

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032019\
 Data File : VX008263.D
 Acq On : 21 Mar 2019 00:47
 Operator : JC/SP
 Sample : K1900-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW309S-20190313RE

Quant Time: Mar 22 05:39:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	335261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	552581	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	466492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186602	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	236485	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
35) Dibromofluoromethane	5.50	113	172897	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	
50) Toluene-d8	8.71	98	675892	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
62) 4-Bromofluorobenzene	11.13	95	215111	44.55	ug/l	0.00
Spiked Amount			Recovery	=	89.10%	

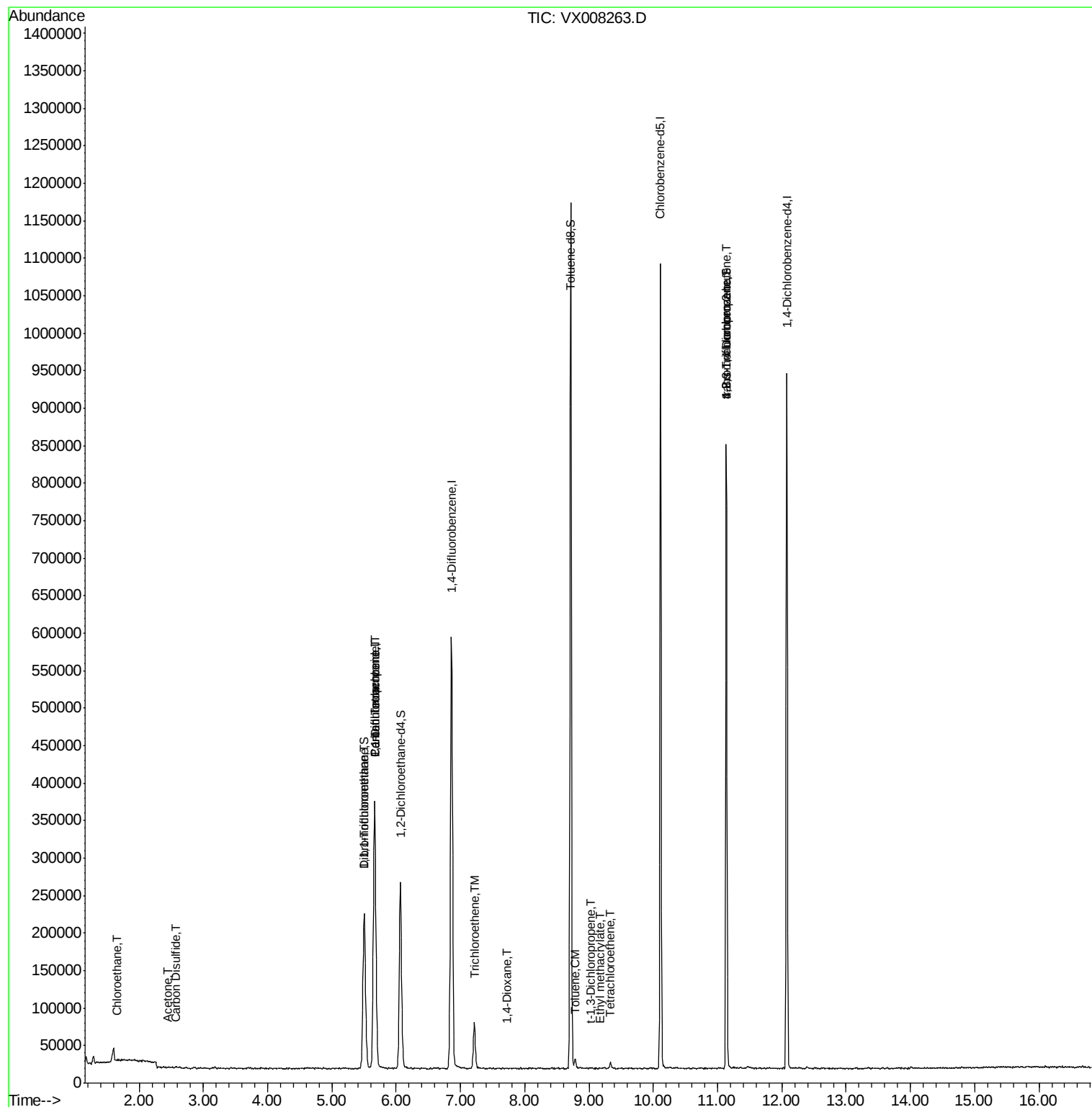
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.65	64	727	0.228	ug/l #	62
13) Acrolein	2.28	56	93	Below Cal	#	13
16) Acetone	2.44	43	1825	0.637	ug/l #	85
17) Carbon Disulfide	2.58	76	1917	0.818	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	3685	0.531	ug/l #	40
36) 1,1-Dichloropropene	5.67	75	27134	4.218	ug/l #	49
38) Carbon Tetrachloride	5.67	117	32364	5.646	ug/l #	16
44) Trichloroethene	7.21	130	23889	5.131	ug/l	97
49) 1,4-Dioxane	7.73	88	138	1.207	ug/l #	20
52) Toluene	8.79	92	4171	0.369	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	327	1.464	ug/l #	43
56) Ethyl methacrylate	9.18	69	52	0.532	ug/l #	1
64) Tetrachloroethene	9.34	164	1577	0.375	ug/l	92
76) 1,2,3-Trichloropropane	11.13	75	112987	21.528	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	112987	54.741	ug/l #	12

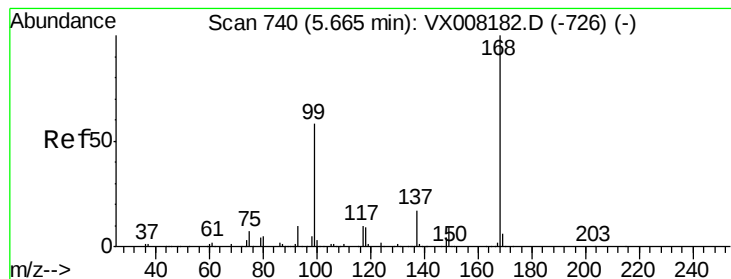
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008263.D

Acq: 21 Mar 2019 00:47

Instrument :

MSVOA_X

ClientSampleId :

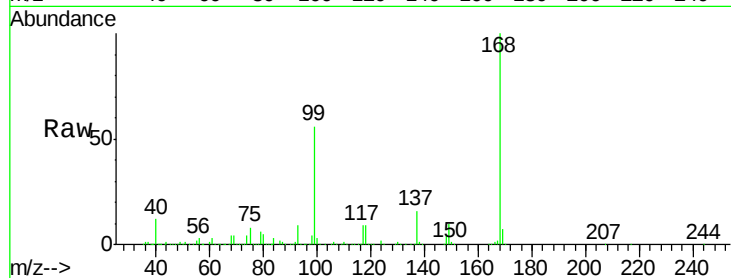
BPS1-TT-MW309S-20190313RE

Tot Ion:168 Resp: 335261

Ion Ratio Lower Upper

168 100

99 56.3 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

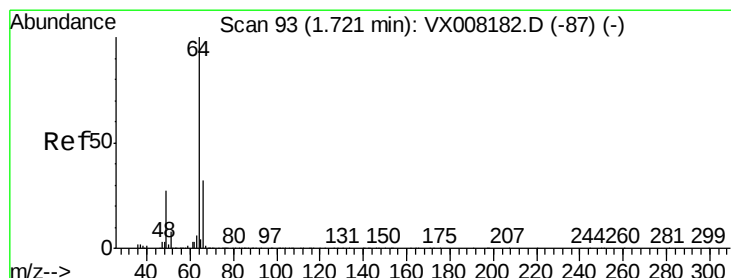
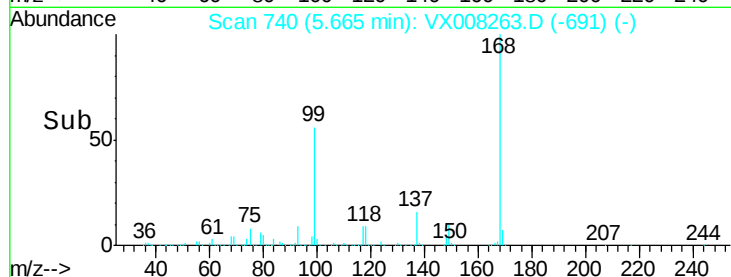
5.67

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.228 ug/l

RT: 1.65 min Scan# 82

Delta R.T. -0.07 min

Lab File: VX008263.D

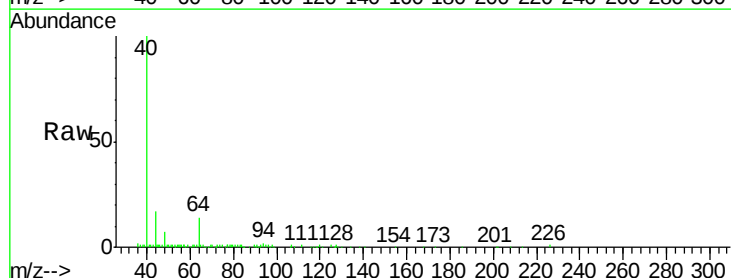
Acq: 21 Mar 2019 00:47

Tgt Ion: 64 Resp: 727

Ion Ratio Lower Upper

64 100

66 10.3 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.65

2500

2000

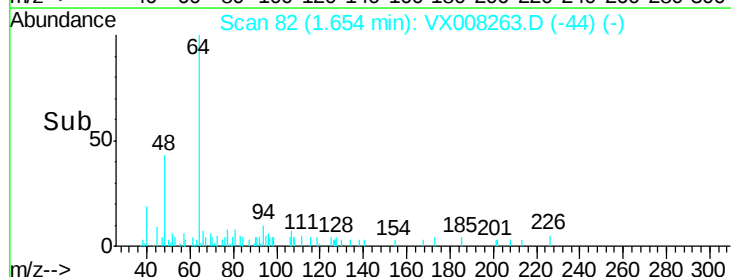
1500

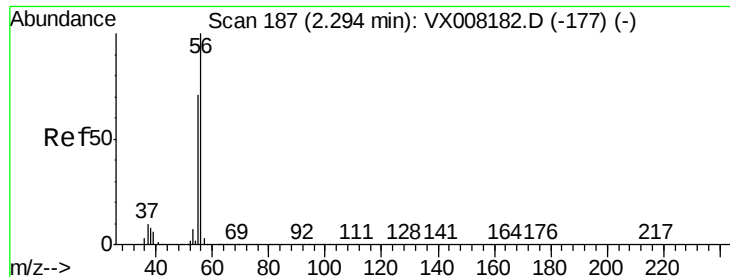
1000

500

0

Time-->





#13

Acrolein

Concen: Below Cal

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX008263.D

Acq: 21 Mar 2019 00:47

Instrument :

MSVOA_X

ClientSampleId :

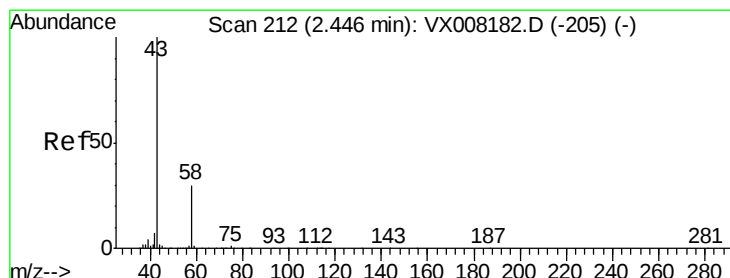
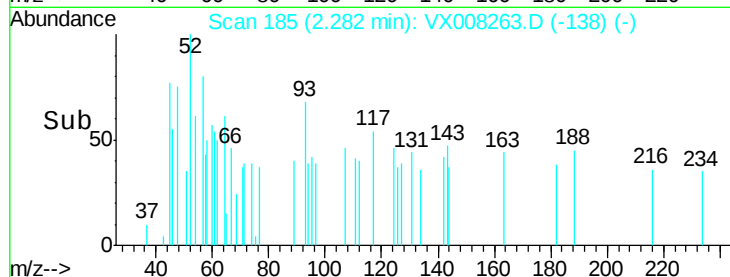
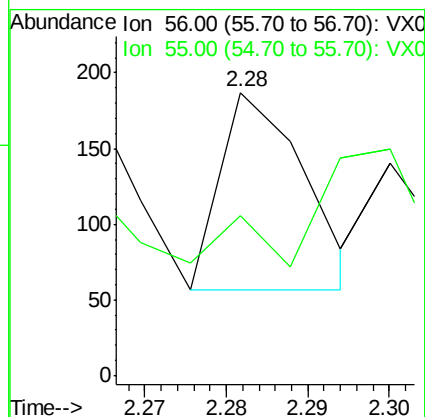
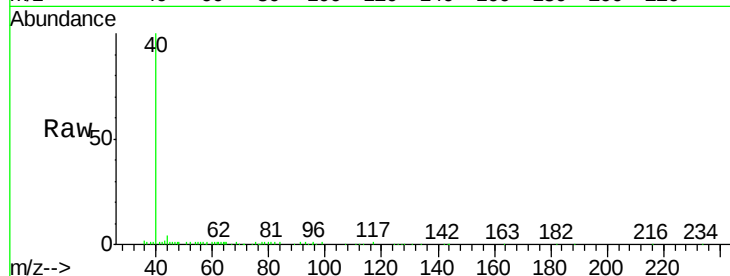
BPS1-TT-MW309S-20190313RE

Tot Ion: 56 Resp: 93

Ion Ratio Lower Upper

56 100

55 0.0 57.8 86.6#



#16

Acetone

Concen: 0.637 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008263.D

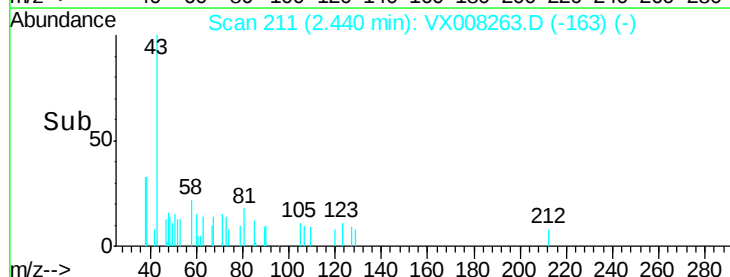
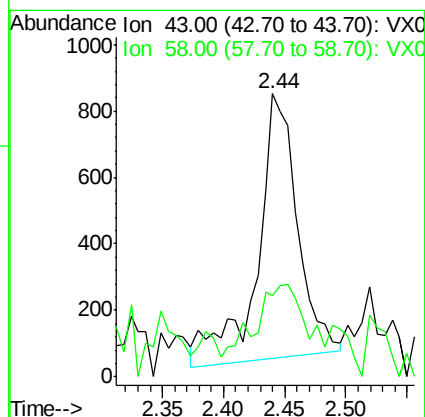
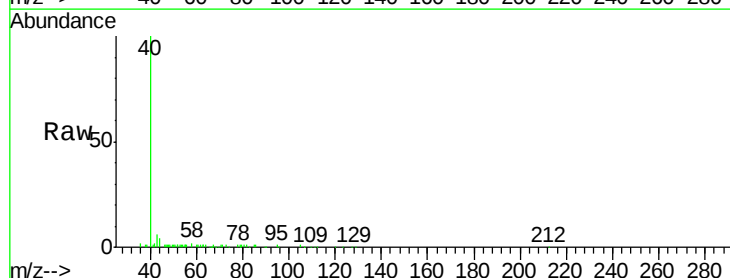
Acq: 21 Mar 2019 00:47

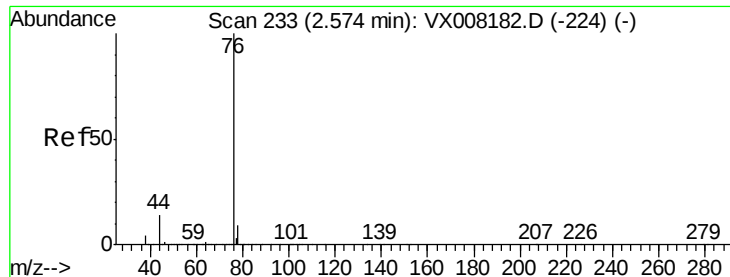
Tgt Ion: 43 Resp: 1825

Ion Ratio Lower Upper

43 100

58 23.6 25.5 38.3#





#17

Carbon Disulfide

Concen: 0.818 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX008263.D

Acq: 21 Mar 2019 00:47

Instrument :

MSVOA_X

ClientSampleId :

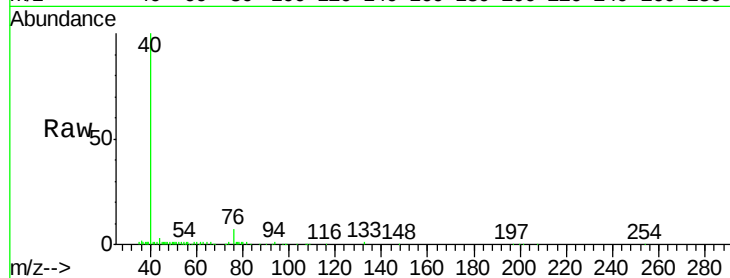
BPS1-TT-MW309S-20190313RE

Tot Ion: 76 Resp: 1917

Ion Ratio Lower Upper

76 100

78 7.6 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.58

1200

1000

800

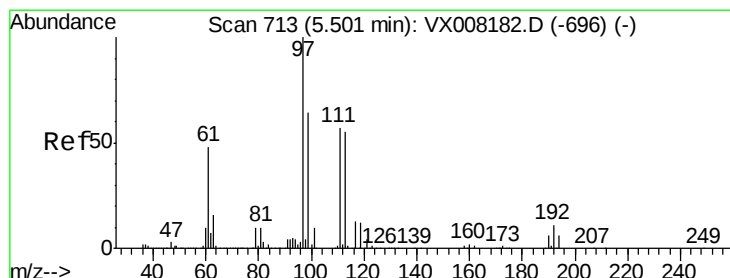
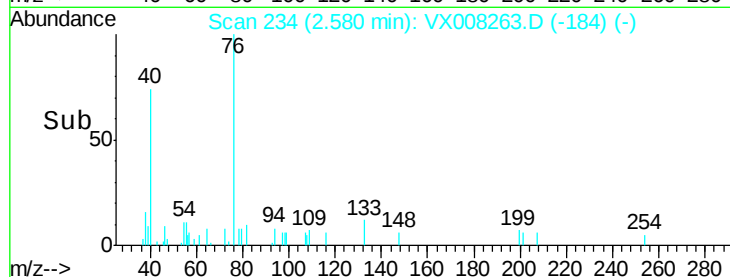
600

400

200

0

Time-->



#32

1,1,1-Trichloroethane

Concen: 0.531 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX008263.D

Acq: 21 Mar 2019 00:47

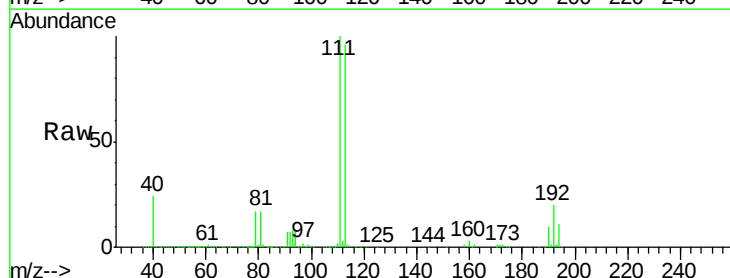
Tgt Ion: 97 Resp: 3685

Ion Ratio Lower Upper

97 100

99 0.0 52.2 78.2#

61 61.1 34.9 52.3#



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

60000

50000

40000

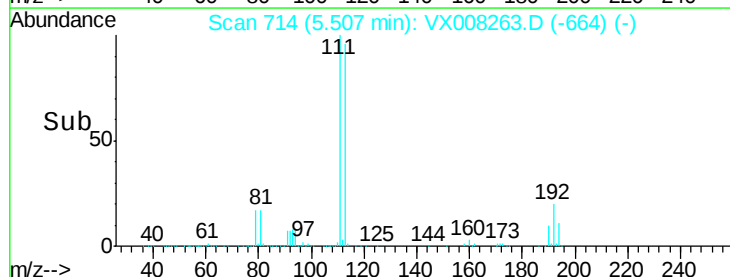
30000

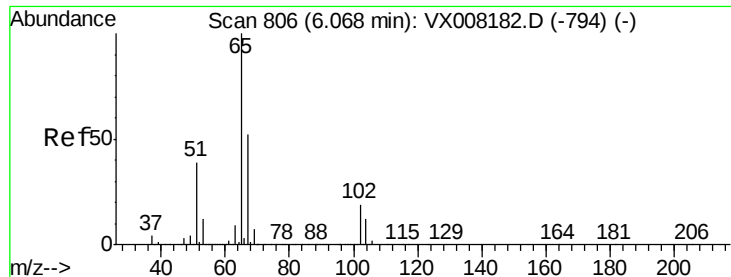
20000

10000

0

Time-->

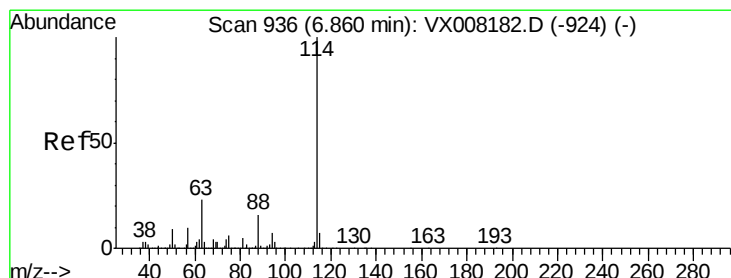
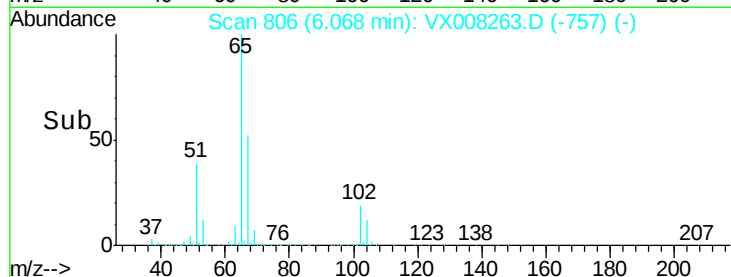
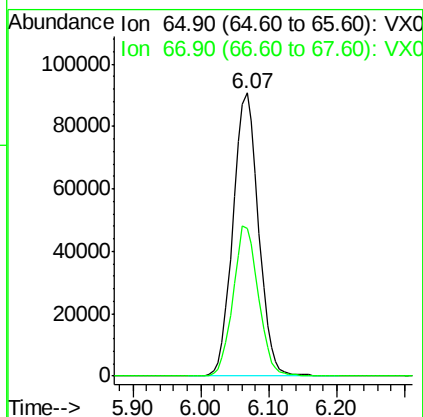
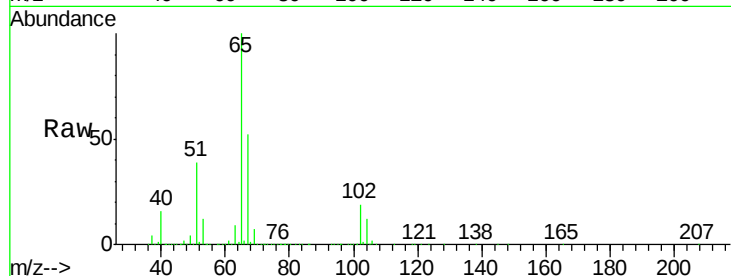




#33
 1,2-Dichloroethane-d4
 Concen: 46.835 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX008263.D
 Acq: 21 Mar 2019 00:47

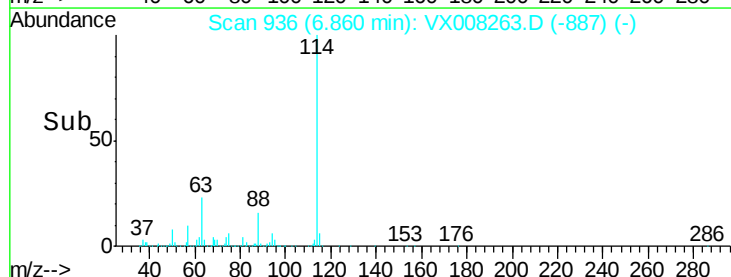
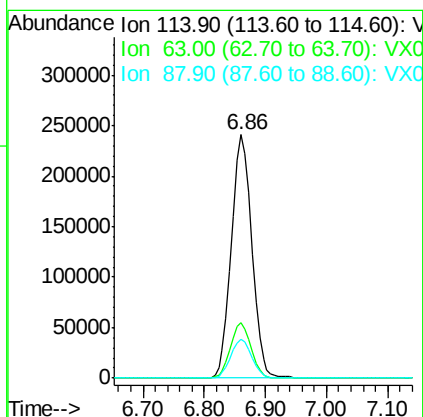
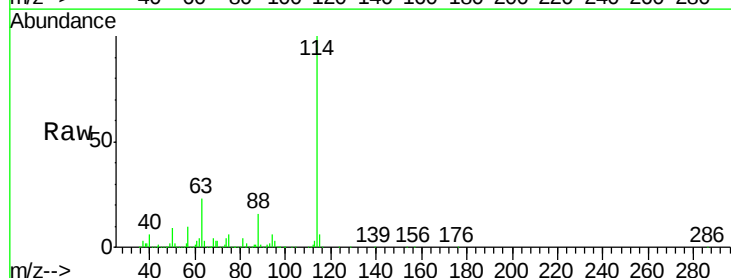
Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW309S-20190313RE

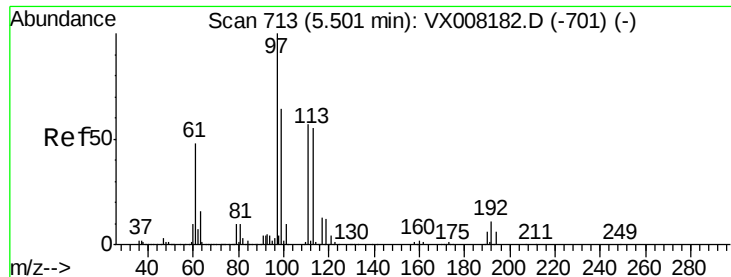
Tot Ion: 65 Resp: 236485
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008263.D
 Acq: 21 Mar 2019 00:47

Tgt Ion: 114 Resp: 552581
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 39.8
 88 15.8 0.0 31.4

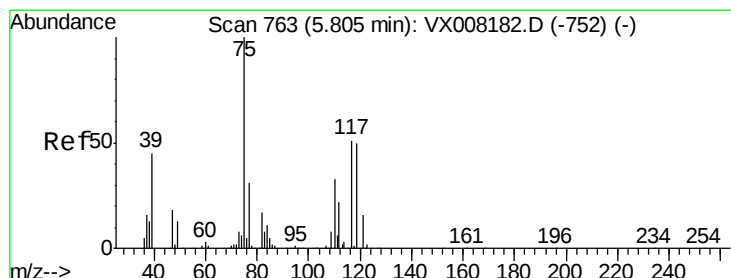
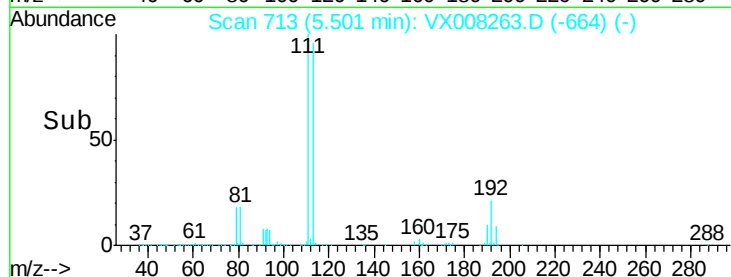
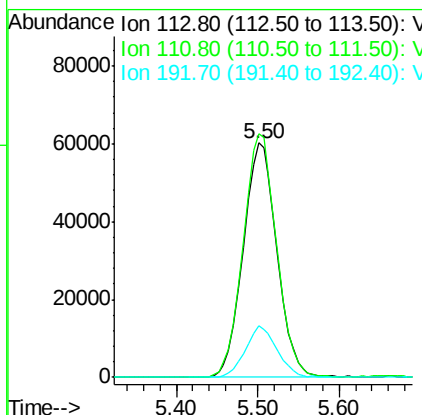
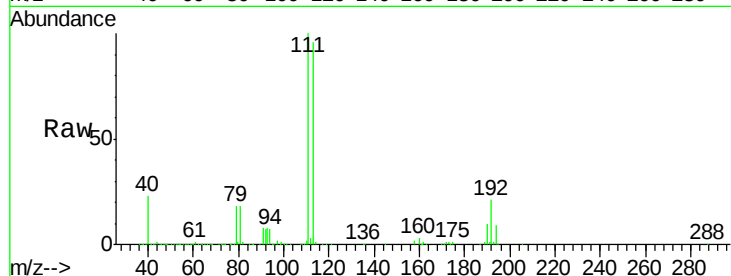




#35
 Dibromofluoromethane
 Concen: 46.739 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX008263.D
 Acq: 21 Mar 2019 00:47

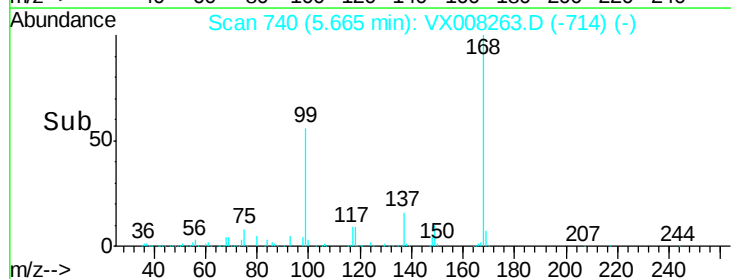
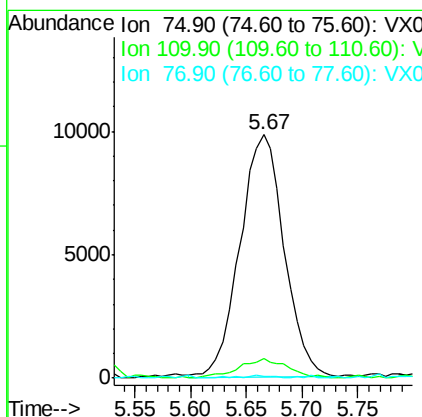
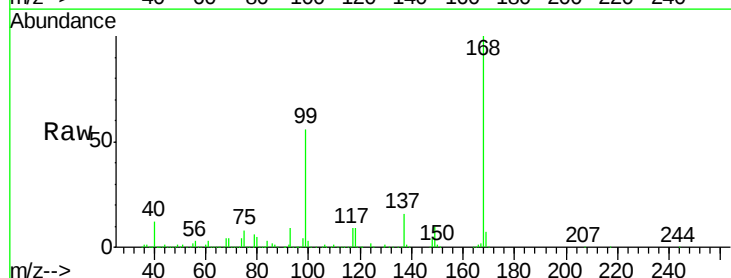
Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW309S-20190313RE

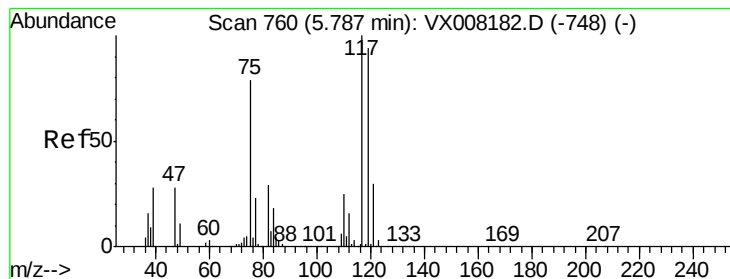
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.4	122.0
192	20.7	19.4	29.0



#36
 1,1-Dichloropropene
 Concen: 4.218 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.14 min
 Lab File: VX008263.D
 Acq: 21 Mar 2019 00:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.4	55.0#
77	0.6	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 5.646 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008263.D

Acq: 21 Mar 2019 00:47

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW309S-20190313RE

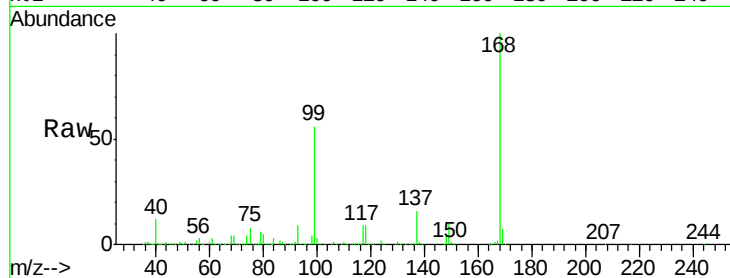
Tot Ion:117 Resp: 32364

Ion Ratio Lower Upper

117 100

119 4.9 76.2 114.2#

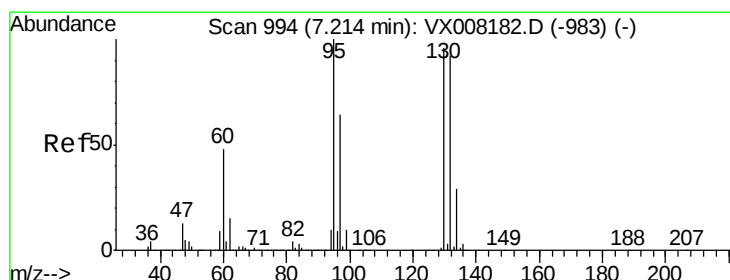
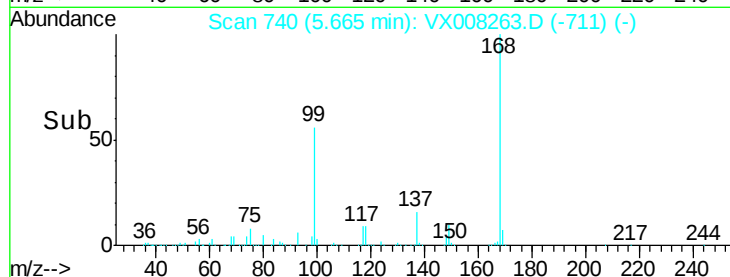
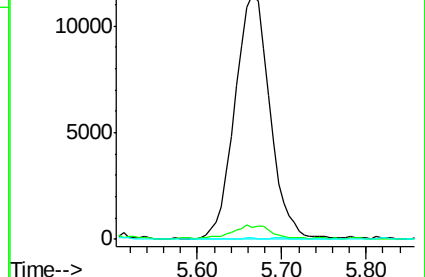
121 0.7 24.6 36.8#



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



#44

Trichloroethene

Concen: 5.131 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008263.D

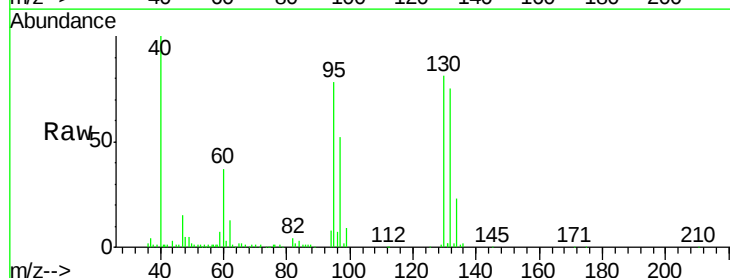
Acq: 21 Mar 2019 00:47

Tgt Ion:130 Resp: 23889

Ion Ratio Lower Upper

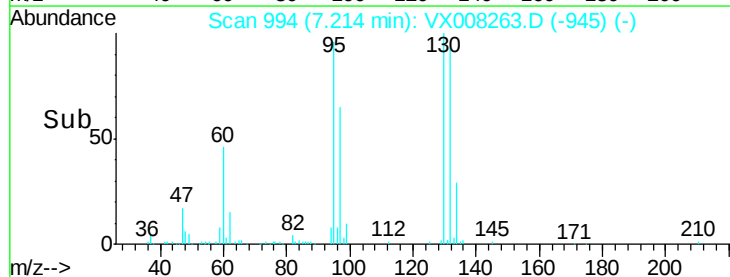
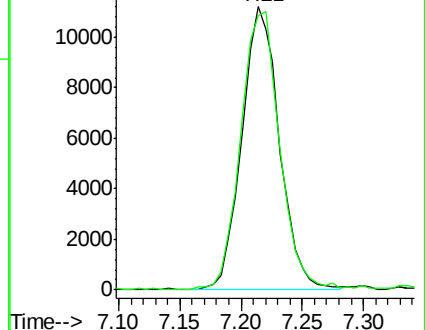
130 100

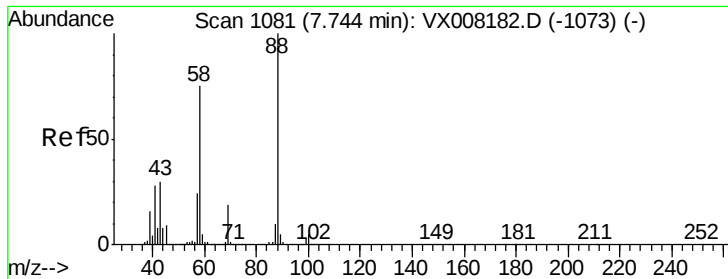
95 96.9 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

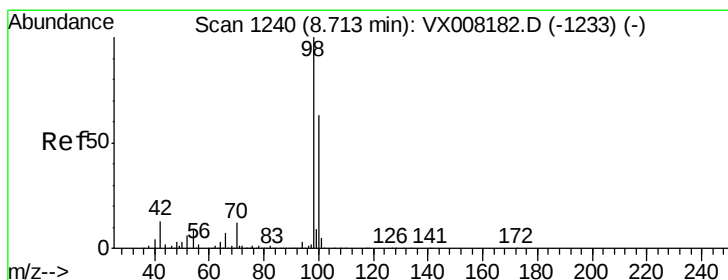
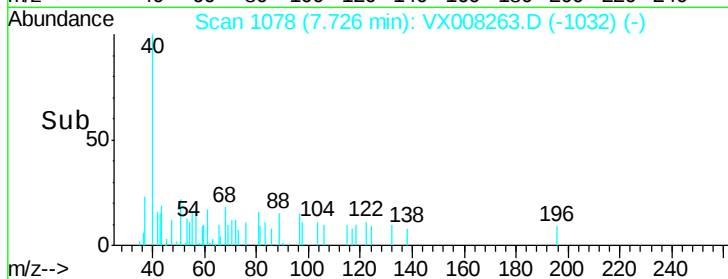
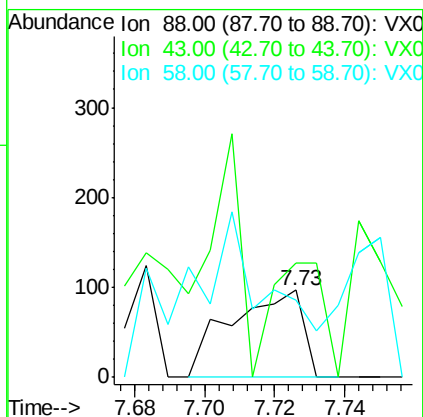
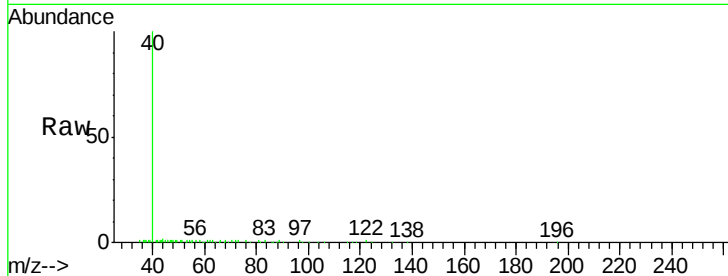




#49
 1,4-Dioxane
 Concen: 1.207 ug/l
 RT: 7.73 min Scan# 1078
 Delta R.T. -0.02 min
 Lab File: VX008263.D
 Acq: 21 Mar 2019 00:47

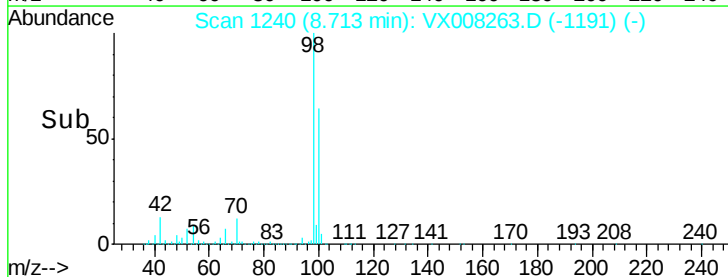
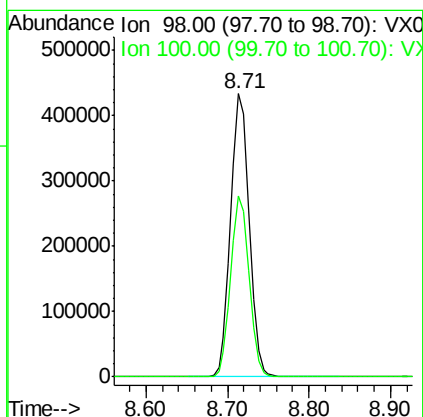
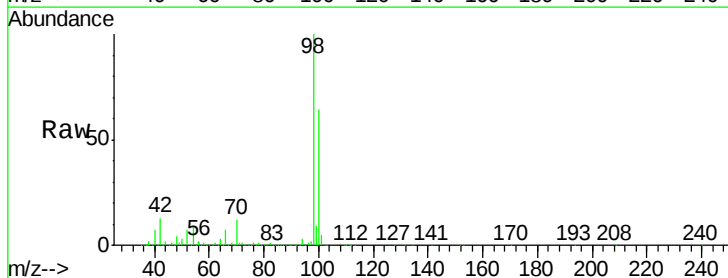
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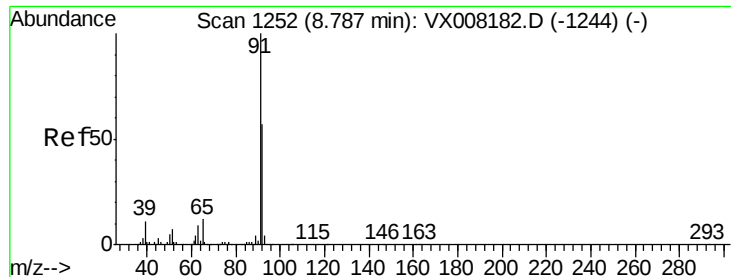
Tot Ion: 88 Resp: 138
 Ion Ratio Lower Upper
 88 100
 43 67.4 25.1 37.7#
 58 0.0 57.8 86.6#



#50
 Toluene-d8
 Concen: 48.193 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX008263.D
 Acq: 21 Mar 2019 00:47

Tgt Ion: 98 Resp: 675892
 Ion Ratio Lower Upper
 98 100
 100 63.5 51.7 77.5





#52

Toluene

Concen: 0.369 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008263.D

Acq: 21 Mar 2019 00:47

Instrument :

MSVOA_X

ClientSampleId :

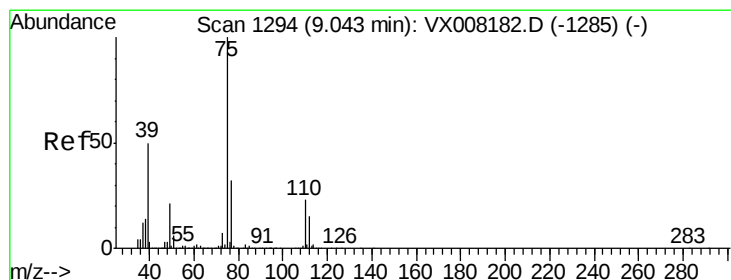
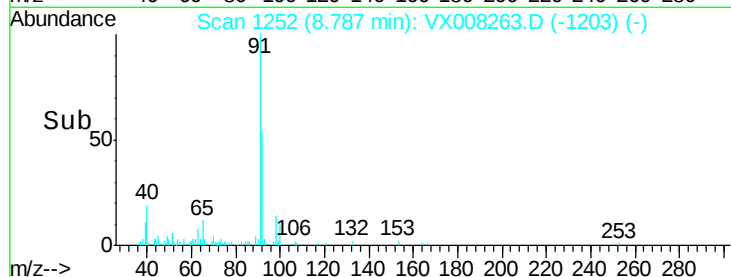
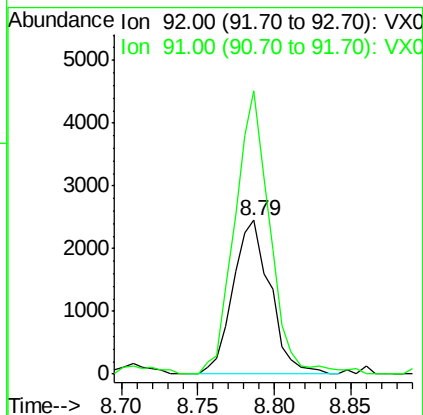
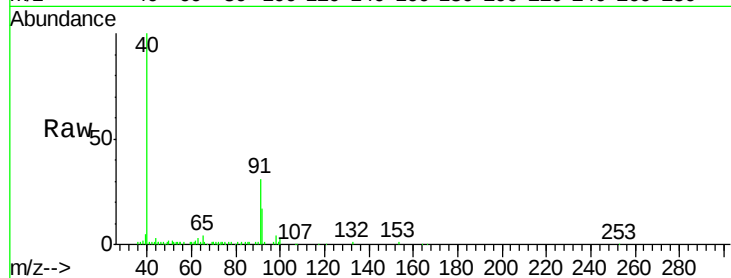
BPS1-TT-MW309S-20190313RE

Tot Ion: 92 Resp: 4171

Ion Ratio Lower Upper

92 100

91 172.3 137.4 206.0



#53

t-1,3-Dichloropropene

Concen: 1.464 ug/l

RT: 9.02 min Scan# 1291

Delta R.T. -0.02 min

Lab File: VX008263.D

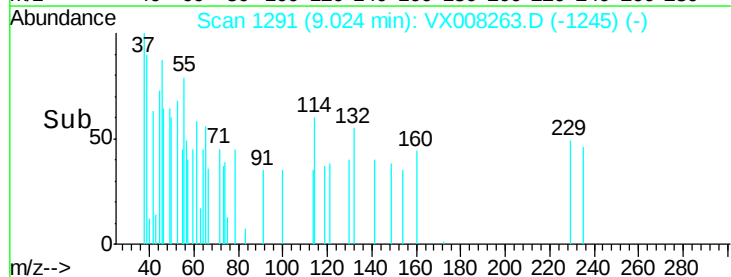
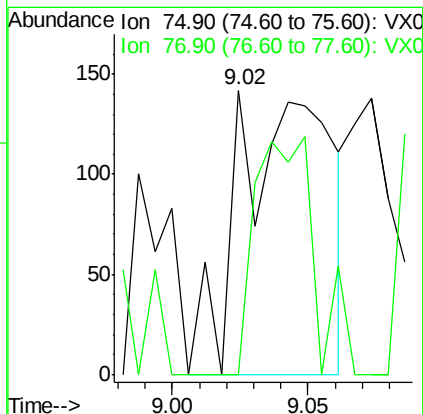
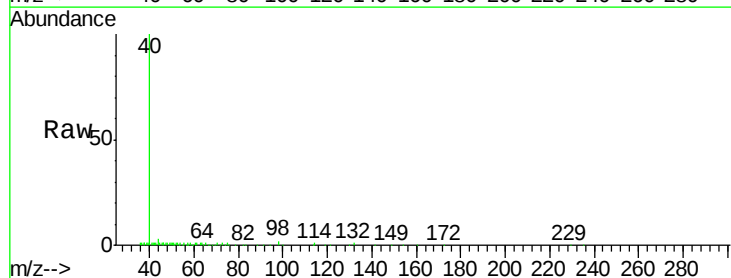
Acq: 21 Mar 2019 00:47

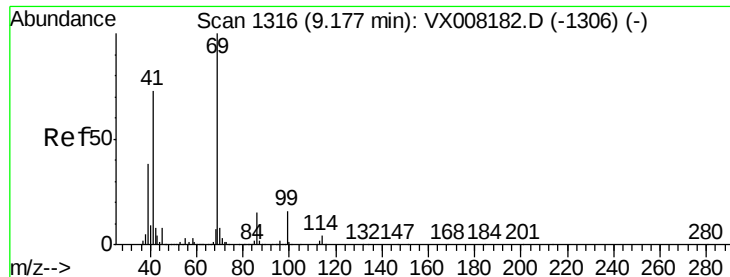
Tgt Ion: 75 Resp: 327

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#





#56

Ethyl methacrylate

Concen: 0.532 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008263.D

Acq: 21 Mar 2019 00:47

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW309S-20190313RE

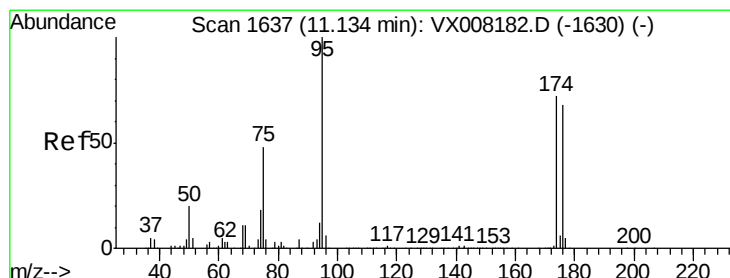
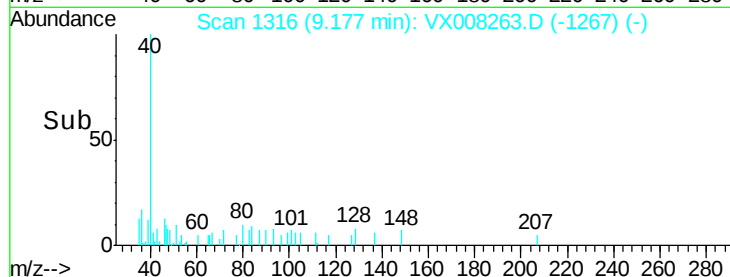
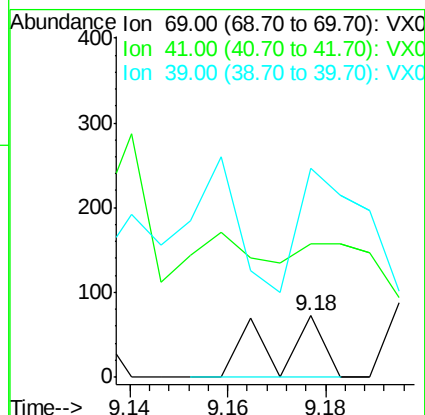
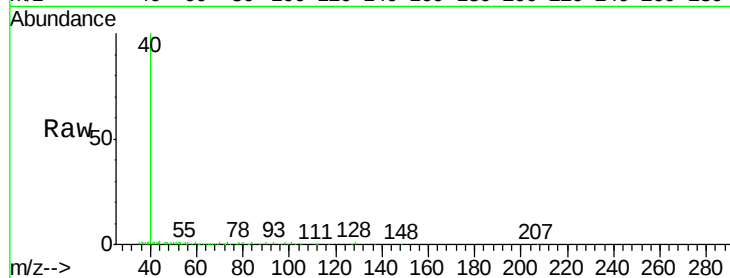
Tot Ion: 69 Resp: 52

Ion Ratio Lower Upper

69 100

41 125.0 54.2 81.4#

39 251.9 25.0 37.4#



#62

4-Bromofluorobenzene

Concen: 44.545 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008263.D

Acq: 21 Mar 2019 00:47

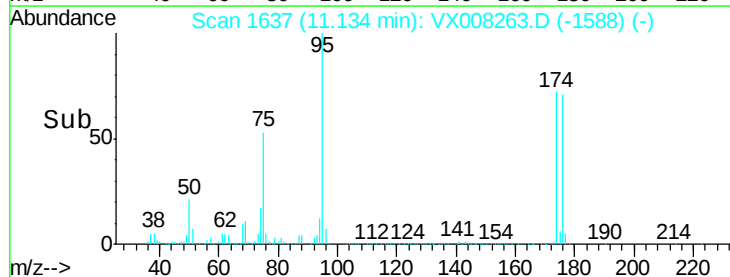
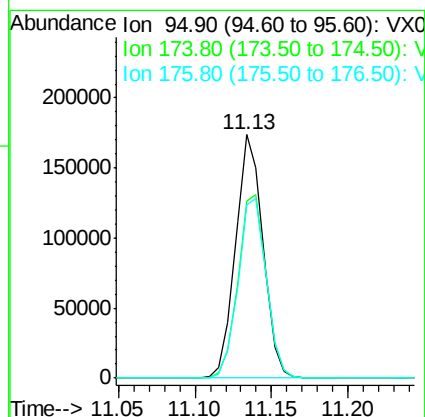
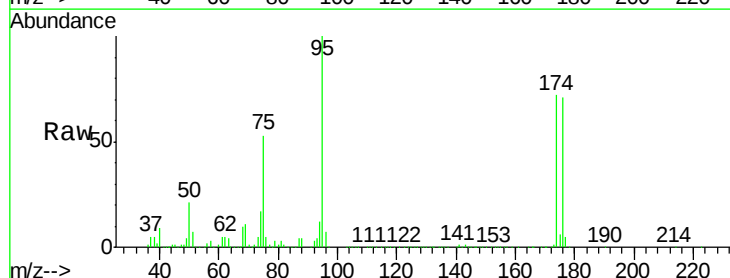
Tgt Ion: 95 Resp: 215111

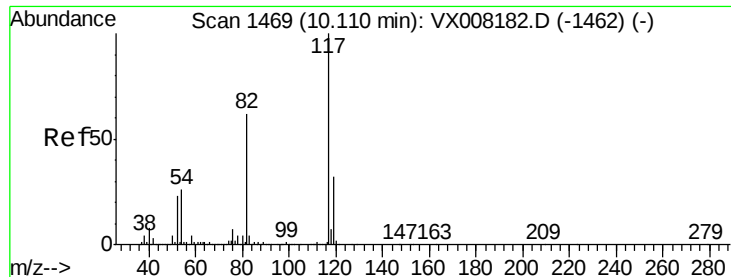
Ion Ratio Lower Upper

95 100

174 77.9 0.0 182.8

176 76.7 0.0 178.0

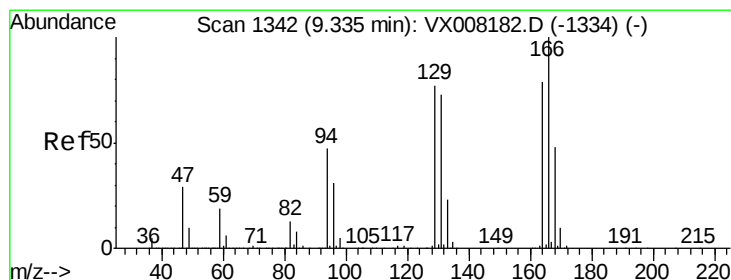
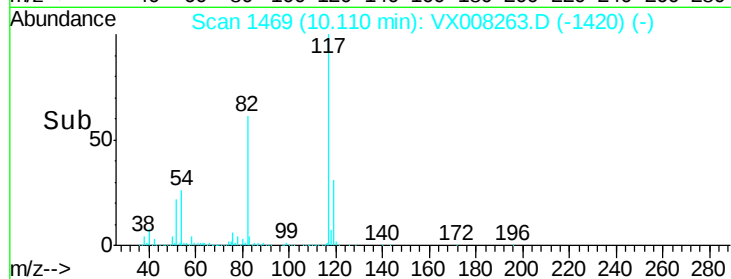
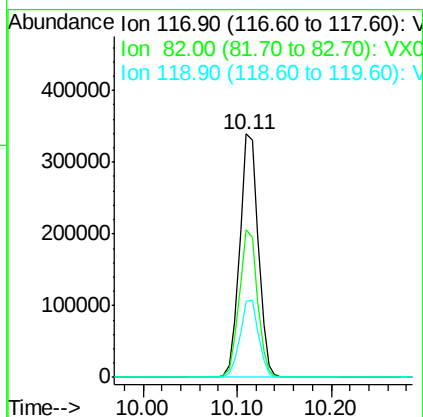
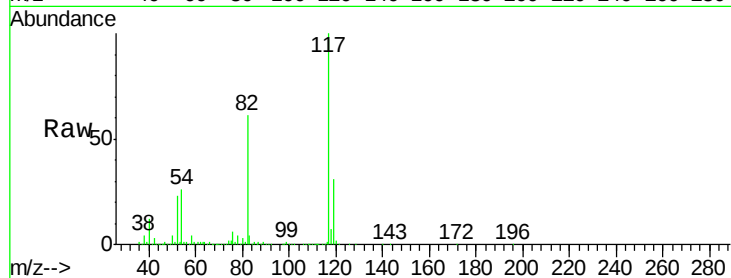




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008263.D
Acq: 21 Mar 2019 00:47

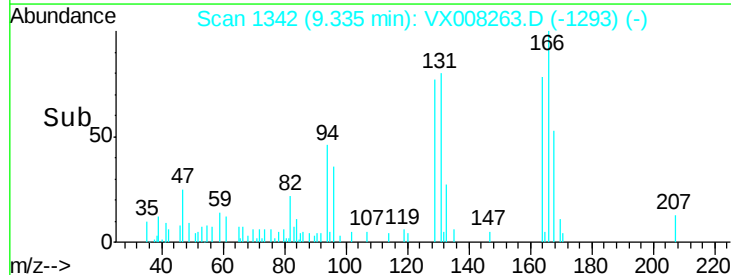
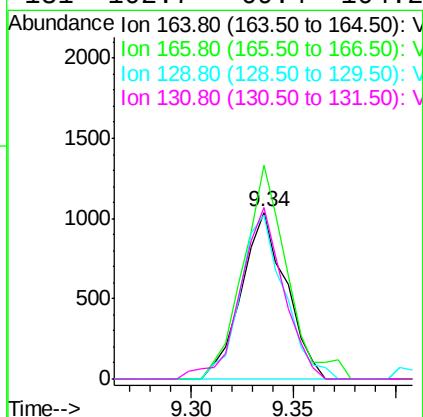
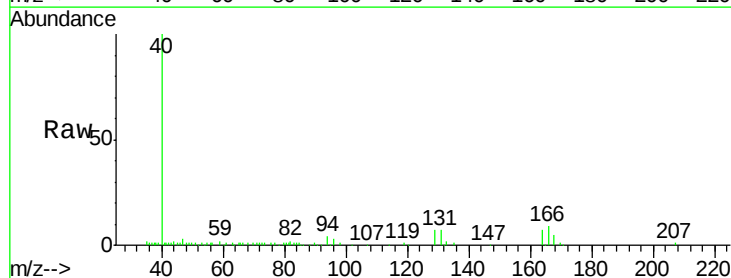
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW309S-20190313RE

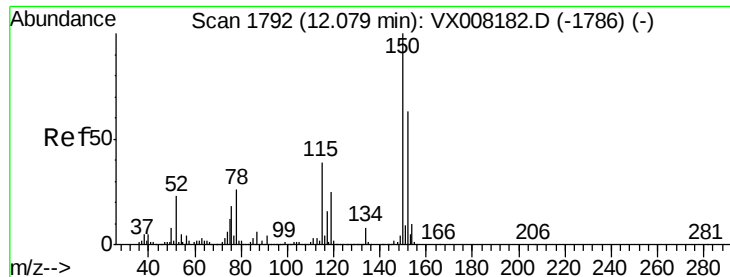
Tot Ion:117 Resp: 466492
Ion Ratio Lower Upper
117 100
82 60.6 44.3 66.5
119 31.3 25.3 37.9



#64
Tetrachloroethene
Concen: 0.375 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008263.D
Acq: 21 Mar 2019 00:47

Tgt Ion:164 Resp: 1577
Ion Ratio Lower Upper
164 100
166 128.1 103.4 155.0
129 98.3 72.2 108.4
131 102.7 69.4 104.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008263.D

Acq: 21 Mar 2019 00:47

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW309S-20190313RE

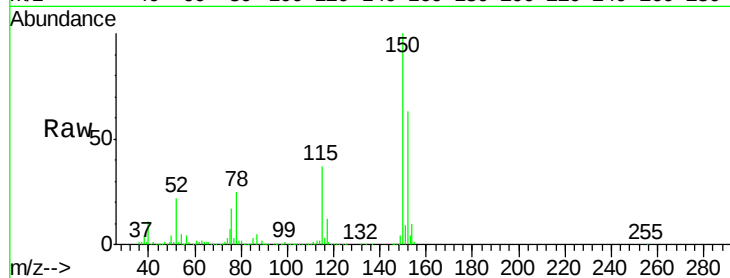
Tot Ion:152 Resp: 186602

Ion Ratio Lower Upper

152 100

115 59.9 38.6 115.7

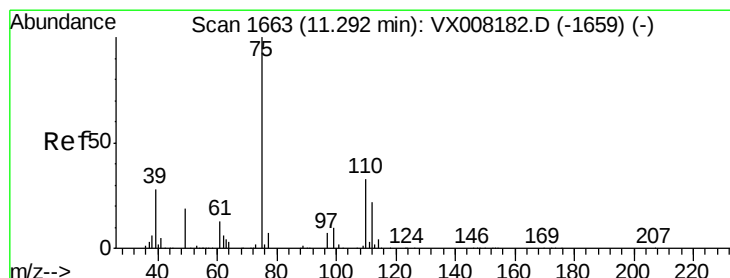
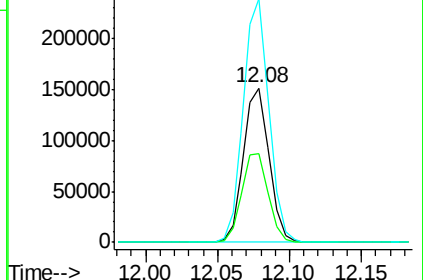
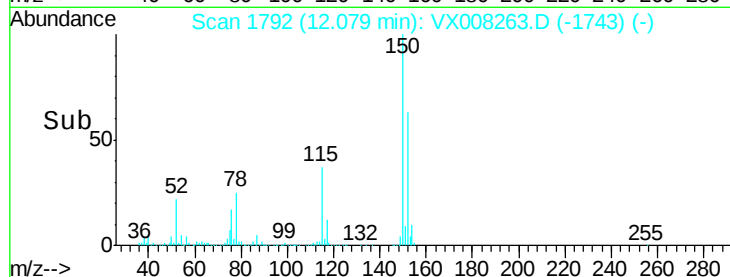
150 157.6 0.0 348.4



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: 21.528 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008263.D

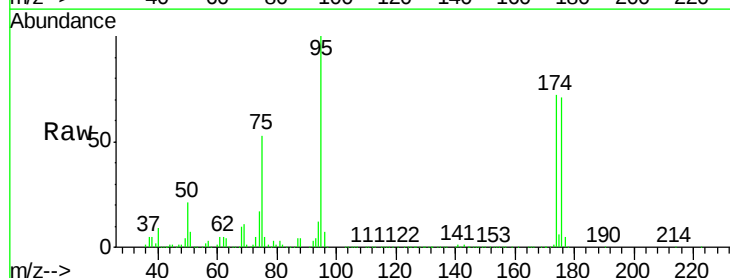
Acq: 21 Mar 2019 00:47

Tgt Ion: 75 Resp: 112987

Ion Ratio Lower Upper

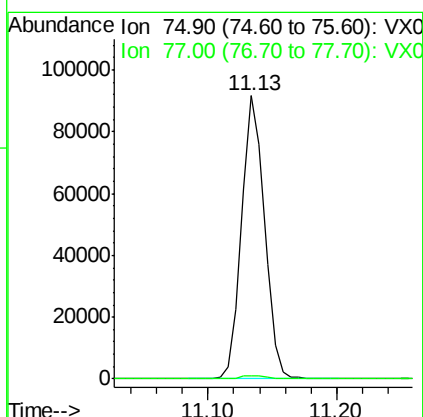
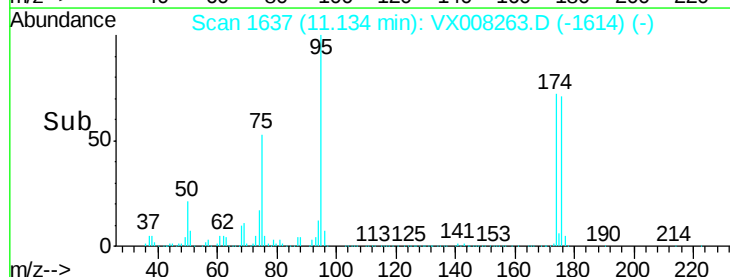
75 100

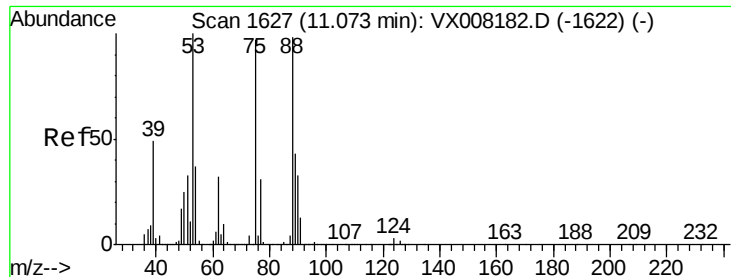
77 1.3 18.9 56.7#



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: 54.741 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008263.D

Acq: 21 Mar 2019 00:47

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW309S-20190313RE

Tot Ion: 75 Resp: 112987

Ion Ratio Lower Upper

75 100

53 0.1 76.1 114.1#

89 0.0 36.3 54.5#

