

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010663.D
 Acq On : 04 Jul 2019 03:05
 Operator : JC/SP
 Sample : VX0703WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0703WBL02

Quant Time: Jul 04 05:40:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	238906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	367495	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	334576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	153031	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	124296	55.49	ug/l	0.00
Spiked Amount						
						Recovery = 110.98%
35) Dibromofluoromethane	5.50	113	118015	52.49	ug/l	0.00
Spiked Amount						
						Recovery = 104.98%
50) Toluene-d8	8.71	98	454120	52.79	ug/l	0.00
Spiked Amount						
						Recovery = 105.58%
62) 4-Bromofluorobenzene	11.13	95	152898	49.23	ug/l	0.00
Spiked Amount						
						Recovery = 98.46%

Target Compounds

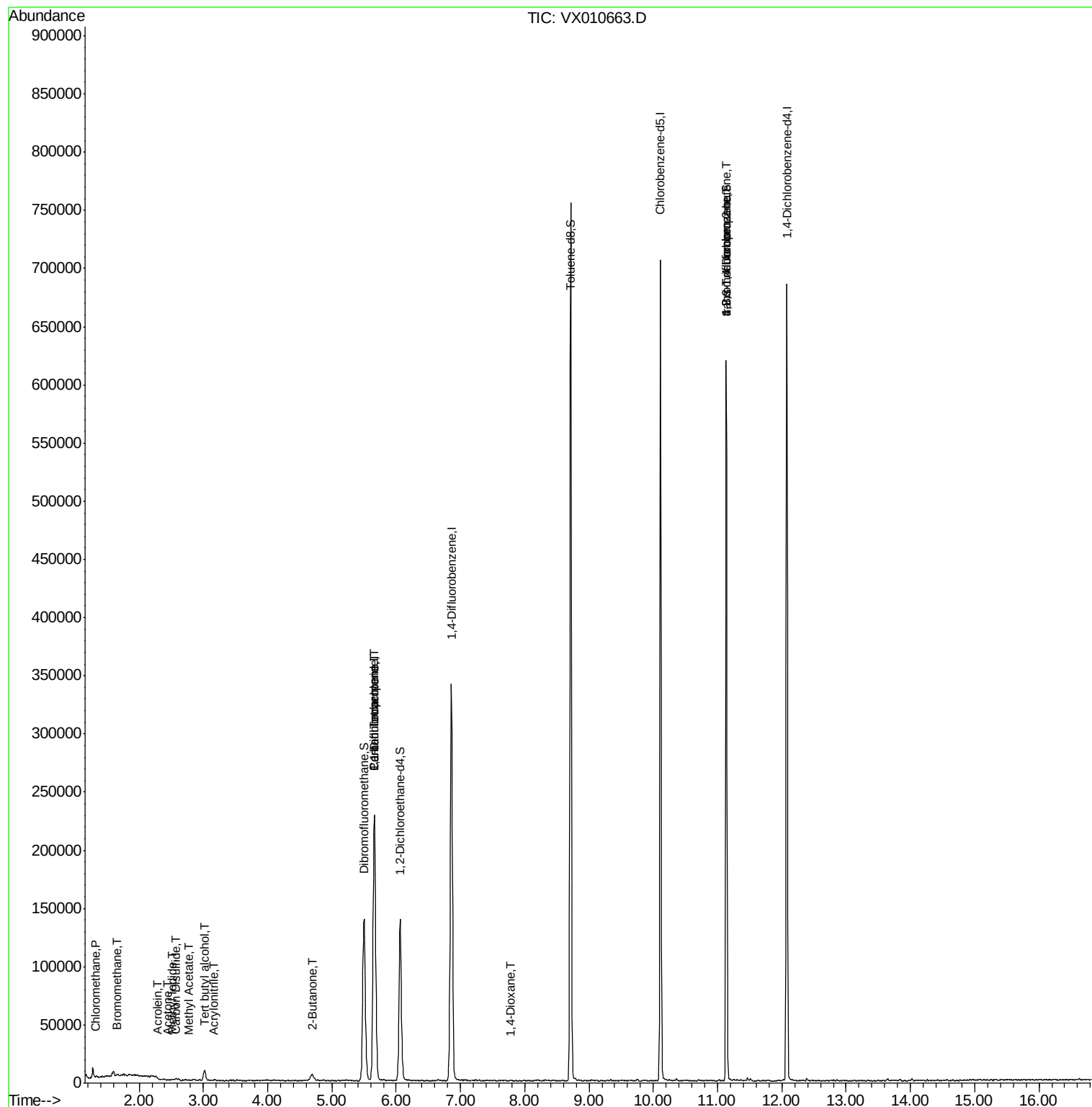
						Qvalue
3) Chloromethane	1.32	50	610	0.315	ug/l #	78
5) Bromomethane	1.65	94	768	0.744	ug/l	94
10) Methyl Iodide	2.51	142	1023	0.352	ug/l	91
11) Tert butyl alcohol	3.01	59	5130	8.752	ug/l #	88
13) Acrolein	2.29	56	349	0.898	ug/l #	66
15) Acrylonitrile	3.17	53	317	0.273	ug/l #	85
16) Acetone	2.45	43	491	0.437	ug/l #	59
17) Carbon Disulfide	2.57	76	1562	0.281	ug/l	98
18) Methyl Acetate	2.78	43	519	0.232	ug/l #	63
25) 2-Butanone	4.70	43	827	0.502	ug/l	98
36) 1,1-Dichloropropene	5.66	75	15244	5.220	ug/l #	47
38) Carbon Tetrachloride	5.66	117	22269	7.042	ug/l #	15
49) 1,4-Dioxane	7.77	88	19	0.285	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	74740	26.802	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	74740	62.526	ug/l #	16

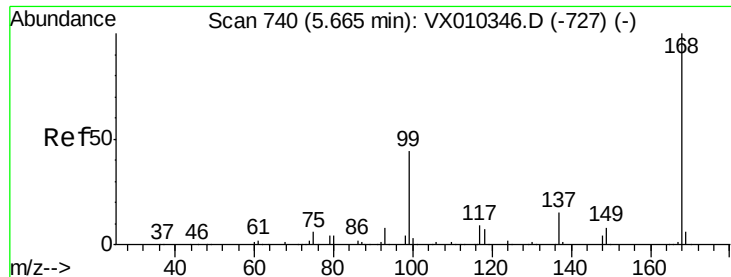
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010663.D

Acq: 04 Jul 2019 03:05

Instrument :

MSVOA_X

ClientSampleId :

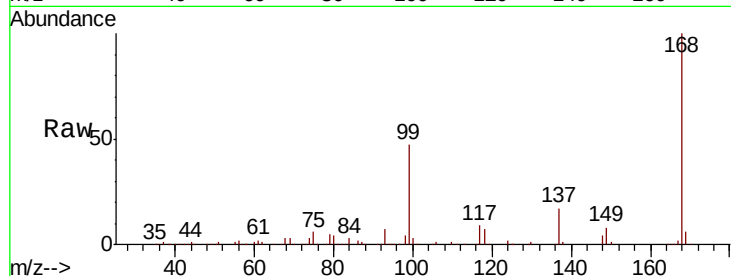
VX0703WBL02

Tot Ion:168 Resp: 238906

Ion Ratio Lower Upper

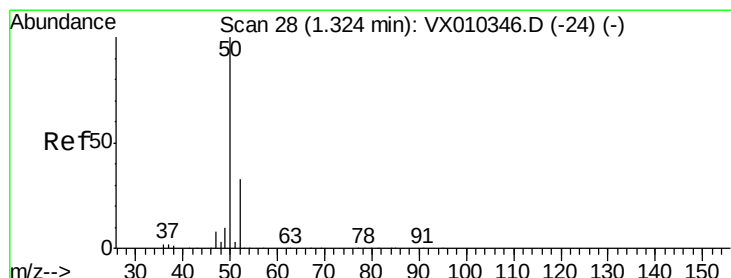
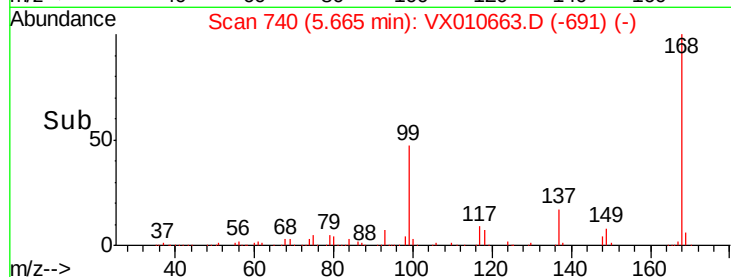
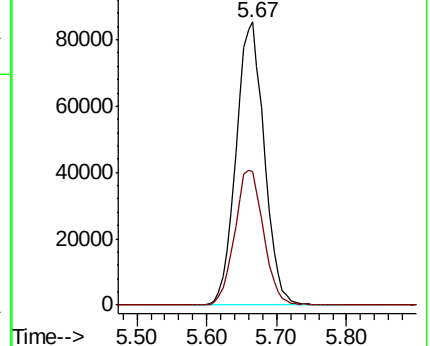
168 100

99 47.2 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.315 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010663.D

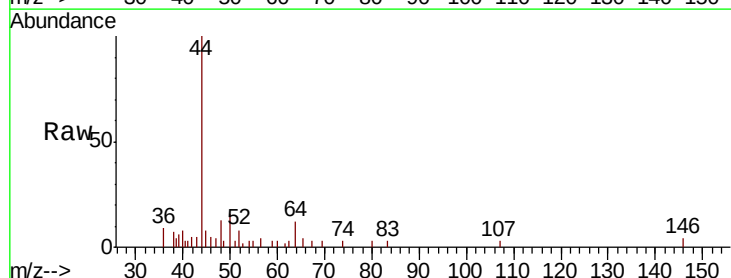
Acq: 04 Jul 2019 03:05

Tgt Ion: 50 Resp: 610

Ion Ratio Lower Upper

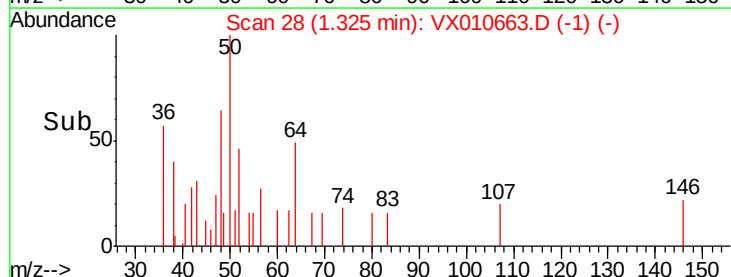
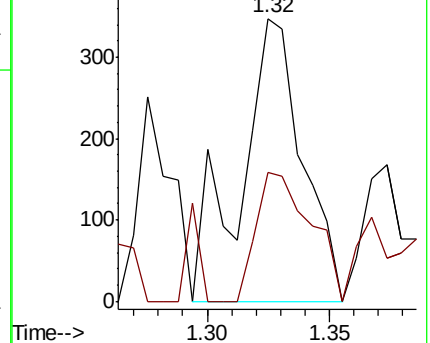
50 100

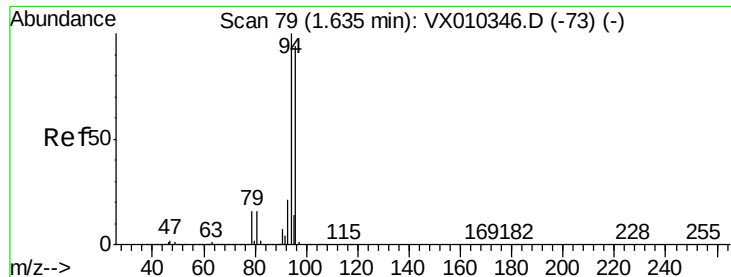
52 45.7 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.744 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010663.D

Acq: 04 Jul 2019 03:05

Instrument :

MSVOA_X

ClientSampleId :

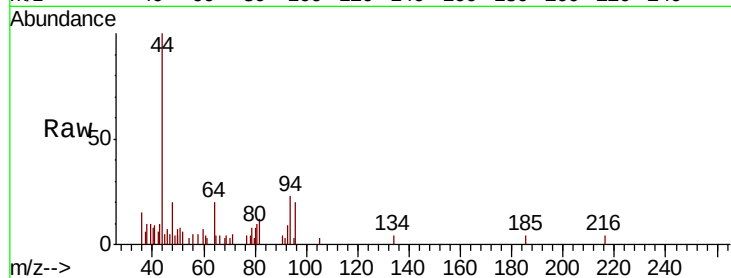
VX0703WBL02

Tot Ion: 94 Resp: 768

Ion Ratio Lower Upper

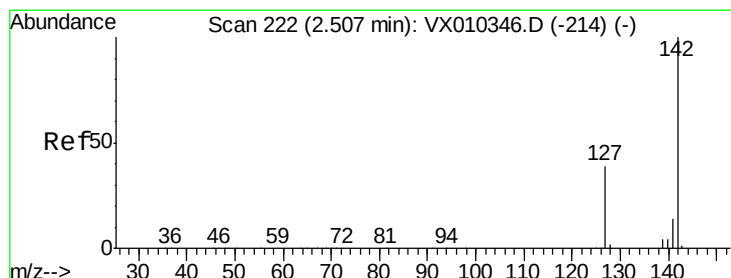
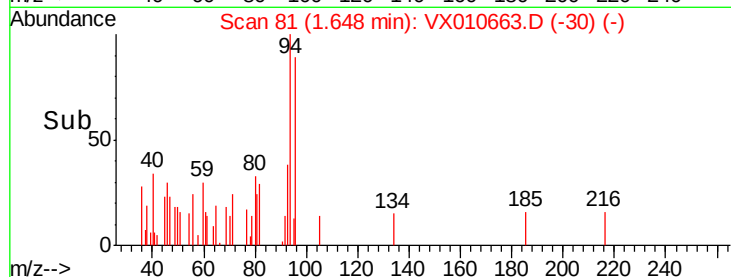
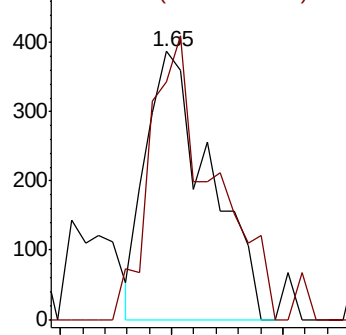
94 100

96 88.9 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.352 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX010663.D

Acq: 04 Jul 2019 03:05

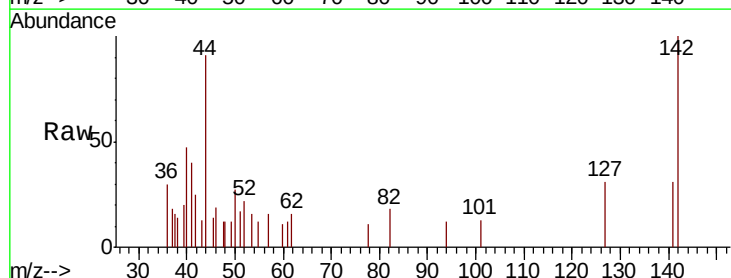
Tgt Ion: 142 Resp: 1023

Ion Ratio Lower Upper

142 100

127 45.0 31.1 46.7

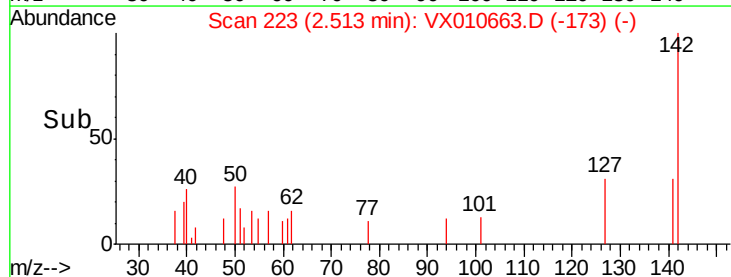
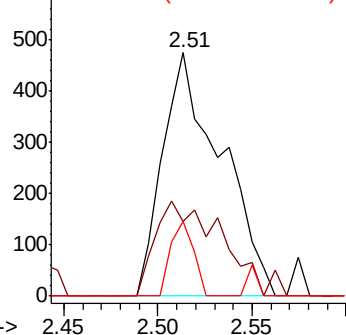
141 12.1 11.2 16.8

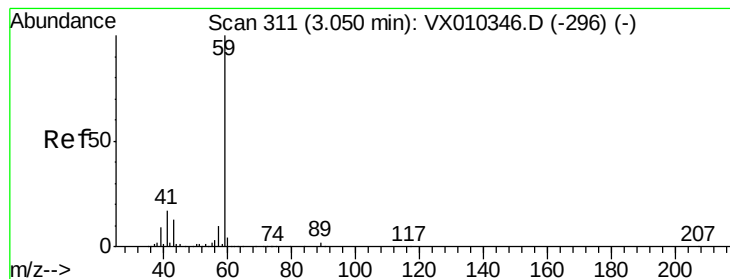


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 8.752 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX010663.D

Acq: 04 Jul 2019 03:05

Instrument :

MSVOA_X

ClientSampleId :

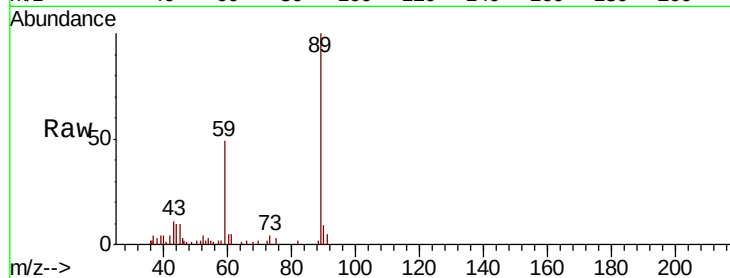
VX0703WBL02

Tot Ion: 59 Resp: 5130

Ion Ratio Lower Upper

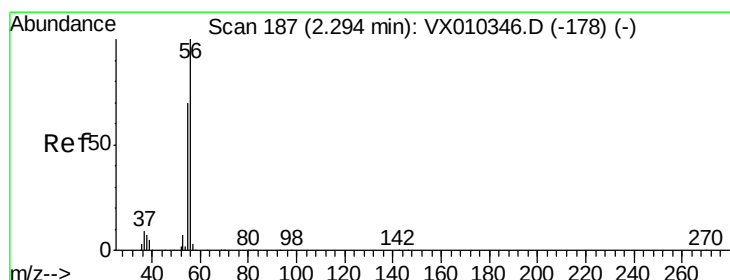
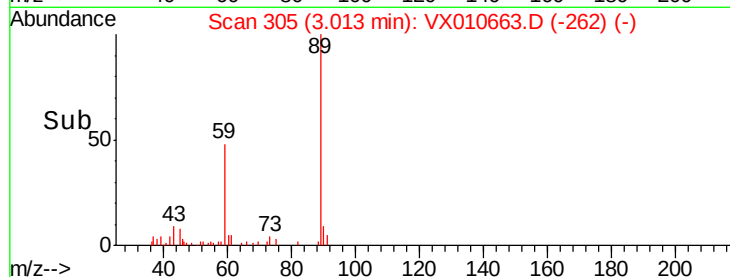
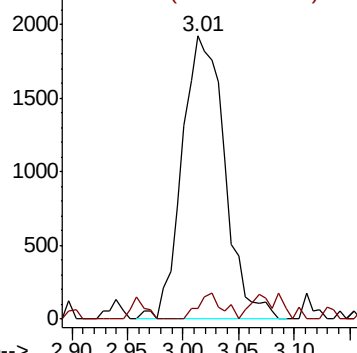
59 100

57 5.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 0.898 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010663.D

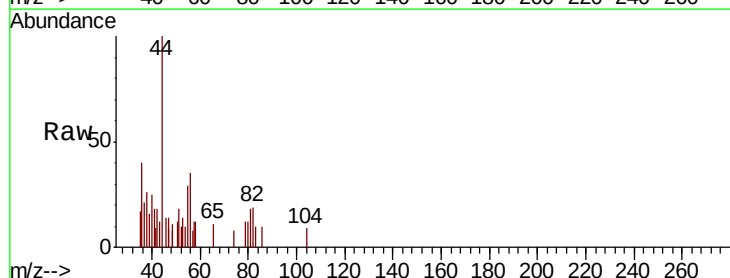
Acq: 04 Jul 2019 03:05

Tgt Ion: 56 Resp: 349

Ion Ratio Lower Upper

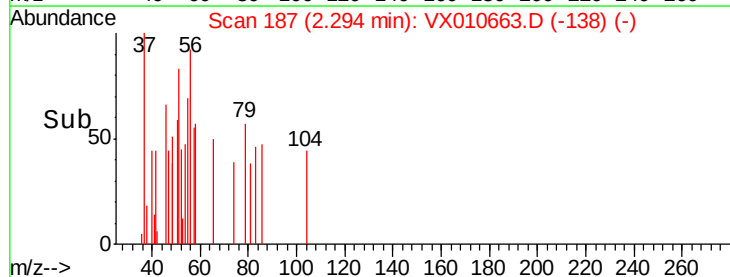
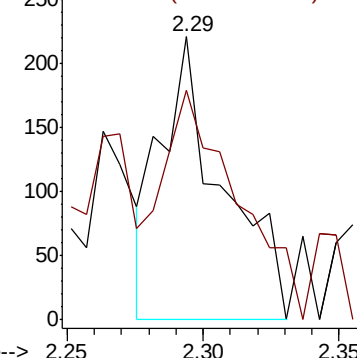
56 100

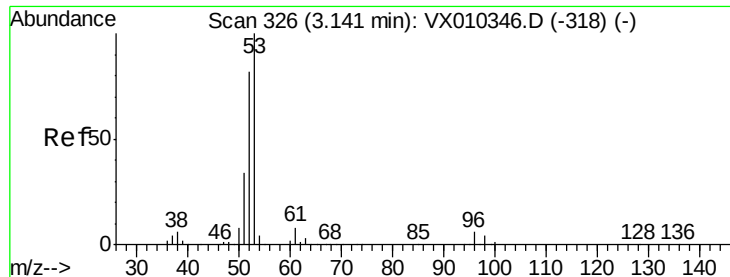
55 99.1 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.273 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.02 min

Lab File: VX010663.D

Acq: 04 Jul 2019 03:05

Instrument :

MSVOA_X

ClientSampled :

VX0703WBL02

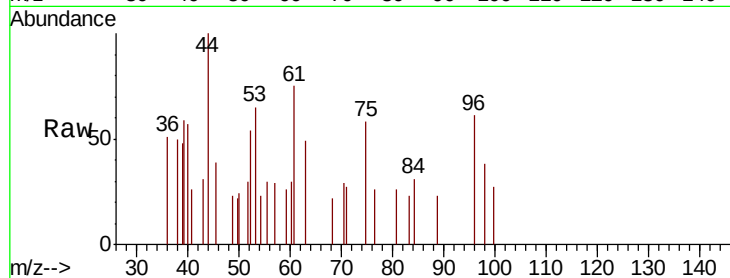
Tot Ion: 53 Resp: 317

Ion Ratio Lower Upper

53 100

52 91.2 65.5 98.3

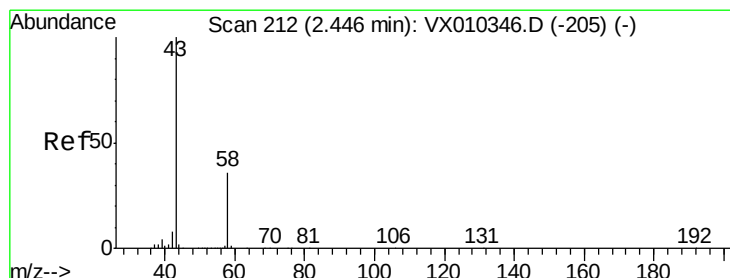
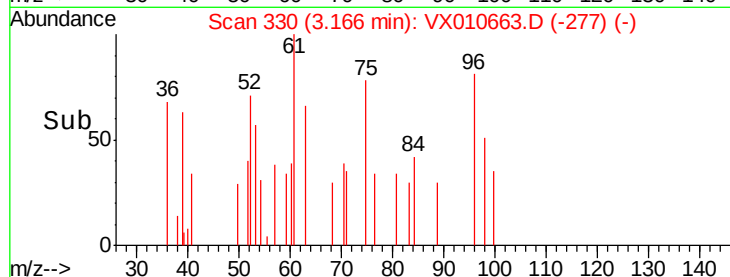
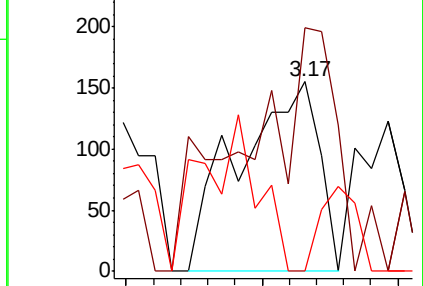
51 20.2 28.2 42.4#



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: 0.437 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010663.D

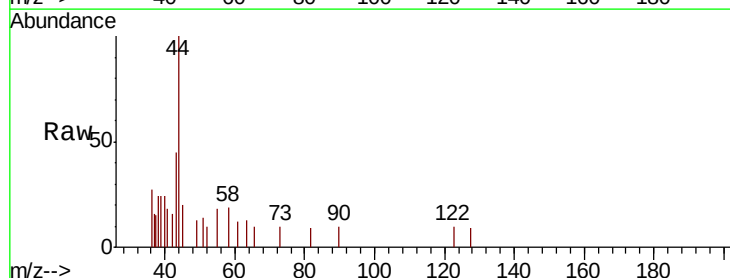
Acq: 04 Jul 2019 03:05

Tgt Ion: 43 Resp: 491

Ion Ratio Lower Upper

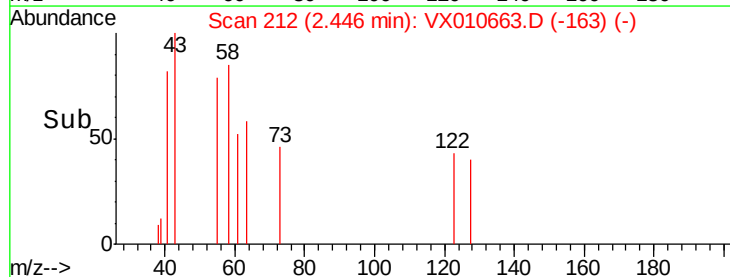
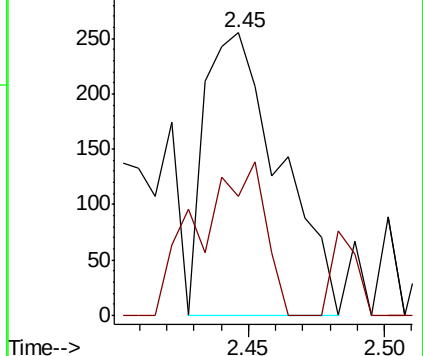
43 100

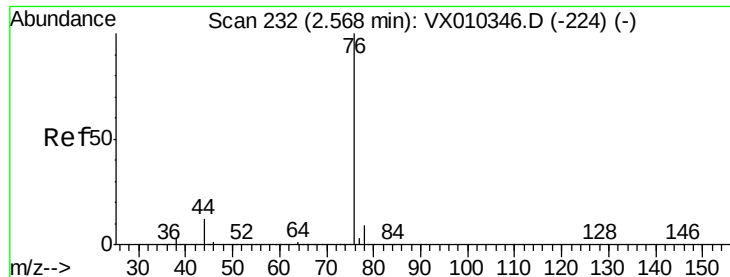
58 12.2 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.281 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010663.D

Acq: 04 Jul 2019 03:05

Instrument :

MSVOA_X

ClientSampleId :

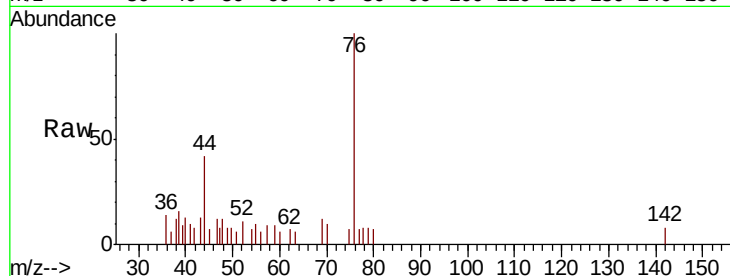
VX0703WBL02

Tot Ion: 76 Resp: 1562

Ion Ratio Lower Upper

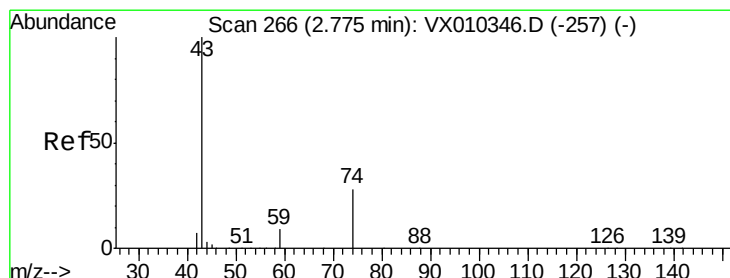
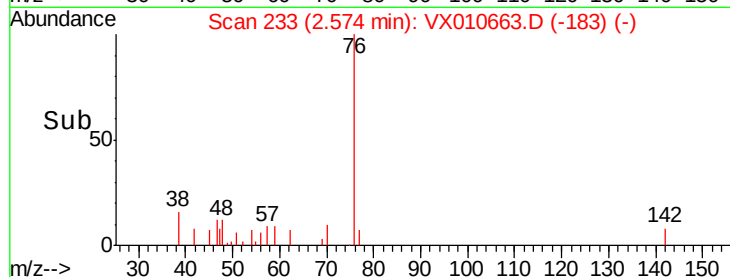
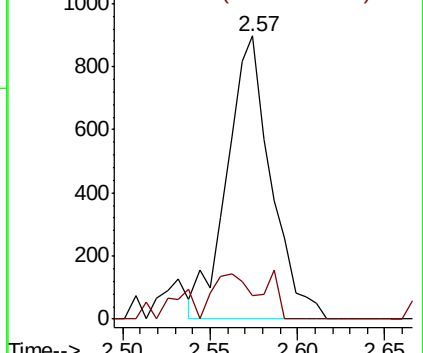
76 100

78 8.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.232 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010663.D

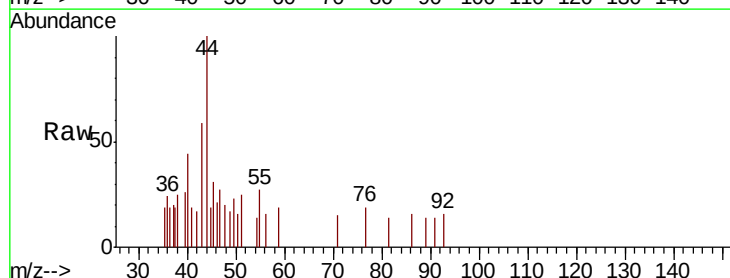
Acq: 04 Jul 2019 03:05

Tgt Ion: 43 Resp: 519

Ion Ratio Lower Upper

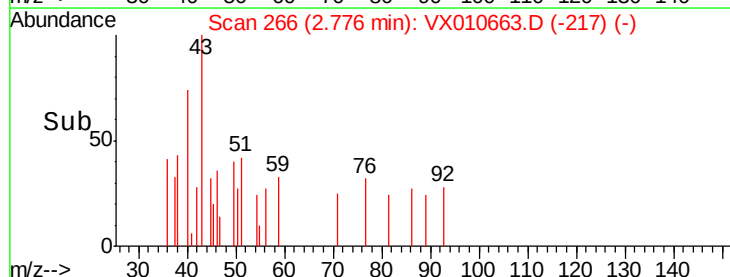
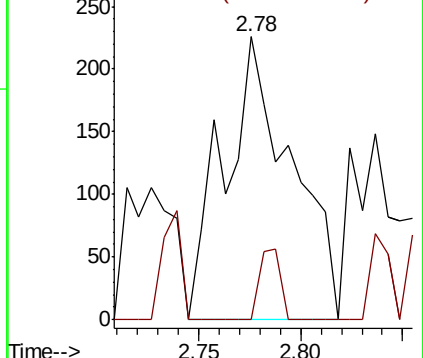
43 100

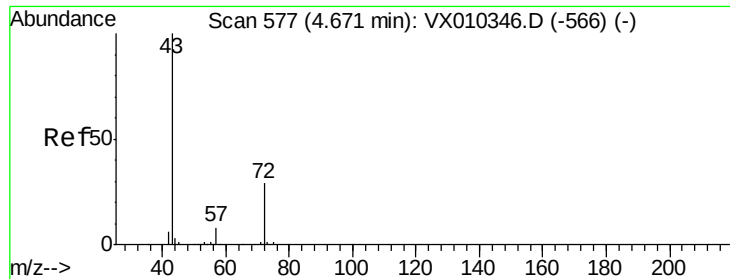
74 7.7 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 0.502 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX010663.D

Acq: 04 Jul 2019 03:05

Instrument :

MSVOA_X

ClientSampled :

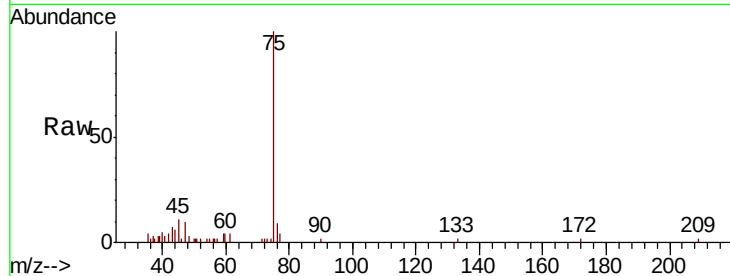
VX0703WBL02

Tot Ion: 43 Resp: 827

Ion Ratio Lower Upper

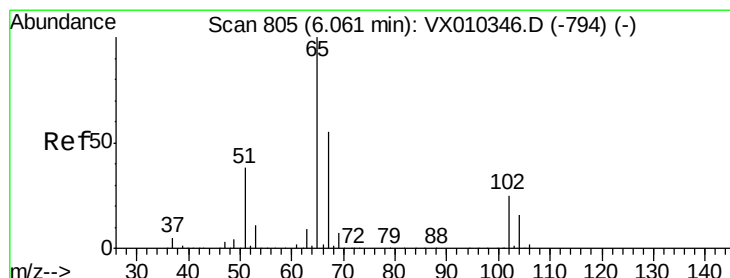
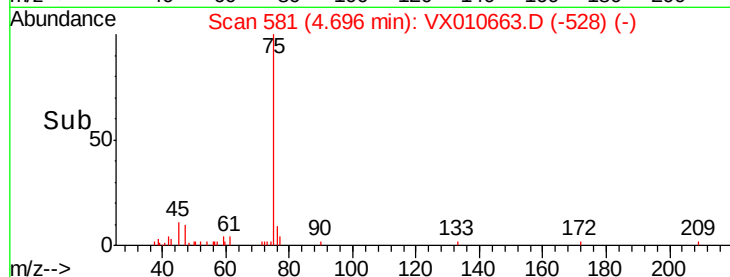
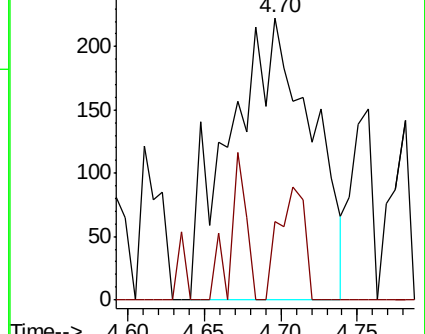
43 100

72 27.8 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 55.490 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010663.D

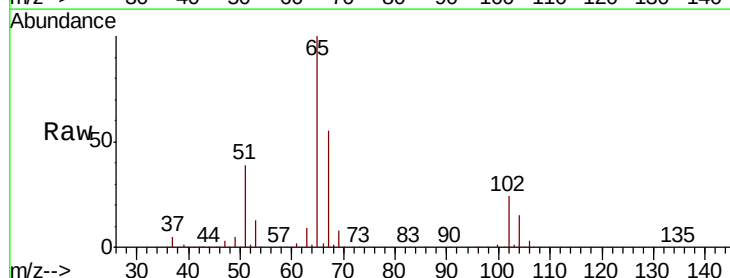
Acq: 04 Jul 2019 03:05

Tgt Ion: 65 Resp: 124296

Ion Ratio Lower Upper

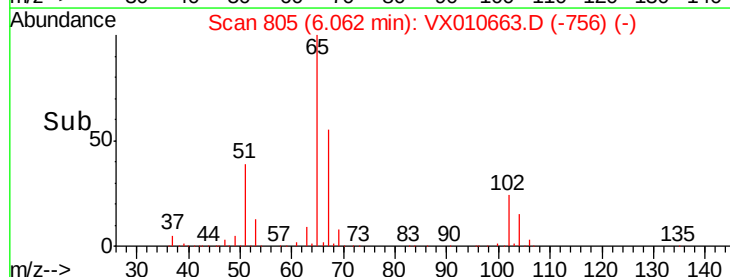
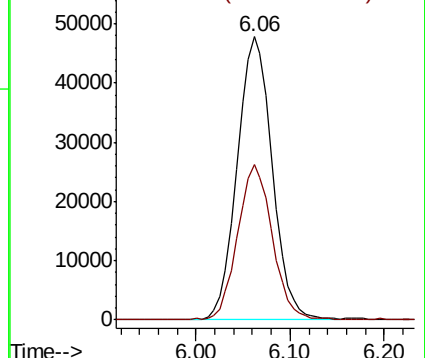
65 100

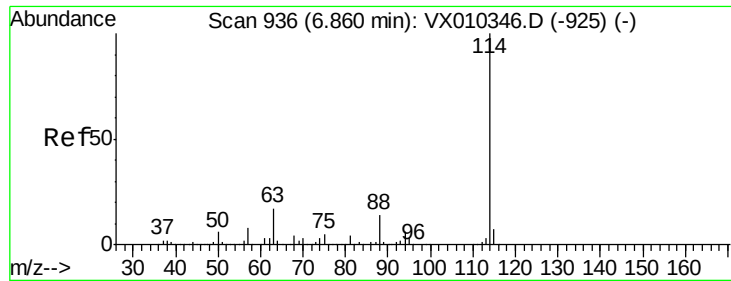
67 54.5 0.0 110.2



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: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010663.D

Acq: 04 Jul 2019 03:05

Instrument :

MSVOA_X

ClientSampleId :

VX0703WBL02

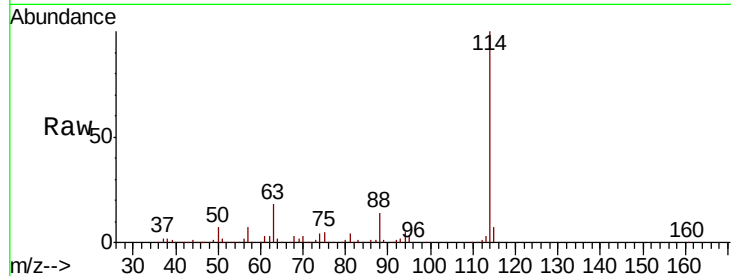
Tot Ion:114 Resp: 367495

Ion Ratio Lower Upper

114 100

63 18.1 0.0 33.8

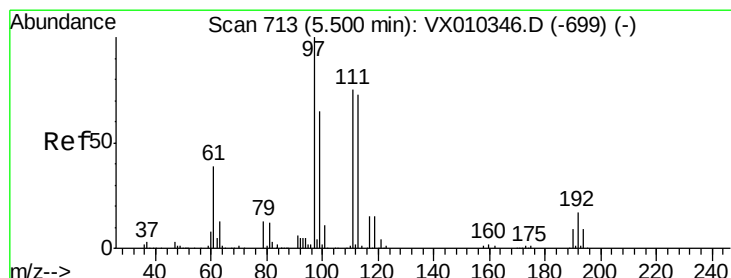
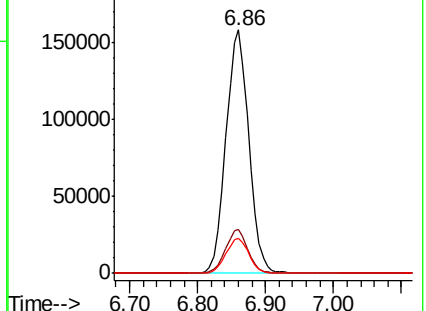
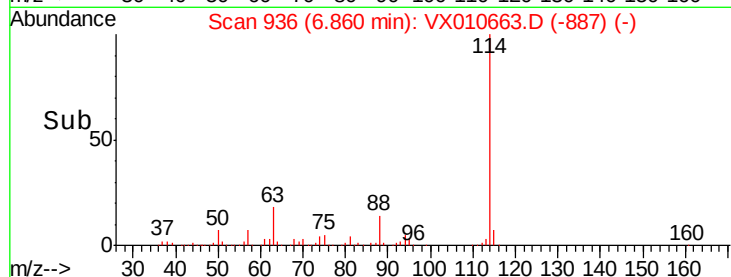
88 14.2 0.0 27.6



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: 52.487 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010663.D

Acq: 04 Jul 2019 03:05

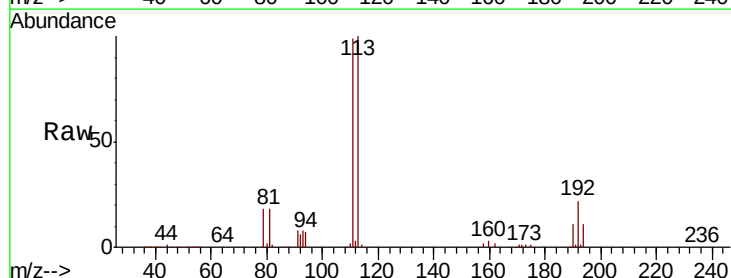
Tgt Ion:113 Resp: 118015

Ion Ratio Lower Upper

113 100

111 101.8 81.2 121.8

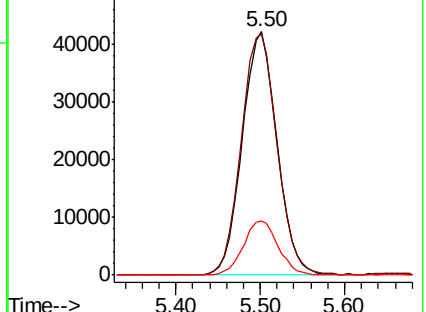
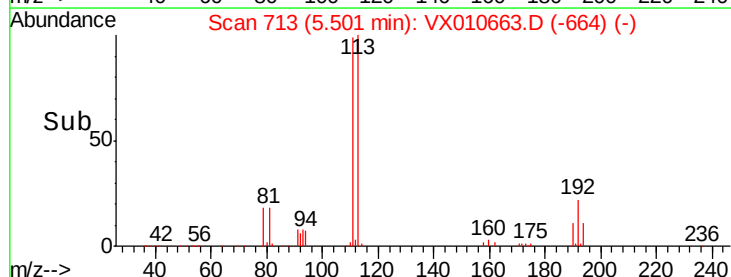
192 22.3 18.6 27.8

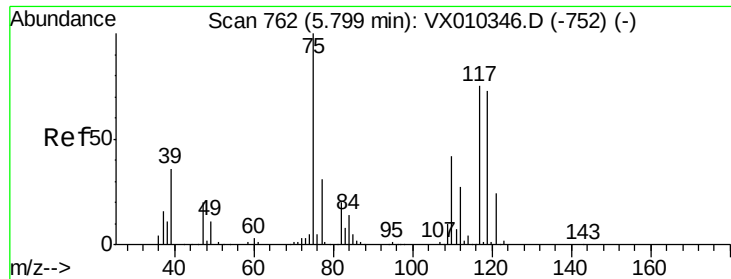


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

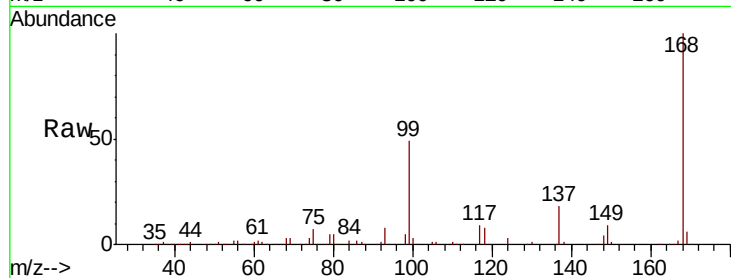




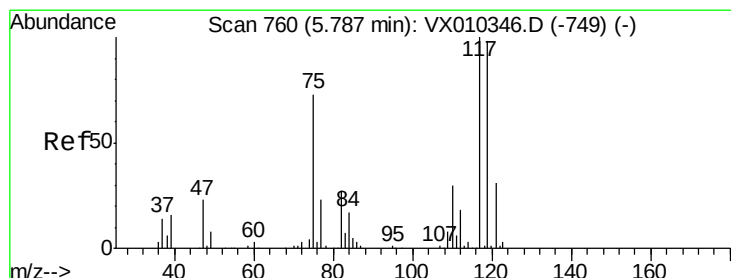
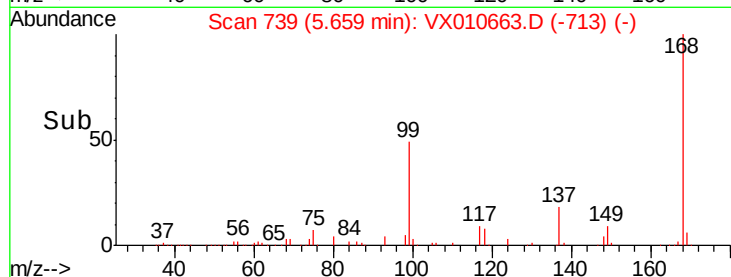
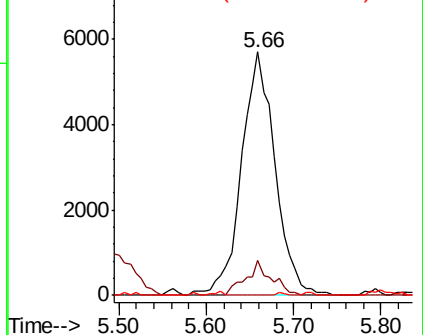
#36
 1,1-Dichloropropene
 Concen: 5.220 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010663.D
 Acq: 04 Jul 2019 03:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0703WBL02

Tot Ion: 75 Resp: 15244
 Ion Ratio Lower Upper
 75 100
 110 10.7 20.8 62.2#
 77 0.0 25.4 38.0#

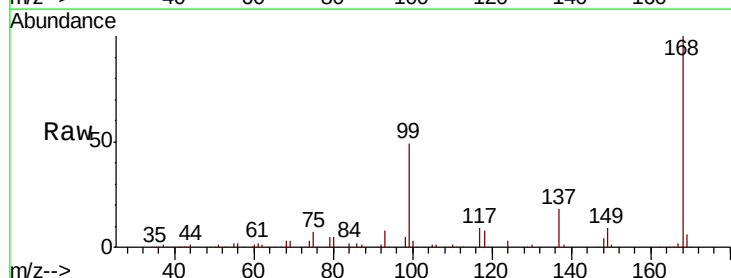


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

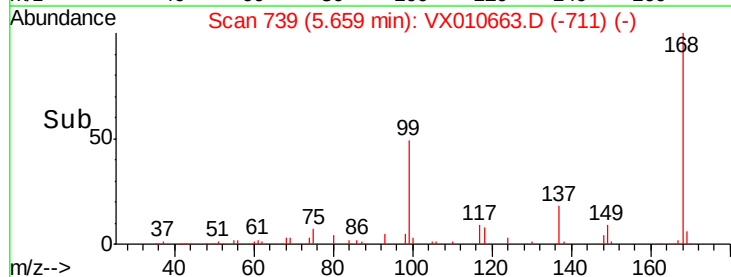
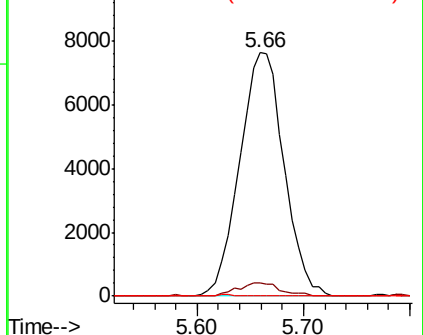


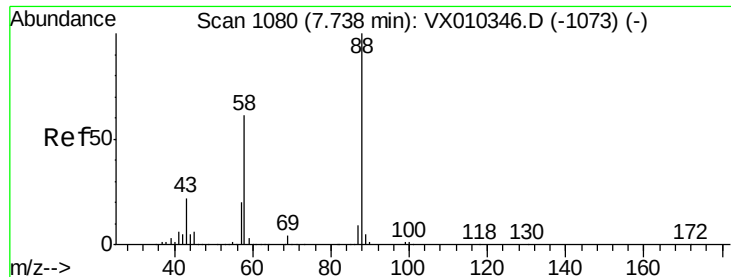
#38
 Carbon Tetrachloride
 Concen: 7.042 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010663.D
 Acq: 04 Jul 2019 03:05

Tgt Ion:117 Resp: 22269
 Ion Ratio Lower Upper
 117 100
 119 5.2 78.2 117.4#
 121 0.0 24.7 37.1#



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

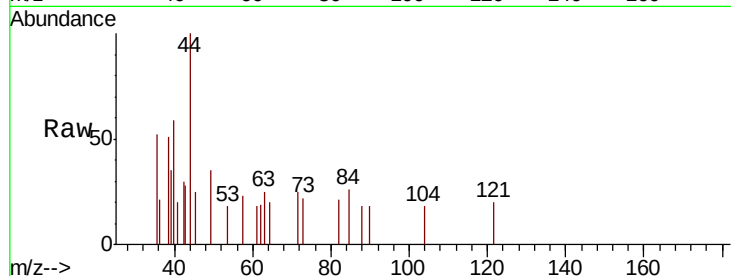




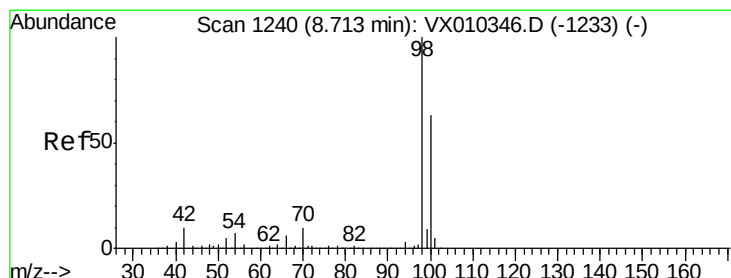
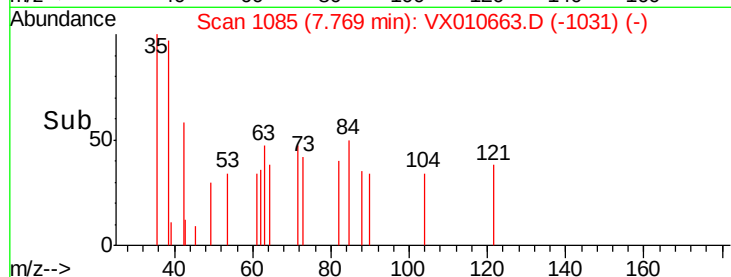
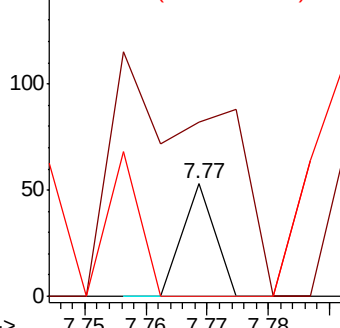
#49
 1,4-Dioxane
 Concen: 0.285 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.03 min
 Lab File: VX010663.D
 Acq: 04 Jul 2019 03:05

Instrument :
 MSVOA_X
 ClientSampled :
 VX0703WBL02

Tot Ion: 88 Resp: 19
 Ion Ratio Lower Upper
 88 100
 43 689.5 20.2 30.2#
 58 0.0 49.5 74.3#

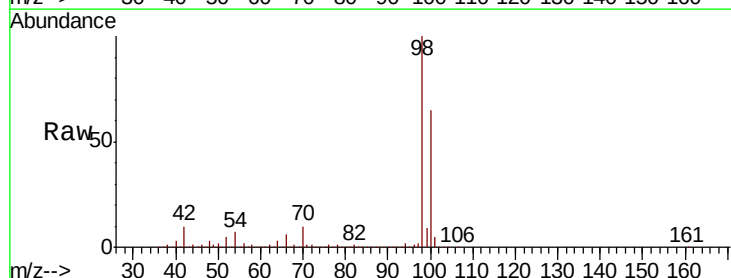


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

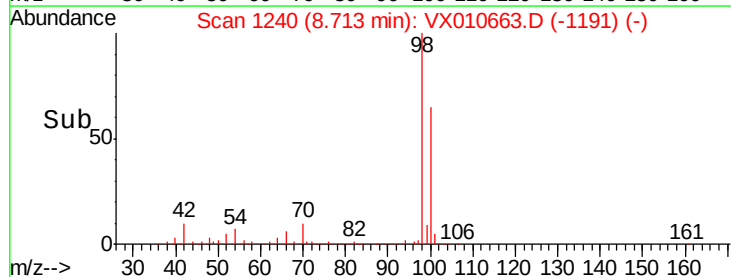
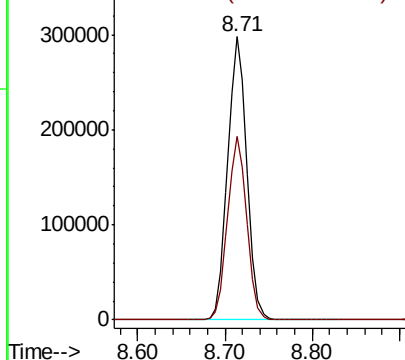


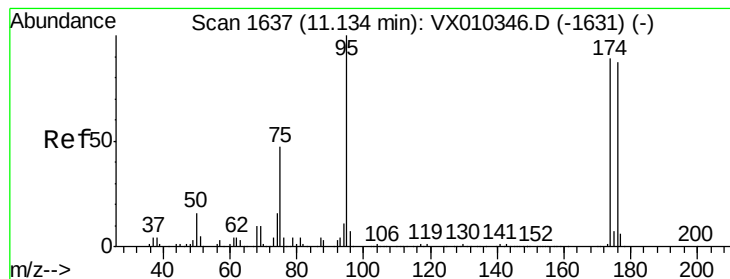
#50
 Toluene-d8
 Concen: 52.791 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX010663.D
 Acq: 04 Jul 2019 03:05

Tgt Ion: 98 Resp: 454120
 Ion Ratio Lower Upper
 98 100
 100 64.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 49.232 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010663.D

Acq: 04 Jul 2019 03:05

Instrument :

MSVOA_X

ClientSampleId :

VX0703WBL02

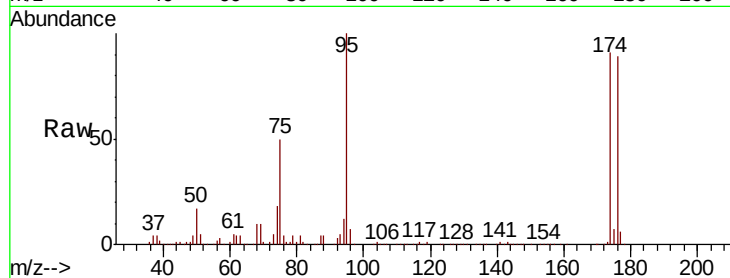
Tot Ion: 95 Resp: 152898

Ion Ratio Lower Upper

95 100

174 93.0 0.0 187.6

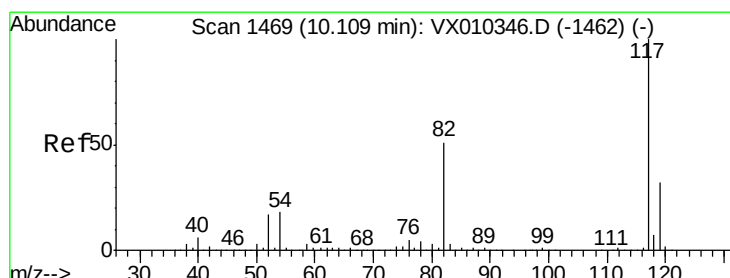
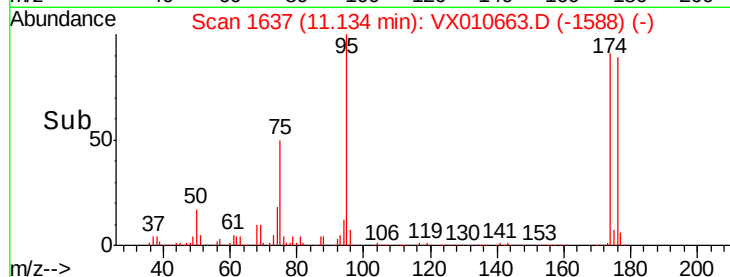
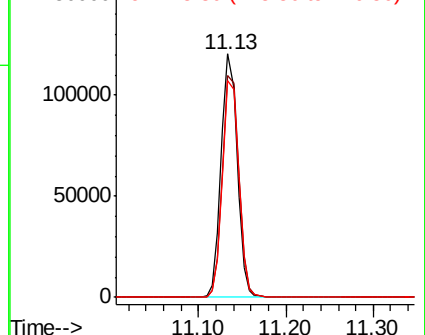
176 90.4 0.0 184.0



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: VX010663.D

Acq: 04 Jul 2019 03:05

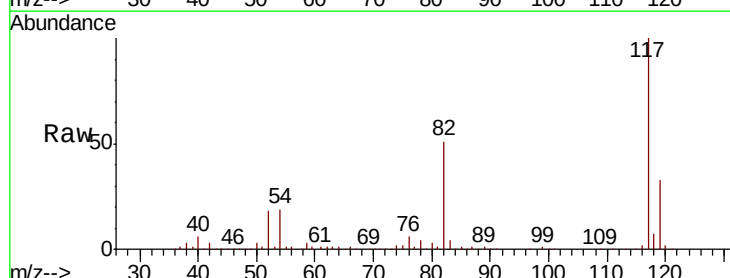
Tgt Ion: 117 Resp: 334576

Ion Ratio Lower Upper

117 100

82 51.0 41.2 61.8

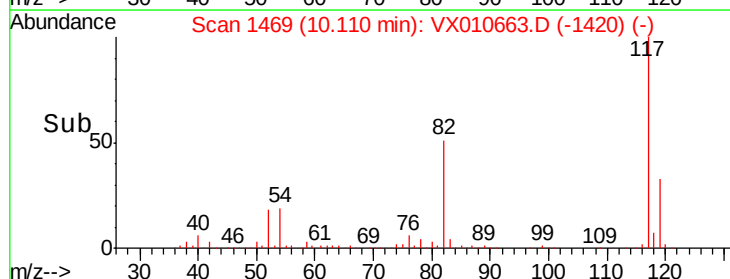
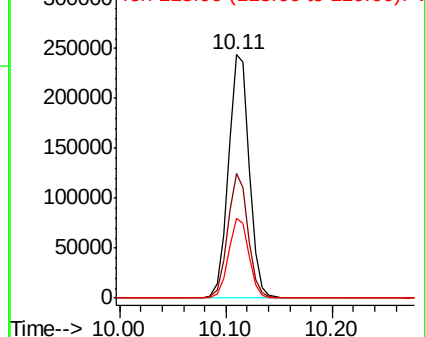
119 32.9 25.5 38.3

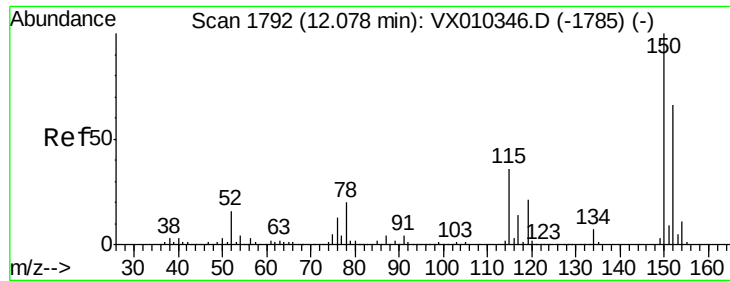


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX010663.D

Acq: 04 Jul 2019 03:05

Instrument :

MSVOA_X

ClientSampleId :

VX0703WBL02

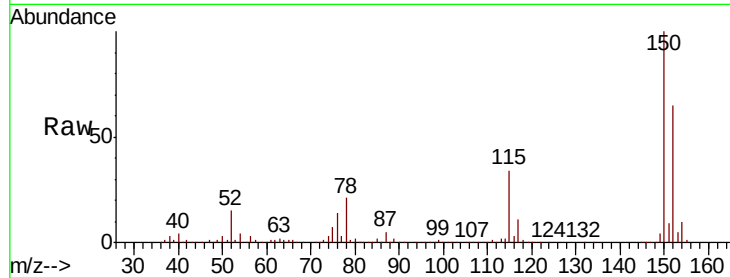
Tot Ion:152 Resp: 153031

Ion Ratio Lower Upper

152 100

115 54.5 38.6 115.7

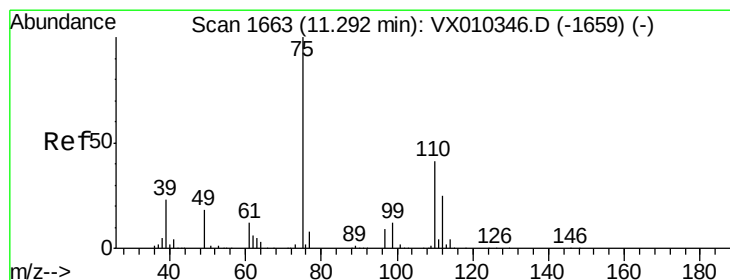
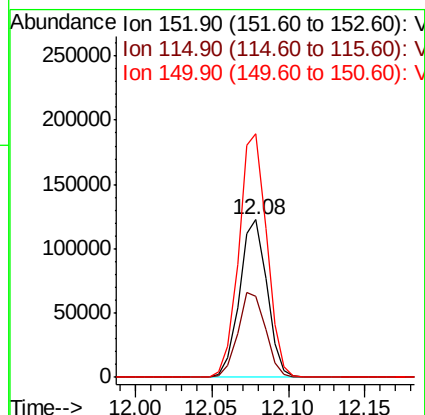
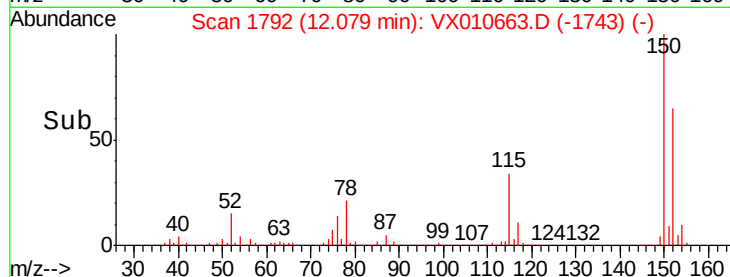
150 156.8 0.0 347.4



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: 26.802 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010663.D

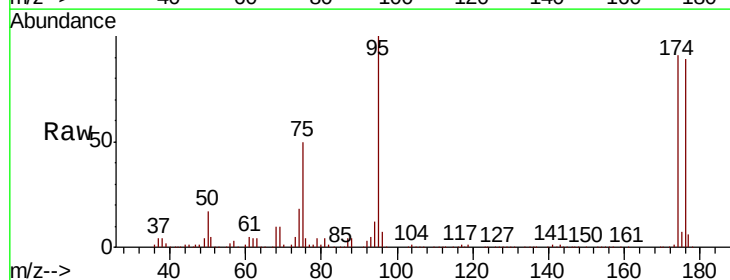
Acq: 04 Jul 2019 03:05

Tgt Ion: 75 Resp: 74740

Ion Ratio Lower Upper

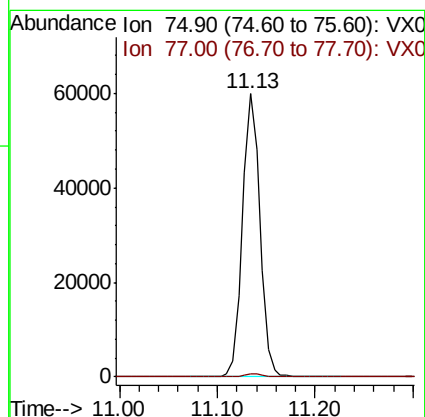
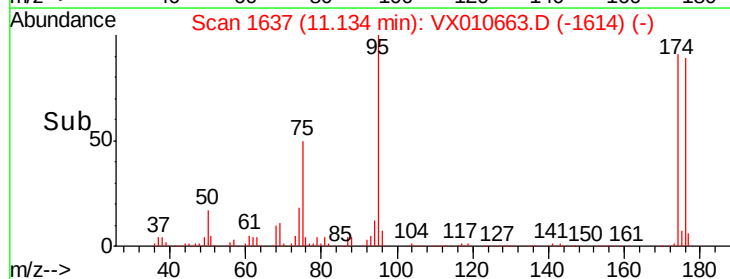
75 100

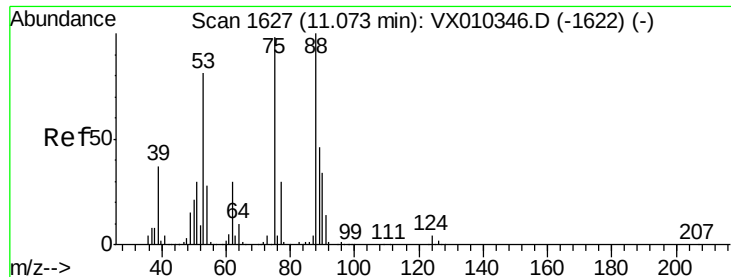
77 1.4 22.6 67.8#



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: 62.526 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010663.D

Acq: 04 Jul 2019 03:05

Instrument :

MSVOA_X

ClientSampleId :

VX0703WBL02

Tot Ion: 75 Resp: 74740

Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

89 0.0 37.8 56.6#

