

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071119\
 Data File : VX010811.D
 Acq On : 11 Jul 2019 16:47
 Operator : JC/SP
 Sample : K3756-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030SP003-SW-190710

Quant Time: Jul 12 06:55:50 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	5.66	168	229243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	361762	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	335964	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152538	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	117790	54.80	ug/l	0.00
Spiked Amount			Recovery	=	109.60%	
35) Dibromofluoromethane	5.50	113	109643	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
50) Toluene-d8	8.71	98	435537	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	
62) 4-Bromofluorobenzene	11.13	95	147709	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	

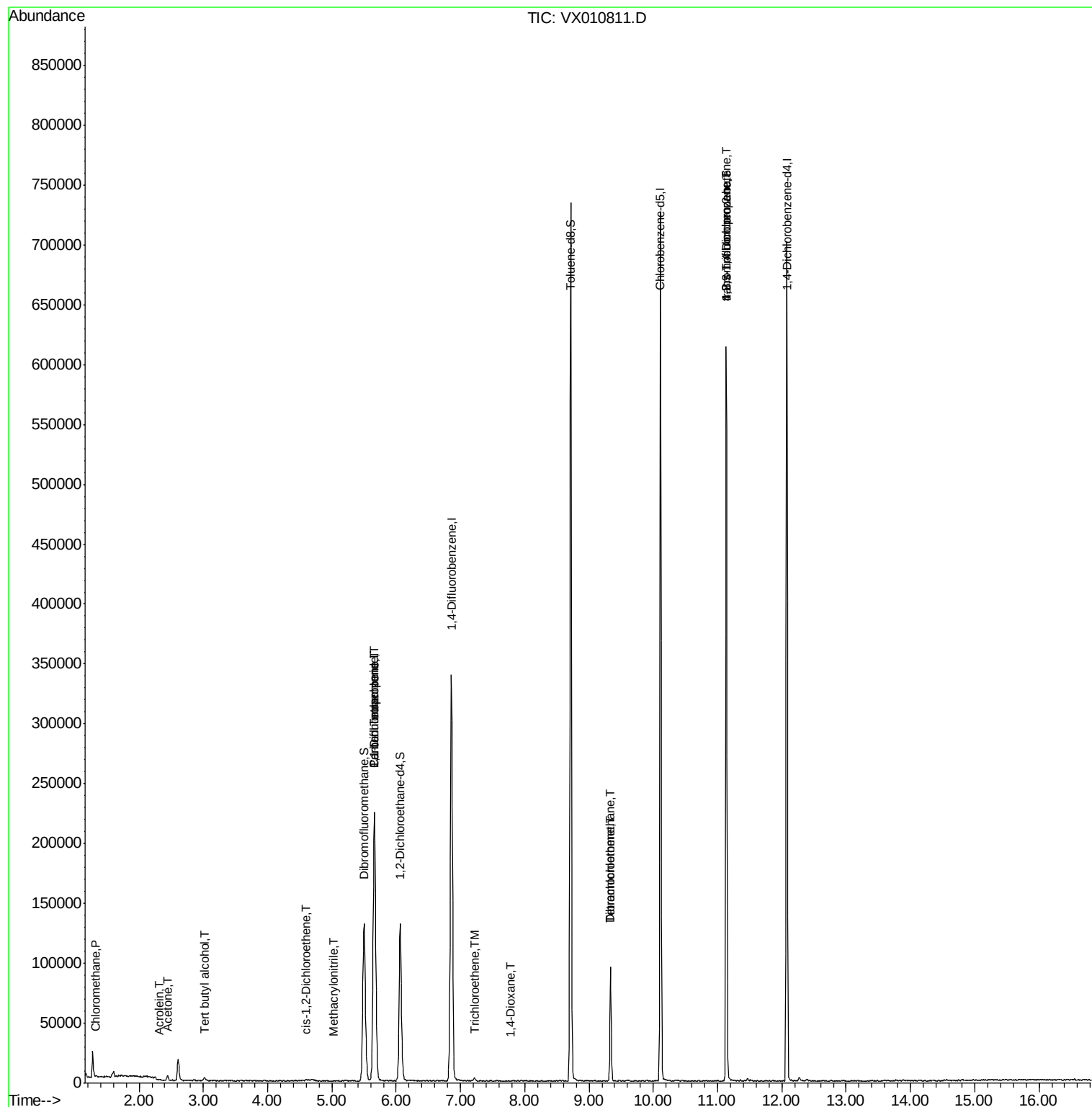
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	570	0.307	ug/l	90
11) Tert butyl alcohol	3.01	59	1461	2.598	ug/l #	81
13) Acrolein	2.31	56	99	0.265	ug/l #	11
16) Acetone	2.44	43	4242	3.938	ug/l #	86
27) cis-1,2-Dichloroethene	4.60	96	820	0.332	ug/l	82
36) 1,1-Dichloropropene	5.66	75	15068	5.241	ug/l #	47
38) Carbon Tetrachloride	5.66	117	20763	6.670	ug/l #	16
41) Methacrylonitrile	5.03	41	374	0.230	ug/l #	43
44) Trichloroethene	7.22	130	924	0.345	ug/l	98
49) 1,4-Dioxane	7.78	88	53	0.809	ug/l #	1
60) Dibromochloromethane	9.34	129	17121	6.286	ug/l #	11
64) Tetrachloroethene	9.34	164	18626	6.854	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	73217	26.340	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	73217	61.449	ug/l #	16

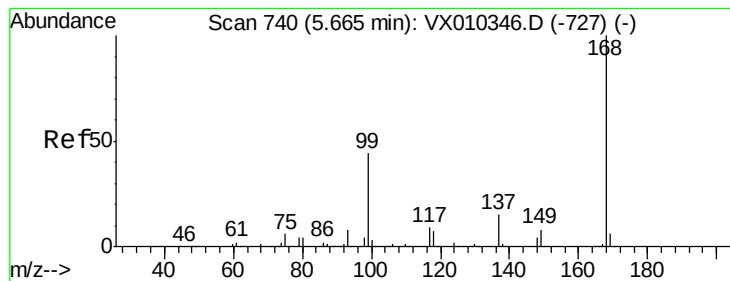
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071119\
Data File : VX010811.D
Acq On : 11 Jul 2019 16:47
Operator : JC/SP
Sample : K3756-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
KY030SP003-SW-190710

Quant Time: Jul 12 06:55:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010811.D

Acq: 11 Jul 2019 16:47

Instrument :

MSVOA_X

ClientSampleId :

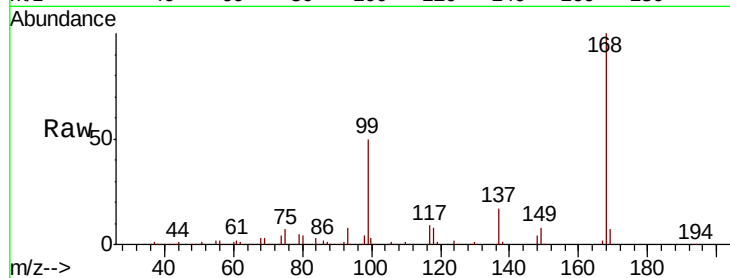
KY030SP003-SW-190710

Tot Ion:168 Resp: 229243

Ion Ratio Lower Upper

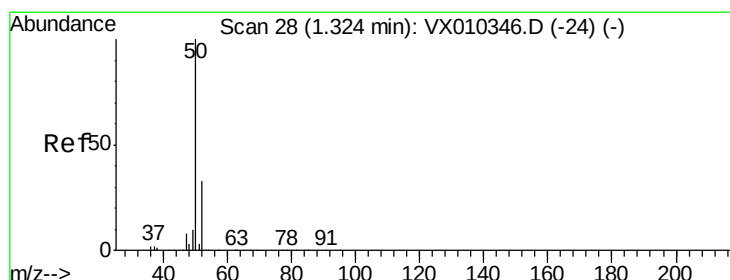
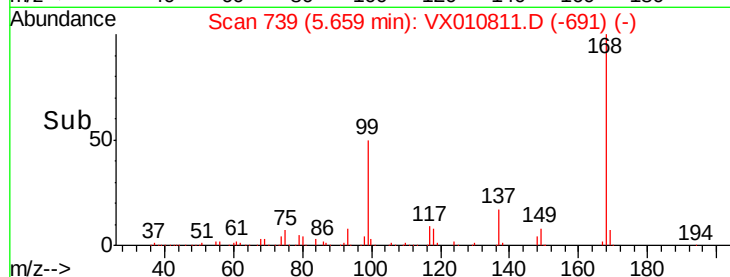
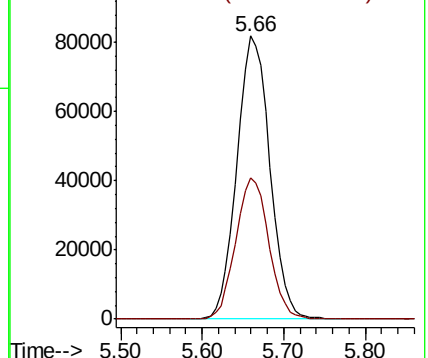
168 100

99 50.0 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: 0.307 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010811.D

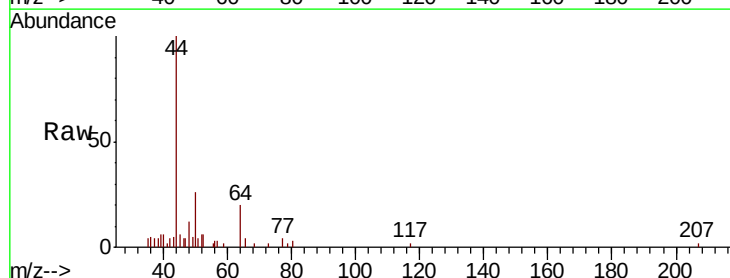
Acq: 11 Jul 2019 16:47

Tgt Ion: 50 Resp: 570

Ion Ratio Lower Upper

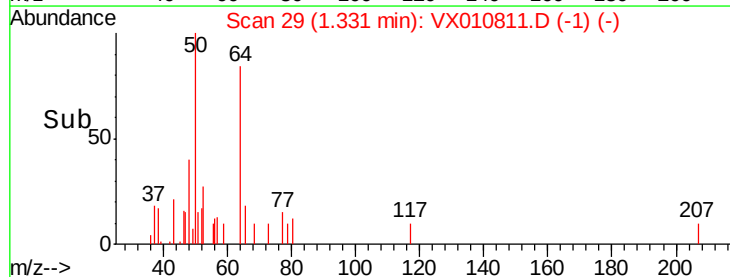
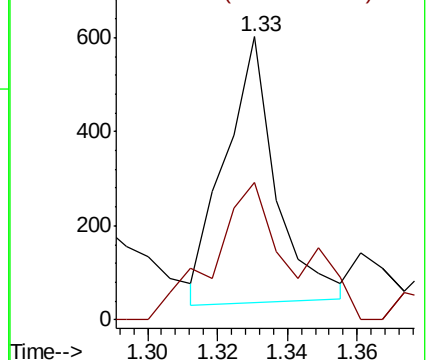
50 100

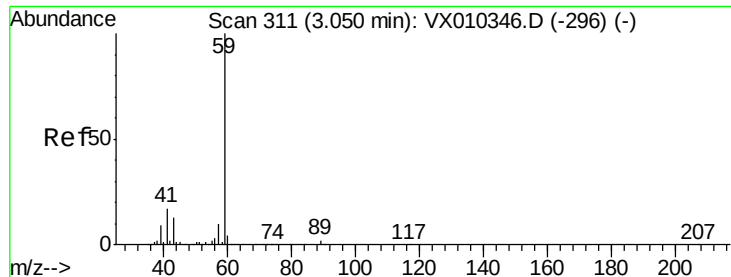
52 38.7 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



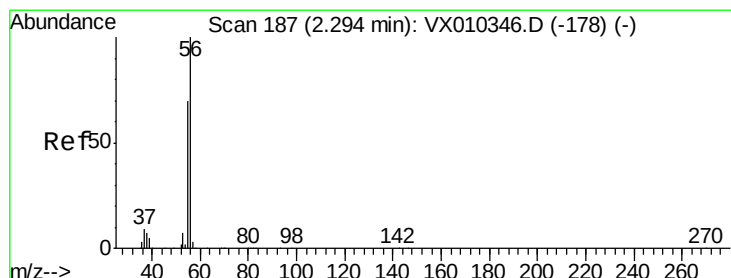
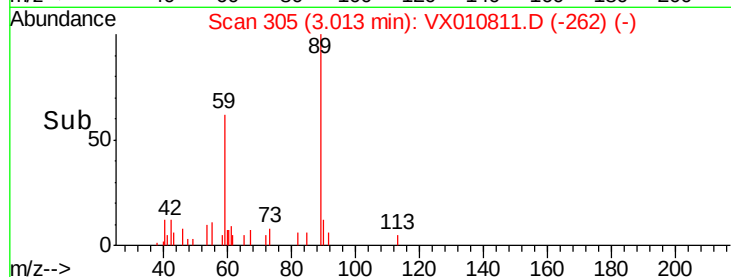
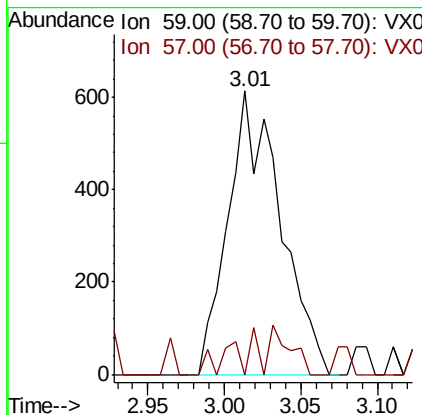
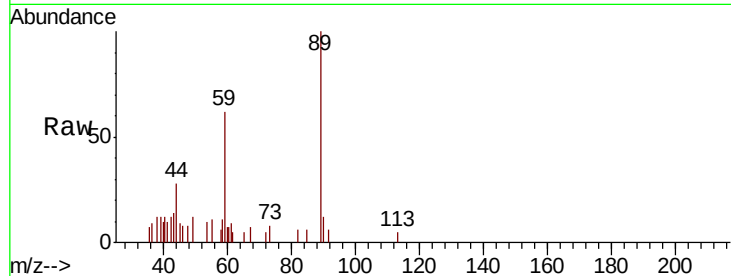


#11

Tert butyl alcohol
 Concen: 2.598 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX010811.D
 Acq: 11 Jul 2019 16:47

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030SP003-SW-190710

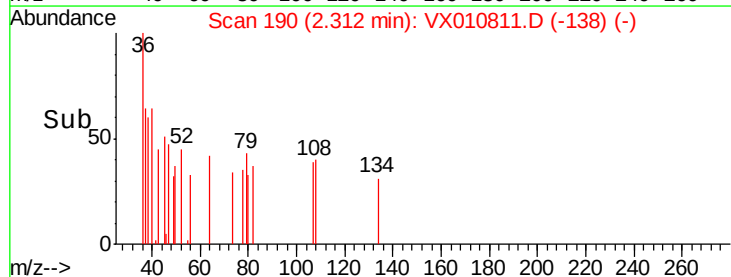
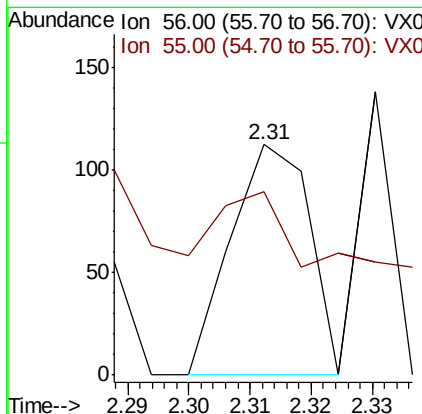
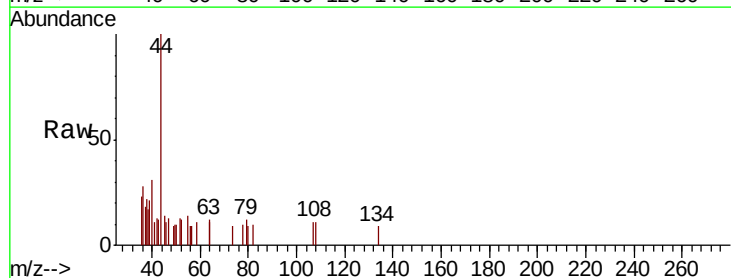
Tot Ion: 59 Resp: 1461
 Ion Ratio Lower Upper
 59 100
 57 2.5 7.7 11.5#

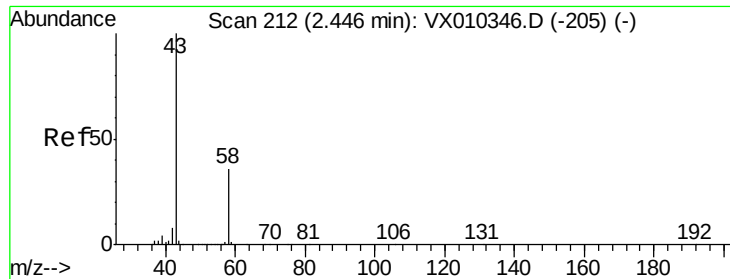


#13

Acrolein
 Concen: 0.265 ug/l
 RT: 2.31 min Scan# 190
 Delta R.T. 0.02 min
 Lab File: VX010811.D
 Acq: 11 Jul 2019 16:47

Tgt Ion: 56 Resp: 99
 Ion Ratio Lower Upper
 56 100
 55 144.4 56.9 85.3#





#16

Acetone

Concen: 3.938 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010811.D

Acq: 11 Jul 2019 16:47

Instrument :

MSVOA_X

ClientSampleId :

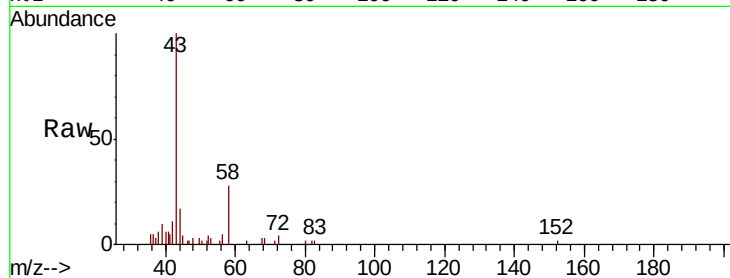
KY030SP003-SW-190710

Tot Ion: 43 Resp: 4242

Ion Ratio Lower Upper

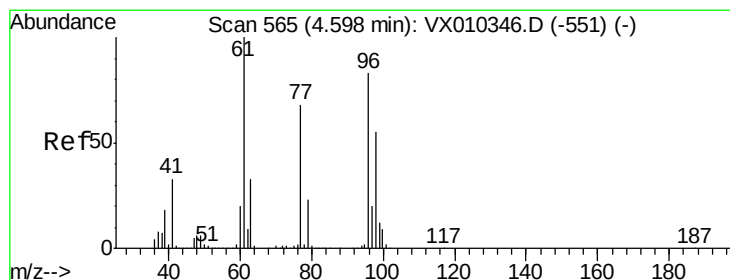
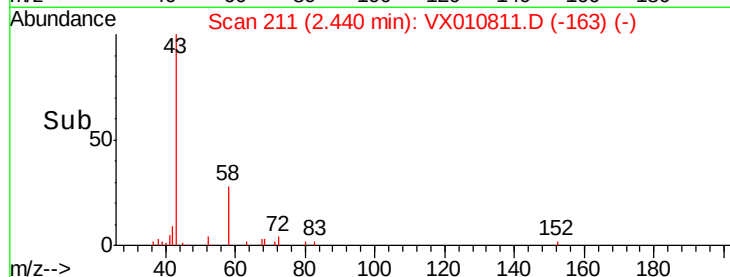
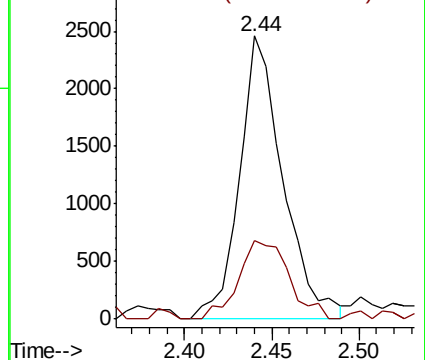
43 100

58 27.6 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.332 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX010811.D

Acq: 11 Jul 2019 16:47

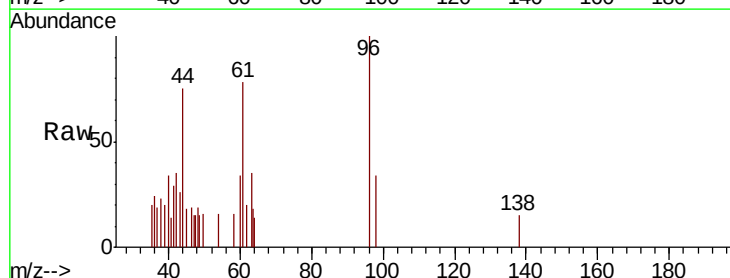
Tgt Ion: 96 Resp: 820

Ion Ratio Lower Upper

96 100

61 127.6 0.0 251.8

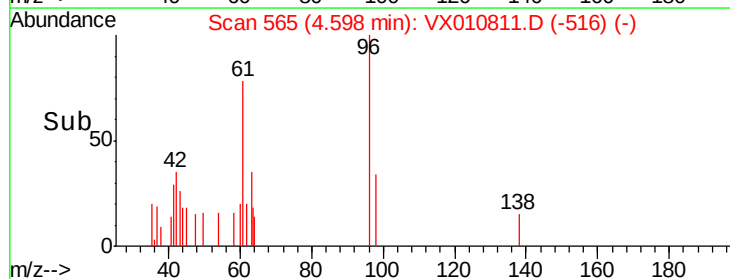
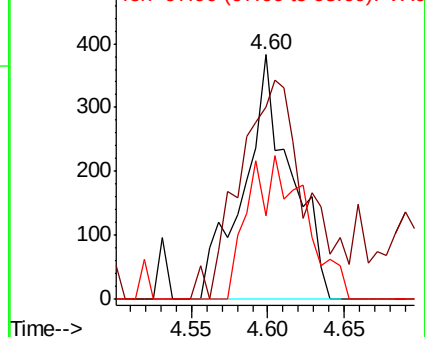
98 25.7 0.0 129.4

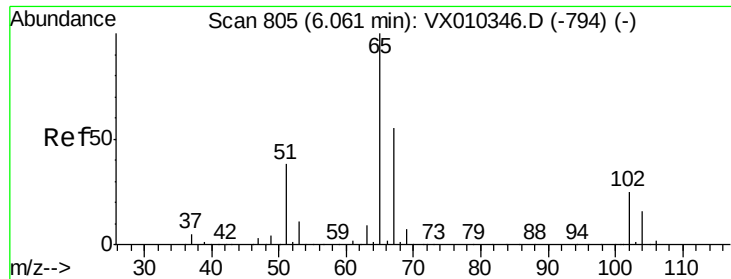


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

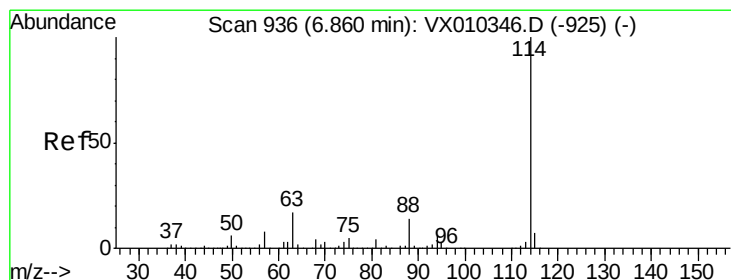
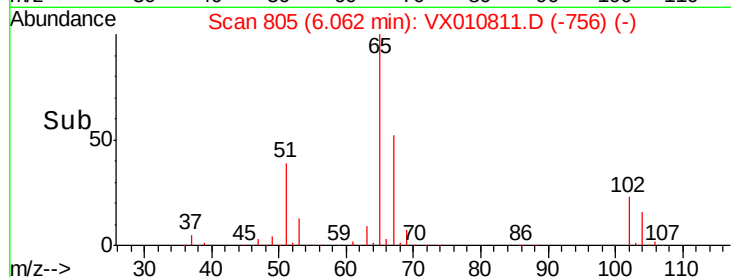
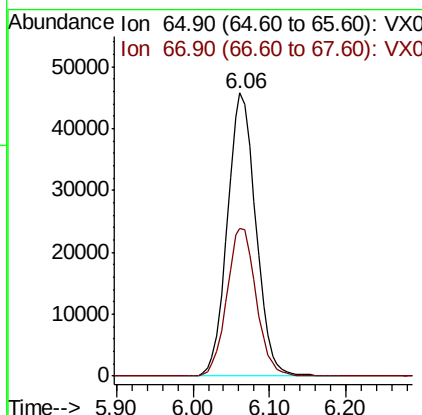
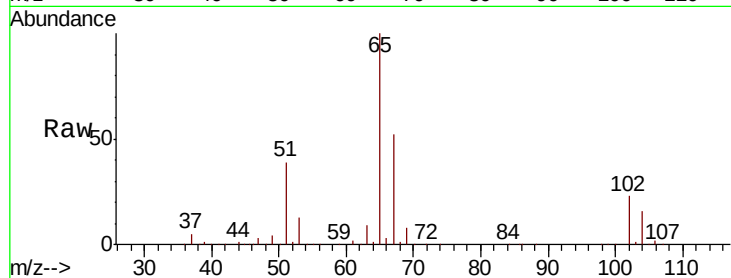




#33
 1,2-Dichloroethane-d4
 Concen: 54.802 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010811.D
 Acq: 11 Jul 2019 16:47

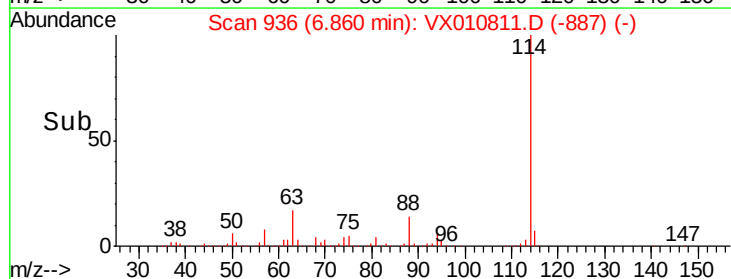
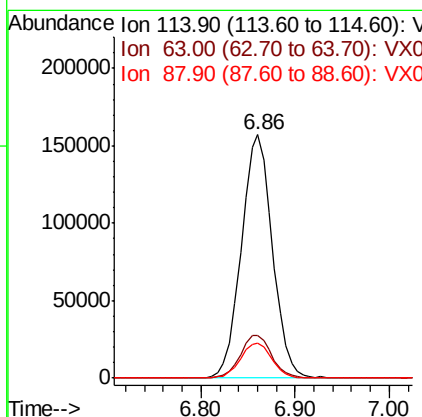
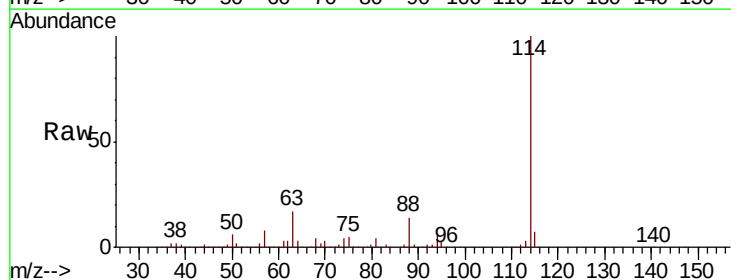
Instrument :
 MSVOA_X
 ClientSampleId :
 KY030SP003-SW-190710

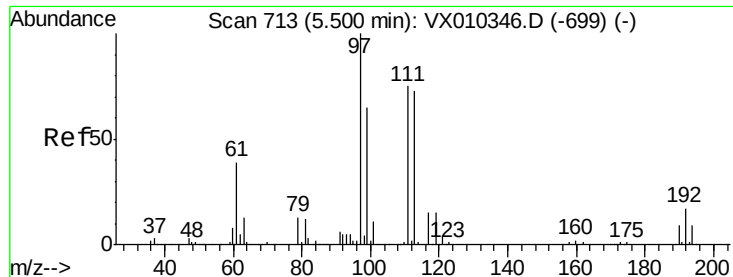
Tot Ion: 65 Resp: 117790
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010811.D
 Acq: 11 Jul 2019 16:47

Tgt Ion: 114 Resp: 361762
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 33.8
 88 14.2 0.0 27.6

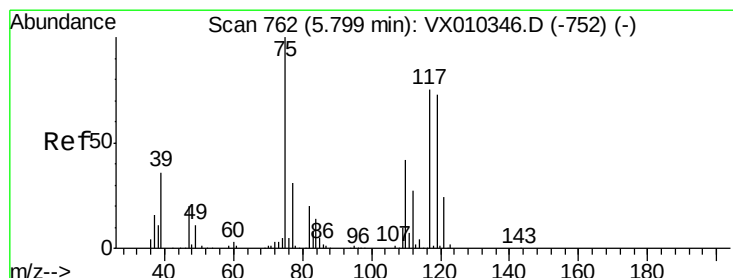
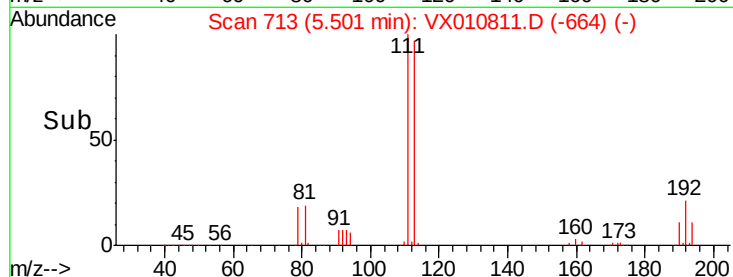
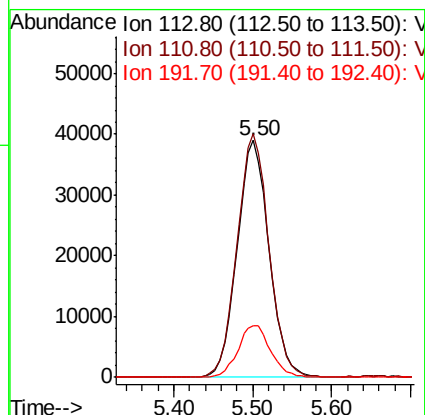
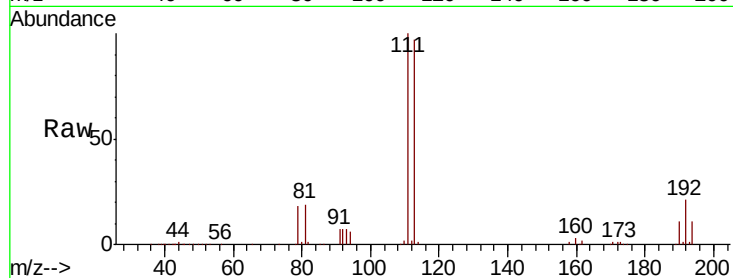




#35
 Dibromofluoromethane
 Concen: 49.536 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010811.D
 Acq: 11 Jul 2019 16:47

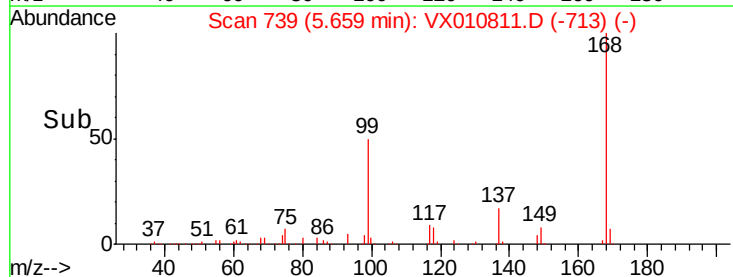
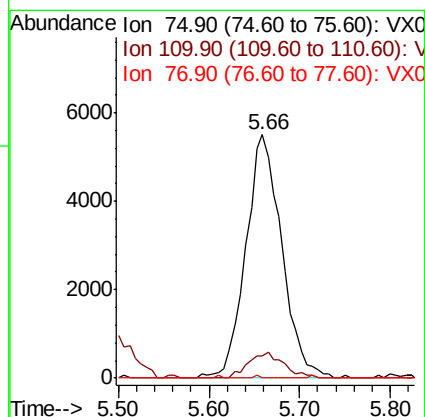
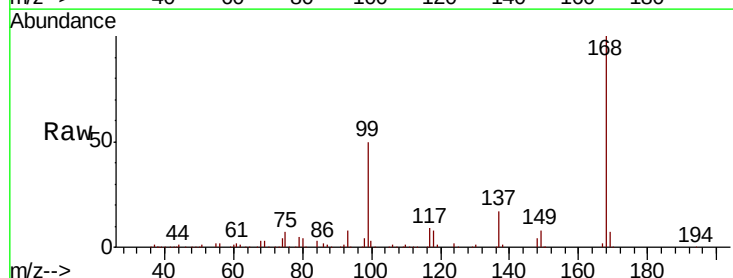
Instrument :
 MSVOA_X
 ClientSampleId :
 KY030SP003-SW-190710

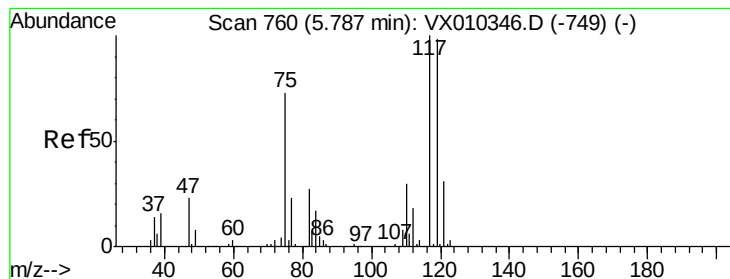
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.2	121.8
192	22.3	18.6	27.8



#36
 1,1-Dichloropropene
 Concen: 5.241 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010811.D
 Acq: 11 Jul 2019 16:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	20.8	62.2#
77	0.2	25.4	38.0#





#38

Carbon Tetrachloride

Concen: 6.670 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010811.D

Acq: 11 Jul 2019 16:47

Instrument :

MSVOA_X

ClientSampleId :

KY030SP003-SW-190710

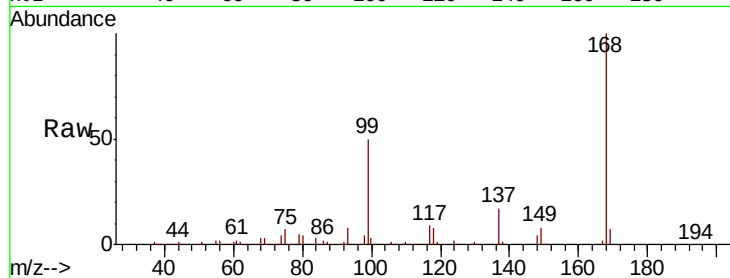
Tot Ion:117 Resp: 20763

Ion Ratio Lower Upper

117 100

119 6.4 78.2 117.4#

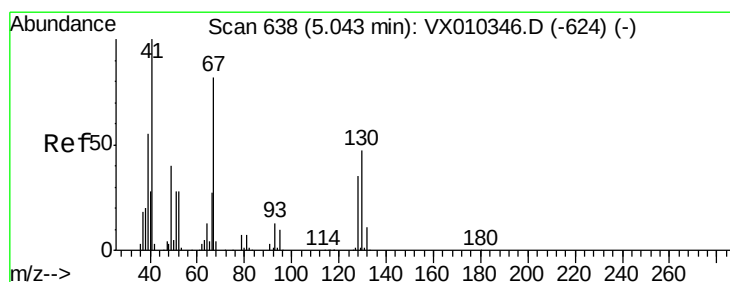
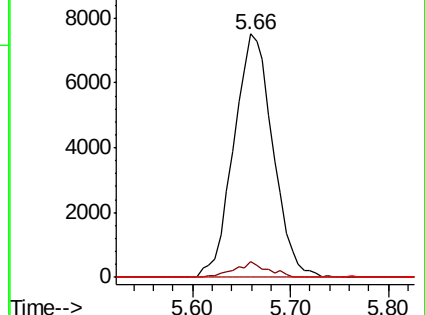
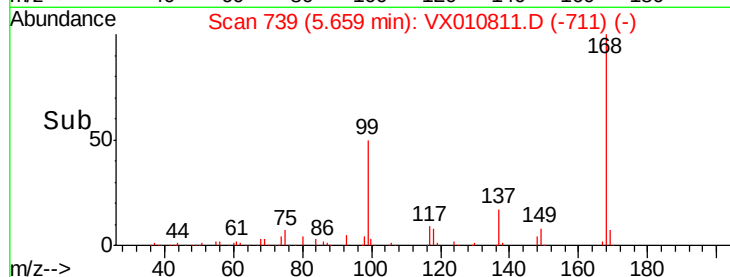
121 0.0 24.7 37.1#



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



#41

Methacrylonitrile

Concen: 0.230 ug/l

RT: 5.03 min Scan# 636

Delta R.T. -0.01 min

Lab File: VX010811.D

Acq: 11 Jul 2019 16:47

Tgt Ion: 41 Resp: 374

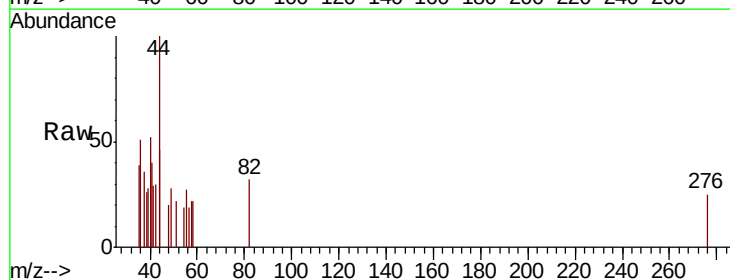
Ion Ratio Lower Upper

41 100

39 58.3 43.8 65.8

67 0.0 66.6 100.0#

52 0.0 24.5 36.7#

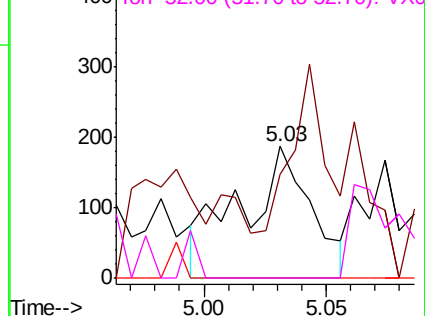
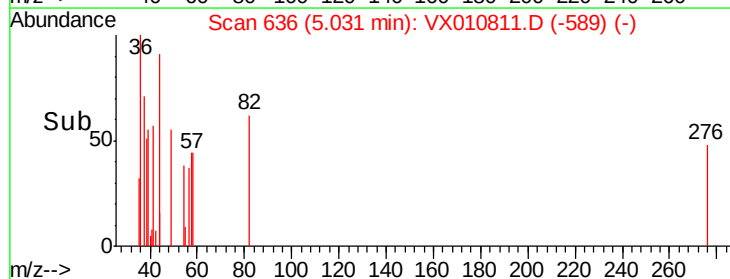


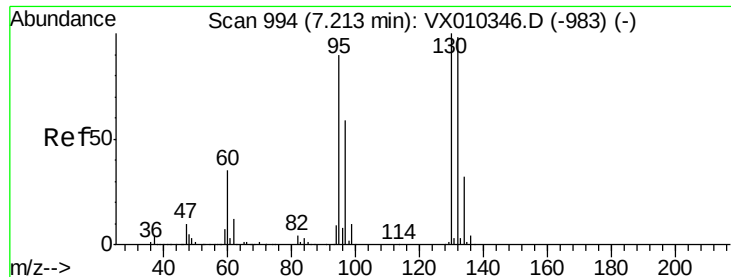
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#44

Trichloroethene

Concen: 0.345 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX010811.D

Acq: 11 Jul 2019 16:47

Instrument :

MSVOA_X

ClientSampleId :

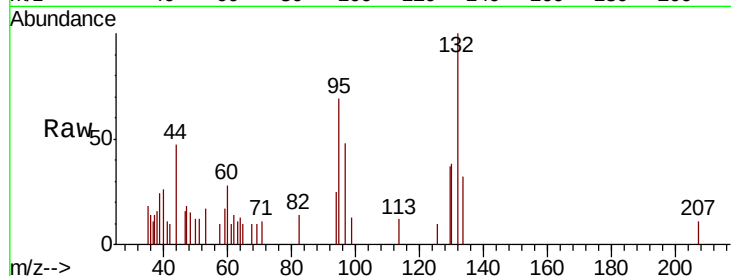
KY030SP003-SW-190710

Tot Ion:130 Resp: 924

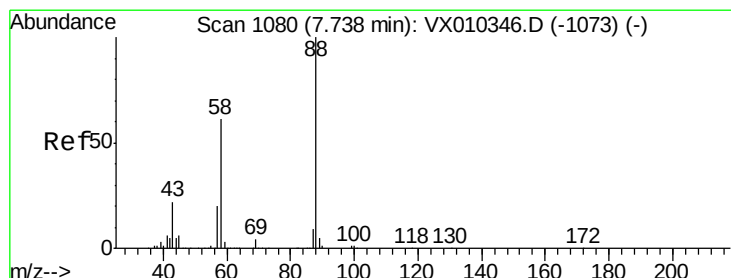
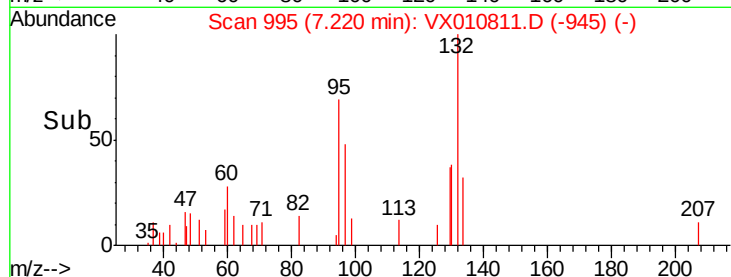
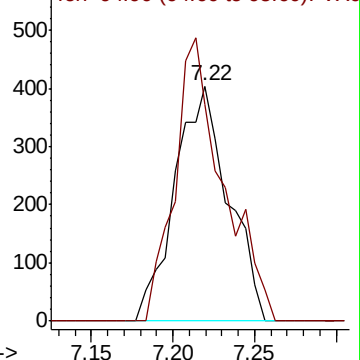
Ion Ratio Lower Upper

130 100

95 92.3 0.0 180.8



Abundance Ion 129.80 (129.50 to 130.50): V



#49

1,4-Dioxane

Concen: 0.809 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.04 min

Lab File: VX010811.D

Acq: 11 Jul 2019 16:47

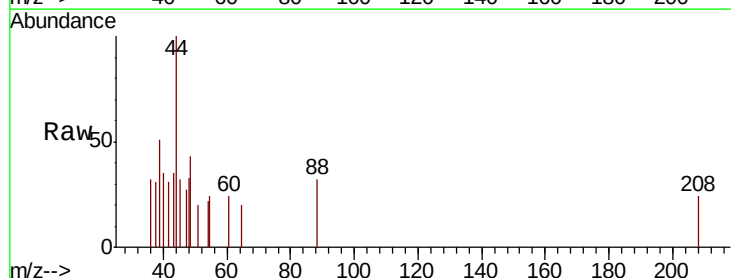
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

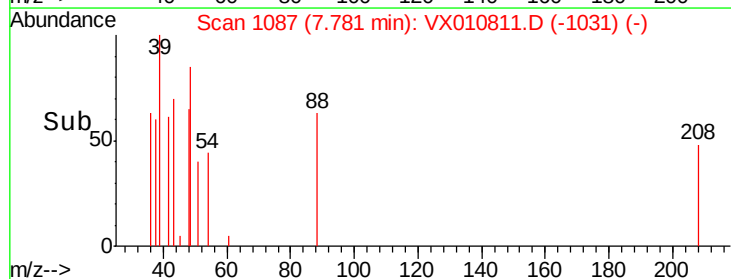
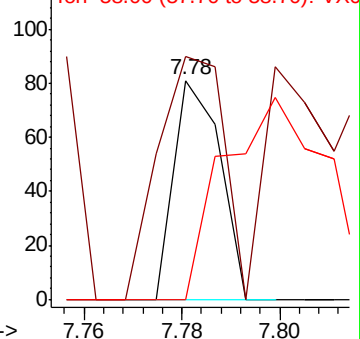
88 100

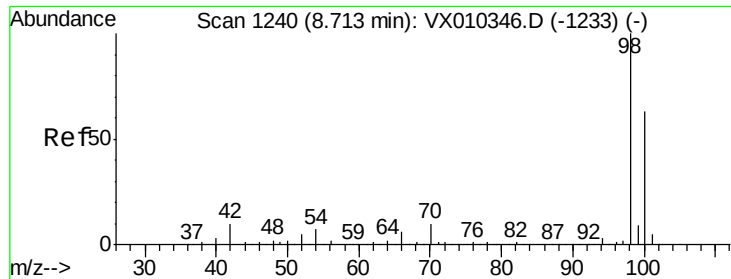
43 158.5 20.2 30.2#

58 0.0 49.5 74.3#



Abundance Ion 88.00 (87.70 to 88.70): VX0





#50

Toluene-d8

Concen: 51.433 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010811.D

Acq: 11 Jul 2019 16:47

Instrument :

MSVOA_X

ClientSampleId :

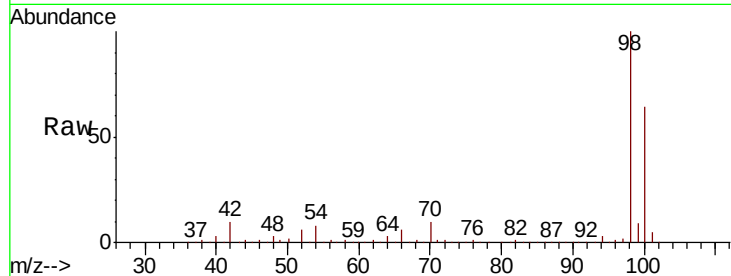
KY030SP003-SW-190710

Tot Ion: 98 Resp: 435537

Ion Ratio Lower Upper

98 100

100 63.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

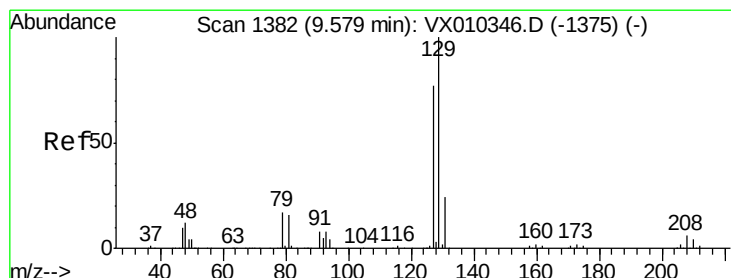
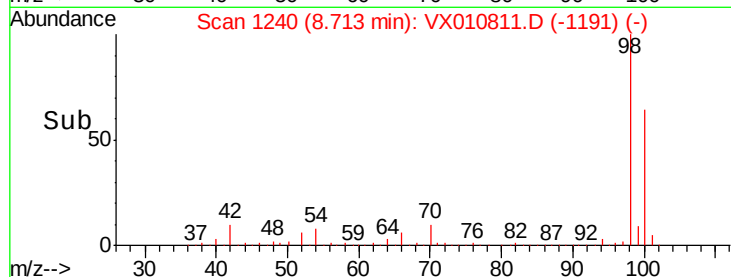
300000

200000

100000

0

Time--> 8.60 8.65 8.70 8.75 8.80



#60

Dibromochloromethane

Concen: 6.286 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX010811.D

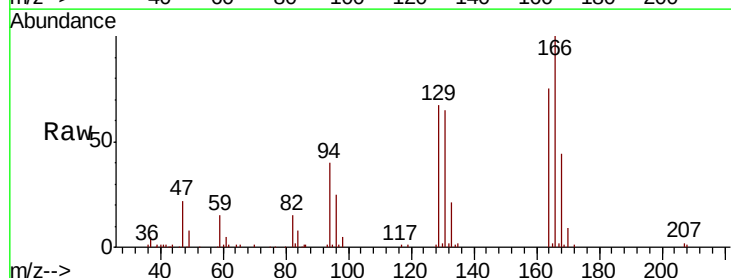
Acq: 11 Jul 2019 16:47

Tgt Ion:129 Resp: 17121

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

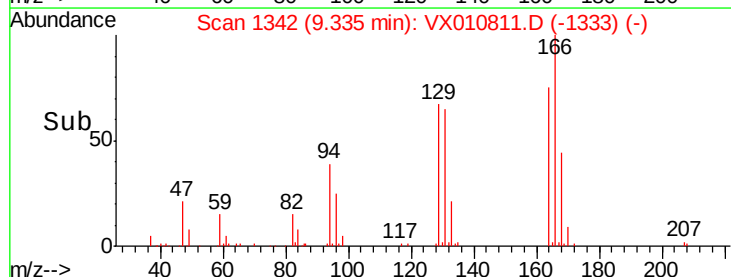
9.34

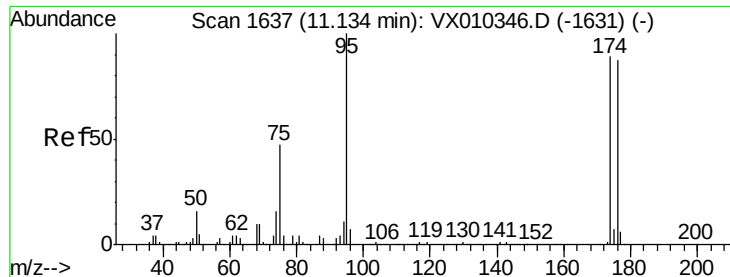
10000

5000

0

Time--> 9.30 9.35 9.40





#62

4-Bromofluorobenzene

Concen: 48.315 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010811.D

Acq: 11 Jul 2019 16:47

Instrument :

MSVOA_X

ClientSampleId :

KY030SP003-SW-190710

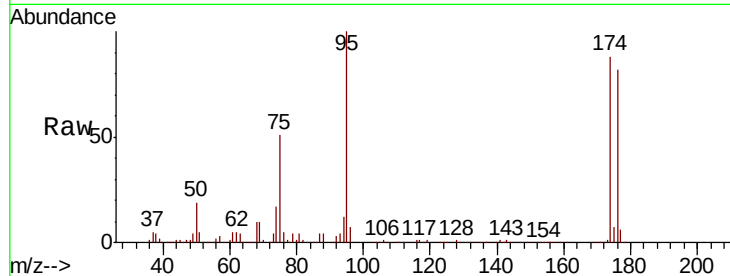
Tot Ion: 95 Resp: 147709

Ion Ratio Lower Upper

95 100

174 93.9 0.0 187.6

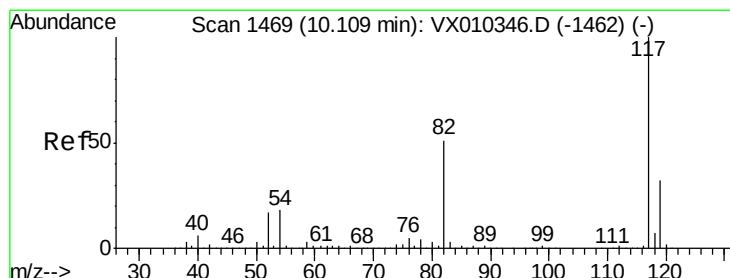
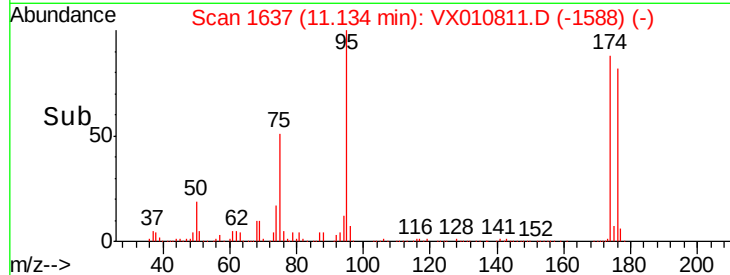
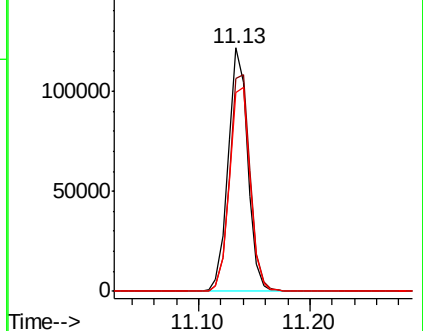
176 89.2 0.0 184.0



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: VX010811.D

Acq: 11 Jul 2019 16:47

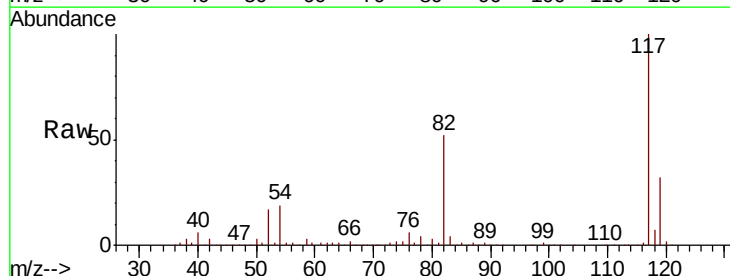
Tgt Ion: 117 Resp: 335964

Ion Ratio Lower Upper

117 100

82 52.2 41.2 61.8

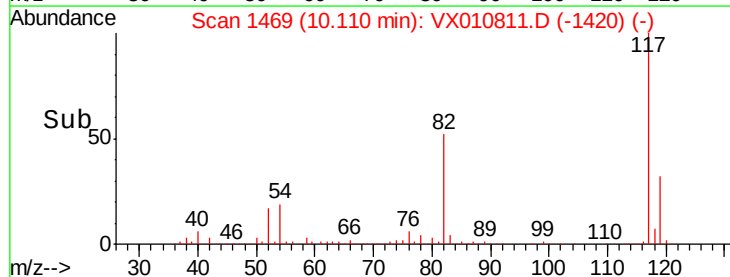
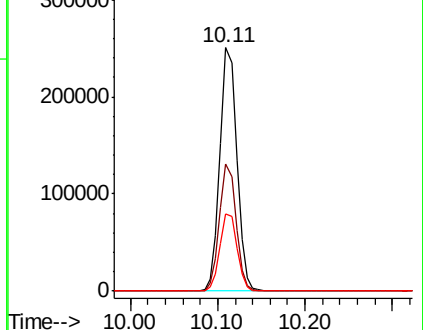
119 31.8 25.5 38.3

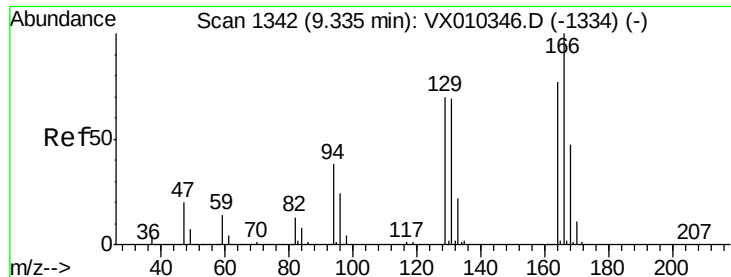


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 6.854 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010811.D

Acq: 11 Jul 2019 16:47

Instrument :

MSVOA_X

ClientSampleId :

KY030SP003-SW-190710

Tot Ion:164 Resp: 18626

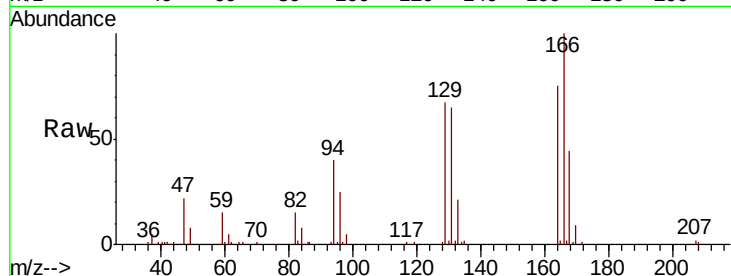
Ion Ratio Lower Upper

164 100

166 133.9 103.6 155.4

129 89.4 73.0 109.4

131 86.8 71.0 106.4

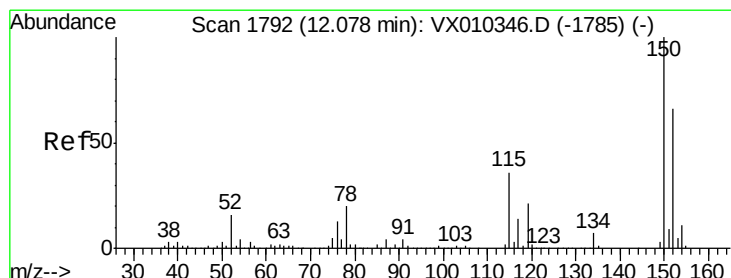
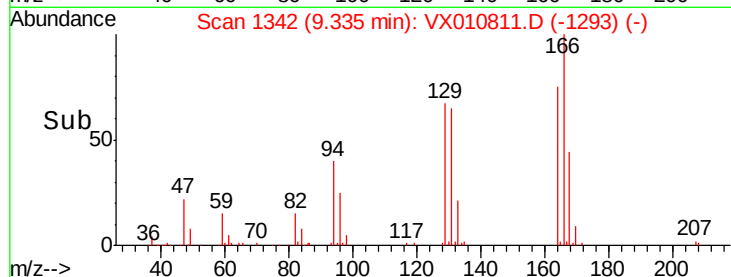
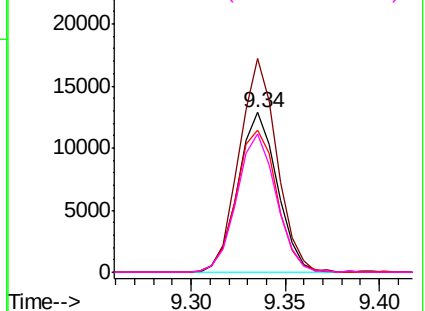


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX010811.D

Acq: 11 Jul 2019 16:47

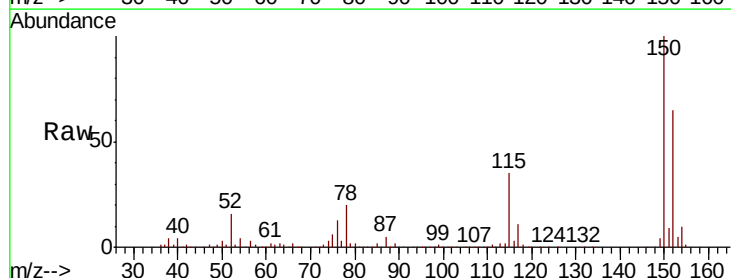
Tgt Ion:152 Resp: 152538

Ion Ratio Lower Upper

152 100

115 54.8 38.6 115.7

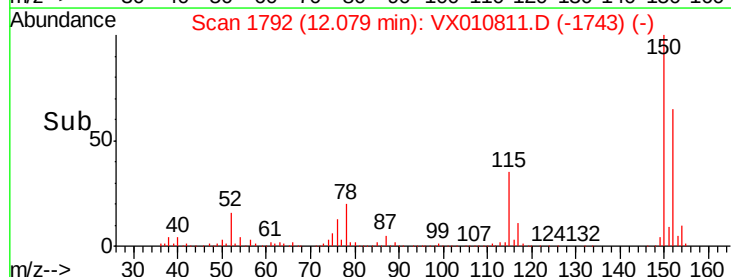
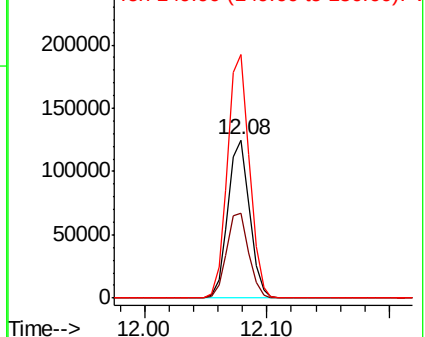
150 156.2 0.0 347.4

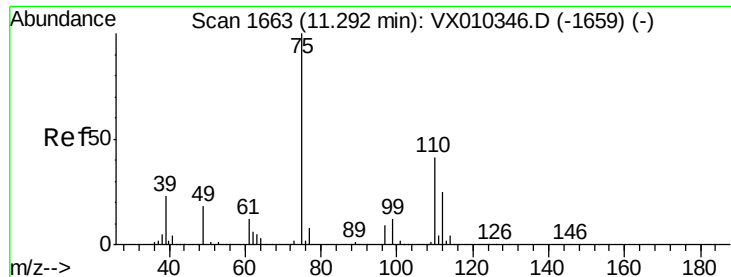


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.340 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010811.D

Acq: 11 Jul 2019 16:47

Instrument :

MSVOA_X

ClientSampleId :

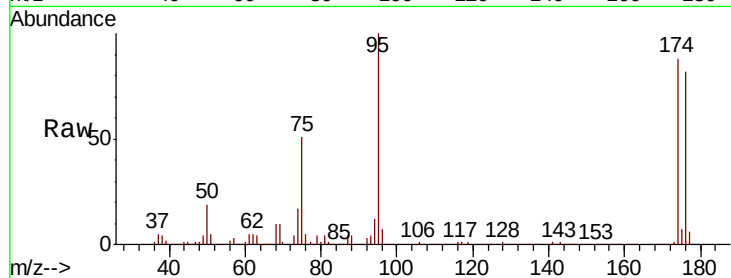
KY030SP003-SW-190710

Tot Ion: 75 Resp: 73217

Ion Ratio Lower Upper

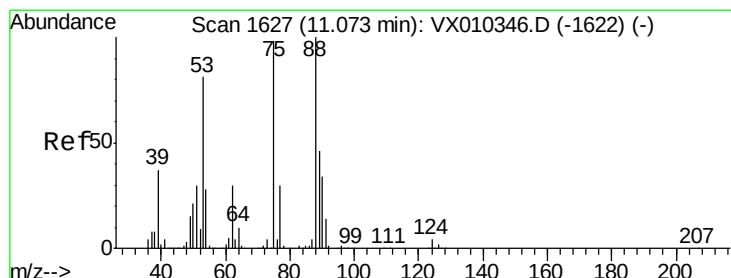
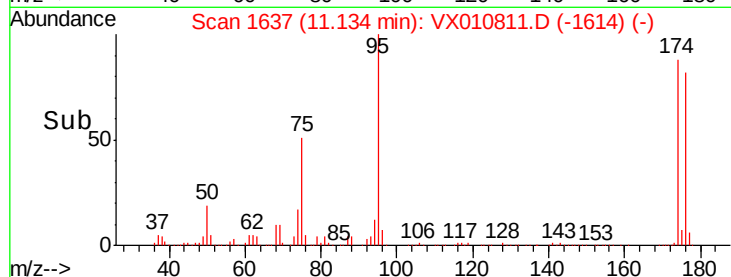
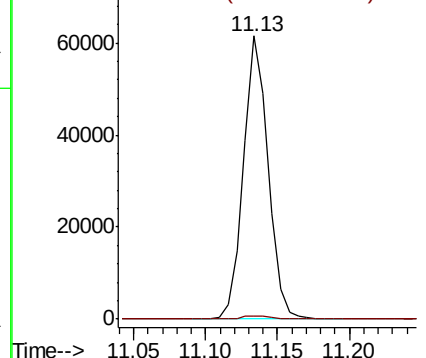
75 100

77 1.3 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: 61.449 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010811.D

Acq: 11 Jul 2019 16:47

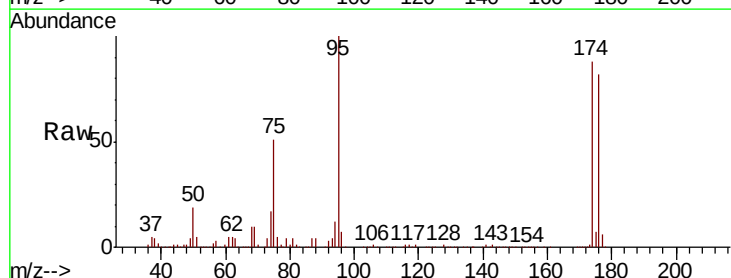
Tgt Ion: 75 Resp: 73217

Ion Ratio Lower Upper

75 100

53 0.3 66.1 99.1#

89 0.0 37.8 56.6#



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

