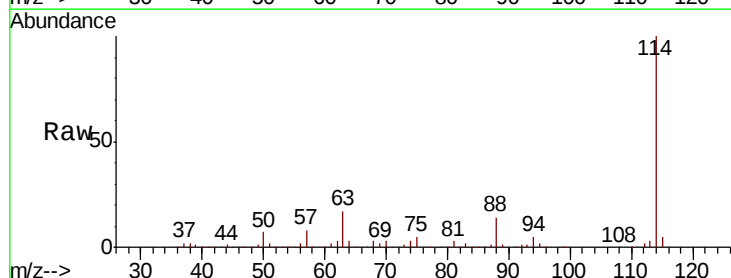
Tgt Ion: 114 Resp: 336156

Ion Ratio Lower Upper

114 100

63 17.5 0.0 42.8

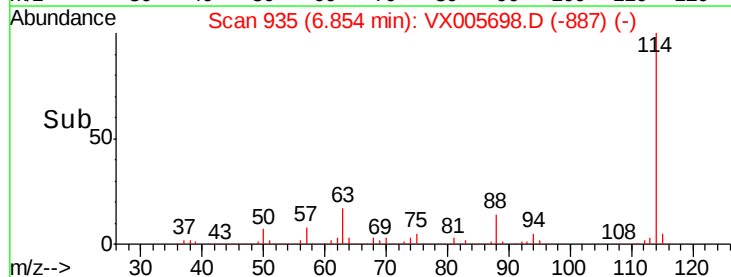
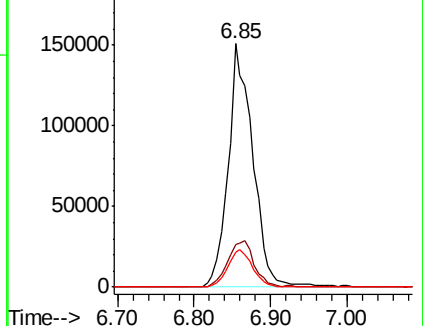
88 14.1 0.0 31.2

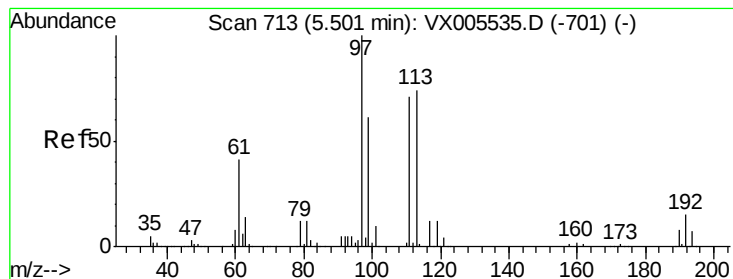


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.542 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005698.D

Acq: 30 Oct 2018 18:07

Instrument :

MSVOA_X

ClientSampled :

GT-103

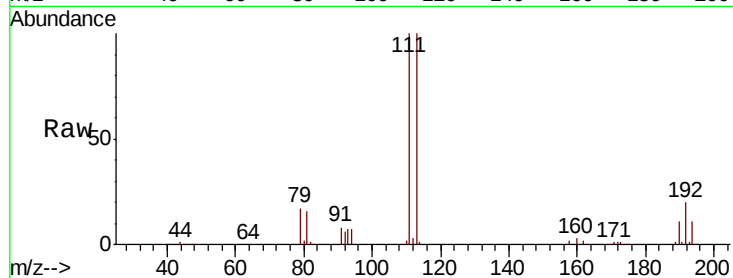
Tot Ion:113 Resp: 115043

Ion Ratio Lower Upper

113 100

111 98.7 82.3 123.5

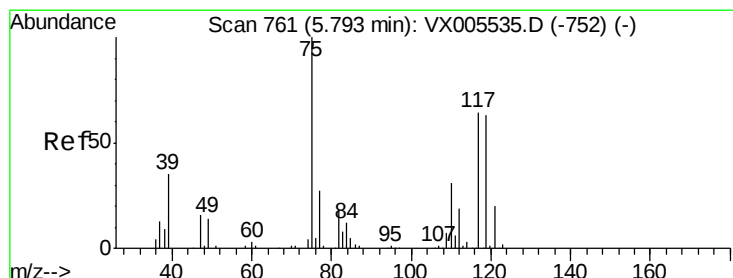
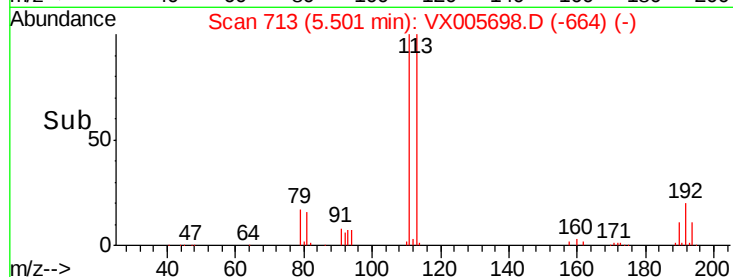
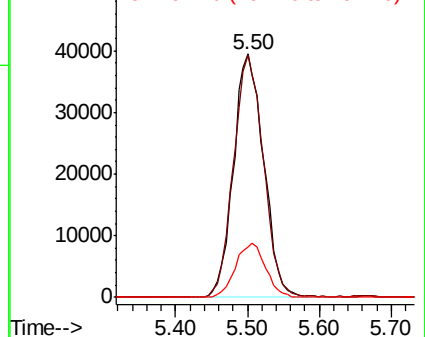
192 22.0 17.9 26.9



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: 5.012 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX005698.D

Acq: 30 Oct 2018 18:07

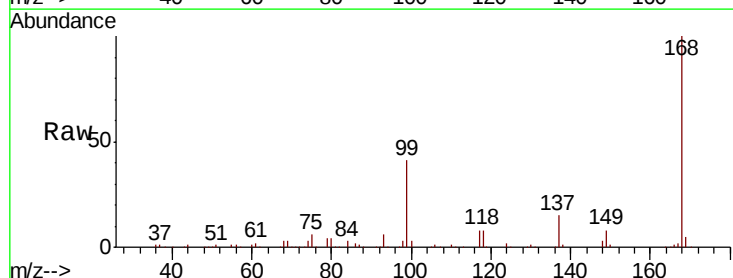
Tgt Ion: 75 Resp: 16350

Ion Ratio Lower Upper

75 100

110 9.1 17.4 52.2#

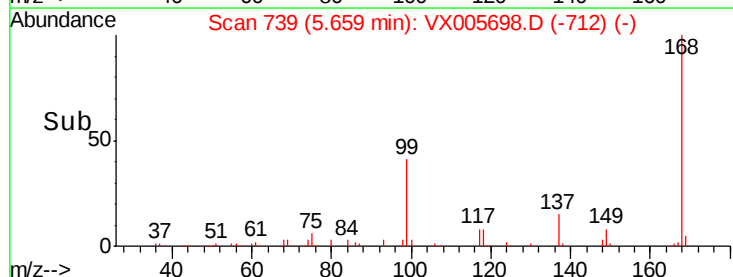
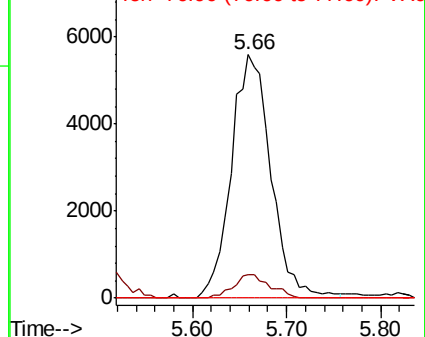
77 0.0 25.8 38.6#

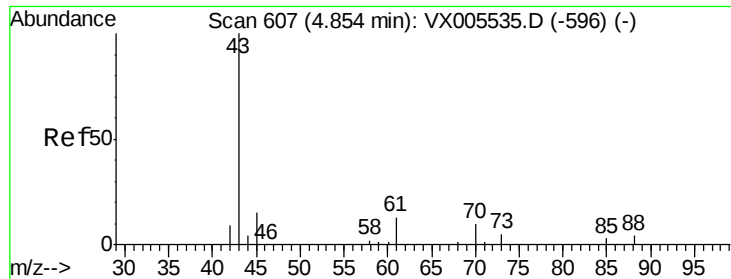


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 1.657 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.15 min

Lab File: VX005698.D

Acq: 30 Oct 2018 18:07

Instrument :

MSVOA_X

ClientSampled :

GT-103

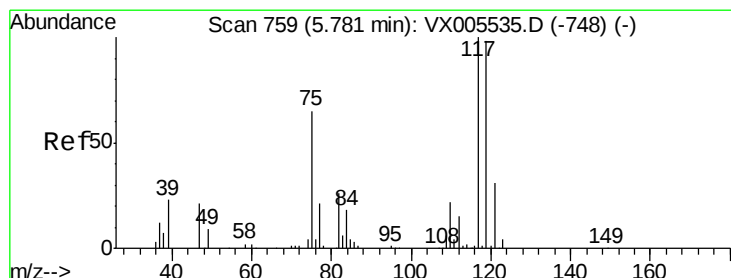
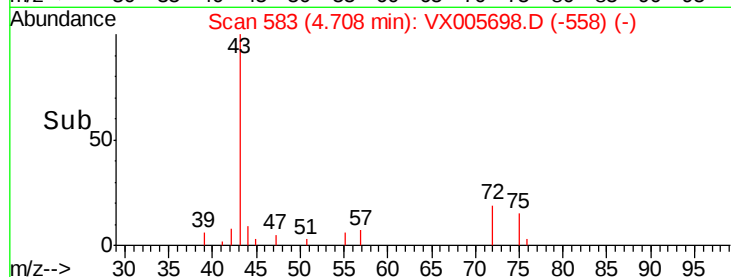
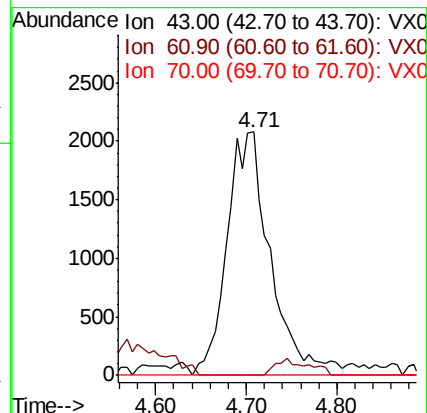
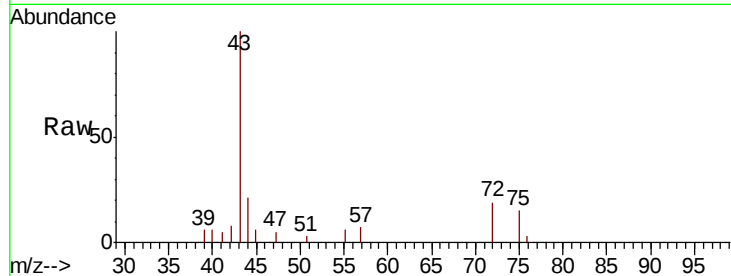
Tot Ion: 43 Resp: 6899

Ion Ratio Lower Upper

43 100

61 0.0 10.8 16.2#

70 0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 6.194 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005698.D

Acq: 30 Oct 2018 18:07

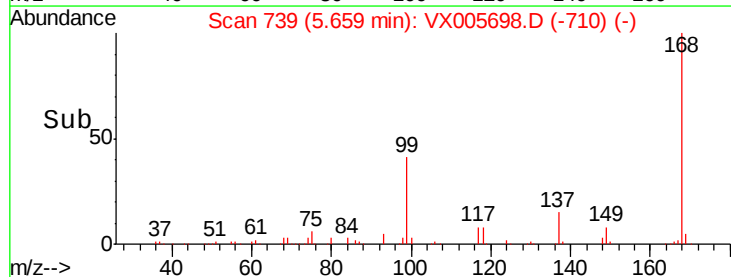
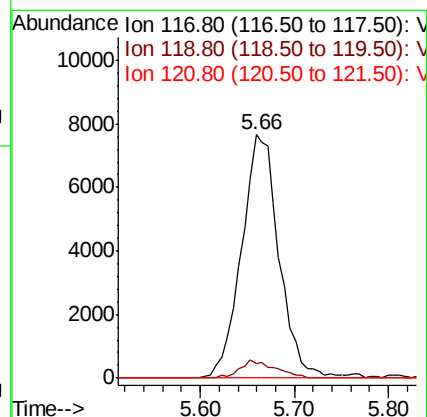
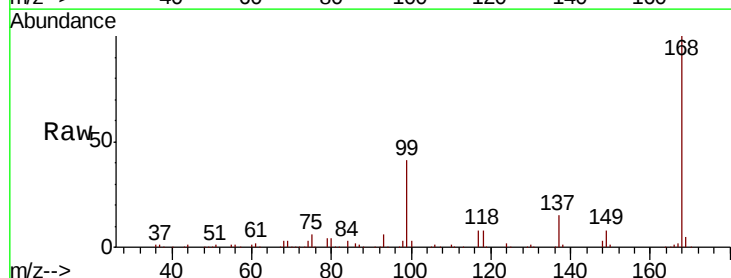
Tgt Ion: 117 Resp: 21282

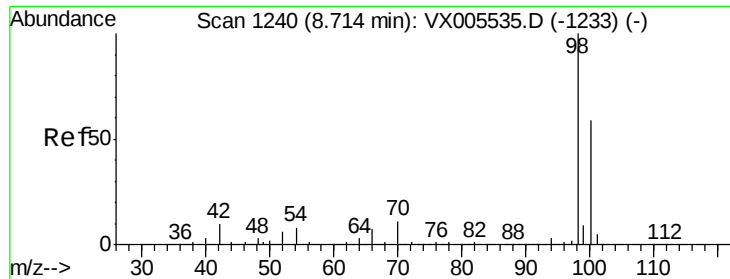
Ion Ratio Lower Upper

117 100

119 5.9 78.1 117.1#

121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 50.203 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005698.D

Acq: 30 Oct 2018 18:07

Instrument :

MSVOA_X

ClientSampled :

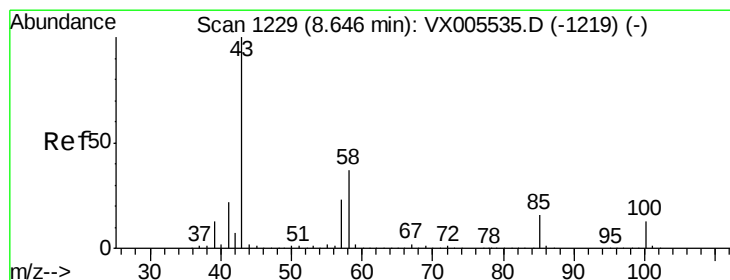
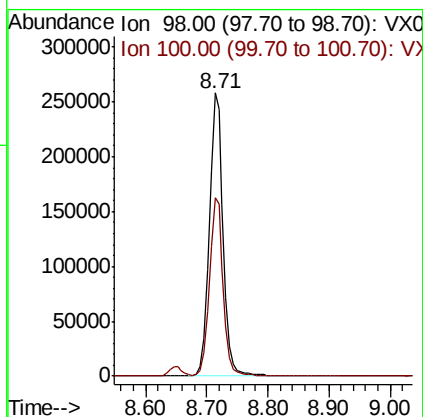
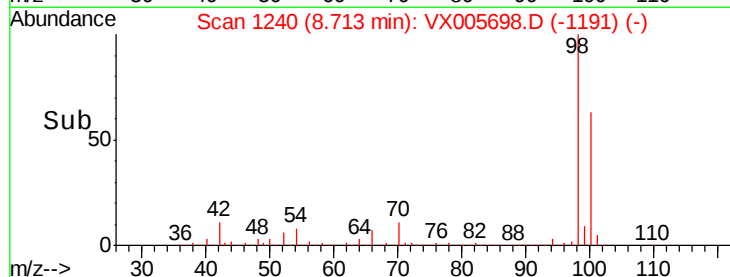
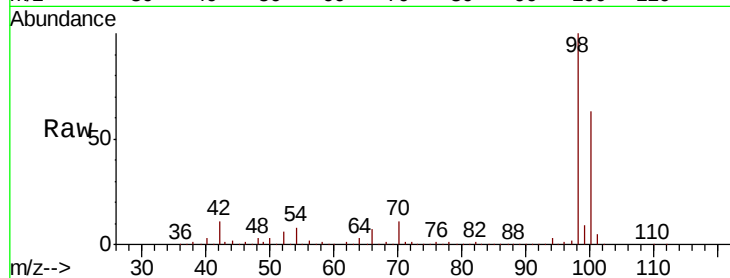
GT-103

Tot Ion: 98 Resp: 410598

Ion Ratio Lower Upper

98 100

100 63.1 51.3 76.9



#51

4-Methyl-2-Pentanone

Concen: 25.146 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX005698.D

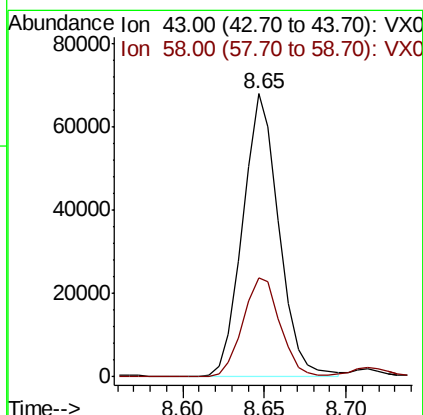
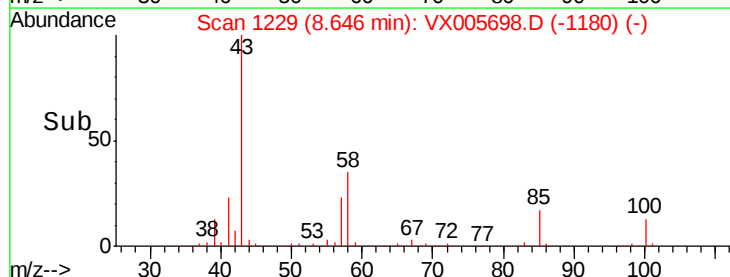
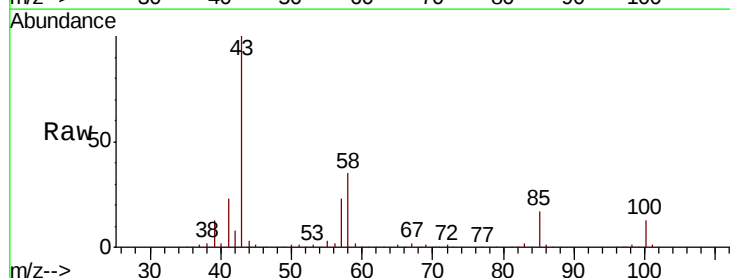
Acq: 30 Oct 2018 18:07

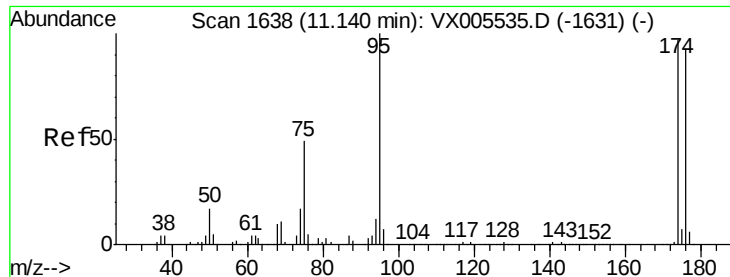
Tgt Ion: 43 Resp: 105422

Ion Ratio Lower Upper

43 100

58 36.2 29.7 44.5





#62

4-Bromofluorobenzene

Concen: 43.148 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005698.D

Acq: 30 Oct 2018 18:07

Instrument :

MSVOA_X

ClientSampleId :

GT-103

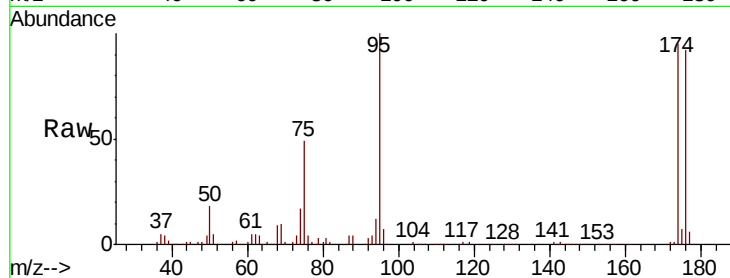
Tot Ion: 95 Resp: 133271

Ion Ratio Lower Upper

95 100

174 92.2 0.0 184.4

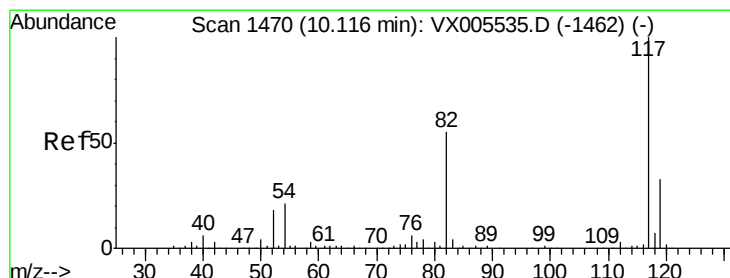
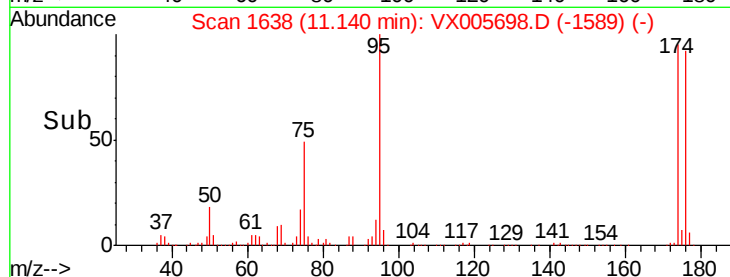
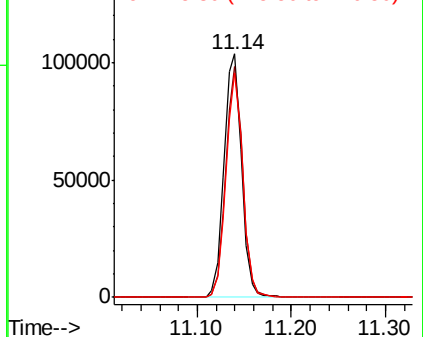
176 89.2 0.0 177.4



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005698.D

Acq: 30 Oct 2018 18:07

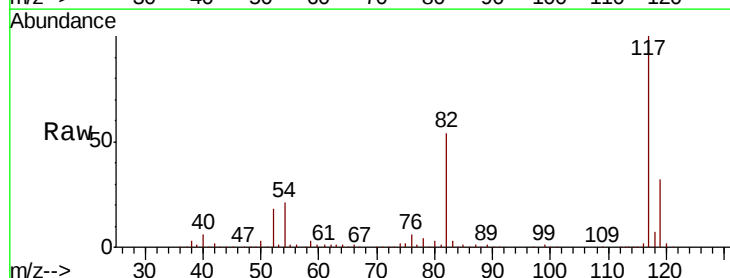
Tgt Ion: 117 Resp: 294217

Ion Ratio Lower Upper

117 100

82 54.1 44.1 66.1

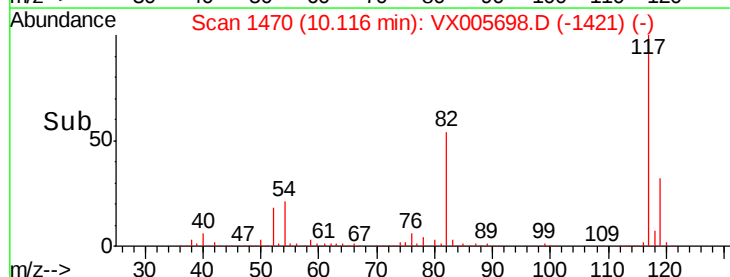
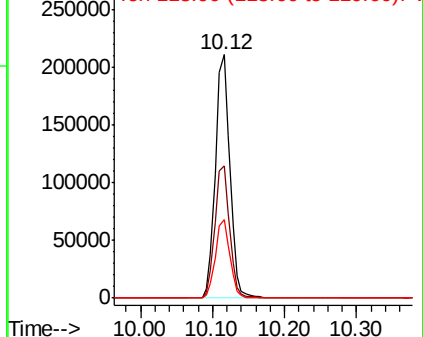
119 32.0 26.2 39.2

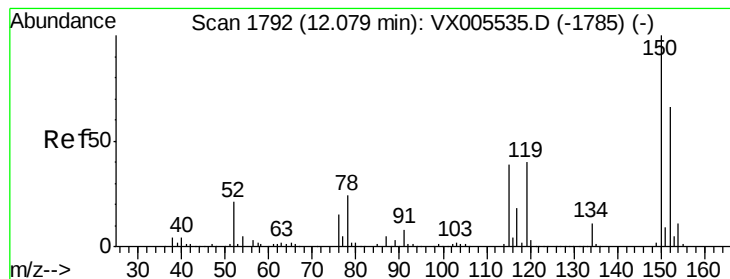


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005698.D

Acq: 30 Oct 2018 18:07

Instrument :

MSVOA_X

ClientSampleId :

GT-103

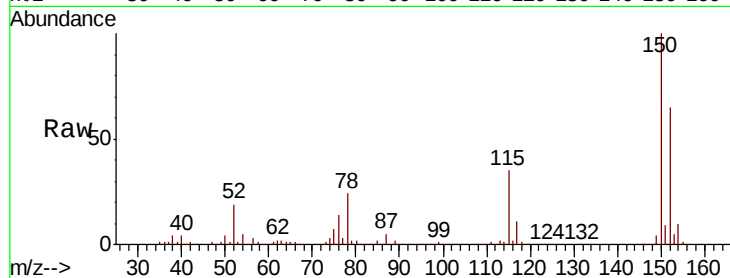
Tot Ion:152 Resp: 148341

Ion Ratio Lower Upper

152 100

115 55.4 39.4 118.1

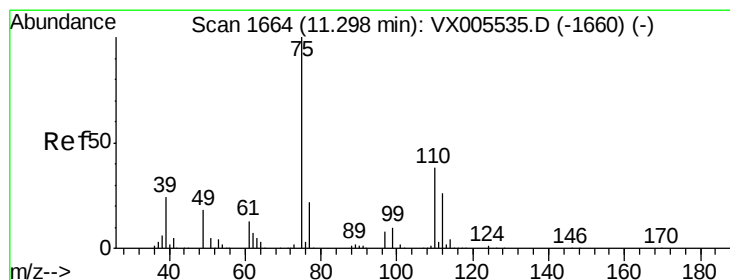
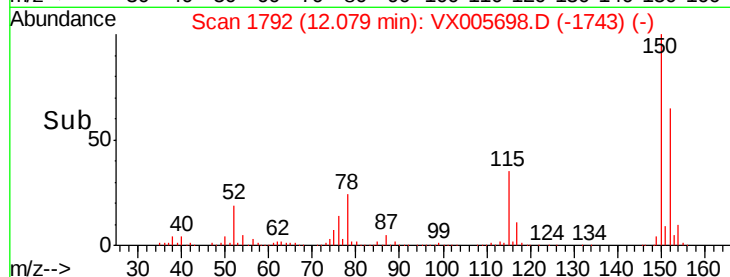
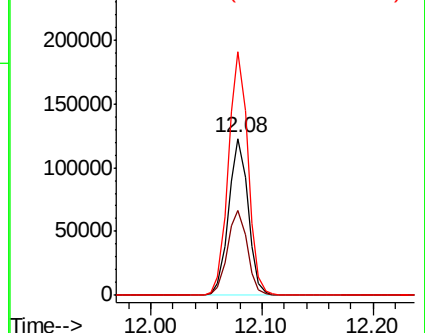
150 156.1 0.0 346.4



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: 21.347 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005698.D

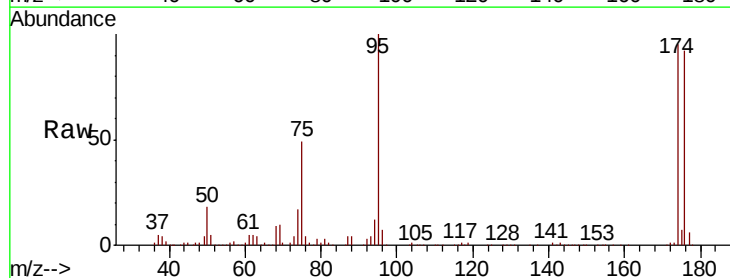
Acq: 30 Oct 2018 18:07

Tgt Ion: 75 Resp: 67092

Ion Ratio Lower Upper

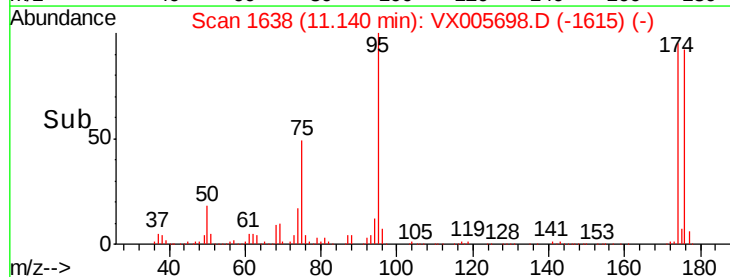
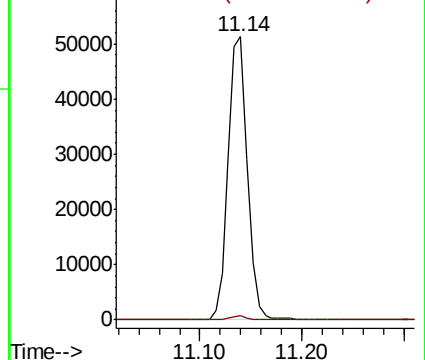
75 100

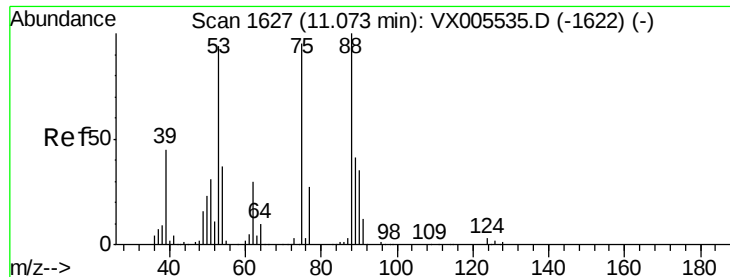
77 1.3 20.5 61.6#



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: 69.750 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005698.D

Acq: 30 Oct 2018 18:07

Instrument :

MSVOA_X

ClientSampleId :

GT-103

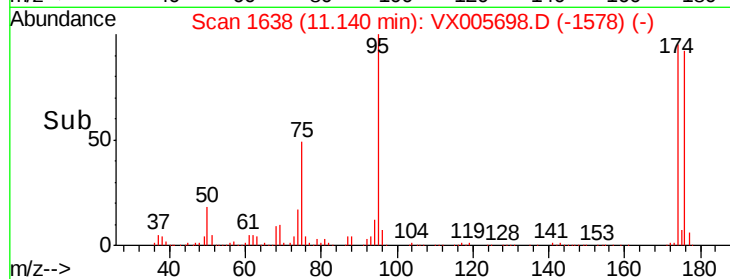
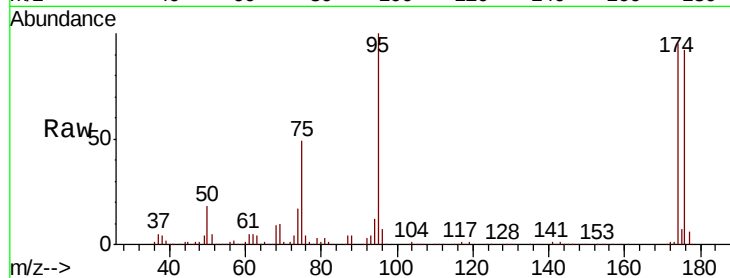
Tot Ion: 75 Resp: 67092

Ion Ratio Lower Upper

75 100

53 0.2 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

