

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053019\
 Data File : VX009955.D
 Acq On : 30 May 2019 13:07
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: May 31 05:32:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	170834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	276281	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248227	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110054	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	118729	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
35) Dibromofluoromethane	5.50	113	86095	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
50) Toluene-d8	8.71	98	353366	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	11.13	95	118207	46.66	ug/l	0.00
Spiked Amount			Recovery	=	93.32%	

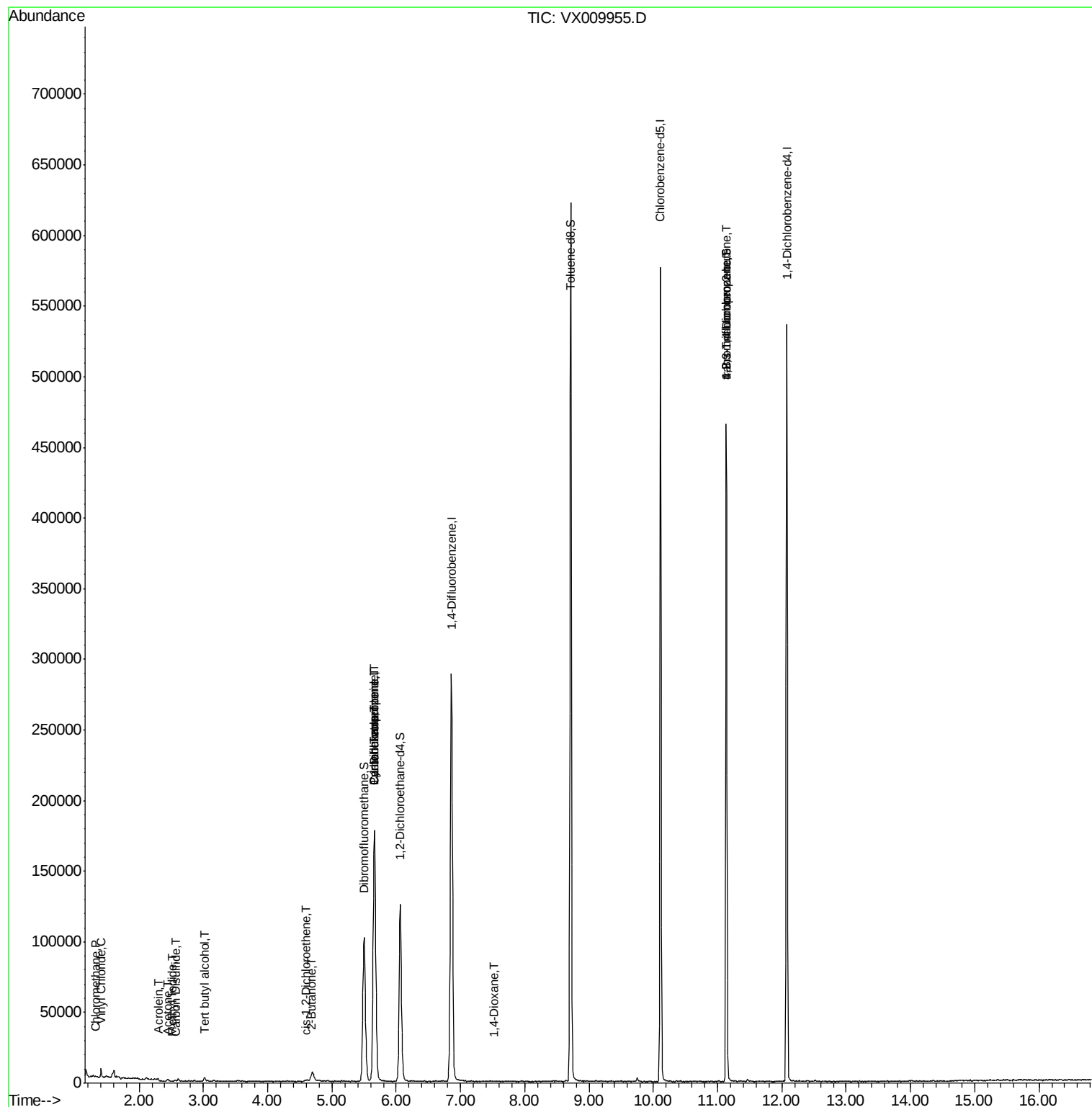
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	663	0.236	ug/l #	58
4) Vinyl Chloride	1.41	62	4077	1.612	ug/l	95
10) Methyl Iodide	2.52	142	238	4.760	ug/l #	78
11) Tert butyl alcohol	3.02	59	1506	2.536	ug/l #	77
13) Acrolein	2.29	56	156	21.436	ug/l #	14
16) Acetone	2.44	43	1618	1.160	ug/l #	84
17) Carbon Disulfide	2.57	76	732	0.523	ug/l #	64
25) 2-Butanone	4.68	43	1010	0.465	ug/l #	54
27) cis-1,2-Dichloroethene	4.60	96	848	0.382	ug/l	87
31) Cyclohexane	5.66	56	3963	1.079	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14057	5.015	ug/l #	50
38) Carbon Tetrachloride	5.66	117	16350	6.750	ug/l #	16
49) 1,4-Dioxane	7.53	88	22	0.379	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	61380	23.323	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61380	57.705	ug/l #	10

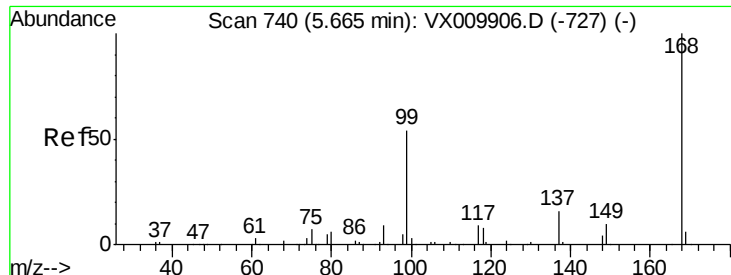
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009955.D

Acq: 30 May 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

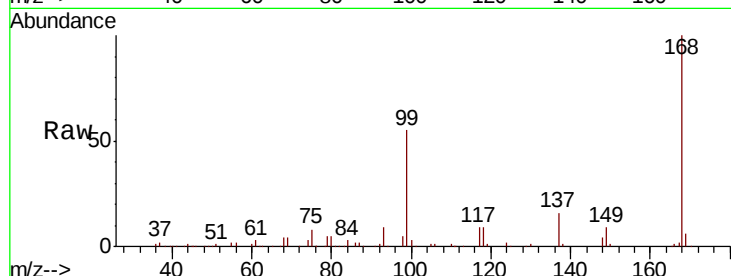
IBLK

Tot Ion:168 Resp: 170834

Ion Ratio Lower Upper

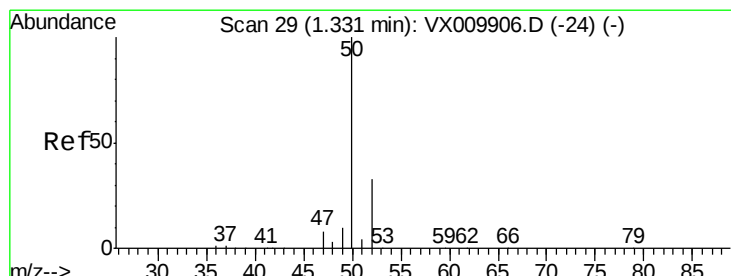
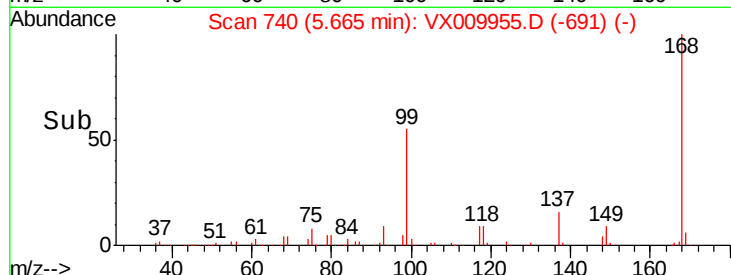
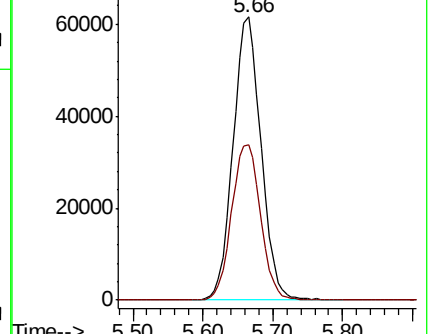
168 100

99 55.1 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.236 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX009955.D

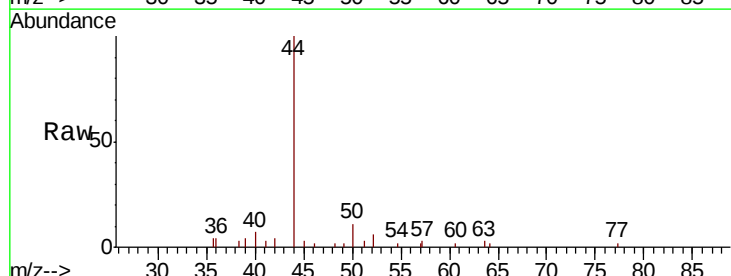
Acq: 30 May 2019 13:07

Tgt Ion: 50 Resp: 663

Ion Ratio Lower Upper

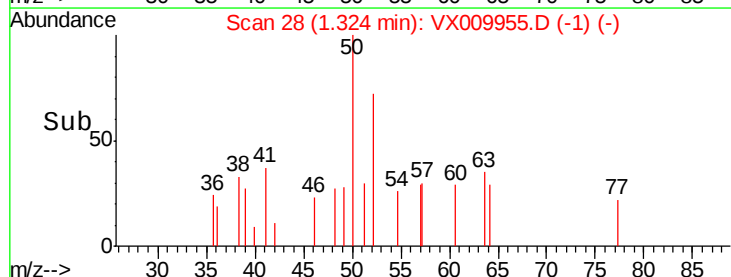
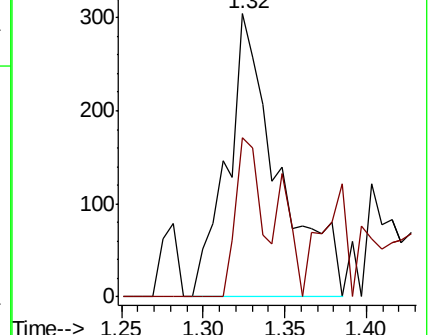
50 100

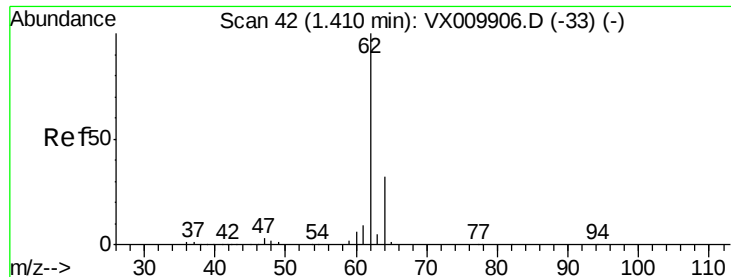
52 56.2 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 1.612 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009955.D

Acq: 30 May 2019 13:07

Instrument :

MSVOA_X

ClientSampled :

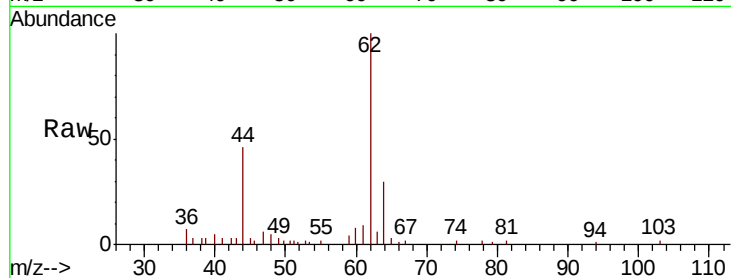
IBLK

Tot Ion: 62 Resp: 4077

Ion Ratio Lower Upper

62 100

64 29.6 25.7 38.5

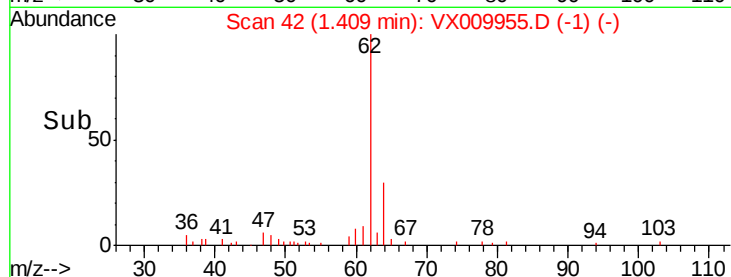


Abundance Ion 61.90 (61.60 to 62.60): VX009906.D (-33) (-)

Ion 63.90 (63.60 to 64.60): VX009906.D (-33) (-)

1.41

Time-->

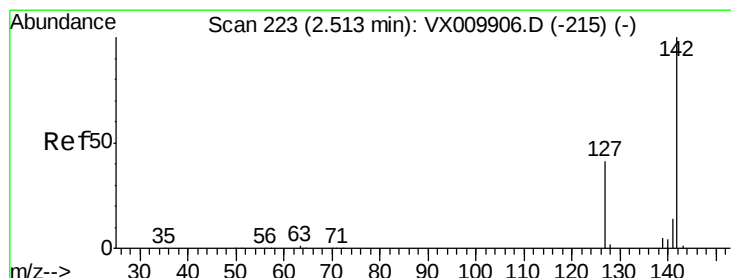


Abundance Ion 61.90 (61.60 to 62.60): VX009906.D (-33) (-)

Ion 63.90 (63.60 to 64.60): VX009906.D (-33) (-)

1.41

Time-->



#10

Methyl Iodide

Concen: 4.760 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009955.D

Acq: 30 May 2019 13:07

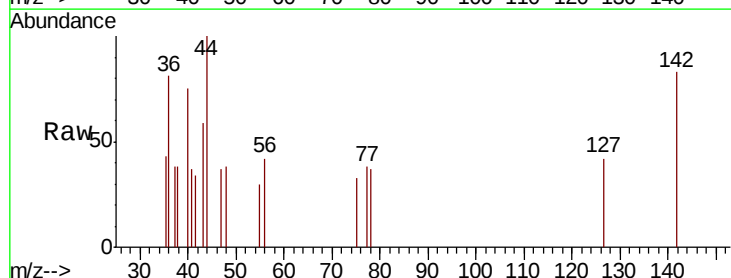
Tgt Ion: 142 Resp: 238

Ion Ratio Lower Upper

142 100

127 29.8 33.0 49.4#

141 0.0 11.4 17.0#



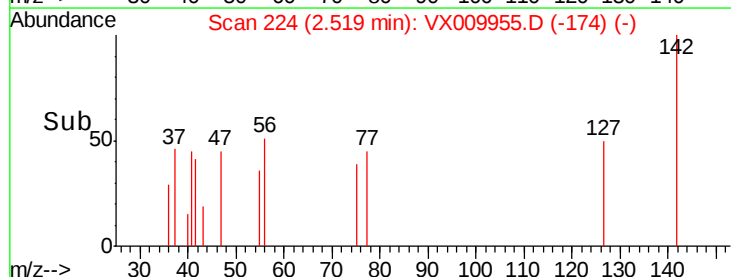
Abundance Ion 141.80 (141.50 to 142.50): VX009906.D (-215) (-)

Ion 126.80 (126.50 to 127.50): VX009906.D (-215) (-)

Ion 140.80 (140.50 to 141.50): VX009906.D (-215) (-)

2.52

Time-->



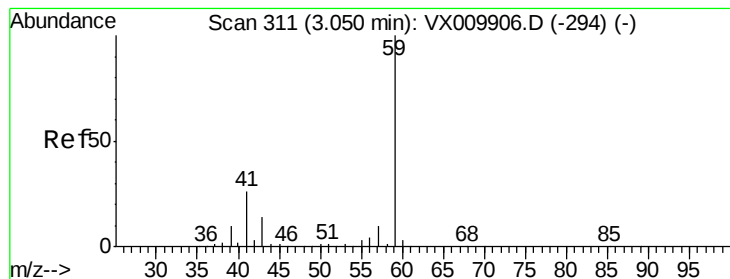
Abundance Ion 141.80 (141.50 to 142.50): VX009906.D (-215) (-)

Ion 126.80 (126.50 to 127.50): VX009906.D (-215) (-)

Ion 140.80 (140.50 to 141.50): VX009906.D (-215) (-)

2.52

Time-->

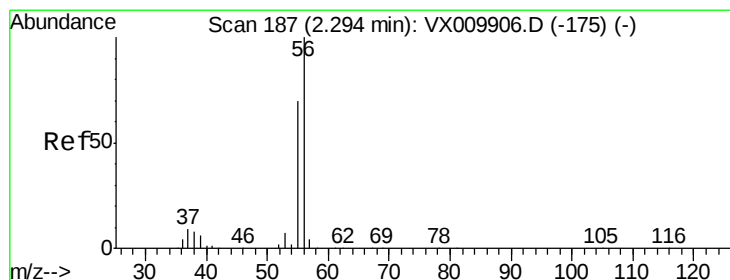
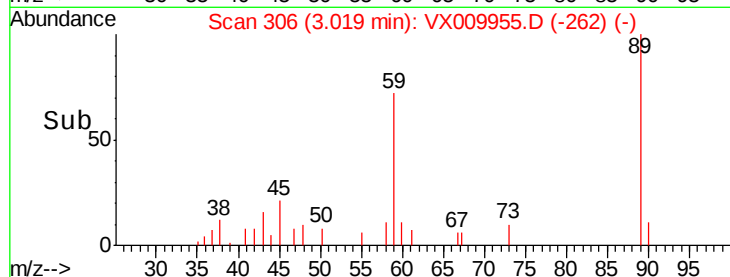
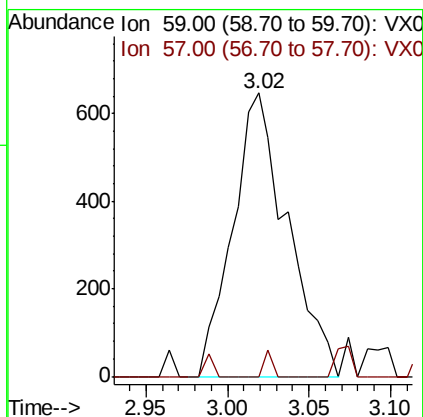
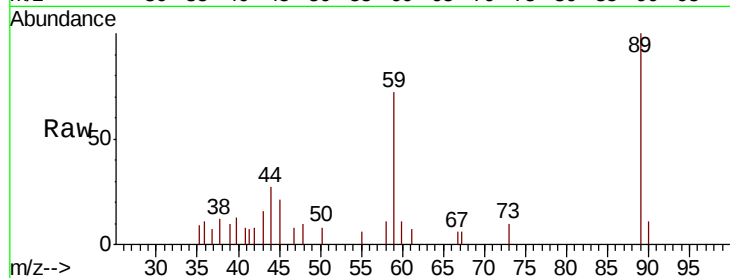


#11

Tert butyl alcohol
 Concen: 2.536 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX009955.D
 Acq: 30 May 2019 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

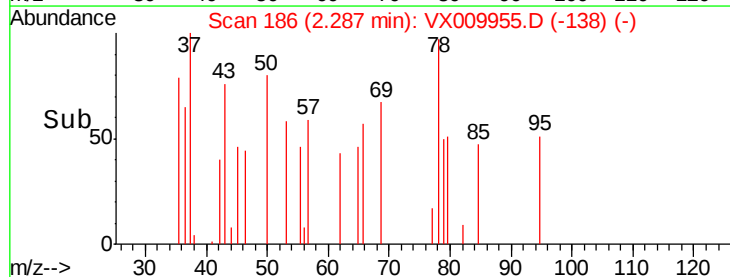
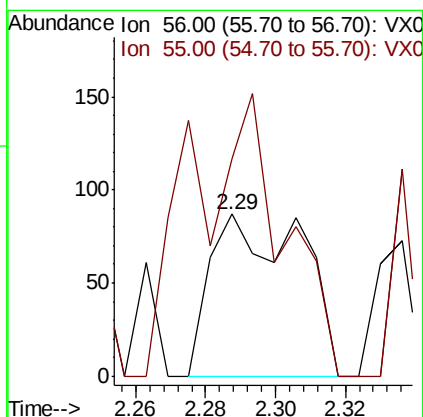
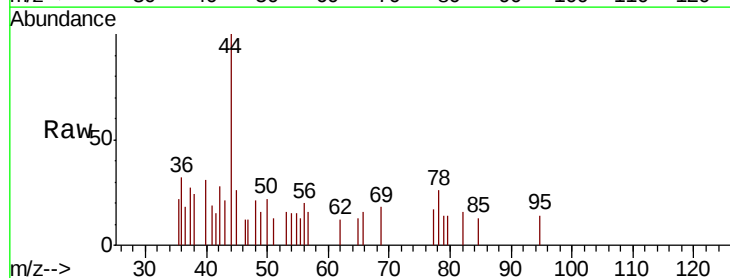
Tot Ion: 59 Resp: 1506
 Ion Ratio Lower Upper
 59 100
 57 1.5 8.2 12.2#

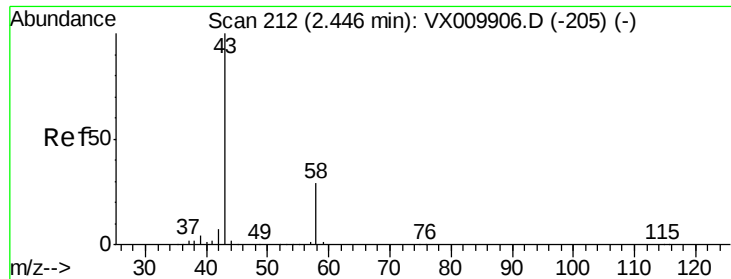


#13

Acrolein
 Concen: 21.436 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX009955.D
 Acq: 30 May 2019 13:07

Tgt Ion: 56 Resp: 156
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.0 85.4#





#16

Acetone

Concen: 1.160 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009955.D

Acq: 30 May 2019 13:07

Instrument :

MSVOA_X

ClientSampled :

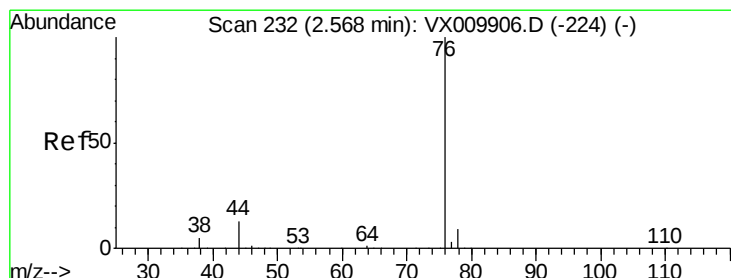
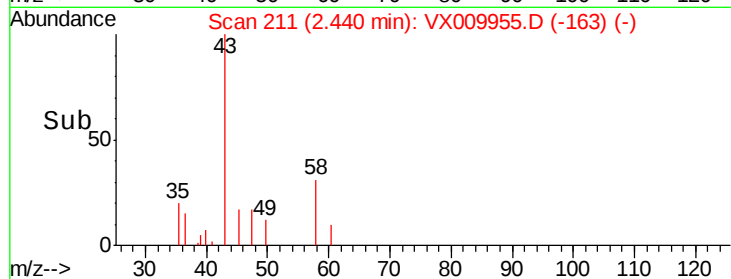
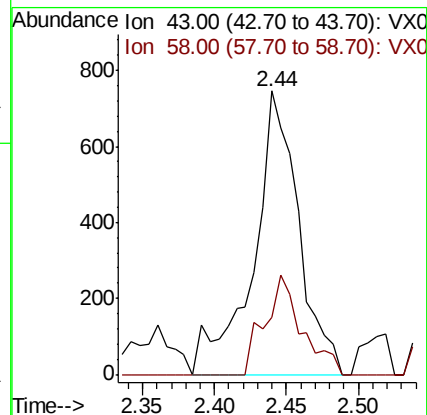
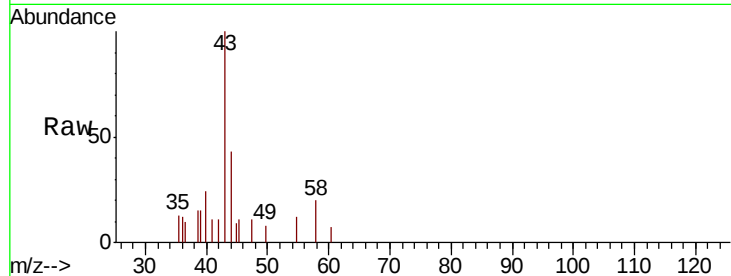
IBLK

Tot Ion: 43 Resp: 1618

Ion Ratio Lower Upper

43 100

58 20.2 23.2 34.8#



#17

Carbon Disulfide

Concen: 0.523 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009955.D

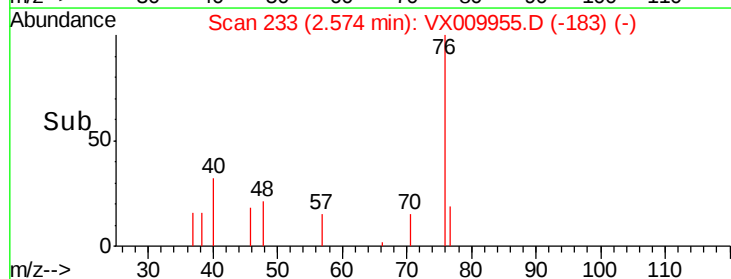
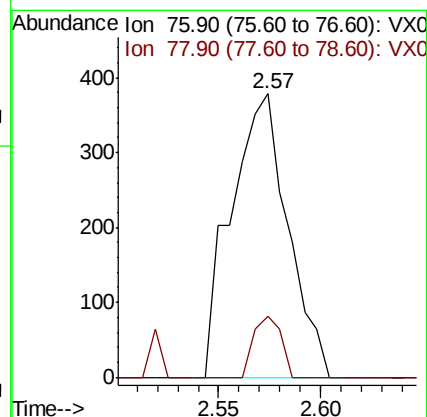
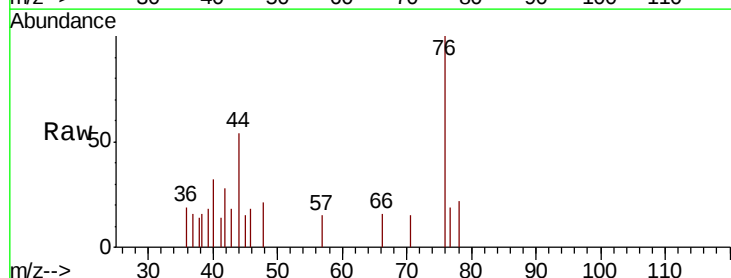
Acq: 30 May 2019 13:07

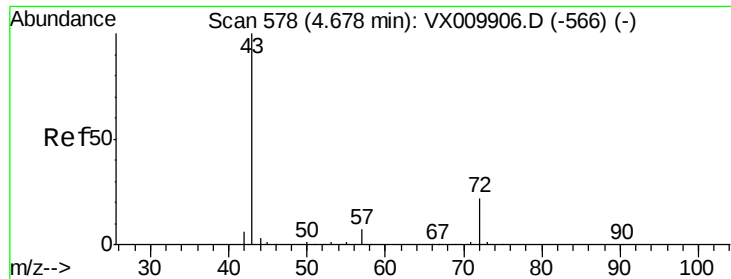
Tgt Ion: 76 Resp: 732

Ion Ratio Lower Upper

76 100

78 21.7 7.0 10.6#





#25

2-Butanone

Concen: 0.465 ug/l

RT: 4.68 min Scan# 578

Delta R.T. -0.00 min

Lab File: VX009955.D

Acq: 30 May 2019 13:07

Instrument :

MSVOA_X

ClientSampled :

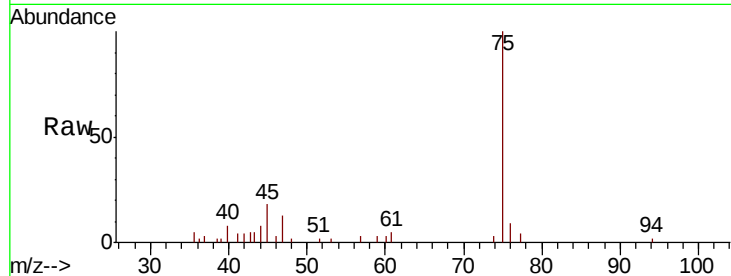
IBLK

Tot Ion: 43 Resp: 1010

Ion Ratio Lower Upper

43 100

72 0.0 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.68

250

200

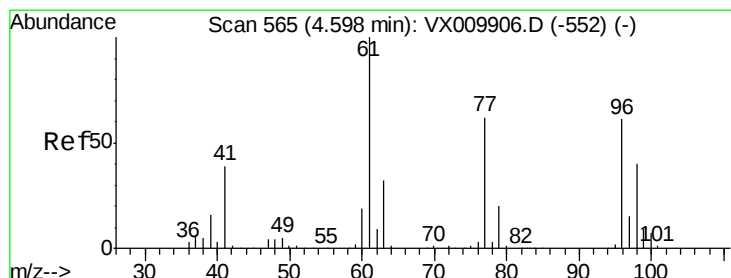
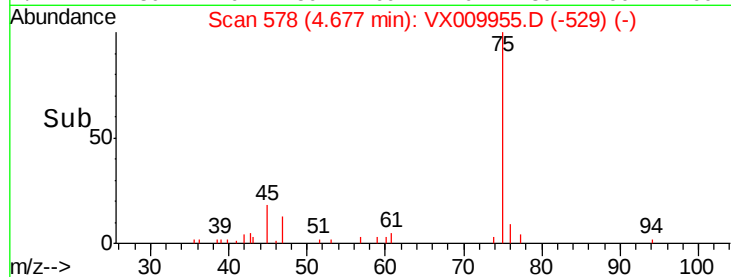
150

100

50

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 0.382 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX009955.D

Acq: 30 May 2019 13:07

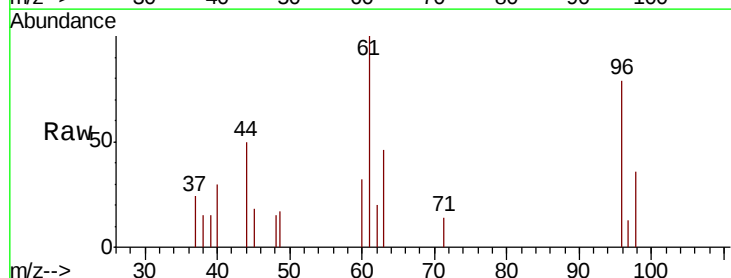
Tgt Ion: 96 Resp: 848

Ion Ratio Lower Upper

96 100

61 171.2 0.0 334.0

98 35.6 0.0 131.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

600

500

400

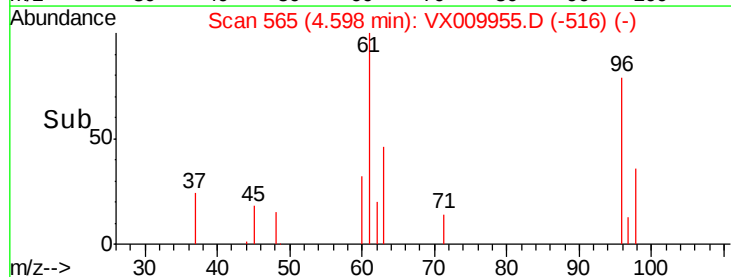
300

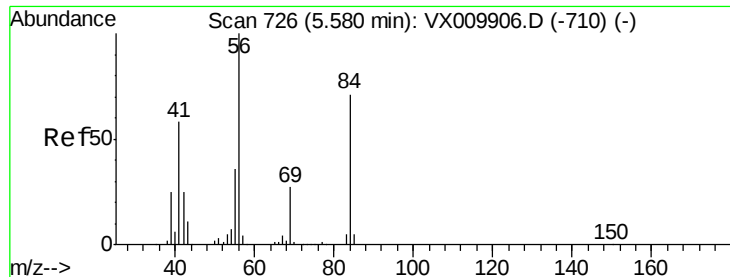
200

100

0

Time-->

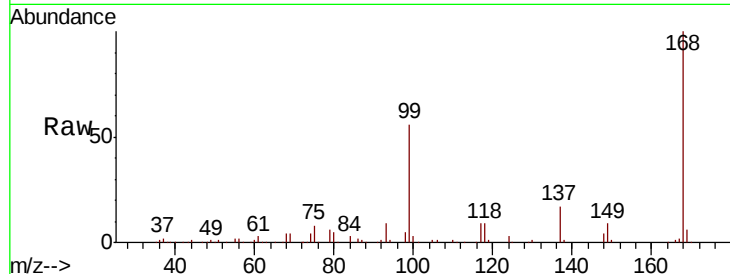




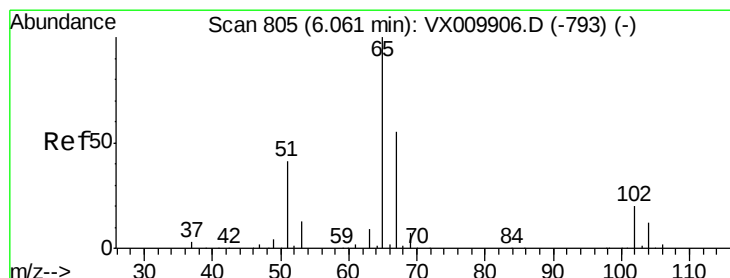
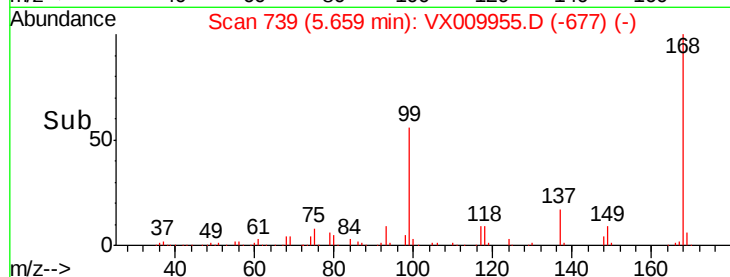
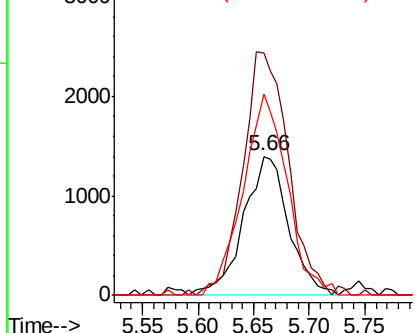
#31
Cyclohexane
Concen: 1.079 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009955.D
Acq: 30 May 2019 13:07

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tot Ion: 56 Resp: 3963
Ion Ratio Lower Upper
56 100
69 169.8 21.6 32.4#
84 145.2 56.8 85.2#

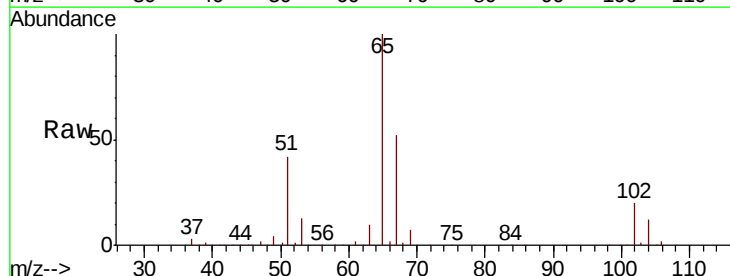


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

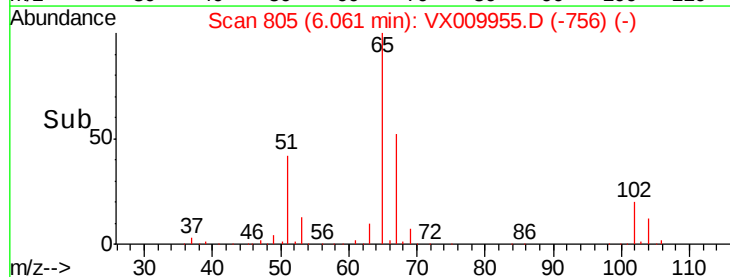
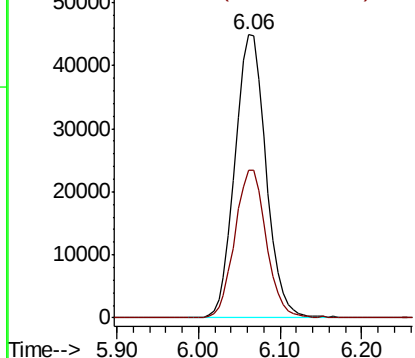


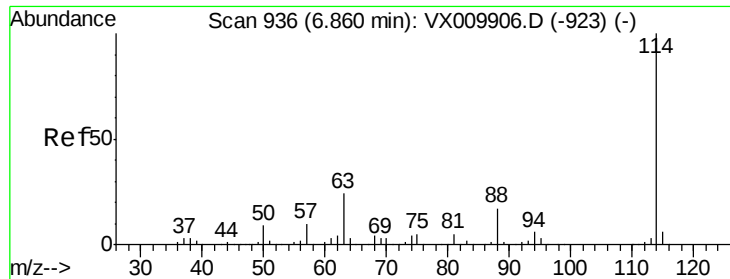
#33
1,2-Dichloroethane-d4
Concen: 49.200 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009955.D
Acq: 30 May 2019 13:07

Tgt Ion: 65 Resp: 118729
Ion Ratio Lower Upper
65 100
67 52.7 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

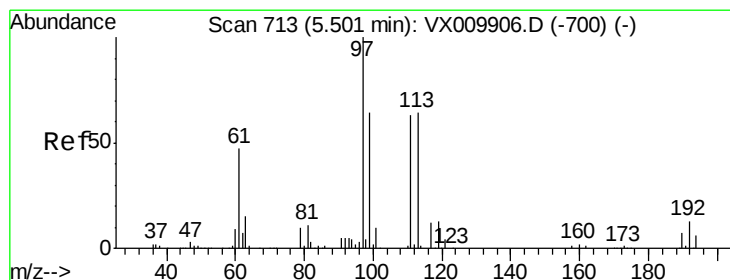
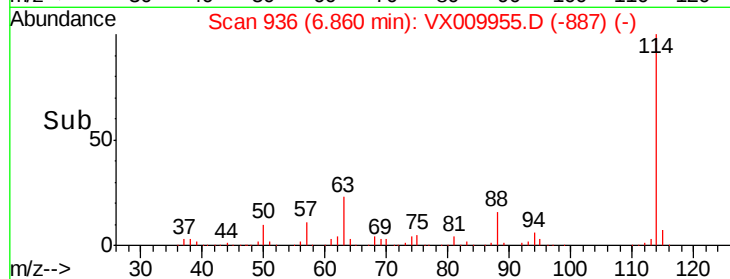
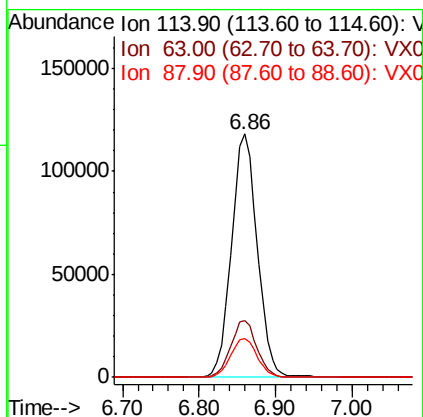
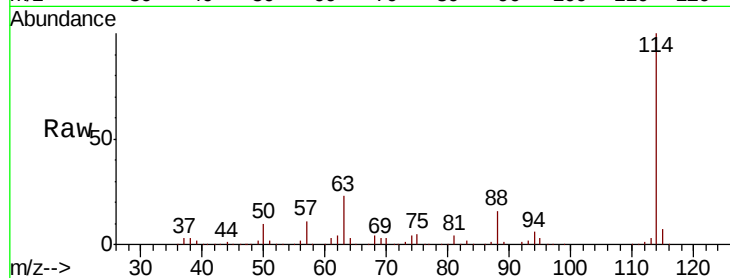




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009955.D
 Acq: 30 May 2019 13:07

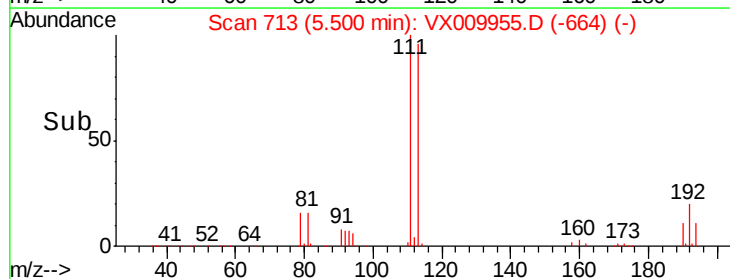
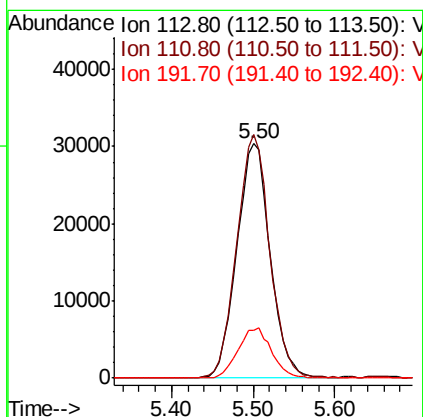
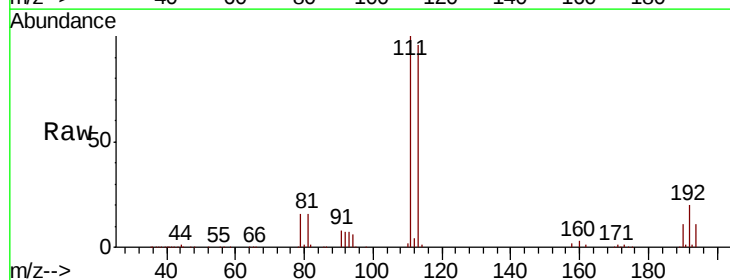
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

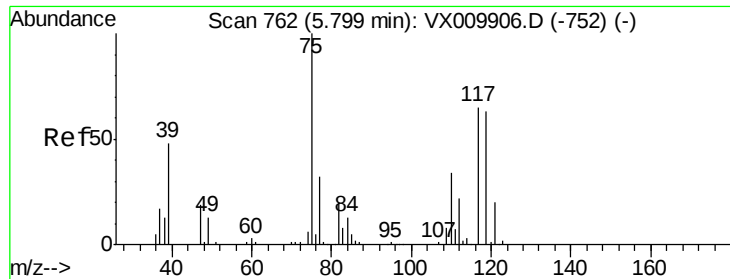
Tot Ion:114 Resp: 276281
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 47.4
 88 16.0 0.0 33.0



#35
 Dibromofluoromethane
 Concen: 49.566 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX009955.D
 Acq: 30 May 2019 13:07

Tgt Ion:113 Resp: 86095
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.2 123.2
 192 21.6 17.1 25.7





#36

1,1-Dichloropropene

Concen: 5.015 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009955.D

Acq: 30 May 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

IBLK

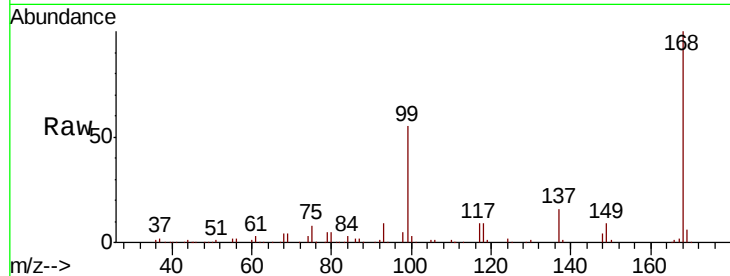
Tot Ion: 75 Resp: 14057

Ion Ratio Lower Upper

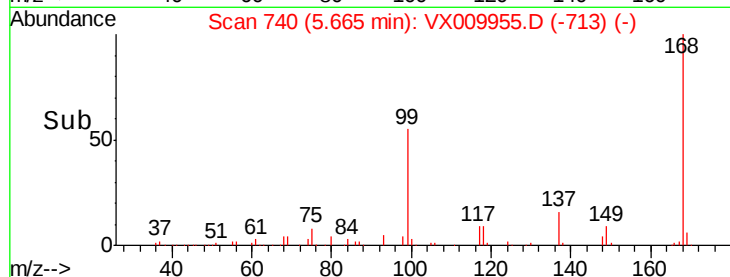
75 100

110 8.3 16.7 50.1#

77 0.0 25.0 37.4#



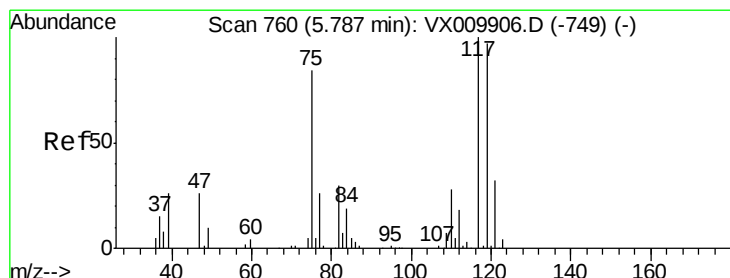
Abundance Ion 74.90 (74.60 to 75.60): VX009955.D (-713) (-)



Ion 109.90 (109.60 to 110.60): VX009955.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX009955.D (-713) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.750 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009955.D

Acq: 30 May 2019 13:07

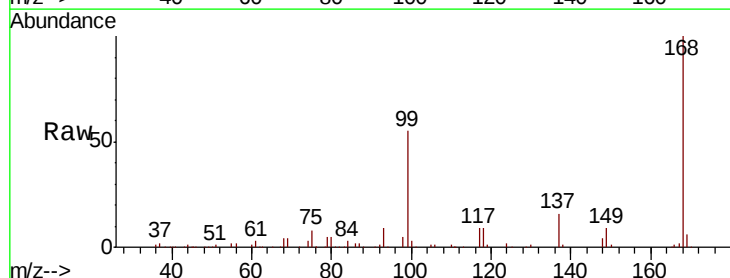
Tgt Ion: 117 Resp: 16350

Ion Ratio Lower Upper

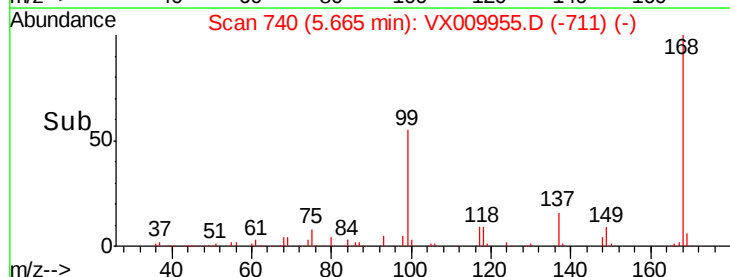
117 100

119 5.8 77.3 115.9#

121 0.0 25.4 38.0#



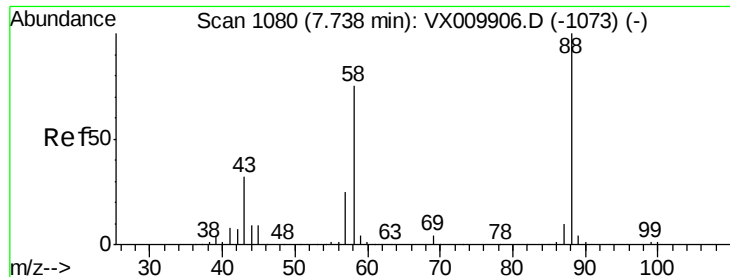
Abundance Ion 116.80 (116.50 to 117.50): VX009955.D (-711) (-)



Ion 118.80 (118.50 to 119.50): VX009955.D (-711) (-)

Ion 120.80 (120.50 to 121.50): VX009955.D (-711) (-)

Time-->



#49

1,4-Dioxane

Concen: 0.379 ug/l

RT: 7.53 min Scan# 1046

Delta R.T. -0.21 min

Lab File: VX009955.D

Acq: 30 May 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

IBLK

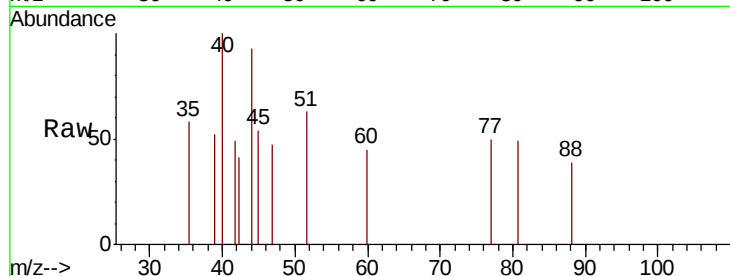
Tot Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 550.0 30.2 45.4#

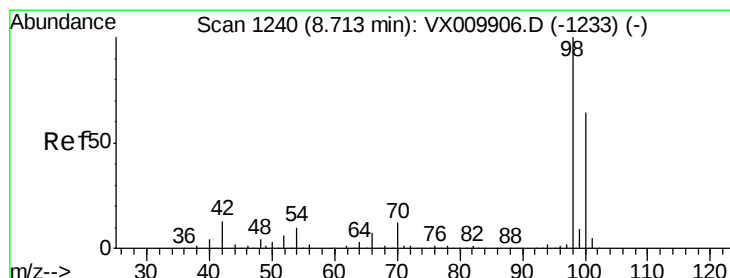
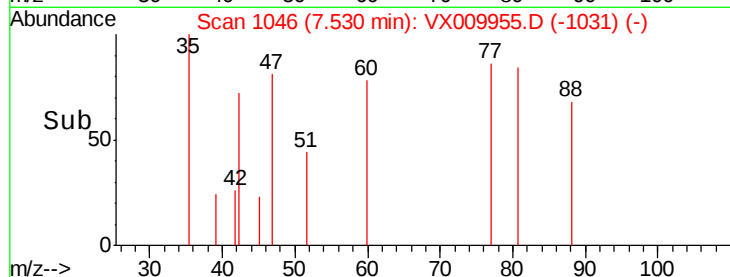
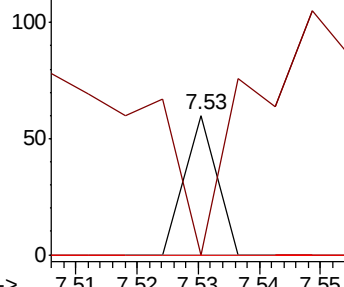
58 0.0 64.0 96.0#



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: 50.098 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009955.D

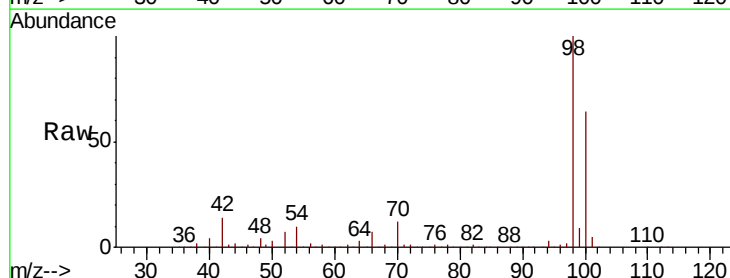
Acq: 30 May 2019 13:07

Tgt Ion: 98 Resp: 353366

Ion Ratio Lower Upper

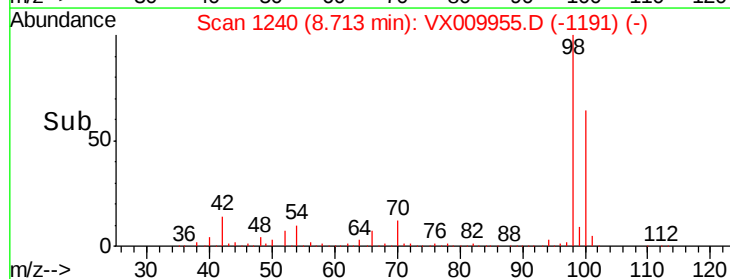
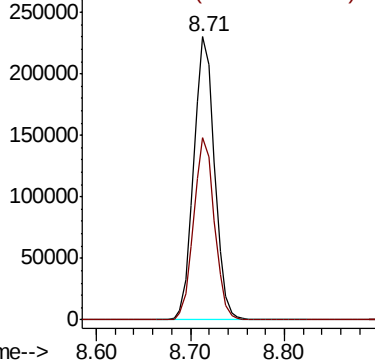
98 100

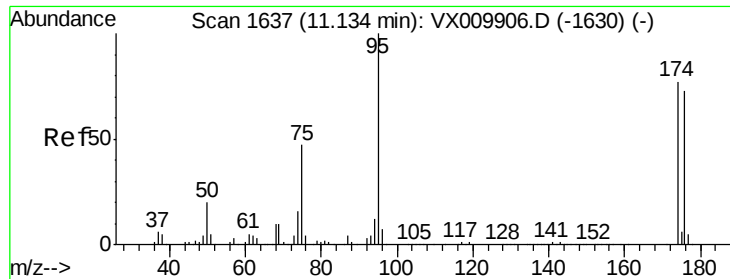
100 64.2 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.658 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009955.D

Acq: 30 May 2019 13:07

Instrument :

MSVOA_X

ClientSampled :

IBLK

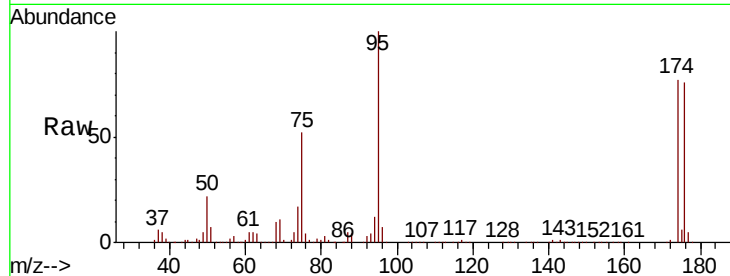
Tot Ion: 95 Resp: 118207

Ion Ratio Lower Upper

95 100

174 83.3 0.0 160.4

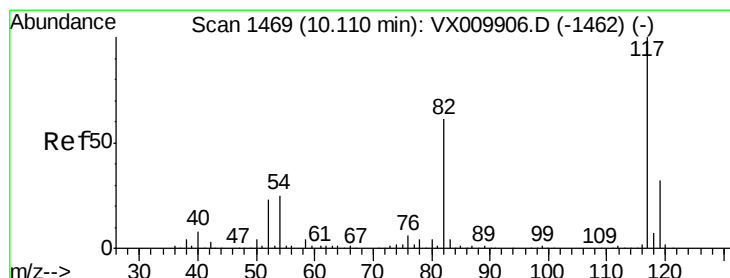
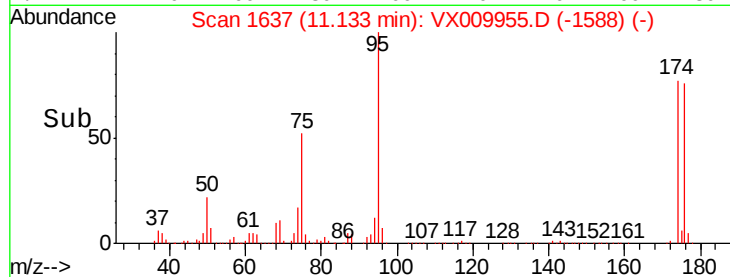
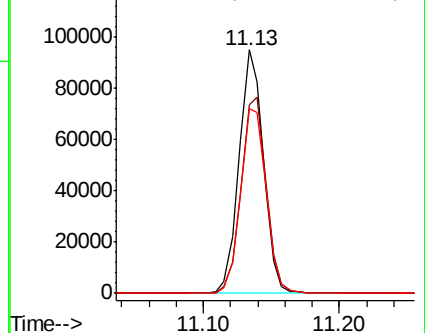
176 79.9 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX009906.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX009906.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX009906.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009955.D

Acq: 30 May 2019 13:07

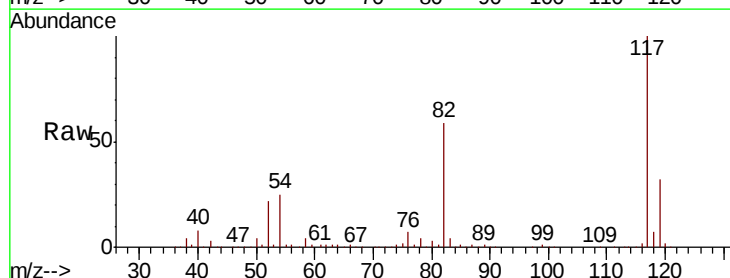
Tgt Ion: 117 Resp: 248227

Ion Ratio Lower Upper

117 100

82 59.5 49.2 73.8

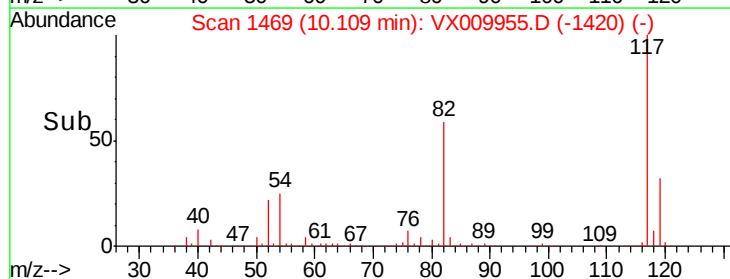
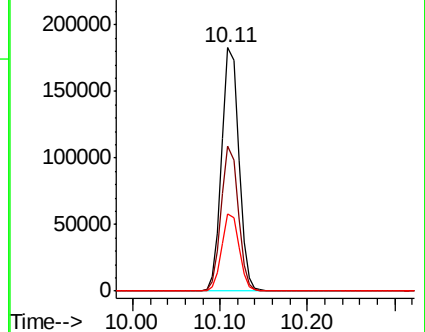
119 31.9 25.2 37.8

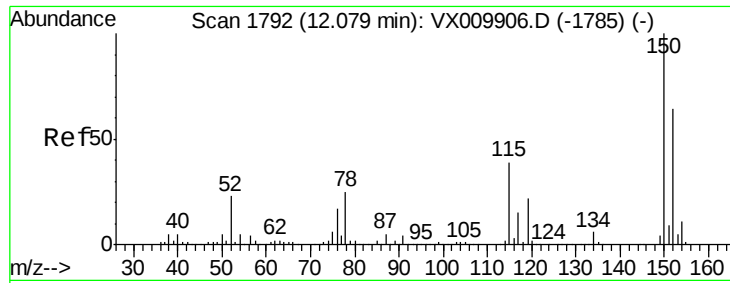


Abundance Ion 116.90 (116.60 to 117.60): VX009906.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX009906.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX009906.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009955.D

Acq: 30 May 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

IBLK

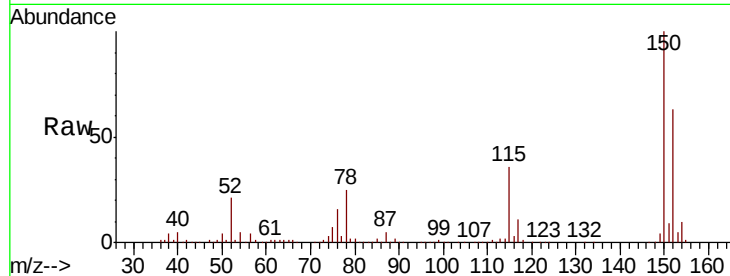
Tot Ion:152 Resp: 110054

Ion Ratio Lower Upper

152 100

115 58.0 41.4 124.2

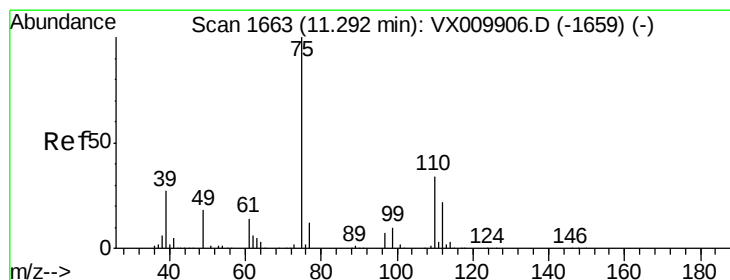
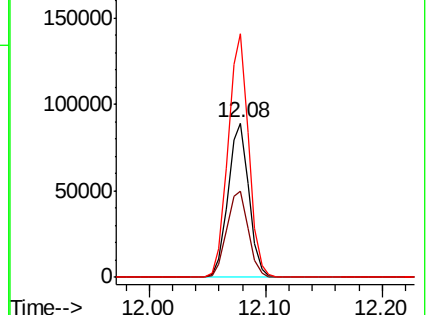
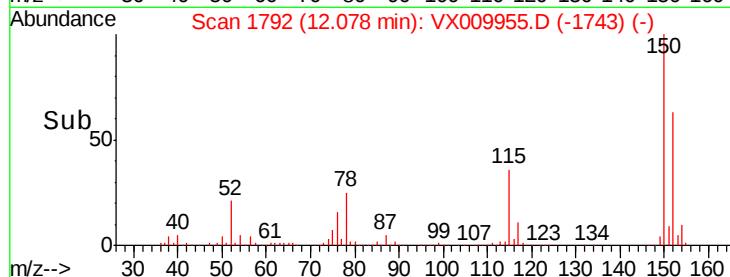
150 156.1 0.0 345.2



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: 23.323 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009955.D

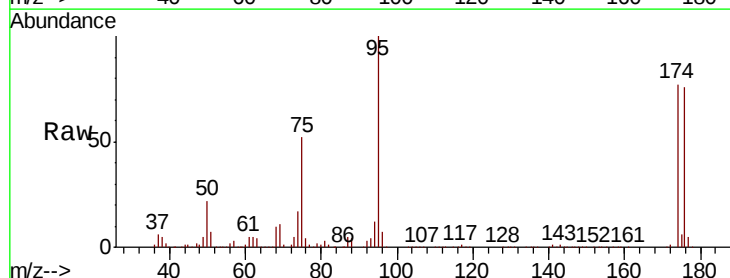
Acq: 30 May 2019 13:07

Tgt Ion: 75 Resp: 61380

Ion Ratio Lower Upper

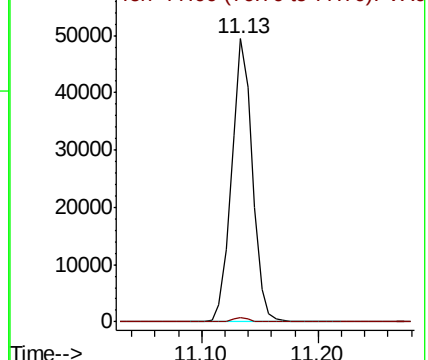
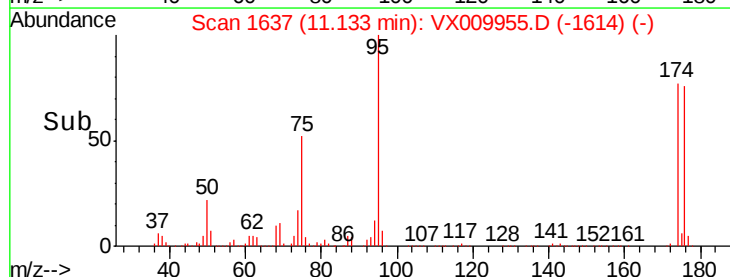
75 100

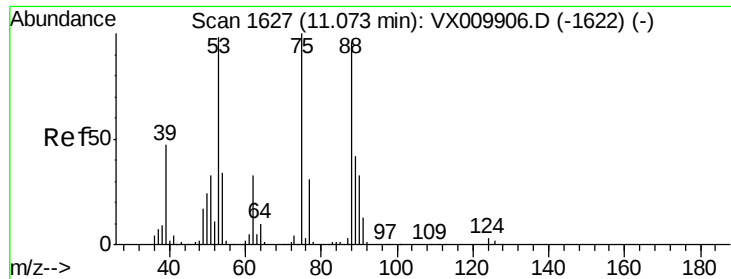
77 1.4 22.1 66.1#



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: 57.705 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009955.D

Acq: 30 May 2019 13:07

Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tot Ion: 75 Resp: 61380

Ion Ratio Lower Upper

75 100

53 0.1 79.8 119.6#

89 0.0 34.2 51.4#

