

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032119\
 Data File : VX008301.D
 Acq On : 21 Mar 2019 19:32
 Operator : JC/SP
 Sample : K1937-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB04-20190313

Quant Time: Mar 22 08:46:31 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	228320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	375799	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	322795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	136406	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	153390	44.61	ug/l	0.00
Spiked Amount			Recovery	=	89.22%	
35) Dibromofluoromethane	5.50	113	115030	45.72	ug/l	0.00
Spiked Amount			Recovery	=	91.44%	
50) Toluene-d8	8.71	98	457665	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
62) 4-Bromofluorobenzene	11.13	95	146567	44.63	ug/l	0.00
Spiked Amount			Recovery	=	89.26%	

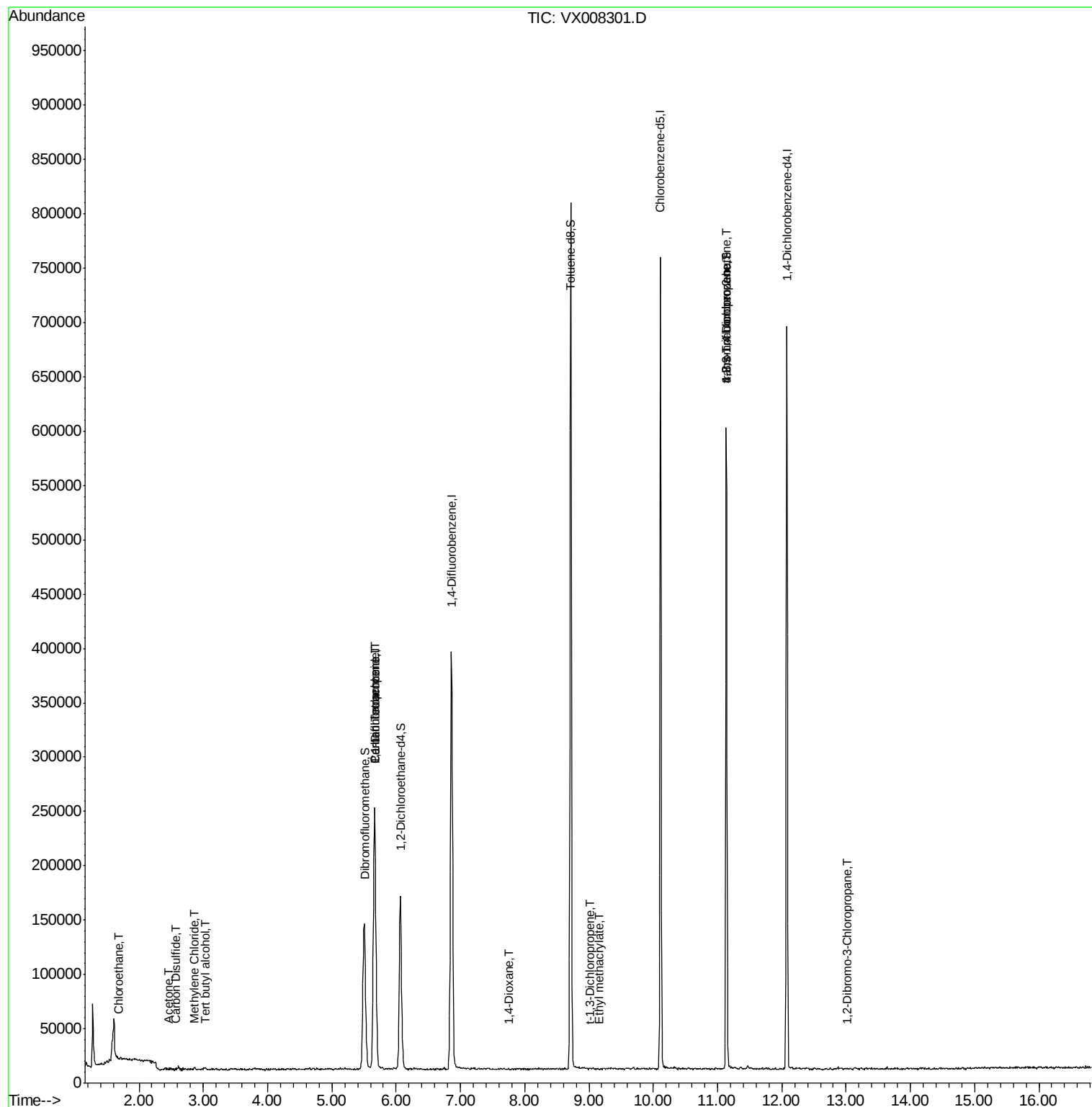
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.68	64	1890	0.870	ug/l #	43
11) Tert butyl alcohol	3.03	59	1315	1.786	ug/l	99
13) Acrolein	2.28	56	280	Below Cal	#	1
16) Acetone	2.45	43	851	0.436	ug/l #	80
17) Carbon Disulfide	2.58	76	766	0.759	ug/l #	13
20) Methylene Chloride	2.86	84	999	0.307	ug/l #	74
36) 1,1-Dichloropropene	5.66	75	17565	4.015	ug/l #	51
38) Carbon Tetrachloride	5.67	117	22078	5.663	ug/l #	16
49) 1,4-Dioxane	7.76	88	44	0.566	ug/l #	8
53) t-1,3-Dichloropropene	9.02	75	31	1.428	ug/l #	1
56) Ethyl methacrylate	9.16	69	74	0.539	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	78479	20.456	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	78479	52.085	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	13.01	75	214	0.221	ug/l #	2

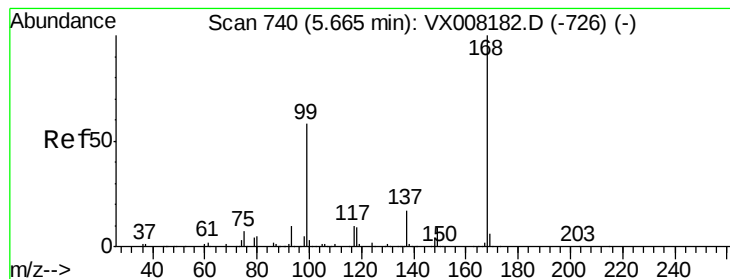
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032119\
Data File : VX008301.D
Acq On : 21 Mar 2019 19:32
Operator : JC/SP
Sample : K1937-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-TB04-20190313

Quant Time: Mar 22 08:46:31 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 19 13:15:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008301.D

Acq: 21 Mar 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

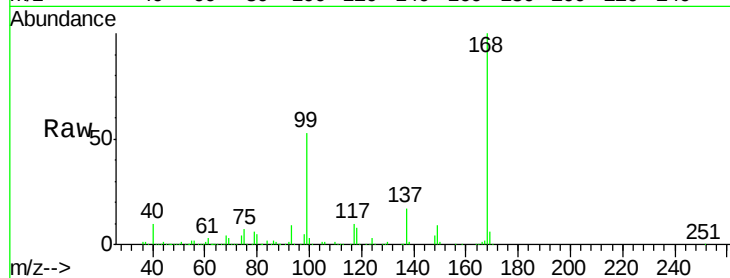
BP-TB04-20190313

Tot Ion:168 Resp: 228320

Ion Ratio Lower Upper

168 100

99 53.1 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

80000

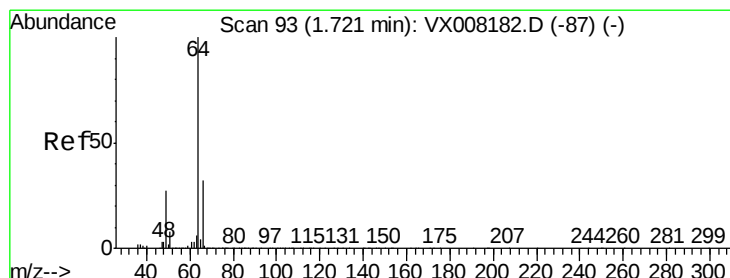
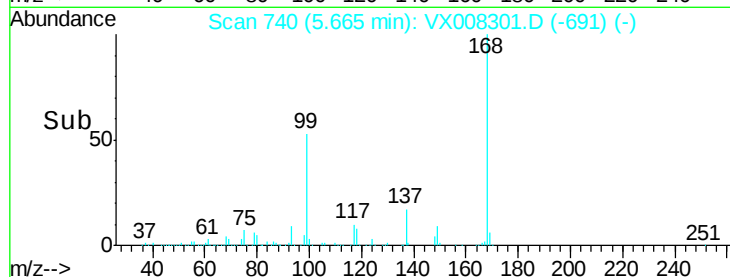
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.870 ug/l

RT: 1.68 min Scan# 87

Delta R.T. -0.04 min

Lab File: VX008301.D

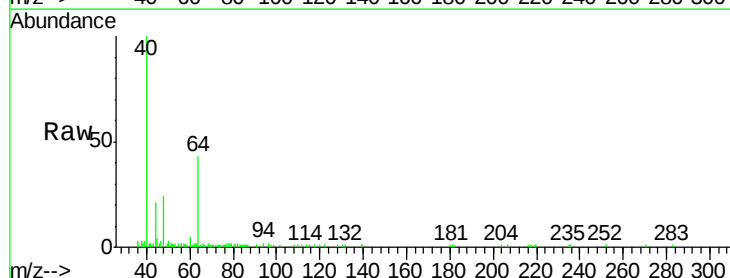
Acq: 21 Mar 2019 19:32

Tgt Ion: 64 Resp: 1890

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.68

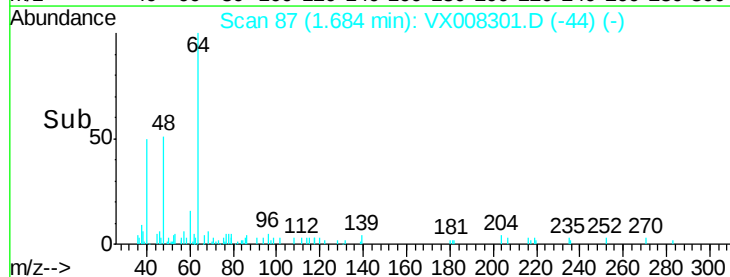
3000

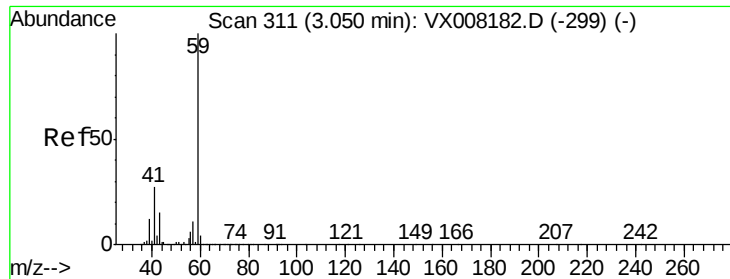
2000

1000

0

Time--> 1.65 1.70 1.75



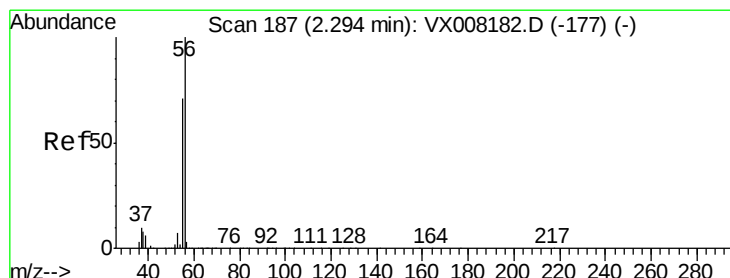
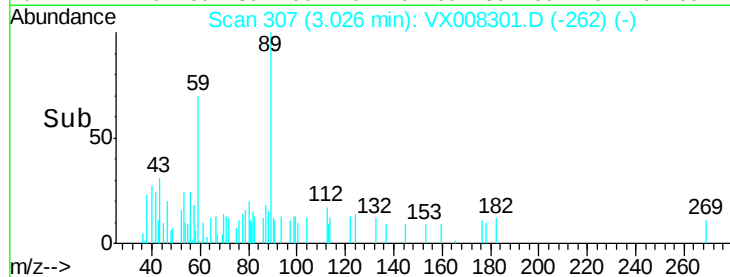
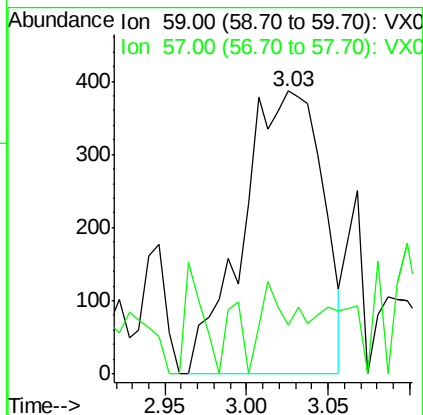
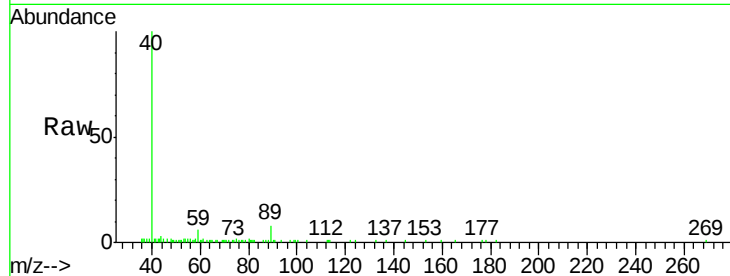


#11

Tert butyl alcohol
 Concen: 1.786 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VX008301.D
 Acq: 21 Mar 2019 19:32

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB04-20190313

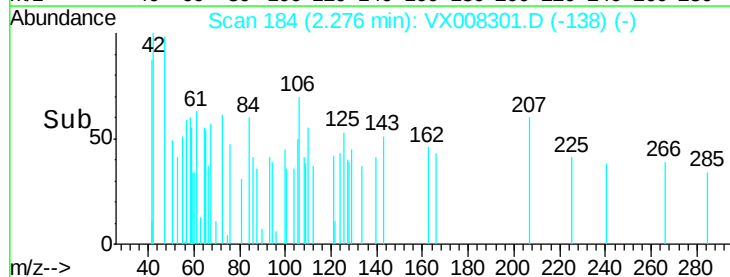
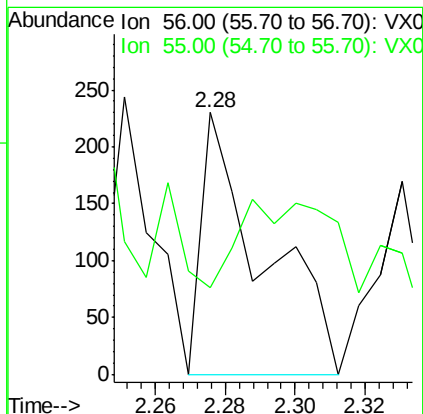
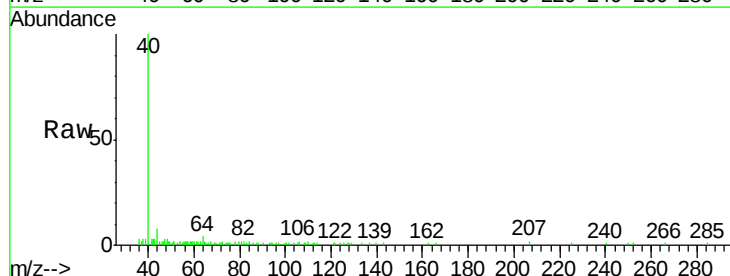
Tot Ion: 59 Resp: 1315
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.2 12.2

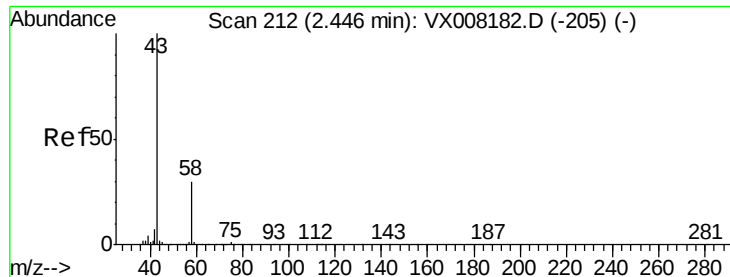


#13

Acrolein
 Concen: Below Cal
 RT: 2.28 min Scan# 184
 Delta R.T. -0.02 min
 Lab File: VX008301.D
 Acq: 21 Mar 2019 19:32

Tgt Ion: 56 Resp: 280
 Ion Ratio Lower Upper
 56 100
 55 169.6 57.8 86.6#





#16

Acetone

Concen: 0.436 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX008301.D

Acq: 21 Mar 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

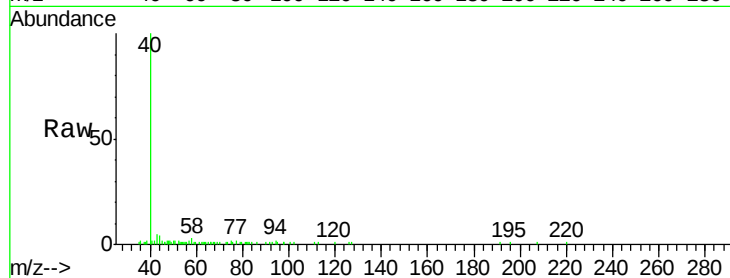
BP-TB04-20190313

Tot Ion: 43 Resp: 851

Ion Ratio Lower Upper

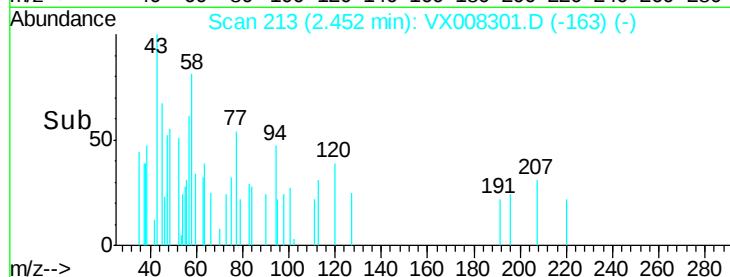
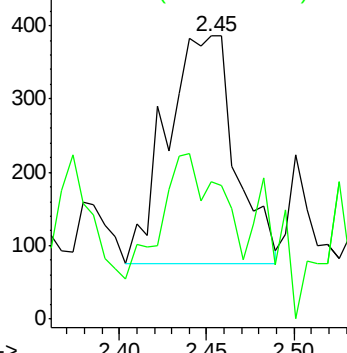
43 100

58 42.8 25.5 38.3#

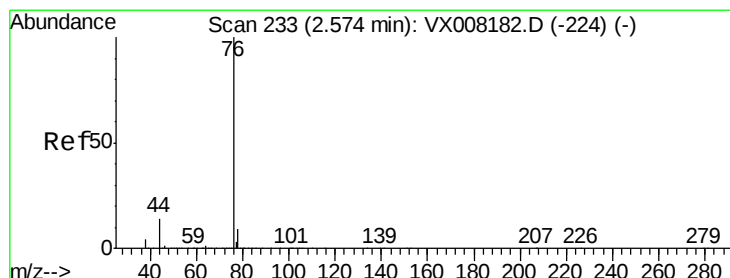


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#17

Carbon Disulfide

Concen: 0.759 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX008301.D

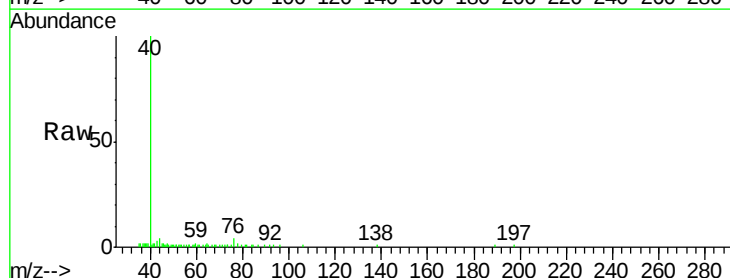
Acq: 21 Mar 2019 19:32

Tgt Ion: 76 Resp: 766

Ion Ratio Lower Upper

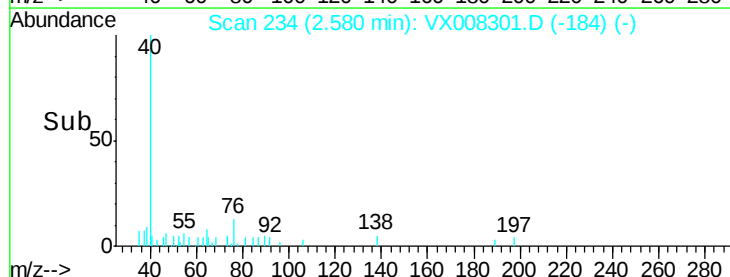
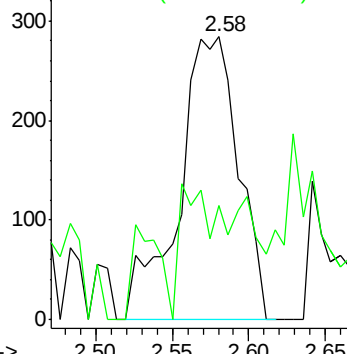
76 100

78 40.5 7.2 10.8#

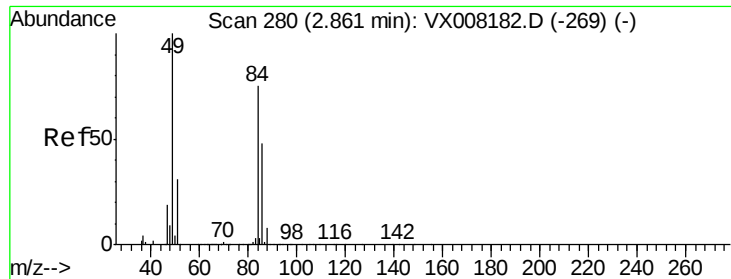


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



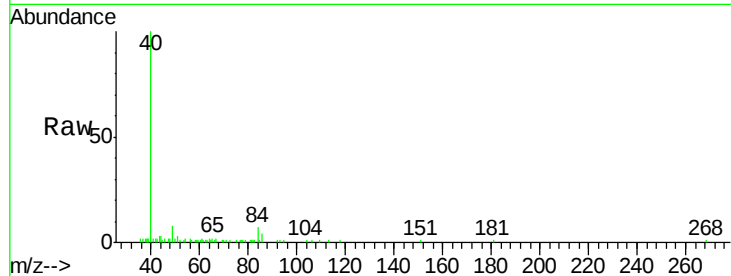
Time-->



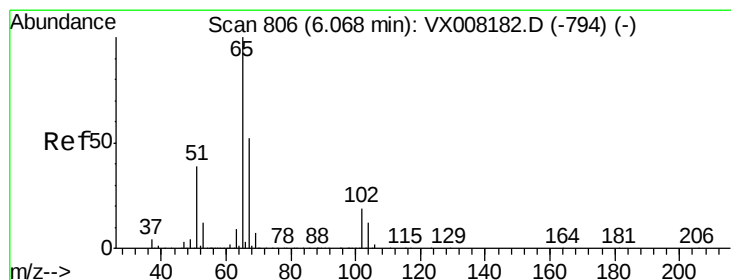
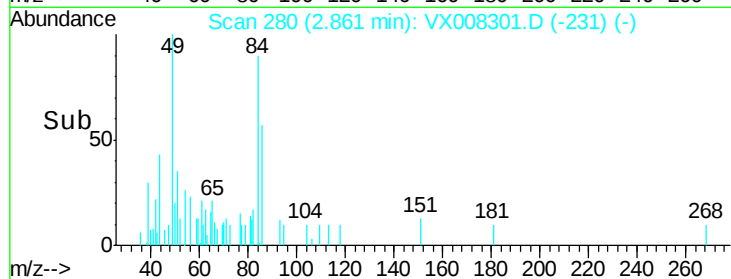
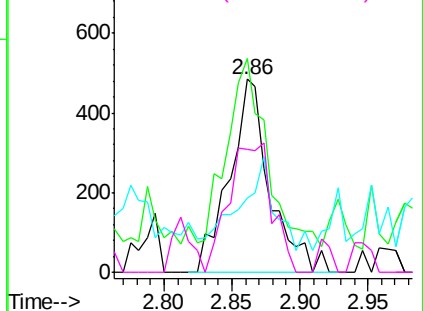
#20
Methvlene Chloride
Concen: 0.307 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008301.D
Acq: 21 Mar 2019 19:32

Instrument :
MSVOA_X
ClientSampleId :
BP-TB04-20190313

Tot Ion: 84 Resp: 999
Ion Ratio Lower Upper
84 100
49 86.6 99.3 148.9#
51 12.0 31.3 46.9#
86 63.6 52.6 79.0

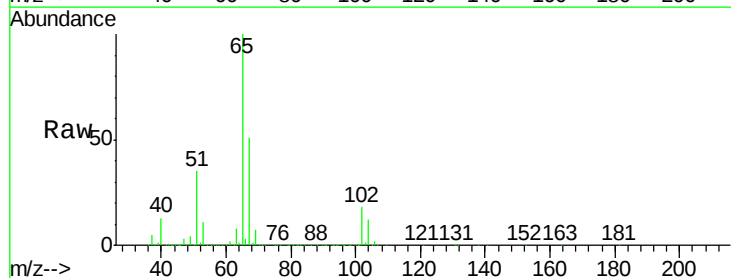


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

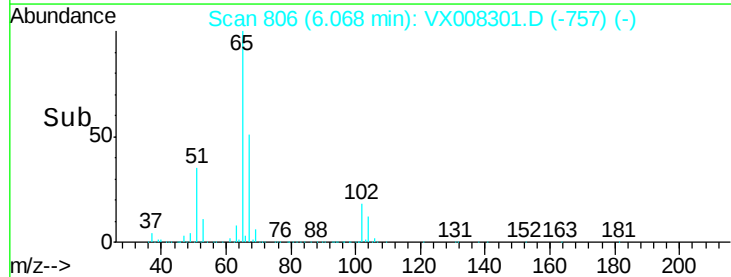
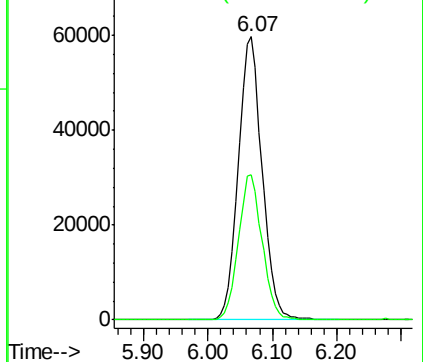


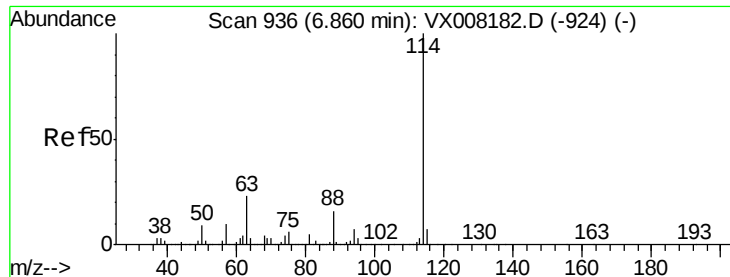
#33
1,2-Dichloroethane-d4
Concen: 44.607 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX008301.D
Acq: 21 Mar 2019 19:32

Tgt Ion: 65 Resp: 153390
Ion Ratio Lower Upper
65 100
67 50.5 0.0 110.0



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008301.D

Acq: 21 Mar 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

BP-TB04-20190313

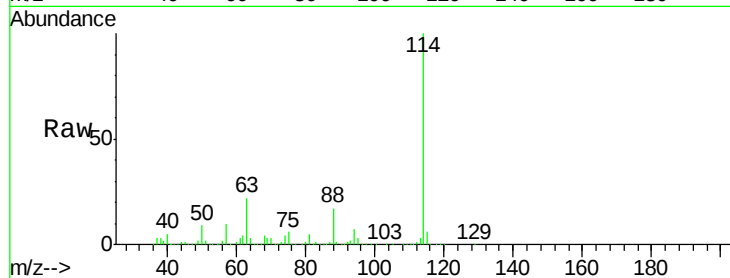
Tot Ion:114 Resp: 375799

Ion Ratio Lower Upper

114 100

63 21.8 0.0 39.8

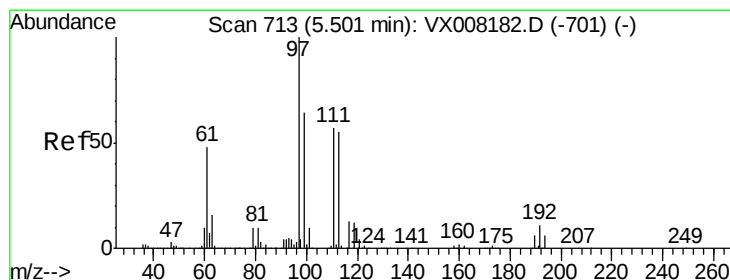
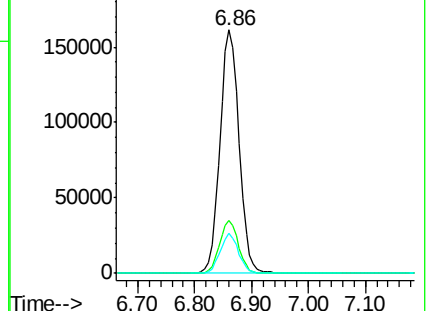
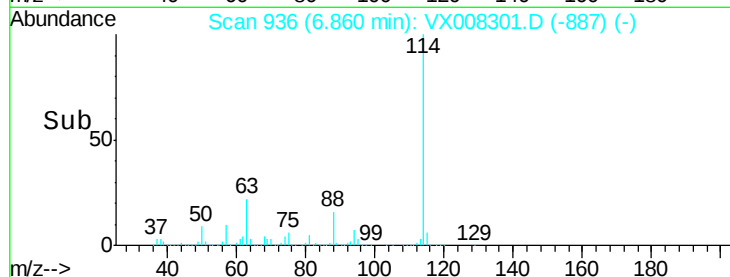
88 16.5 0.0 31.4



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: 45.724 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008301.D

Acq: 21 Mar 2019 19:32

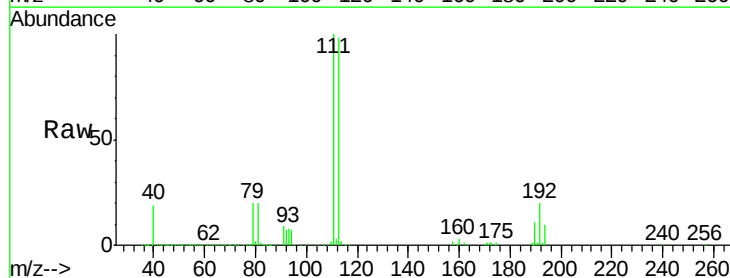
Tgt Ion:113 Resp: 115030

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

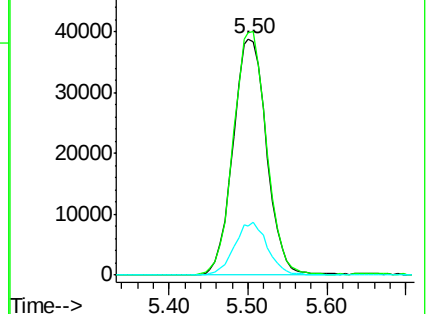
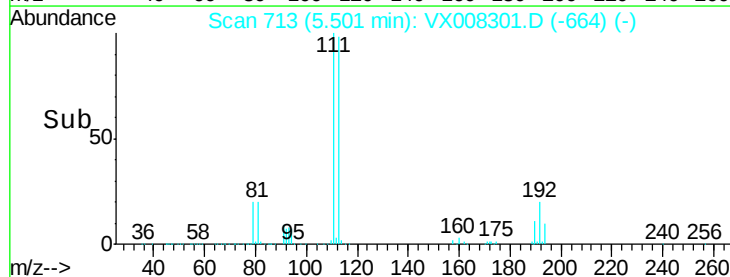
192 21.9 19.4 29.0

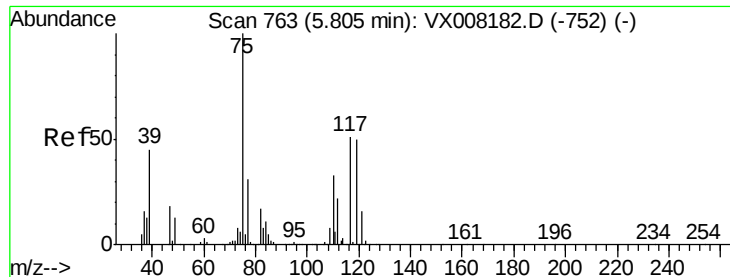


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.015 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.15 min

Lab File: VX008301.D

Acq: 21 Mar 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

BP-TB04-20190313

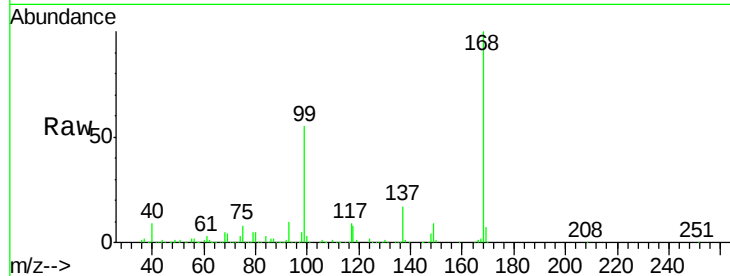
Tot Ion: 75 Resp: 17565

Ion Ratio Lower Upper

75 100

110 10.4 18.4 55.0#

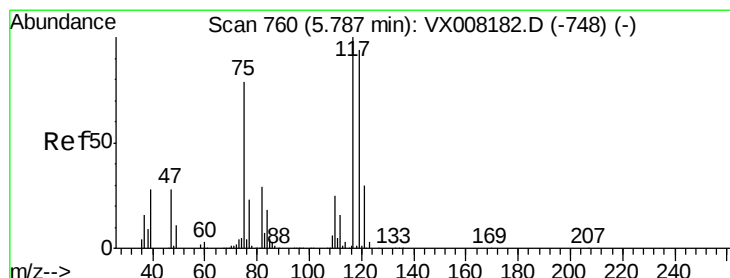
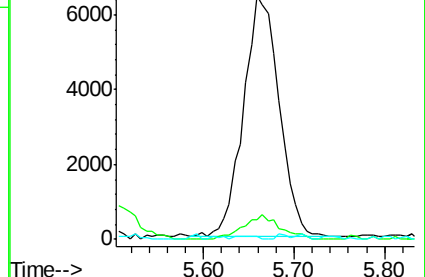
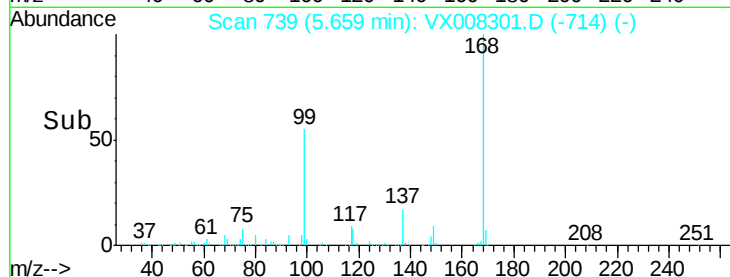
77 0.9 25.0 37.4#



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: 5.663 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008301.D

Acq: 21 Mar 2019 19:32

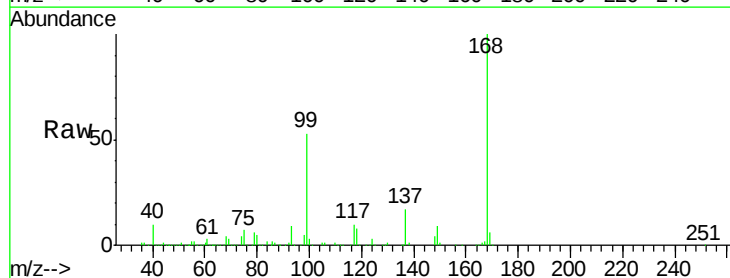
Tgt Ion:117 Resp: 22078

Ion Ratio Lower Upper

117 100

119 4.3 76.2 114.2#

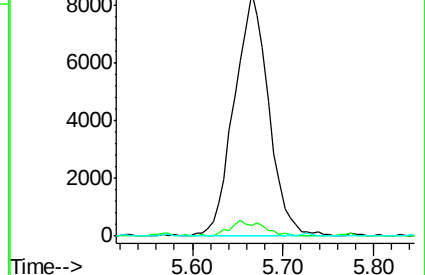
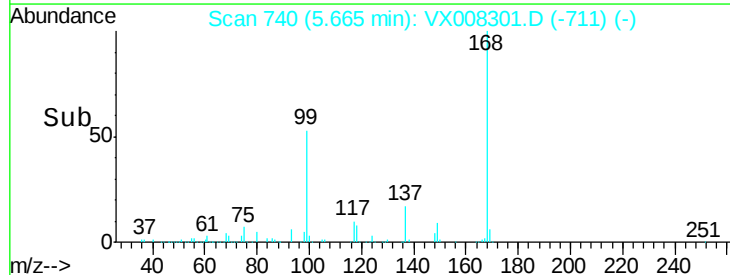
121 0.0 24.6 36.8#

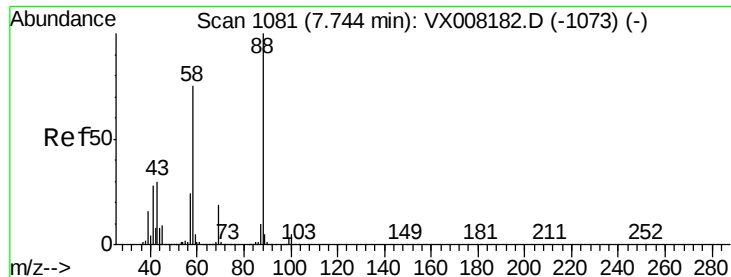


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.566 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VX008301.D

Acq: 21 Mar 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

BP-TB04-20190313

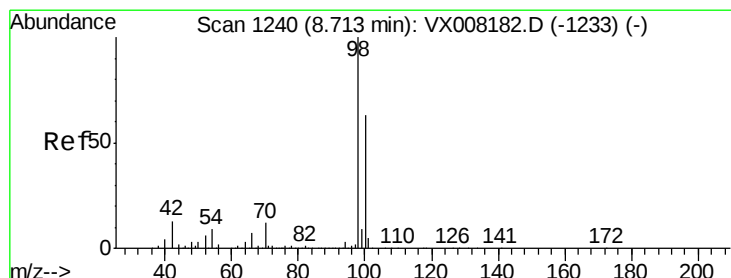
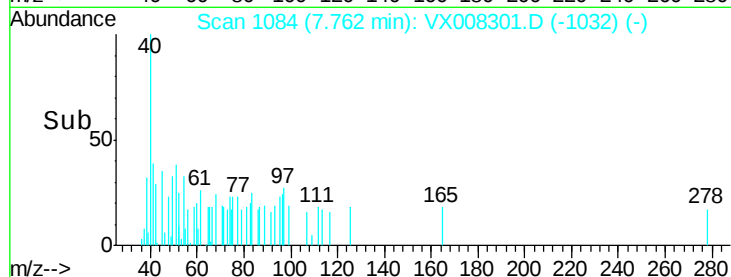
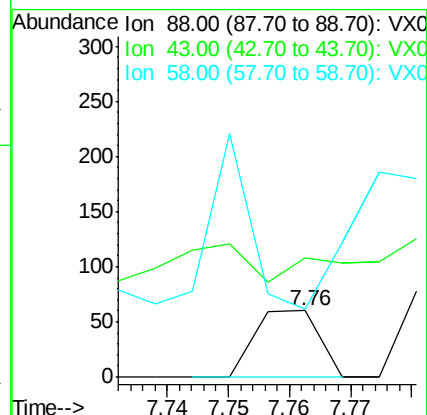
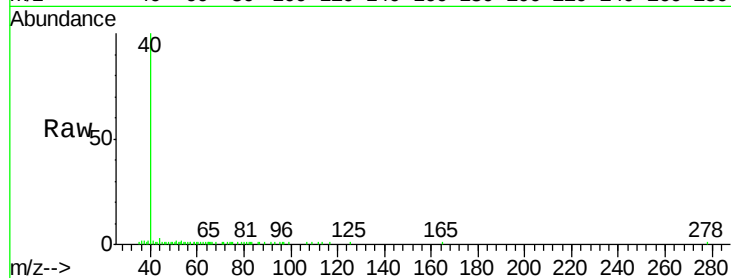
Tot Ion: 88 Resp: 44

Ion Ratio Lower Upper

88 100

43 63.6 25.1 37.7#

58 161.4 57.8 86.6#



#50

Toluene-d8

Concen: 47.983 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008301.D

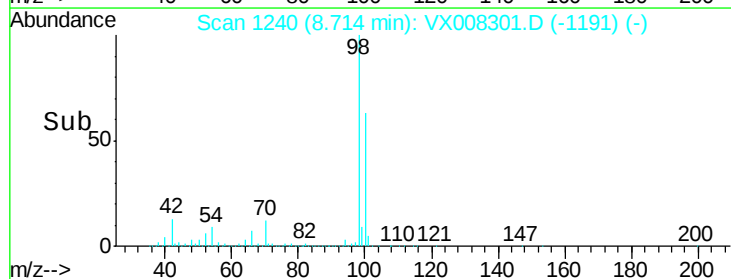
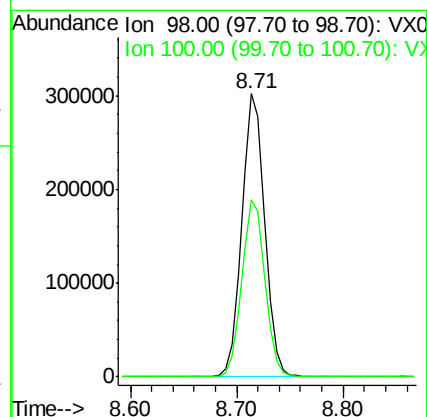
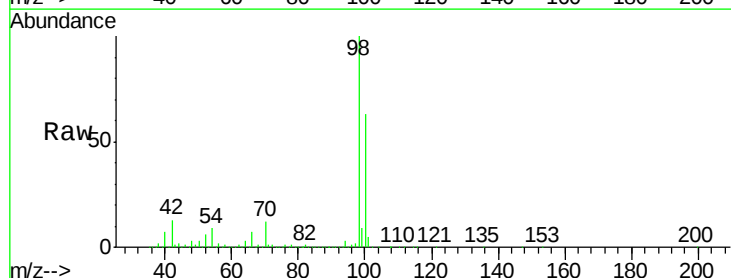
Acq: 21 Mar 2019 19:32

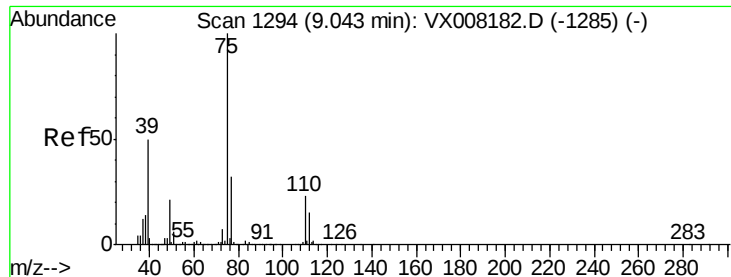
Tgt Ion: 98 Resp: 457665

Ion Ratio Lower Upper

98 100

100 63.2 51.7 77.5





#53

t-1,3-Dichloropropene

Concen: 1.428 ug/l

RT: 9.02 min Scan# 1290

Delta R.T. -0.02 min

Lab File: VX008301.D

Acq: 21 Mar 2019 19:32

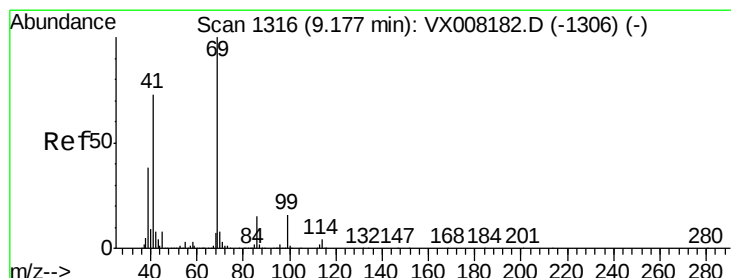
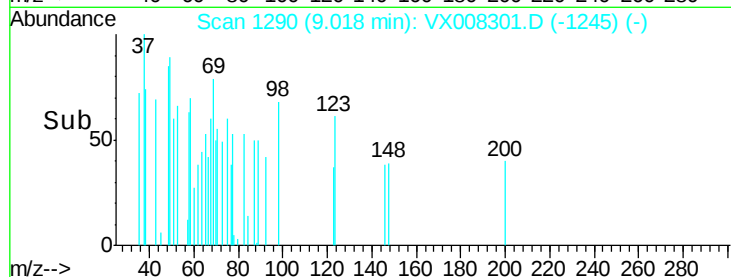
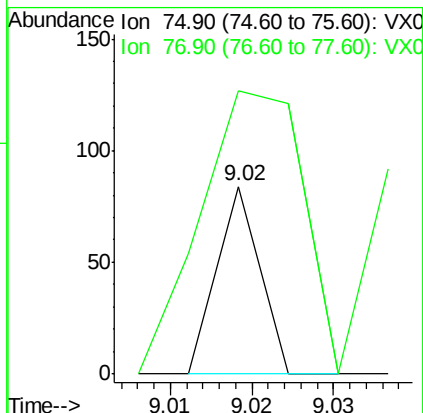
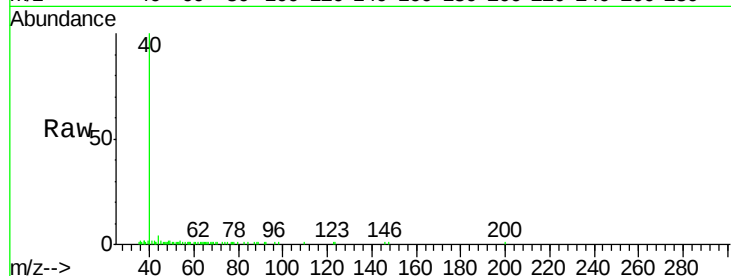
Instrument :
MSVOA_X
ClientSampleId :
BP-TB04-20190313

Tot Ion: 75 Resp: 31

Ion Ratio Lower Upper

75 100

77 151.2 25.4 38.0#



#56

Ethyl methacrylate

Concen: 0.539 ug/l

RT: 9.16 min Scan# 1313

Delta R.T. -0.02 min

Lab File: VX008301.D

Acq: 21 Mar 2019 19:32

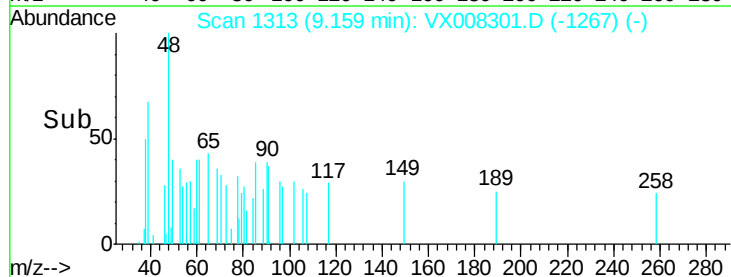
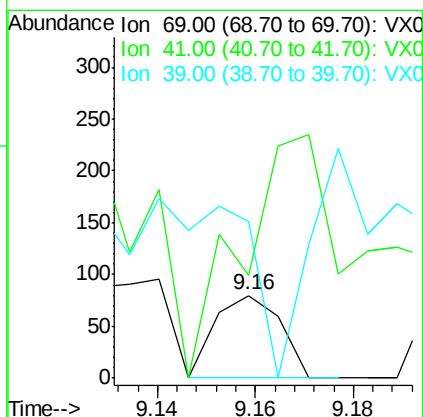
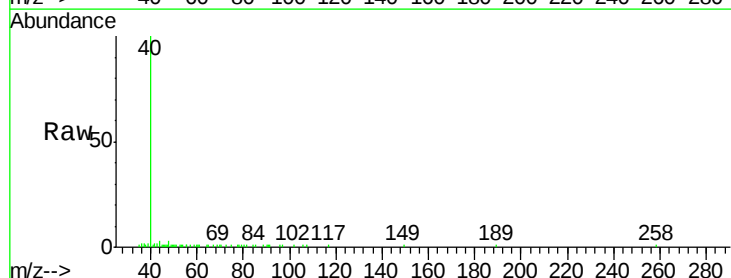
Tgt Ion: 69 Resp: 74

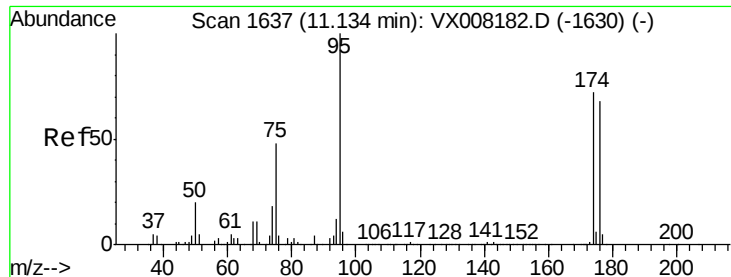
Ion Ratio Lower Upper

69 100

41 455.4 54.2 81.4#

39 401.4 25.0 37.4#





#62

4-Bromofluorobenzene

Concen: 44.629 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008301.D

Acq: 21 Mar 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

BP-TB04-20190313

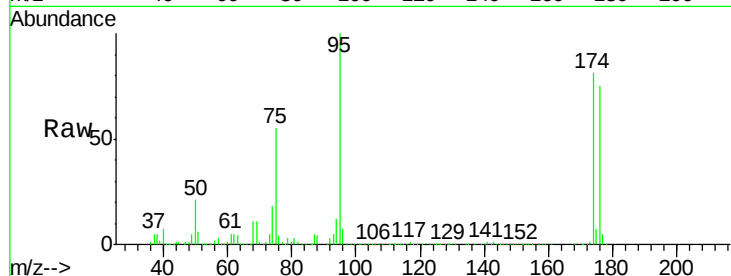
Tot Ion: 95 Resp: 146567

Ion Ratio Lower Upper

95 100

174 84.8 0.0 182.8

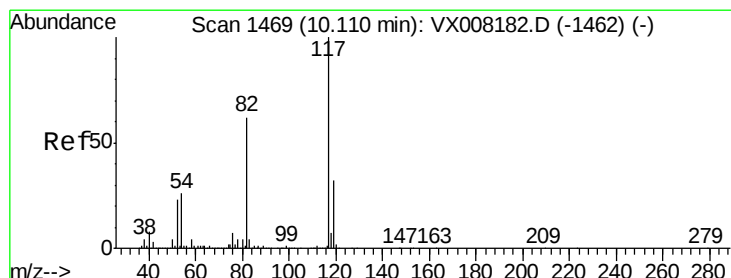
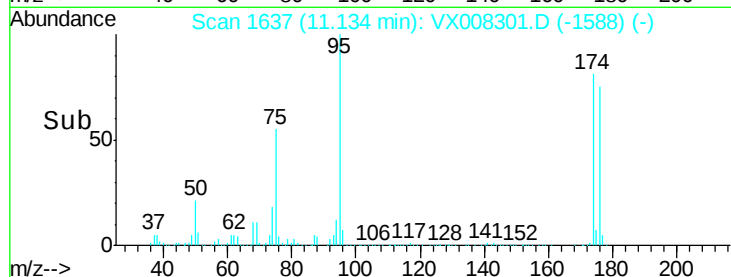
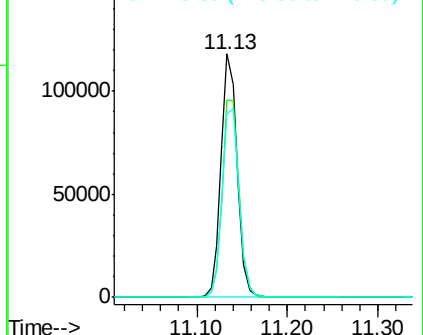
176 81.4 0.0 178.0



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: VX008301.D

Acq: 21 Mar 2019 19:32

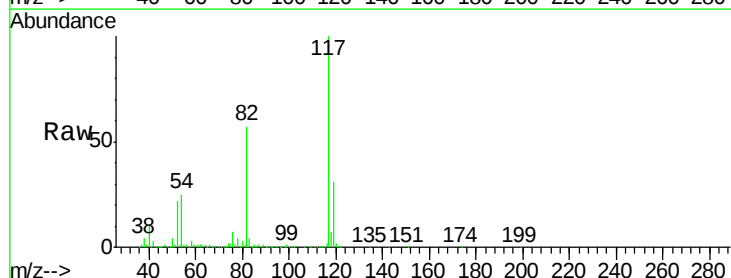
Tgt Ion: 117 Resp: 322795

Ion Ratio Lower Upper

117 100

82 57.2 44.3 66.5

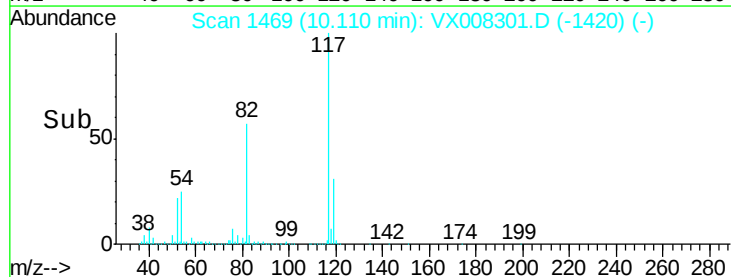
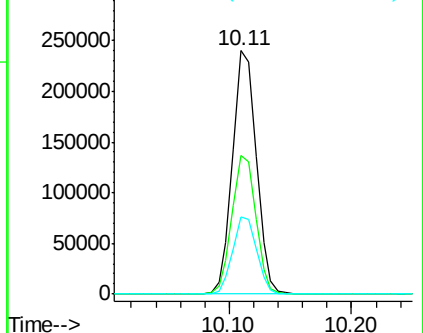
119 31.5 25.3 37.9

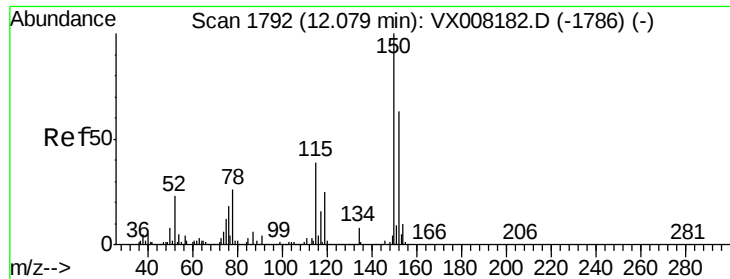


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX008301.D

Acq: 21 Mar 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

BP-TB04-20190313

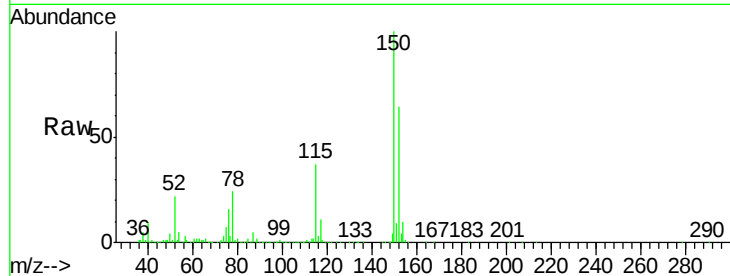
Tot Ion:152 Resp: 136406

Ion Ratio Lower Upper

152 100

115 58.3 38.6 115.7

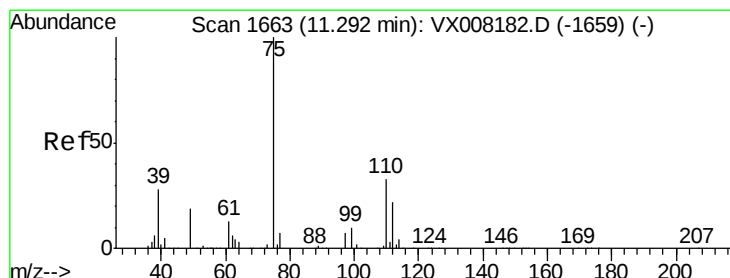
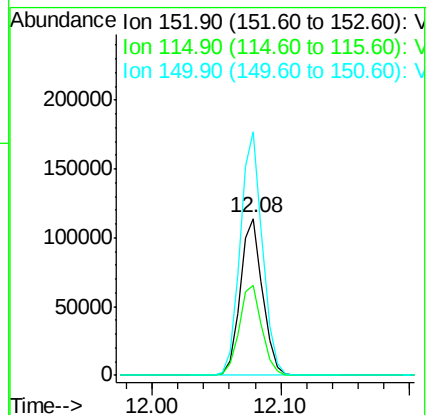
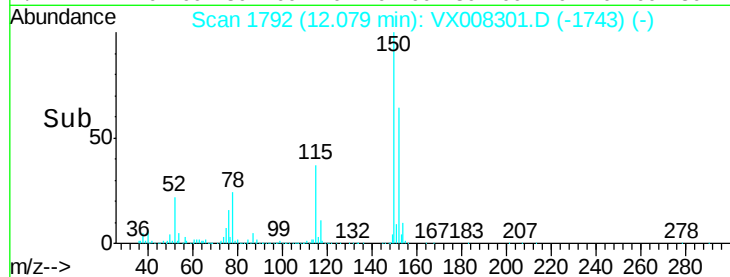
150 154.9 0.0 348.4



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: 20.456 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008301.D

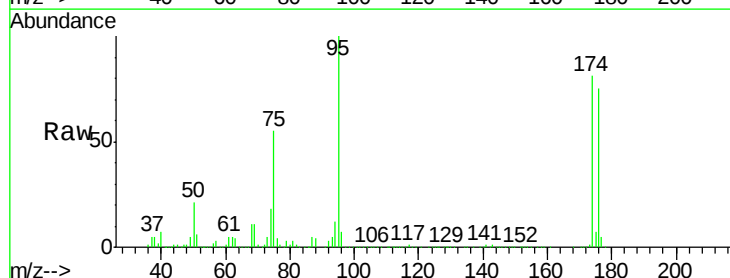
Acq: 21 Mar 2019 19:32

Tgt Ion: 75 Resp: 78479

Ion Ratio Lower Upper

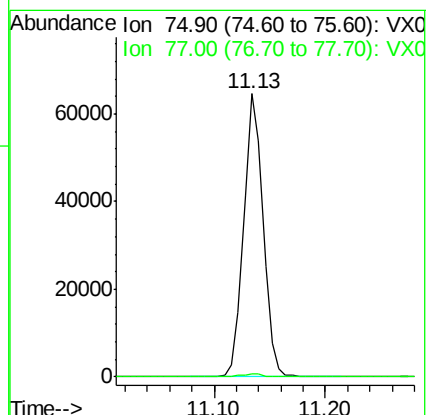
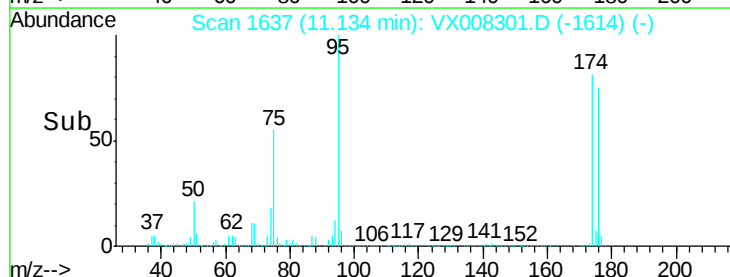
75 100

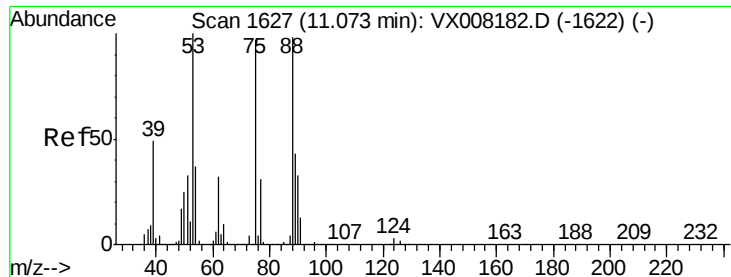
77 1.3 18.9 56.7#



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: 52.085 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008301.D

Acq: 21 Mar 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

BP-TB04-20190313

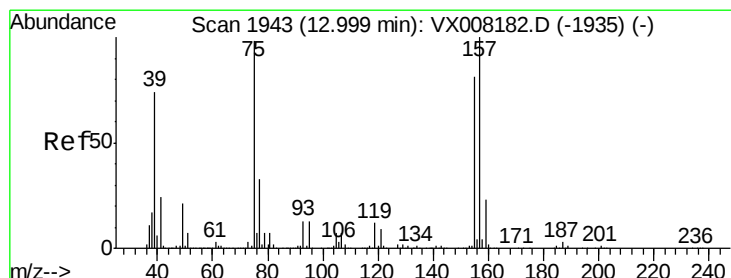
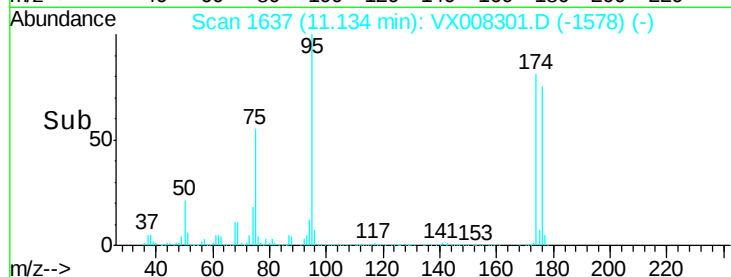
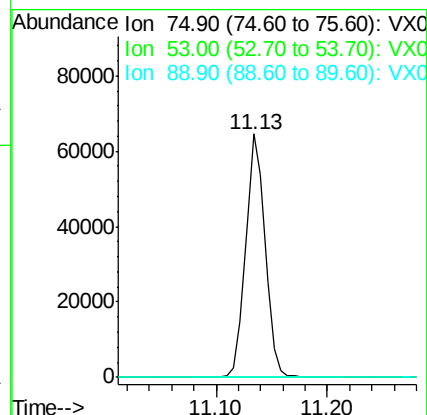
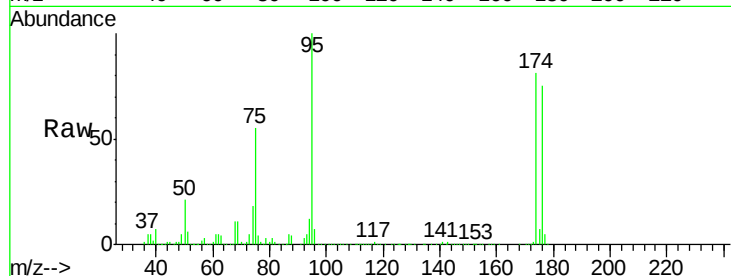
Tot Ion: 75 Resp: 78479

Ion Ratio Lower Upper

75 100

53 0.3 76.1 114.1#

89 0.1 36.3 54.5#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.221 ug/l

RT: 13.01 min Scan# 1945

Delta R.T. 0.01 min

Lab File: VX008301.D

Acq: 21 Mar 2019 19:32

Tgt Ion: 75 Resp: 214

Ion Ratio Lower Upper

75 100

155 18.7 49.7 149.1#

157 0.0 63.8 191.4#

