

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022519\
 Data File : VX007673.D
 Acq On : 25 Feb 2019 15:00
 Operator : JC/SP
 Sample : K1578-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-TB-20190218

Quant Time: Feb 26 02:20:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	373064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	623295	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	584336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	265866	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	221491	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
35) Dibromofluoromethane	5.51	113	202544	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
50) Toluene-d8	8.71	98	748451	46.92	ug/l	0.00
Spiked Amount			Recovery	=	93.84%	
62) 4-Bromofluorobenzene	11.13	95	262937	44.91	ug/l	0.00
Spiked Amount			Recovery	=	89.82%	

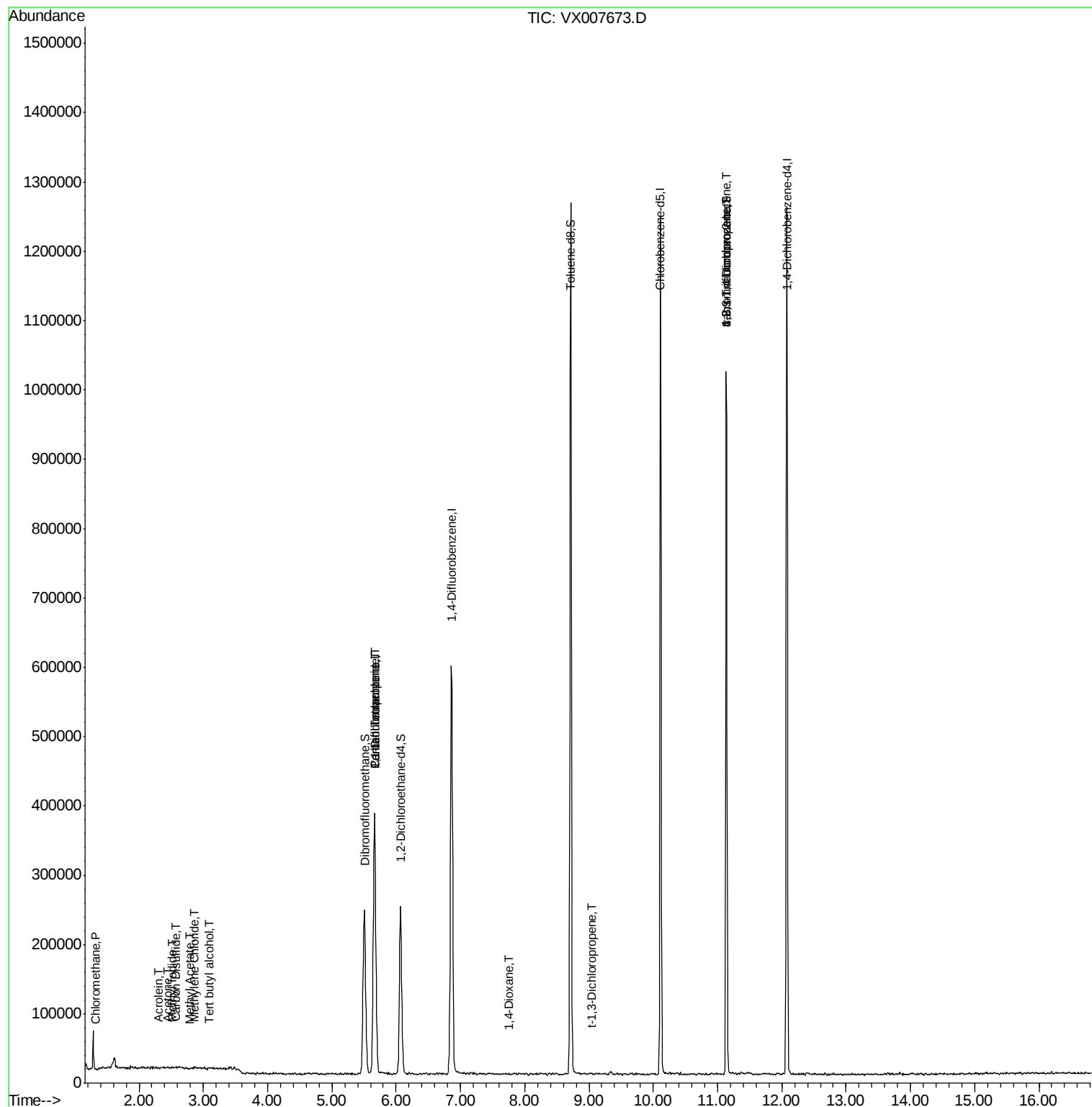
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1109	0.291	ug/l #	76
5) Bromomethane	1.65	94	268	Below Cal	#	52
10) Methyl Iodide	2.52	142	1146	0.254	ug/l #	81
11) Tert butyl alcohol	3.09	59	327	0.373	ug/l #	1
13) Acrolein	2.30	56	341	0.438	ug/l	88
16) Acetone	2.45	43	1273	0.619	ug/l	97
17) Carbon Disulfide	2.57	76	2355	0.259	ug/l #	88
18) Methyl Acetate	2.78	43	1918	0.428	ug/l	99
20) Methylene Chloride	2.87	84	1784	0.470	ug/l #	74
36) 1,1-Dichloropropene	5.67	75	24972	4.456	ug/l #	51
38) Carbon Tetrachloride	5.66	117	35235	6.260	ug/l #	16
49) 1,4-Dioxane	7.74	88	148	1.365	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	240	2.836	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	127385	22.478	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	127385	59.619	ug/l #	9

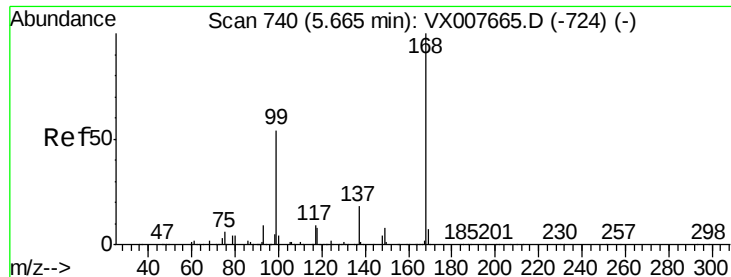
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 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: VX007673.D

Acq: 25 Feb 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

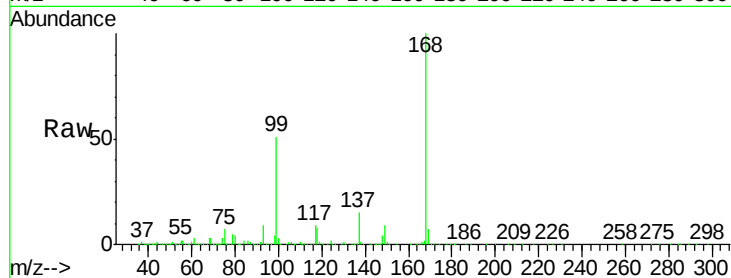
BP-VPB201-TB-20190218

Tot Ion:168 Resp: 373064

Ion Ratio Lower Upper

168 100

99 50.9 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

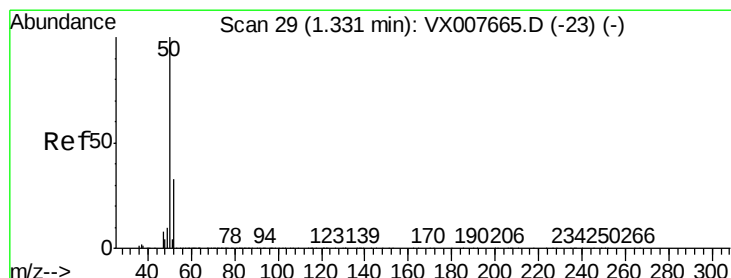
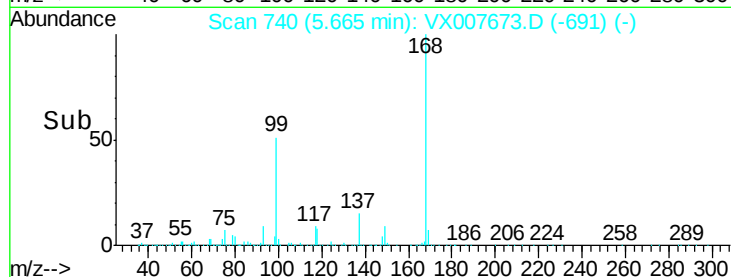
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.291 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007673.D

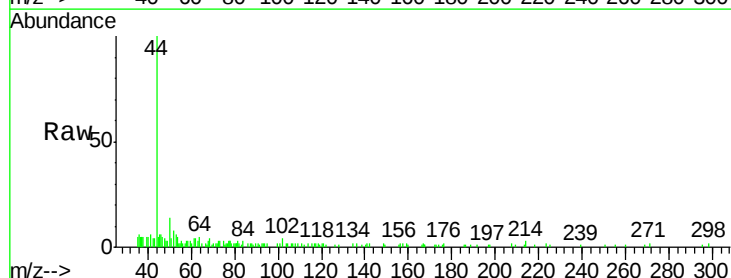
Acq: 25 Feb 2019 15:00

Tgt Ion: 50 Resp: 1109

Ion Ratio Lower Upper

50 100

52 18.9 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

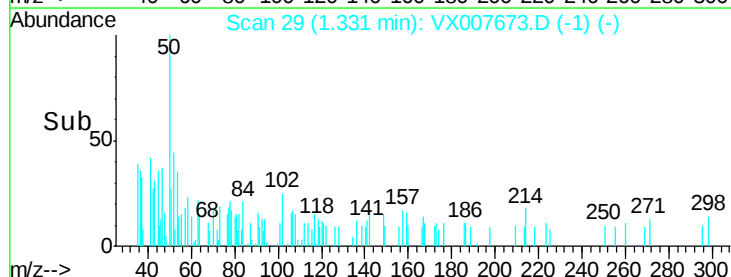
600

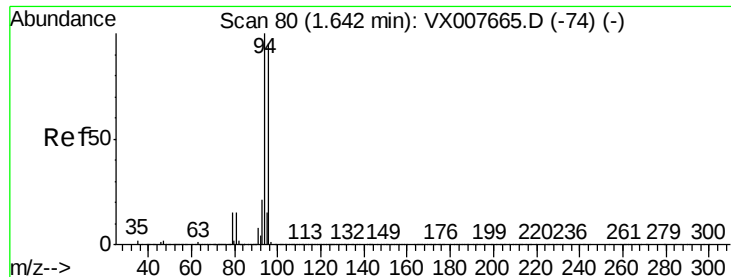
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007673.D

Acq: 25 Feb 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

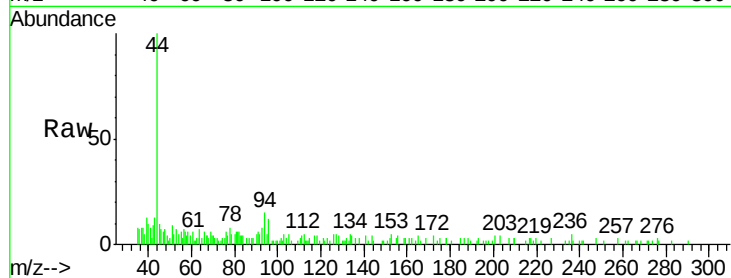
BP-VPB201-TB-20190218

Tot Ion: 94 Resp: 268

Ion Ratio Lower Upper

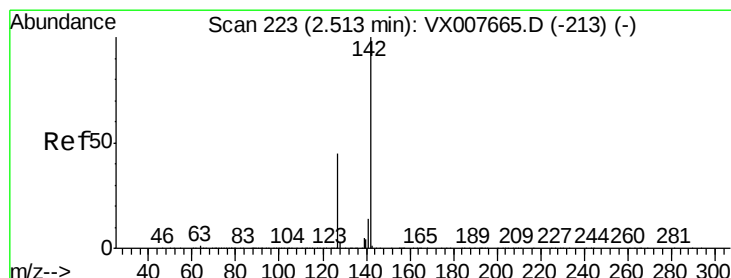
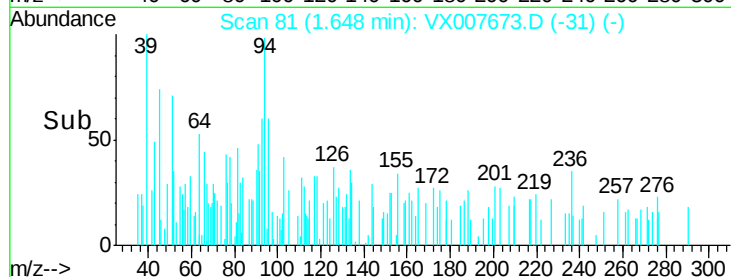
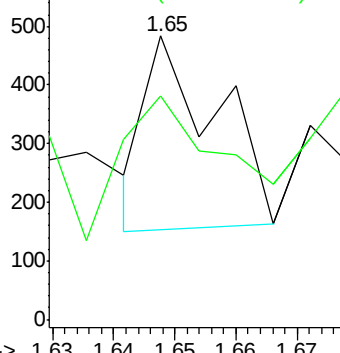
94 100

96 46.7 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.254 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX007673.D

Acq: 25 Feb 2019 15:00

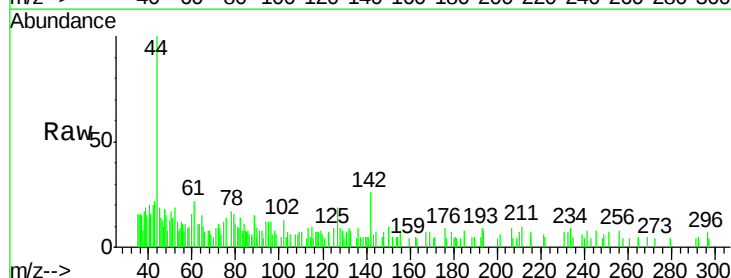
Tgt Ion: 142 Resp: 1146

Ion Ratio Lower Upper

142 100

127 53.6 33.7 50.5#

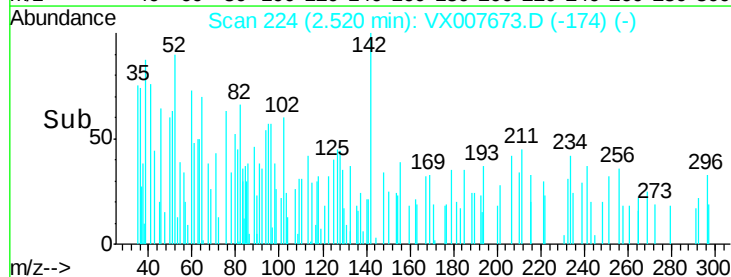
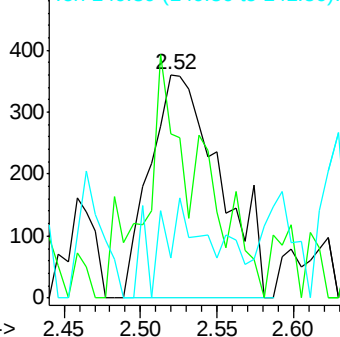
141 23.3 11.3 16.9#

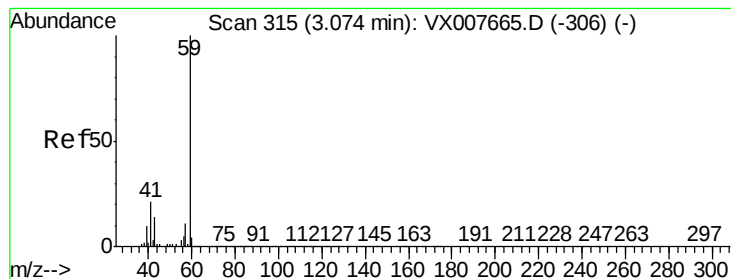


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



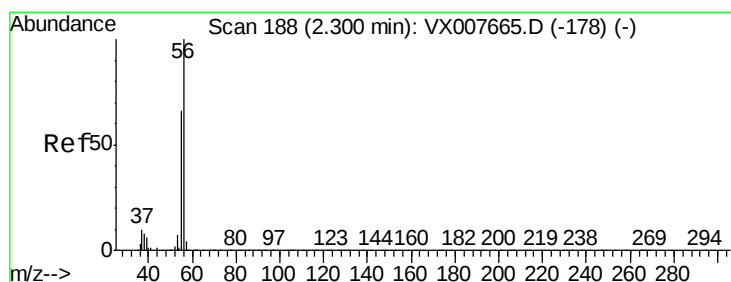
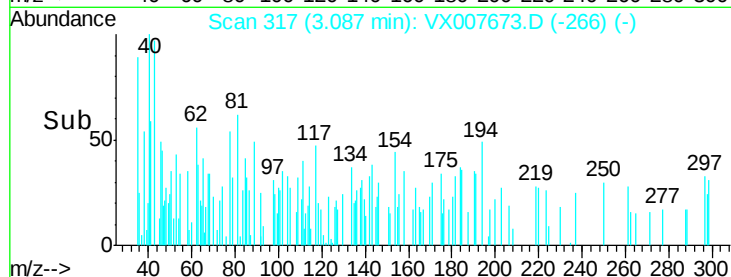
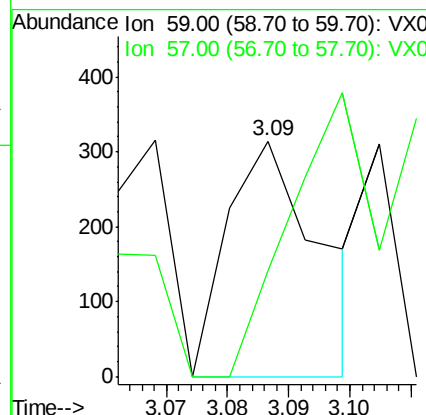
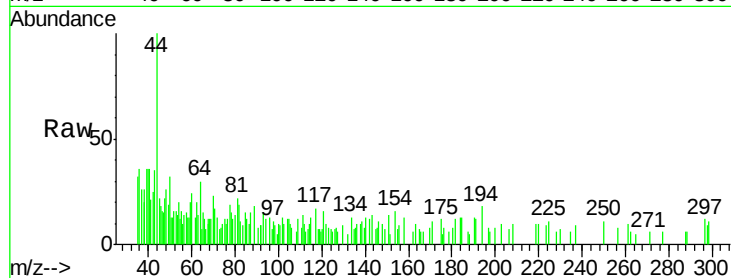


#11

Tert butyl alcohol
 Concen: 0.373 ug/l
 RT: 3.09 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VX007673.D
 Acq: 25 Feb 2019 15:00

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-TB-20190218

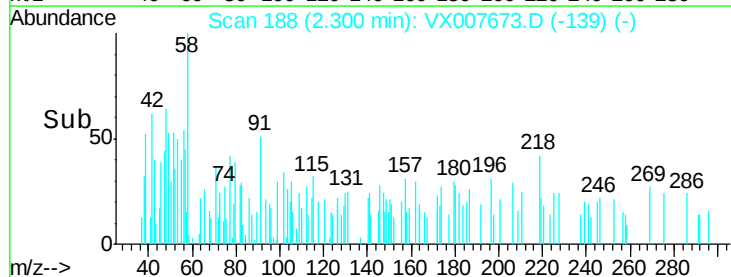
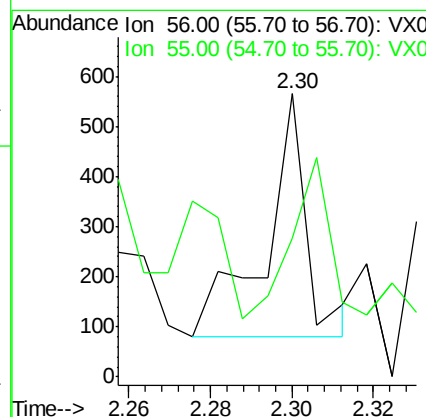
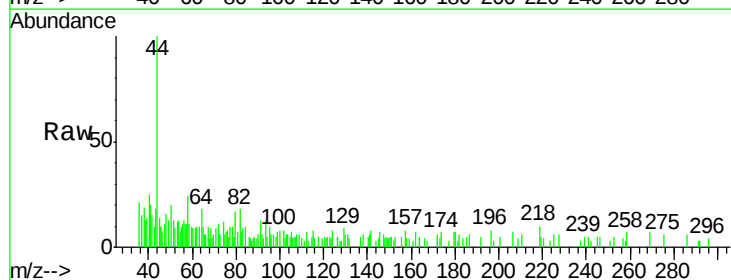
Tot Ion: 59 Resp: 327
 Ion Ratio Lower Upper
 59 100
 57 161.2 8.1 12.1#

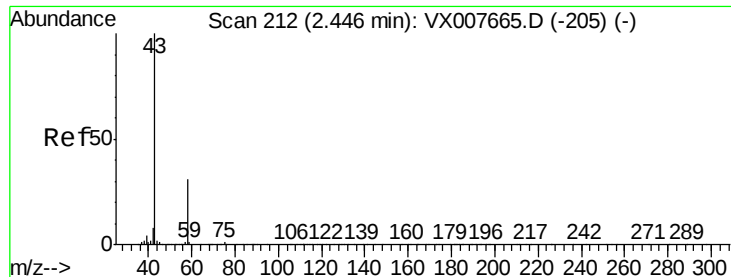


#13

Acrolein
 Concen: 0.438 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VX007673.D
 Acq: 25 Feb 2019 15:00

Tgt Ion: 56 Resp: 341
 Ion Ratio Lower Upper
 56 100
 55 61.6 56.9 85.3





#16

Acetone

Concen: 0.619 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007673.D

Acq: 25 Feb 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

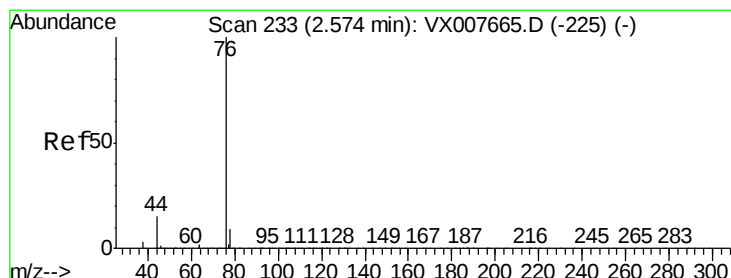
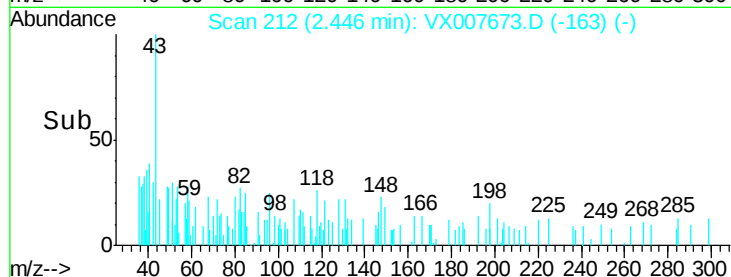
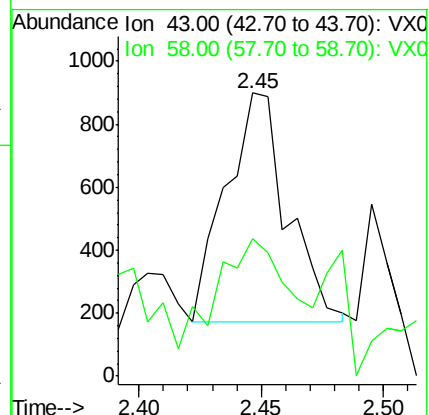
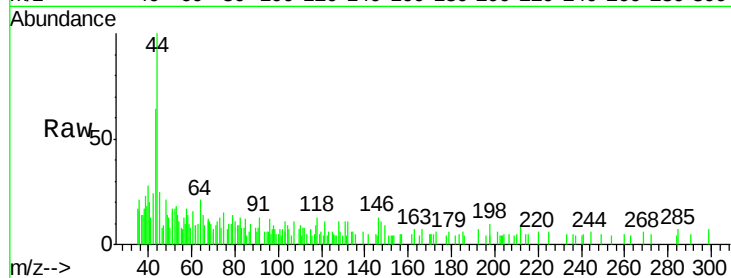
BP-VPB201-TB-20190218

Tot Ion: 43 Resp: 1273

Ion Ratio Lower Upper

43 100

58 29.3 24.9 37.3



#17

Carbon Disulfide

Concen: 0.259 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007673.D

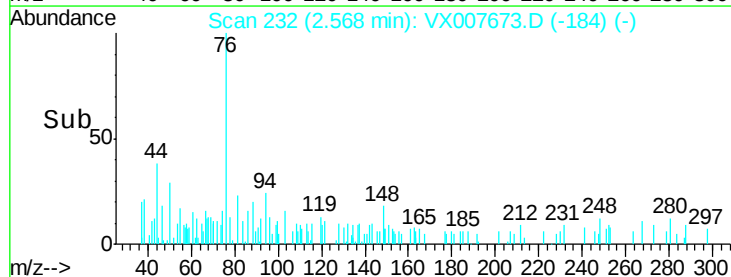
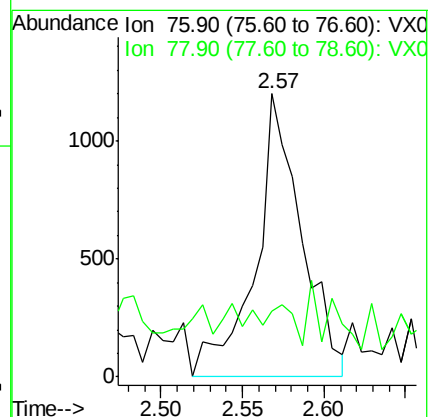
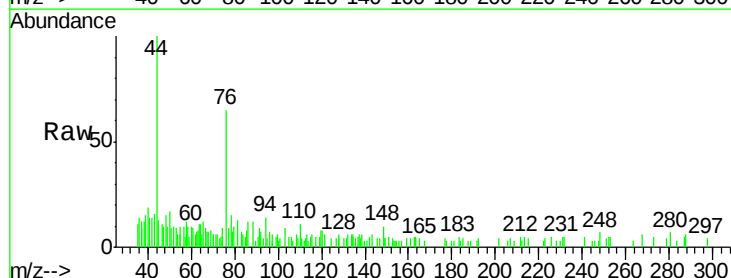
Acq: 25 Feb 2019 15:00

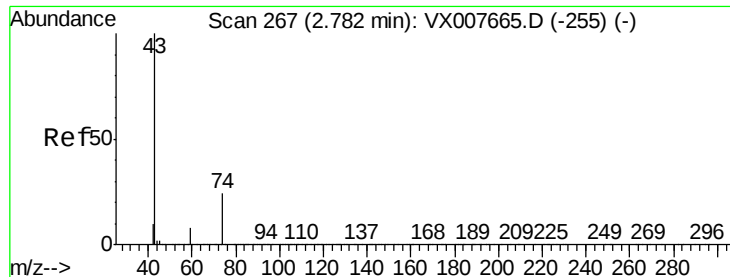
Tgt Ion: 76 Resp: 2355

Ion Ratio Lower Upper

76 100

78 4.6 7.1 10.7#

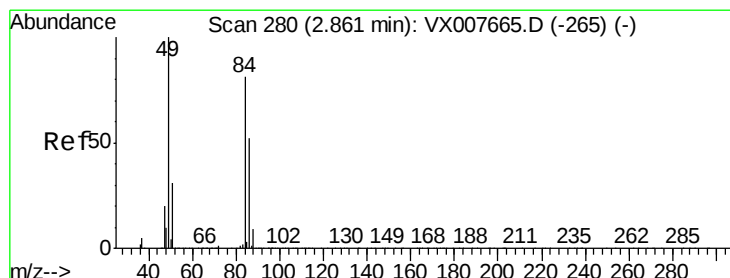
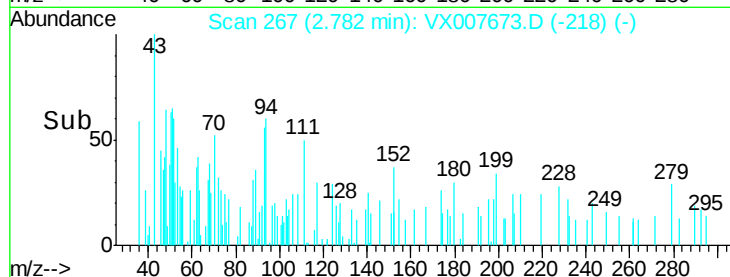
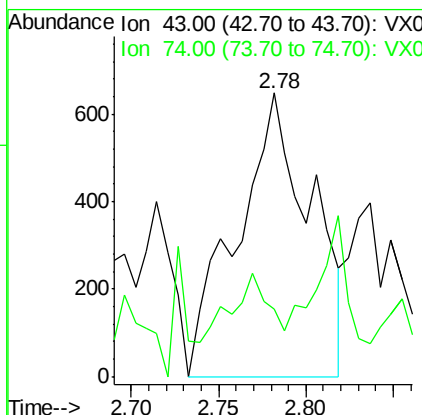
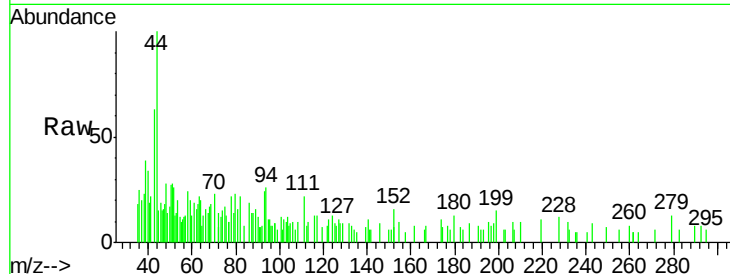




#18
Methyl Acetate
Concen: 0.428 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007673.D
Acq: 25 Feb 2019 15:00

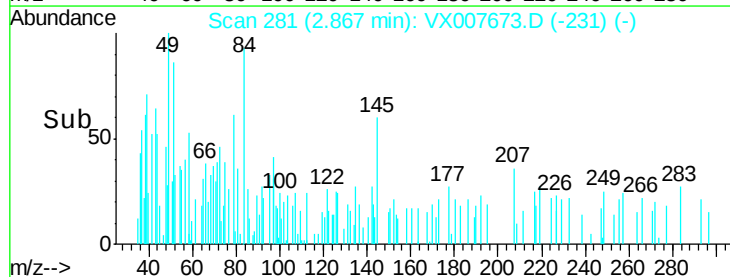
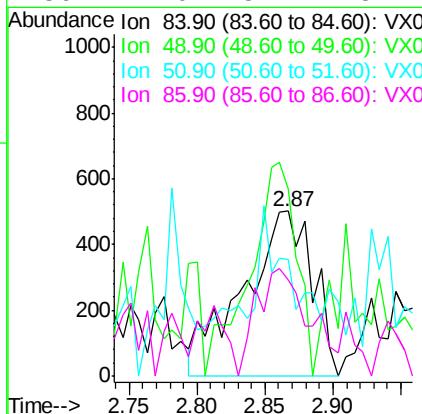
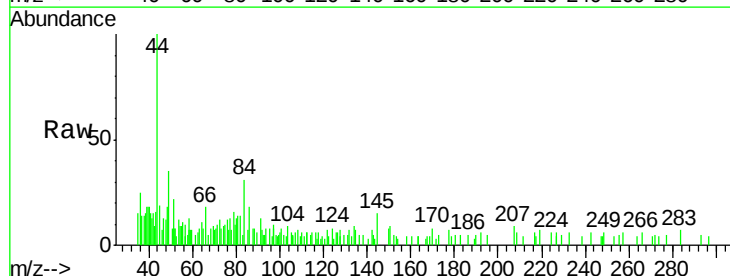
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-TB-20190218

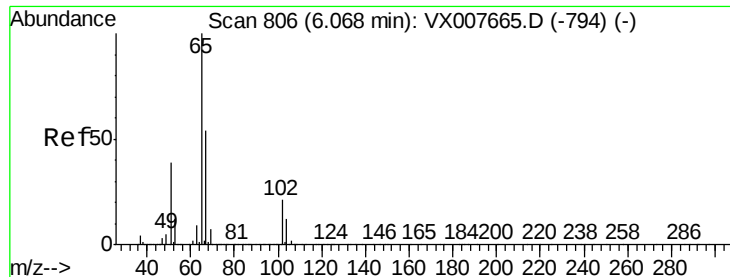
Tot Ion: 43 Resp: 1918
Ion Ratio Lower Upper
43 100
74 23.8 19.4 29.2



#20
Methylene Chloride
Concen: 0.470 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX007673.D
Acq: 25 Feb 2019 15:00

Tgt Ion: 84 Resp: 1784
Ion Ratio Lower Upper
84 100
49 85.1 94.8 142.2#
51 29.5 29.8 44.8#
86 47.0 54.1 81.1#





#33

1,2-Dichloroethane-d4

Concen: 47.931 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007673.D

Acq: 25 Feb 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

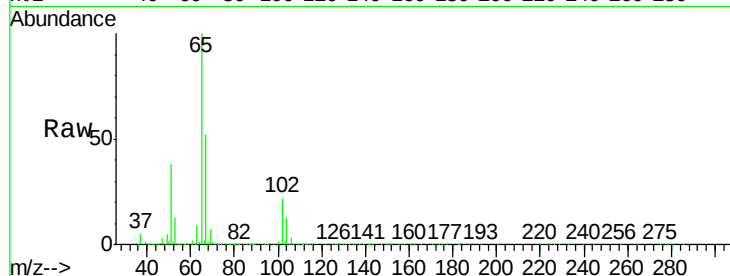
BP-VPB201-TB-20190218

Tot Ion: 65 Resp: 221491

Ion Ratio Lower Upper

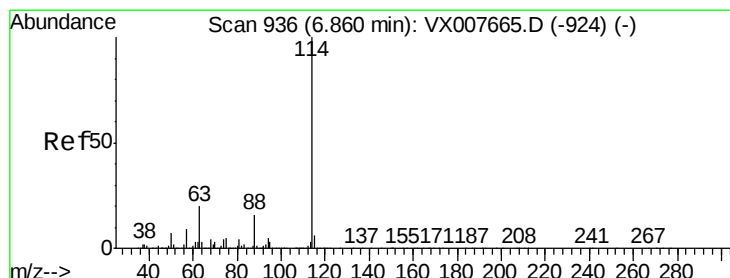
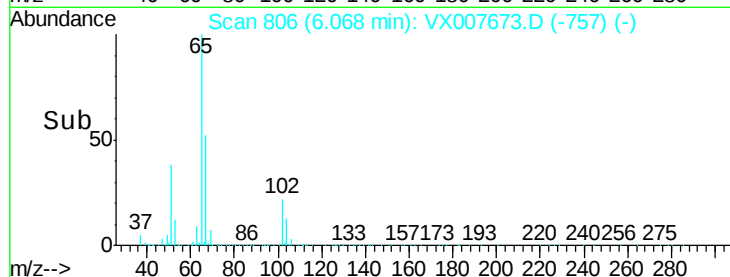
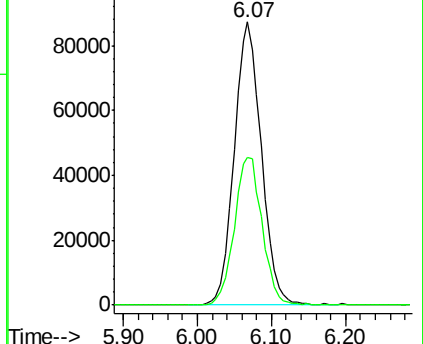
65 100

67 53.6 0.0 108.8



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: VX007673.D

Acq: 25 Feb 2019 15:00

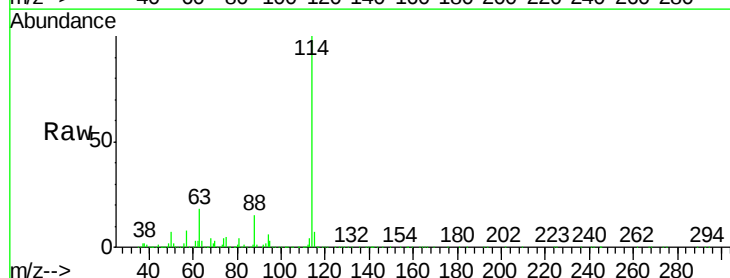
Tgt Ion: 114 Resp: 623295

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

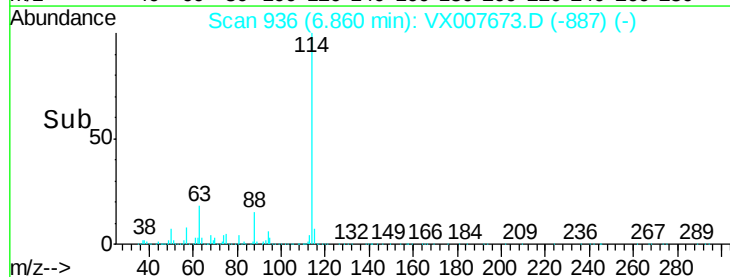
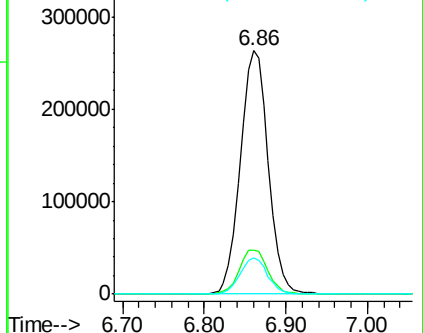
88 15.1 0.0 29.6

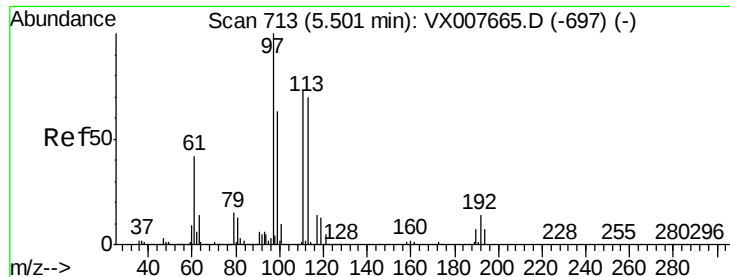


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.612 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007673.D

Acq: 25 Feb 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-TB-20190218

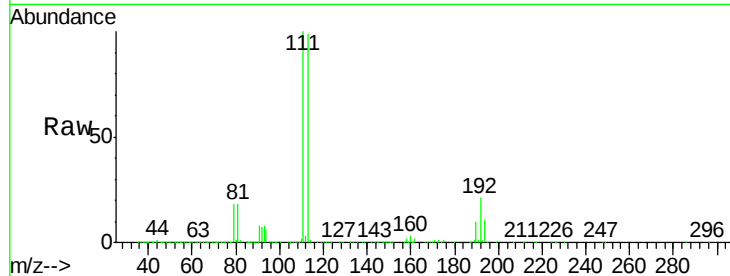
Tot Ion:113 Resp: 202544

Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.8

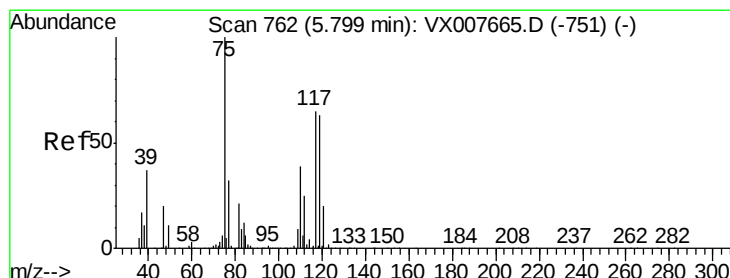
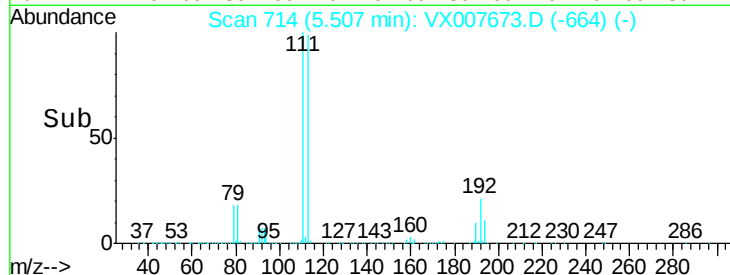
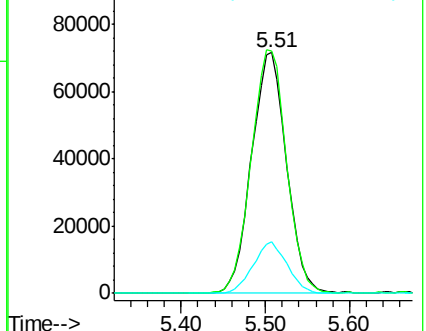
192 21.0 18.5 27.7



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: 4.456 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007673.D

Acq: 25 Feb 2019 15:00

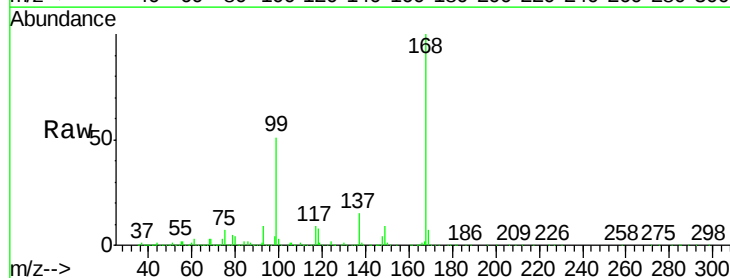
Tgt Ion: 75 Resp: 24972

Ion Ratio Lower Upper

75 100

110 12.4 20.0 59.9#

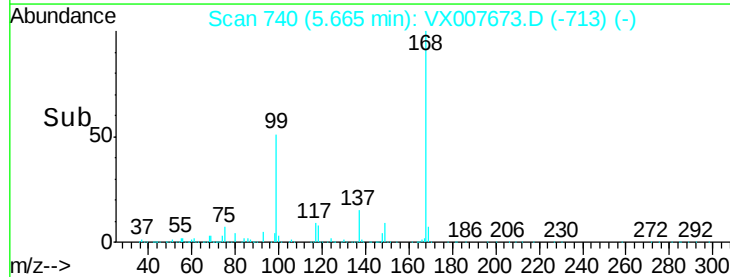
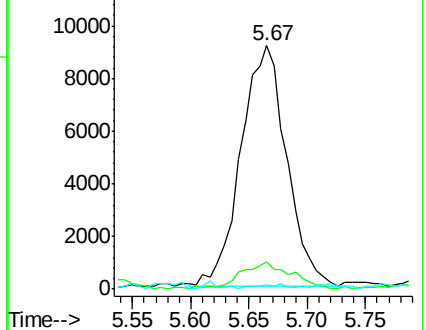
77 1.4 24.7 37.1#

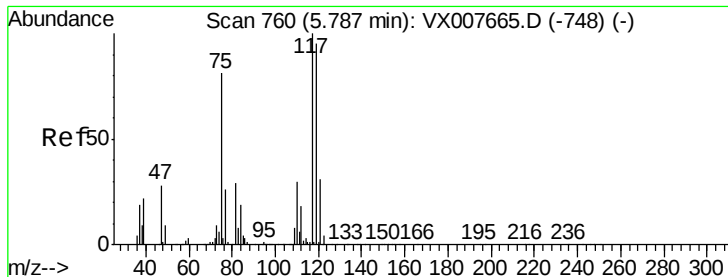


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.260 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX007673.D

Acq: 25 Feb 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-TB-20190218

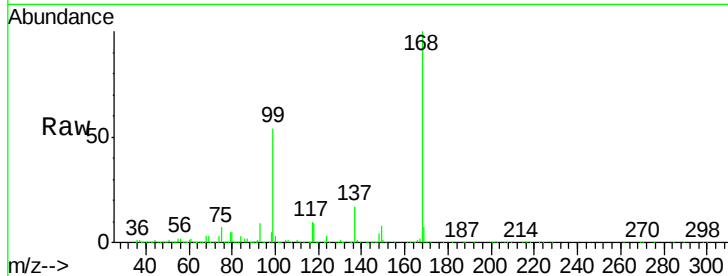
Tot Ion:117 Resp: 35235

Ion Ratio Lower Upper

117 100

119 4.4 75.3 112.9#

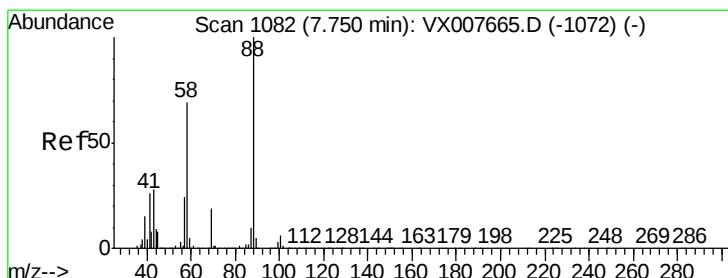
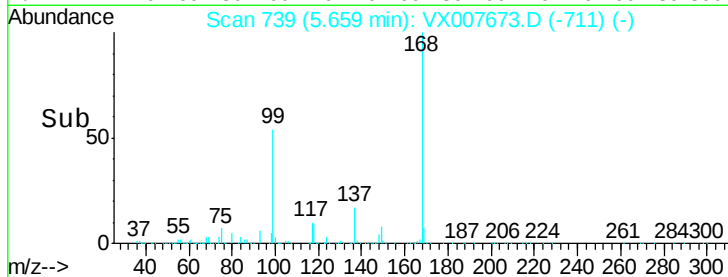
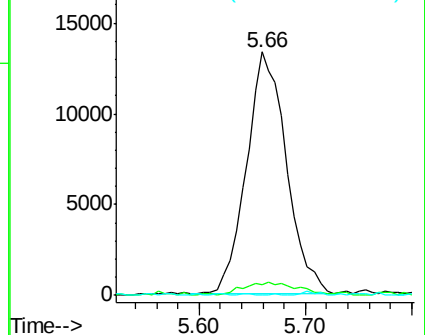
121 0.0 25.0 37.4#



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: 1.365 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX007673.D

Acq: 25 Feb 2019 15:00

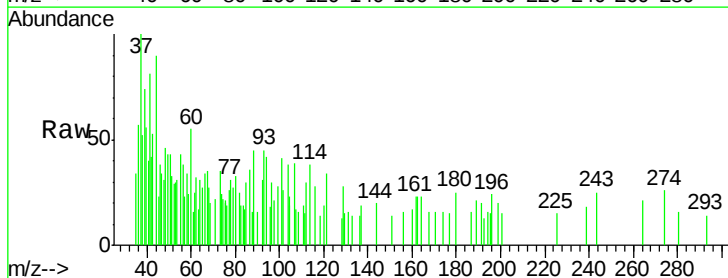
Tgt Ion: 88 Resp: 148

Ion Ratio Lower Upper

88 100

43 112.2 24.2 36.4#

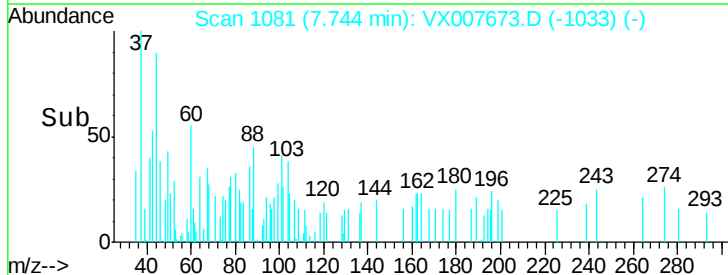
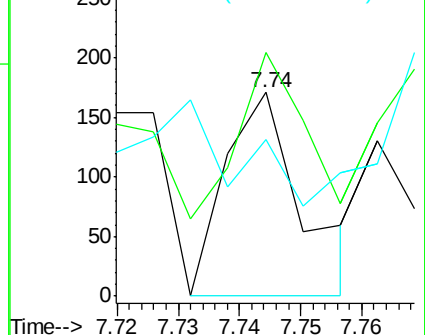
58 0.0 53.0 79.4#

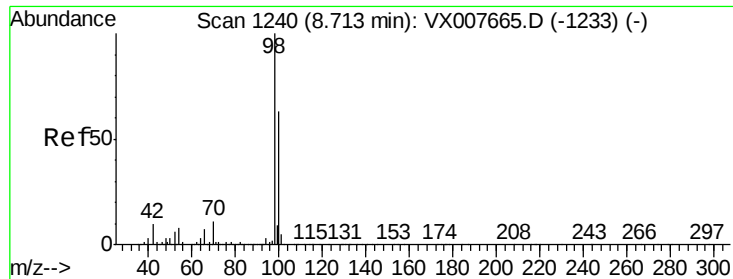


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

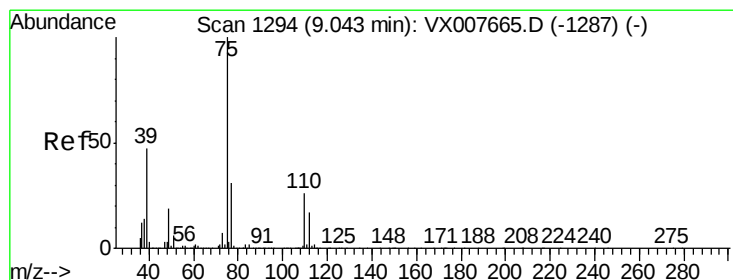
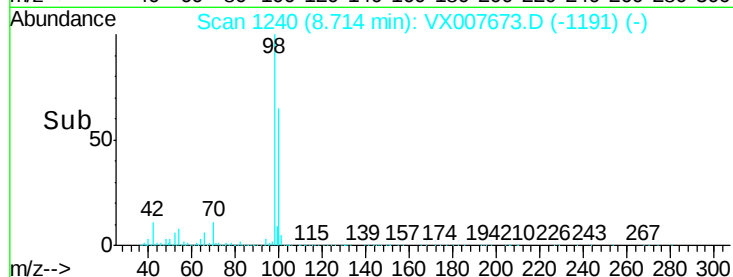
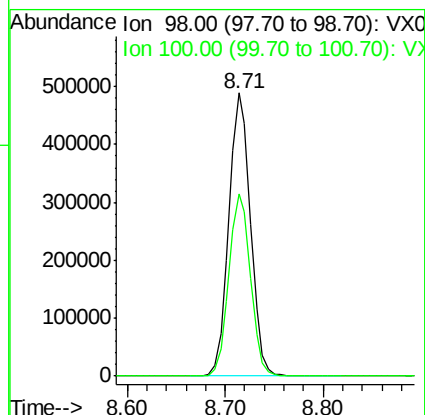
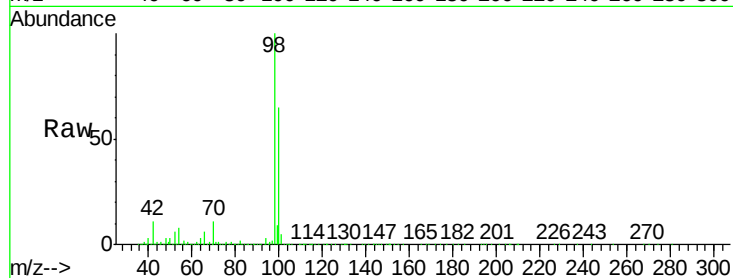




#50
Toluene-d8
Concen: 46.922 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007673.D
Acq: 25 Feb 2019 15:00

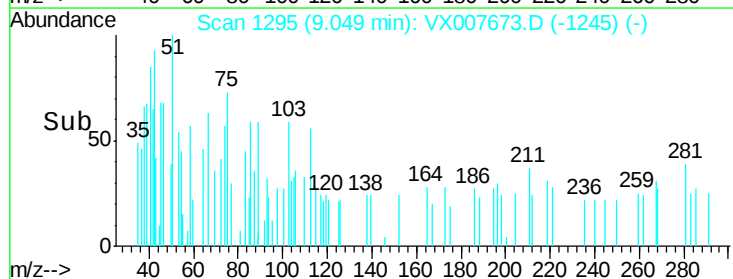
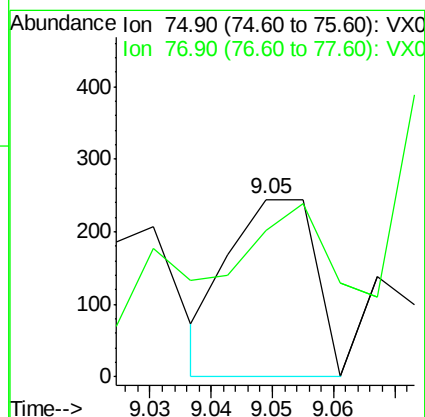
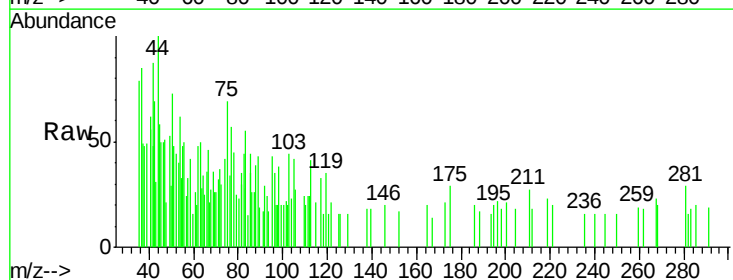
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-TB-20190218

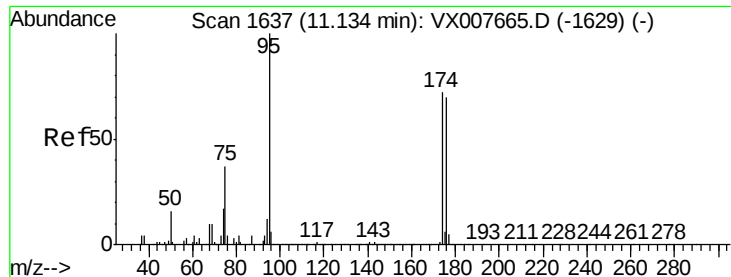
Tot Ion: 98 Resp: 748451
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4



#53
t-1,3-Dichloropropene
Concen: 2.836 ug/l
RT: 9.05 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX007673.D
Acq: 25 Feb 2019 15:00

Tgt Ion: 75 Resp: 240
Ion Ratio Lower Upper
75 100
77 29.5 25.2 37.8





#62

4-Bromofluorobenzene

Concen: 44.911 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007673.D

Acq: 25 Feb 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-TB-20190218

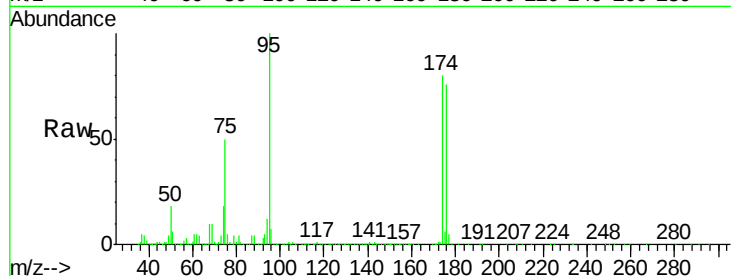
Tot Ion: 95 Resp: 262937

Ion Ratio Lower Upper

95 100

174 85.2 0.0 189.2

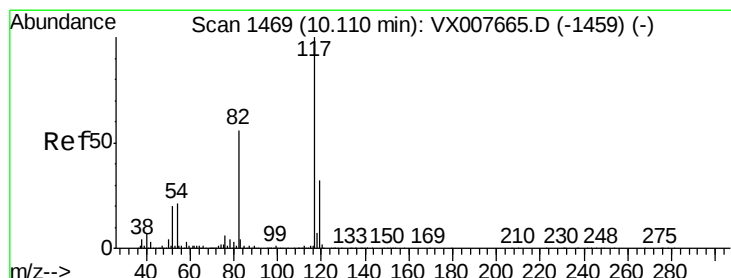
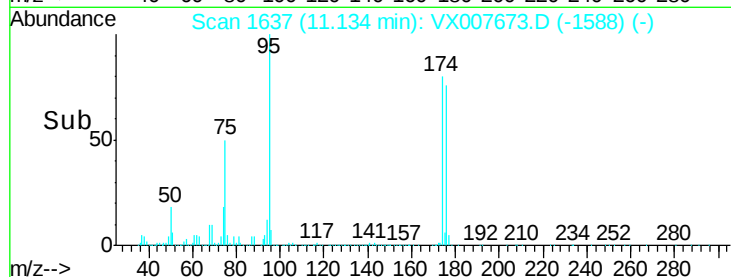
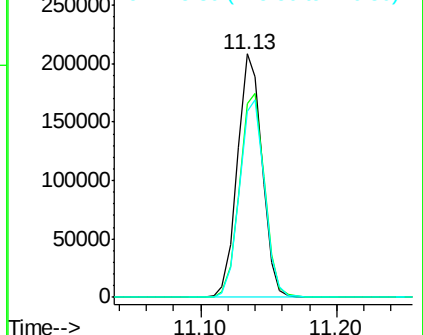
176 82.3 0.0 186.2



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: VX007673.D

Acq: 25 Feb 2019 15:00

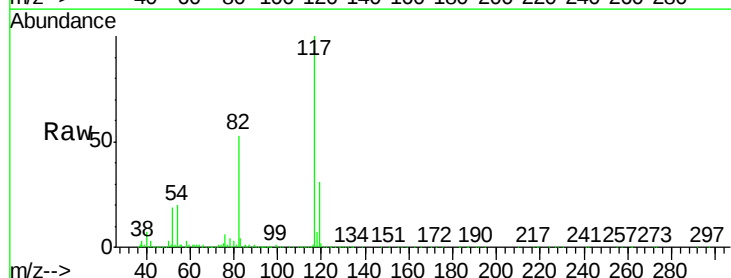
Tgt Ion: 117 Resp: 584336

Ion Ratio Lower Upper

117 100

82 53.4 42.1 63.1

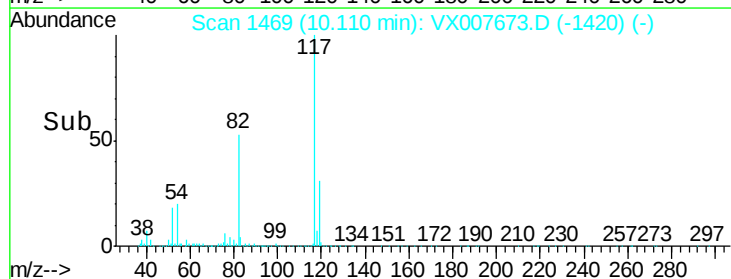
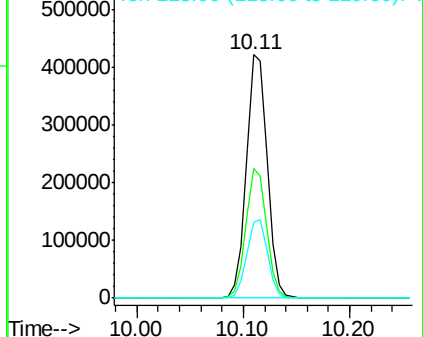
119 31.3 26.5 39.7

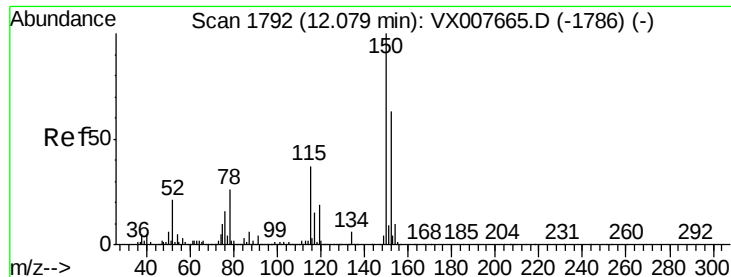


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX007673.D

Acq: 25 Feb 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-TB-20190218

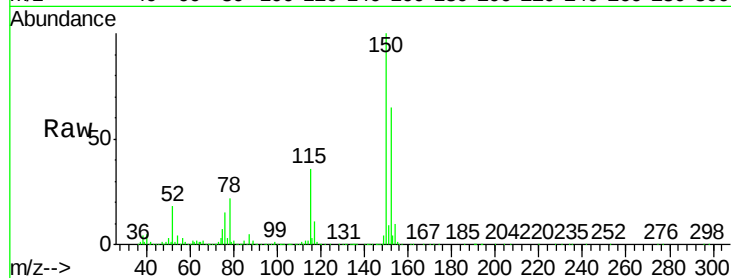
Tot Ion:152 Resp: 265866

Ion Ratio Lower Upper

152 100

115 57.1 38.0 114.0

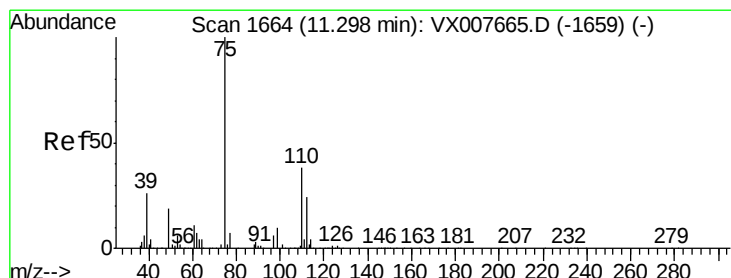
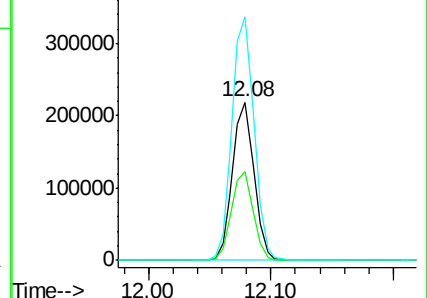
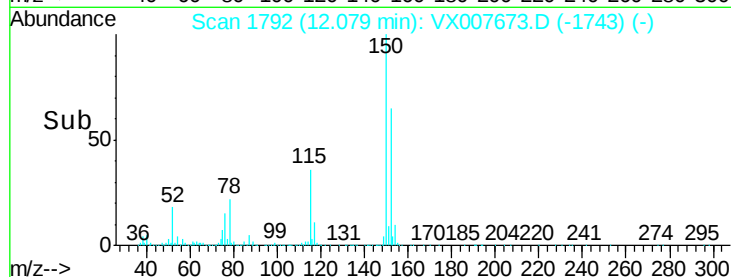
150 157.6 0.0 346.4



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: 22.478 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007673.D

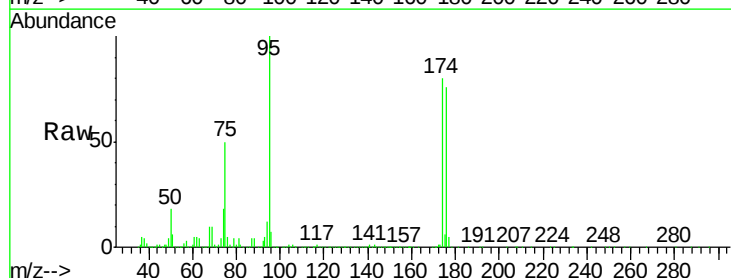
Acq: 25 Feb 2019 15:00

Tgt Ion: 75 Resp: 127385

Ion Ratio Lower Upper

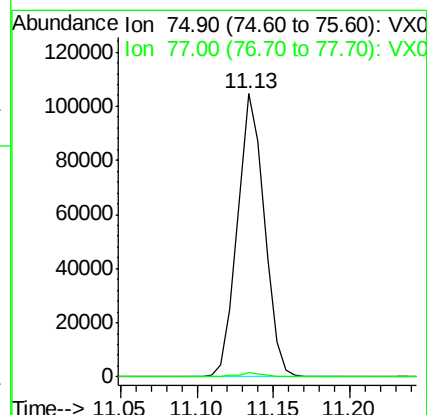
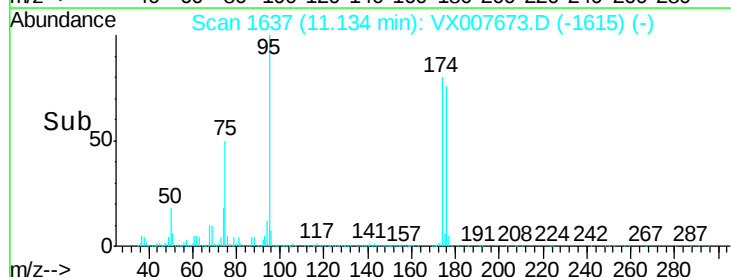
75 100

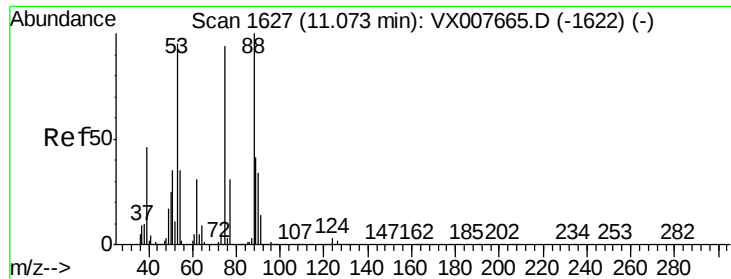
77 1.6 23.0 69.0#



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: 59.619 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007673.D

Acq: 25 Feb 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-TB-20190218

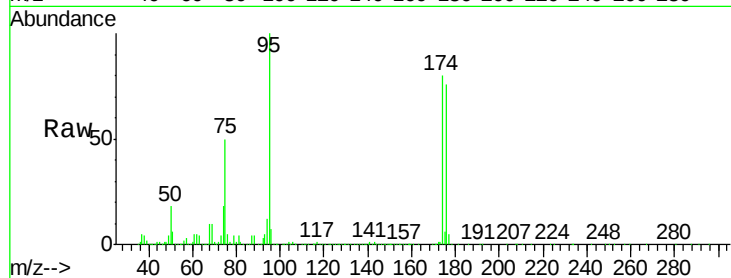
Tot Ion: 75 Resp: 127385

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.1 41.4 62.0#



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

