

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022519\
 Data File : VX007675.D
 Acq On : 25 Feb 2019 15:53
 Operator : JC/SP
 Sample : K1578-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-150-152

Quant Time: Feb 26 02:21:35 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	366120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	621135	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	579804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	264487	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	219234	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
35) Dibromofluoromethane	5.51	113	202294	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
50) Toluene-d8	8.71	98	746622	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	
62) 4-Bromofluorobenzene	11.13	95	260766	44.70	ug/l	0.00
Spiked Amount			Recovery	=	89.40%	

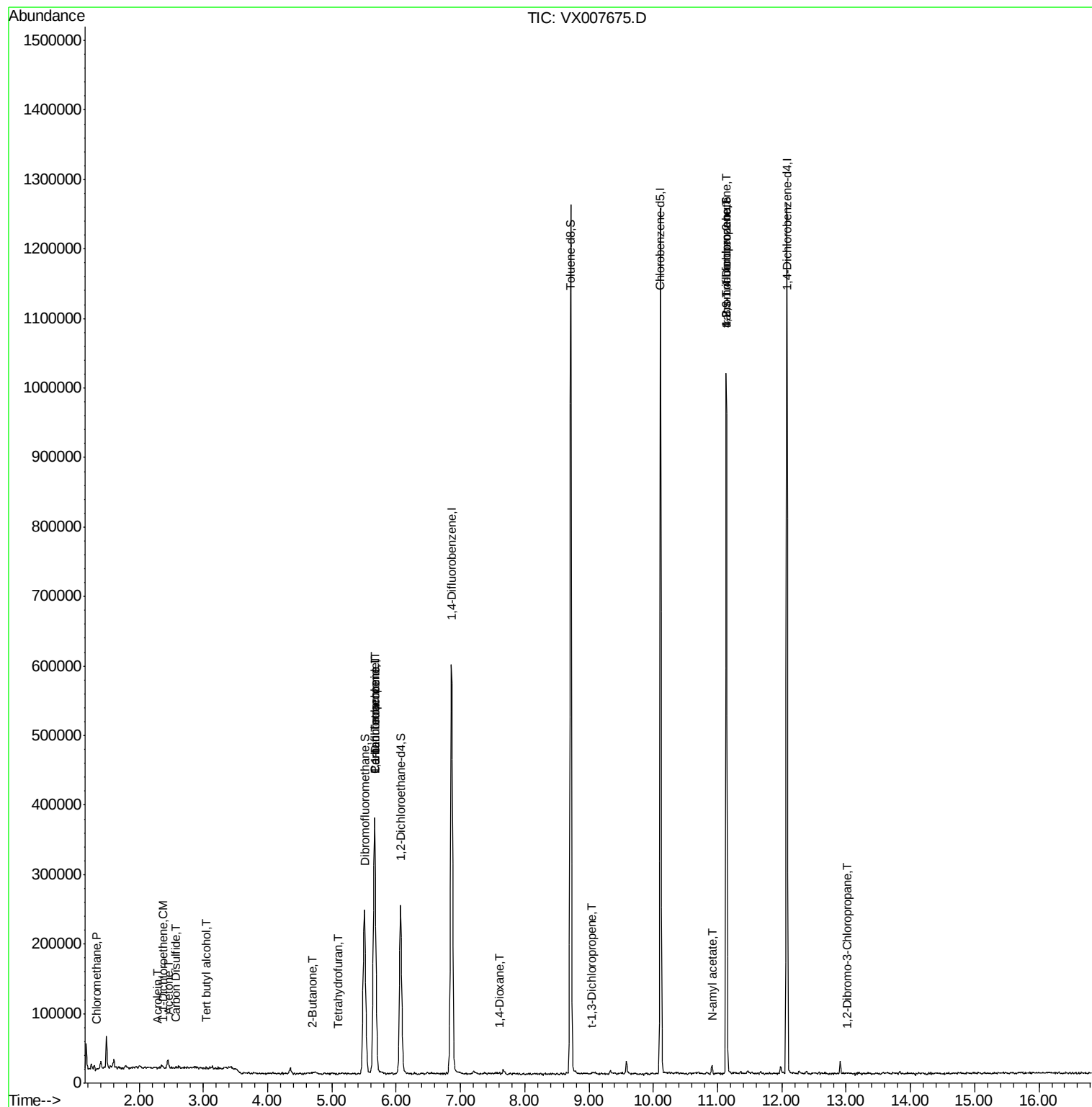
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	936	0.250	ug/l #	66
5) Bromomethane	1.64	94	359	Below Cal	#	79
11) Tert butyl alcohol	3.05	59	1105	1.284	ug/l #	64
12) 1,1-Dichloroethene	2.38	96	770	0.240	ug/l #	19
13) Acrolein	2.29	56	636	0.832	ug/l #	58
16) Acetone	2.45	43	13670	6.778	ug/l	90
17) Carbon Disulfide	2.57	76	2124	0.238	ug/l #	91
25) 2-Butanone	4.70	43	4236	1.379	ug/l	90
29) Tetrahydrofuran	5.10	42	407	0.201	ug/l	88
36) 1,1-Dichloropropene	5.66	75	25713	4.605	ug/l #	50
38) Carbon Tetrachloride	5.67	117	34124	6.083	ug/l #	17
49) 1,4-Dioxane	7.61	88	352	3.257	ug/l	92
53) t-1,3-Dichloropropene	9.04	75	762	2.910	ug/l #	69
74) N-amyl acetate	10.91	43	1782	0.217	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	129218	22.920	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	129218	60.733	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	13.01	75	433	0.304	ug/l #	2

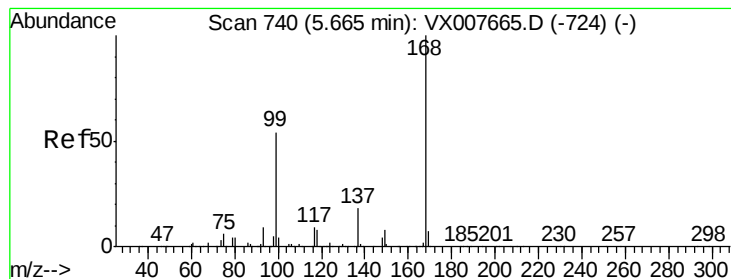
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 2019
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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: VX007675.D

Acq: 25 Feb 2019 15:53

Instrument :

MSVOA_X

ClientSampleId :

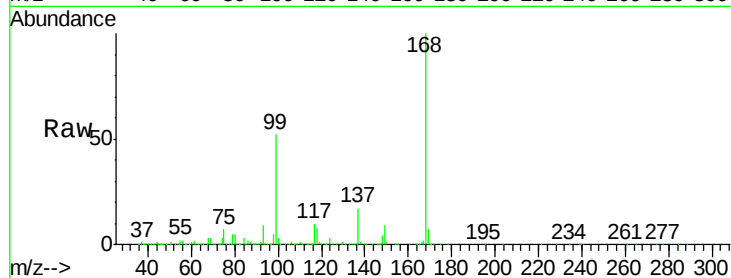
BP-VPB201-GW-150-152

Tot Ion:168 Resp: 366120

Ion Ratio Lower Upper

168 100

99 51.8 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

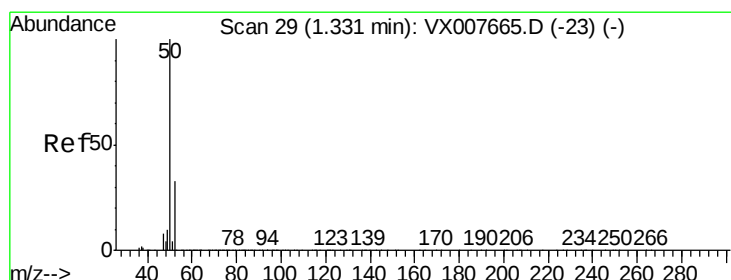
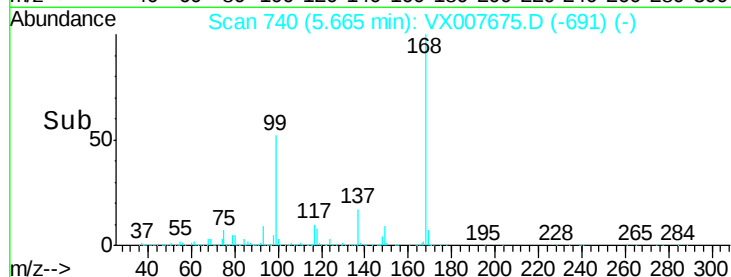
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.250 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007675.D

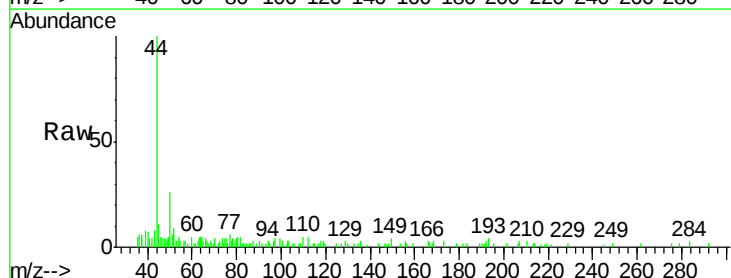
Acq: 25 Feb 2019 15:53

Tgt Ion: 50 Resp: 936

Ion Ratio Lower Upper

50 100

52 13.7 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

1000

800

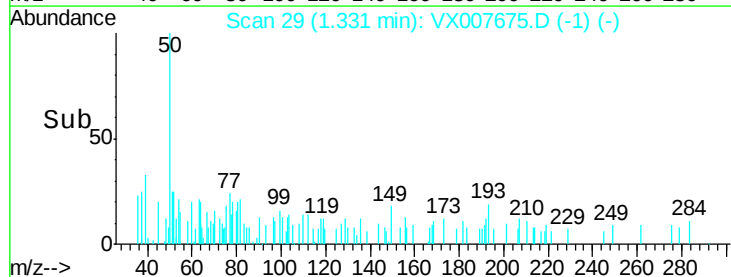
600

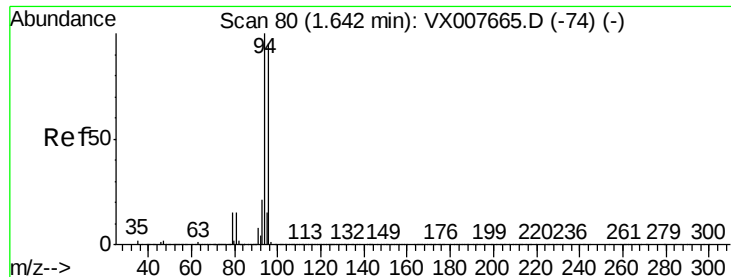
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007675.D

Acq: 25 Feb 2019 15:53

Instrument :

MSVOA_X

ClientSampleId :

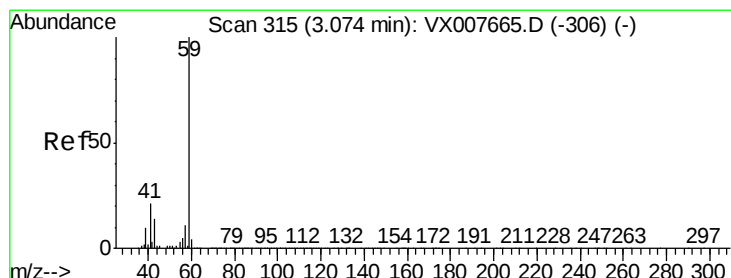
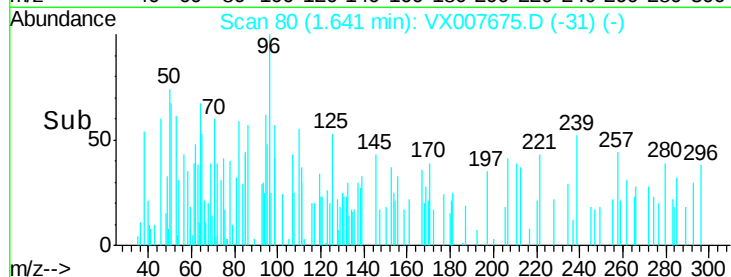
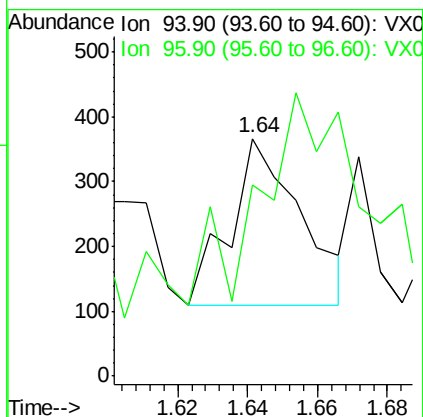
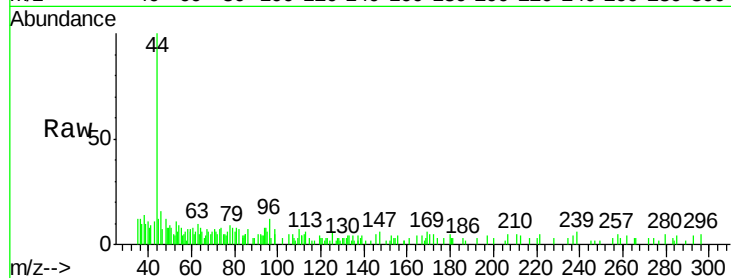
BP-VPB201-GW-150-152

Tot Ion: 94 Resp: 359

Ion Ratio Lower Upper

94 100

96 72.8 73.9 110.9#



#11

Tert butyl alcohol

Concen: 1.284 ug/l

RT: 3.05 min Scan# 311

Delta R.T. -0.02 min

Lab File: VX007675.D

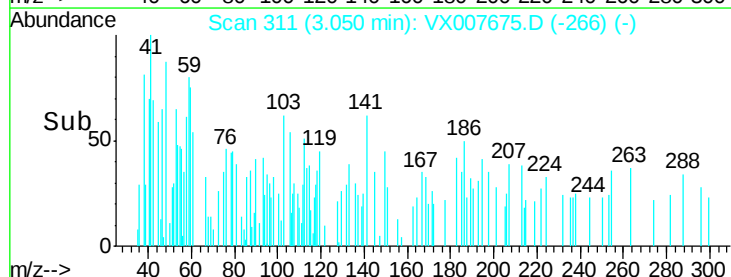
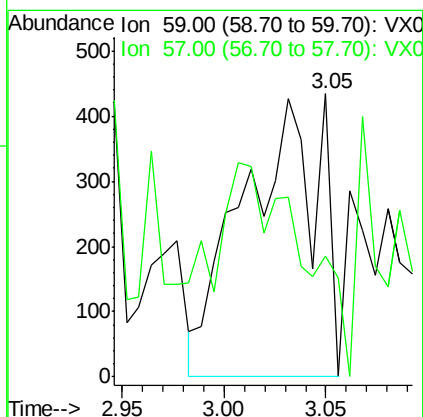
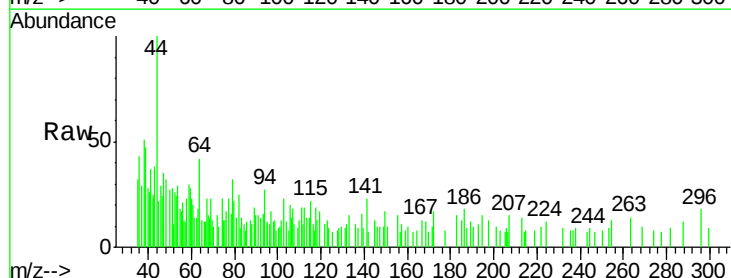
Acq: 25 Feb 2019 15:53

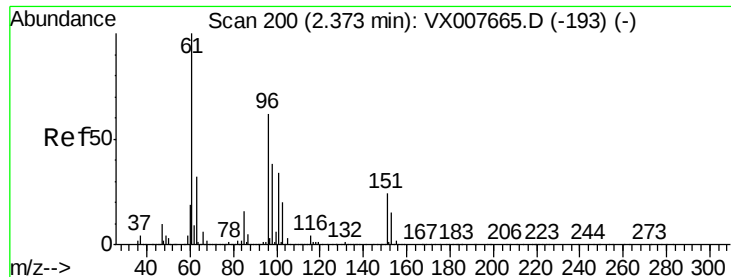
Tgt Ion: 59 Resp: 1105

Ion Ratio Lower Upper

59 100

57 23.4 8.1 12.1#





#12

1,1-Dichloroethene

Concen: 0.240 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX007675.D

Acq: 25 Feb 2019 15:53

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-150-152

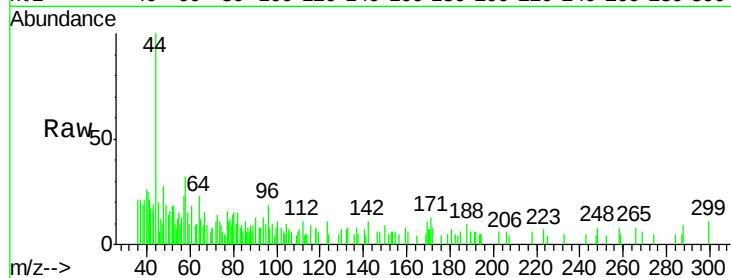
Tot Ion: 96 Resp: 770

Ion Ratio Lower Upper

96 100

61 13.3 123.0 184.4#

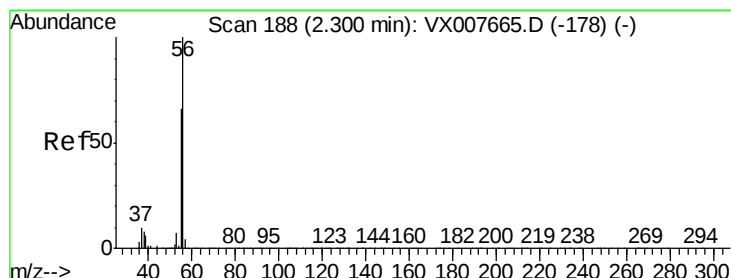
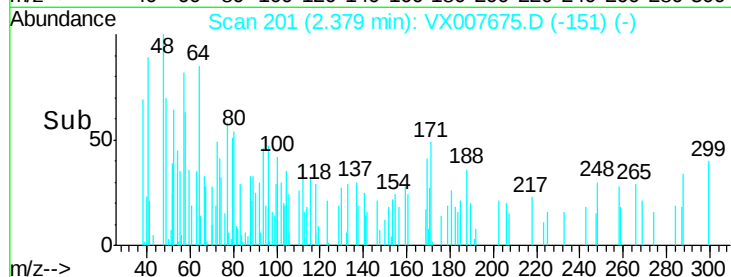
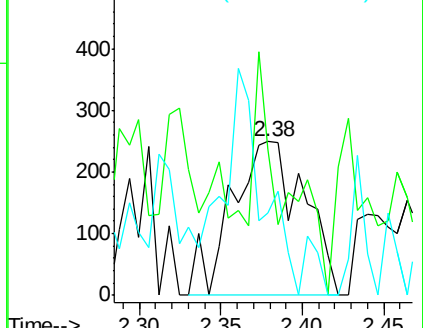
98 53.8 50.9 76.3



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



#13

Acrolein

Concen: 0.832 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007675.D

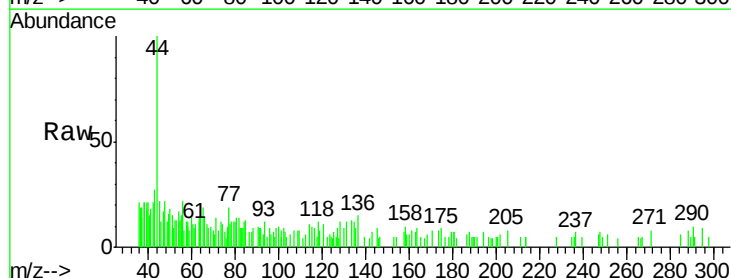
Acq: 25 Feb 2019 15:53

Tgt Ion: 56 Resp: 636

Ion Ratio Lower Upper

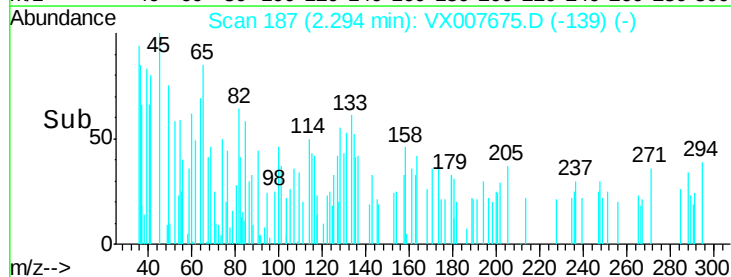
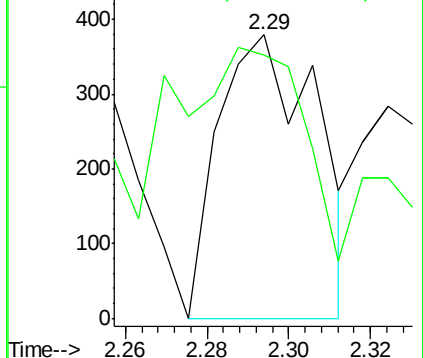
56 100

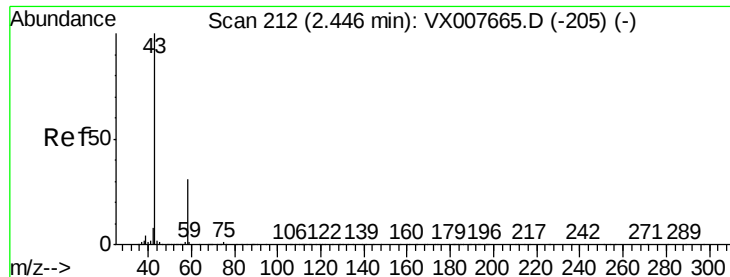
55 105.5 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 6.778 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX007675.D

Acq: 25 Feb 2019 15:53

Instrument :

MSVOA_X

ClientSampleId :

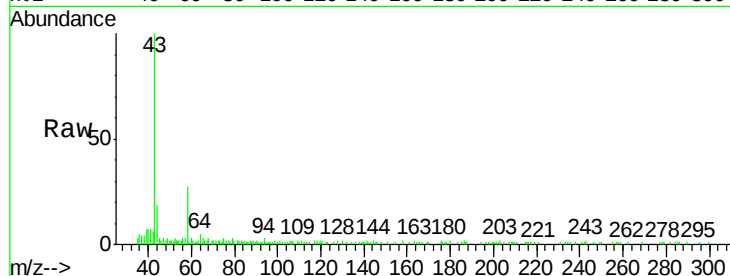
BP-VPB201-GW-150-152

Tot Ion: 43 Resp: 13670

Ion Ratio Lower Upper

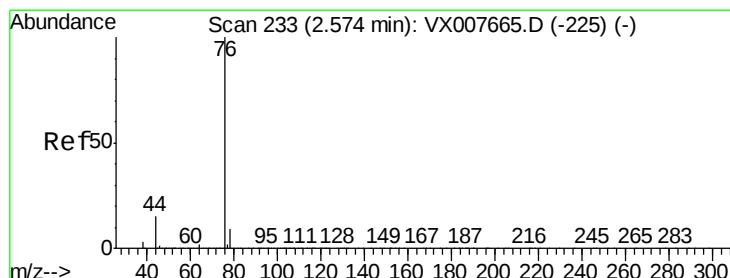
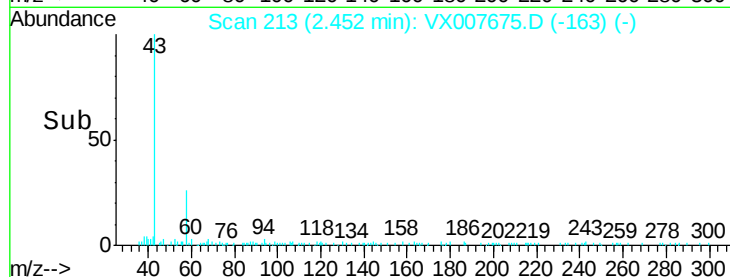
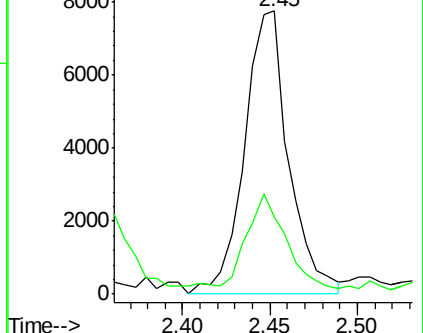
43 100

58 25.5 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.238 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX007675.D

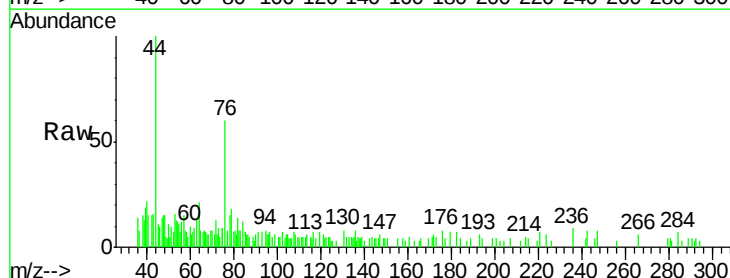
Acq: 25 Feb 2019 15:53

Tgt Ion: 76 Resp: 2124

Ion Ratio Lower Upper

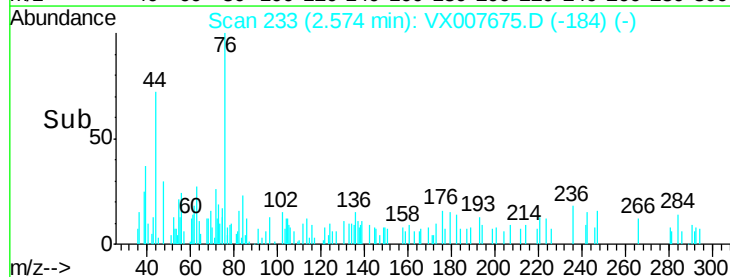
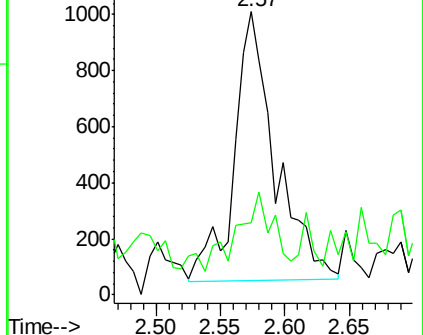
76 100

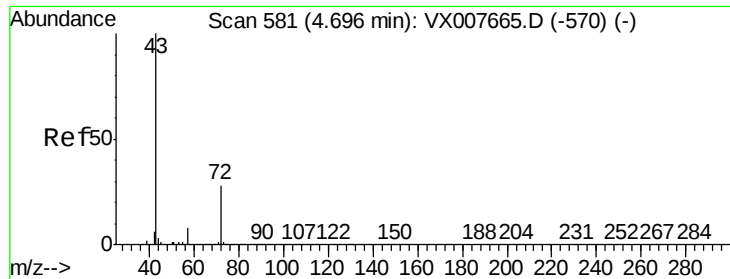
78 12.3 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#25

2-Butanone

Concen: 1.379 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX007675.D

Acq: 25 Feb 2019 15:53

Instrument :

MSVOA_X

ClientSampleId :

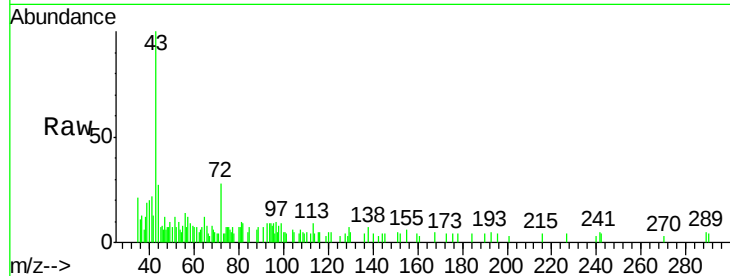
BP-VPB201-GW-150-152

Tot Ion: 43 Resp: 4236

Ion Ratio Lower Upper

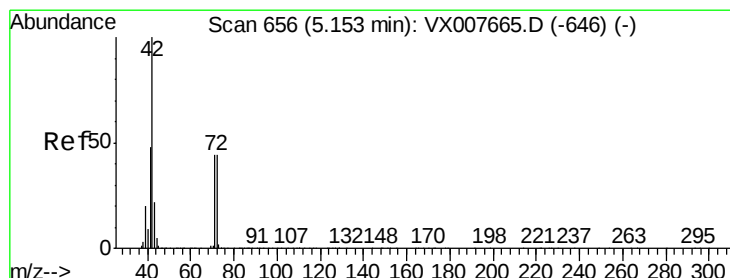
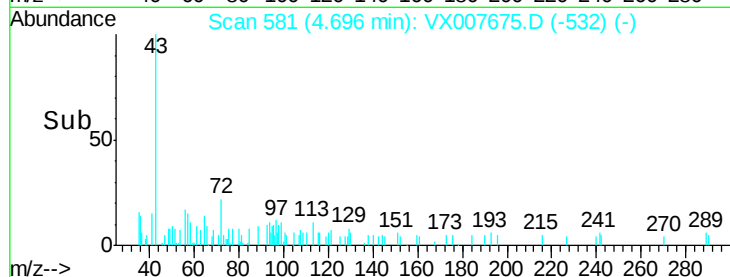
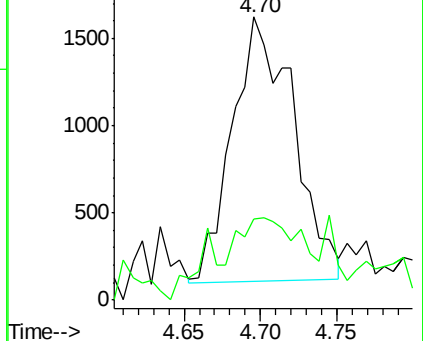
43 100

72 22.3 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.201 ug/l

RT: 5.10 min Scan# 648

Delta R.T. -0.05 min

Lab File: VX007675.D

Acq: 25 Feb 2019 15:53

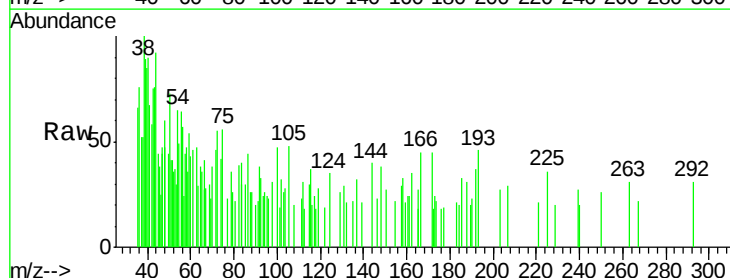
Tgt Ion: 42 Resp: 407

Ion Ratio Lower Upper

42 100

72 38.8 37.6 56.4

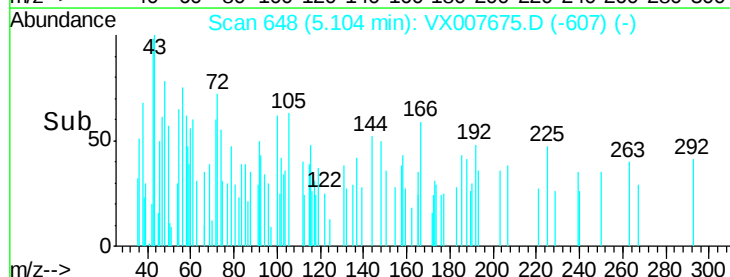
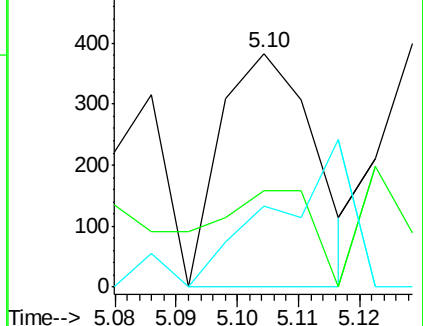
71 50.6 34.6 51.8

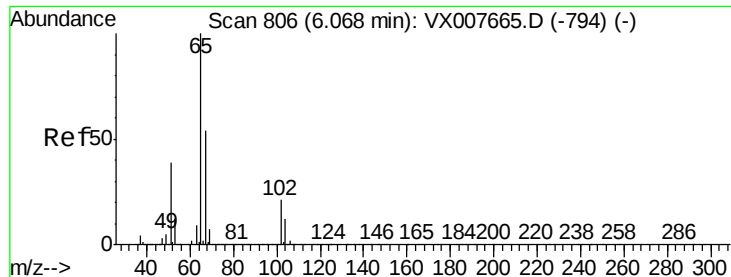


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.342 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007675.D

Acq: 25 Feb 2019 15:53

Instrument :

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ClientSampleId :

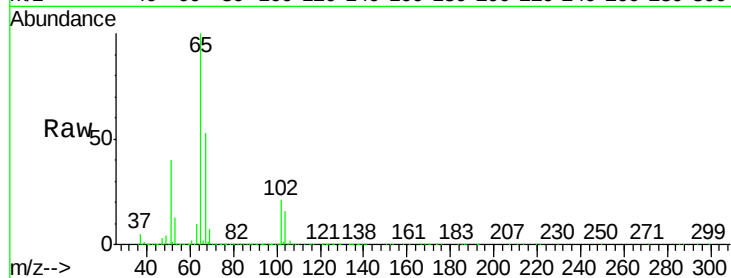
BP-VPB201-GW-150-152

Tot Ion: 65 Resp: 219234

Ion Ratio Lower Upper

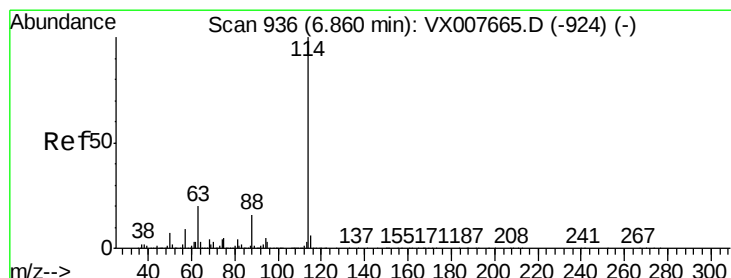
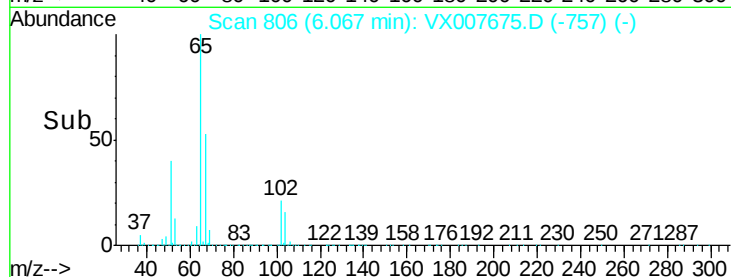
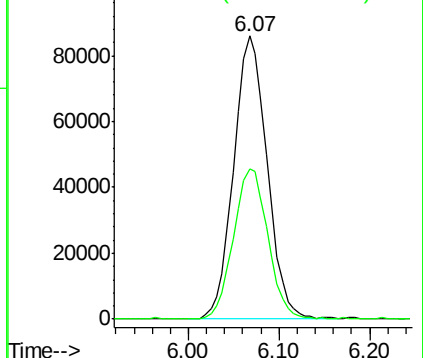
65 100

67 55.0 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: VX007675.D

Acq: 25 Feb 2019 15:53

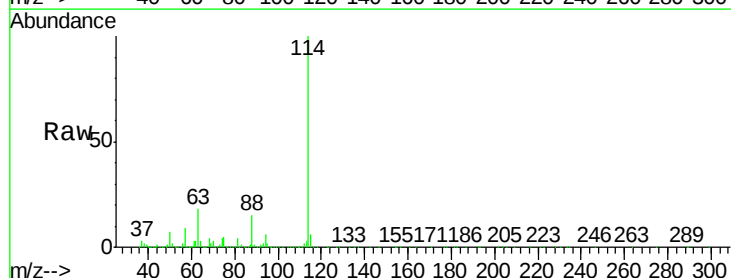
Tgt Ion: 114 Resp: 621135

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.6

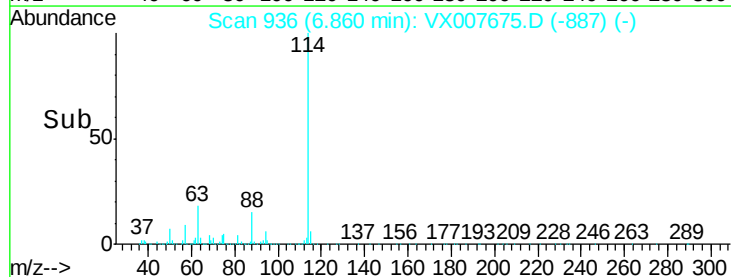
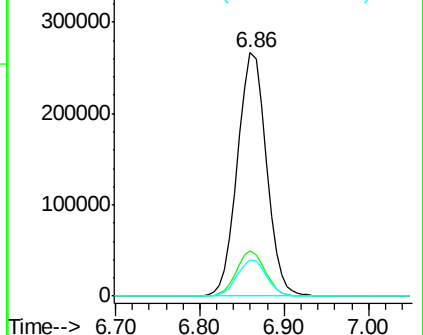
88 14.8 0.0 29.6

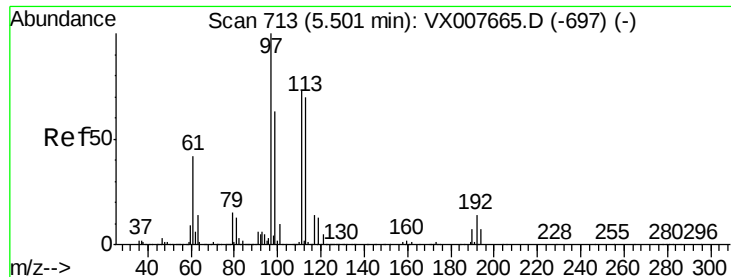


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.721 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007675.D

Acq: 25 Feb 2019 15:53

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-150-152

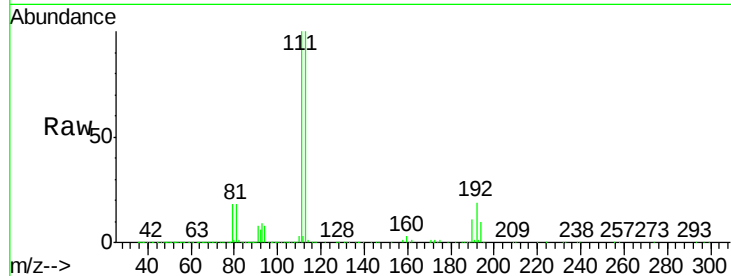
Tot Ion:113 Resp: 202294

Ion Ratio Lower Upper

113 100

111 101.1 81.8 122.8

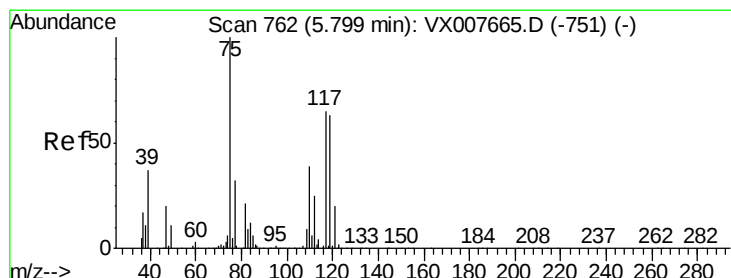
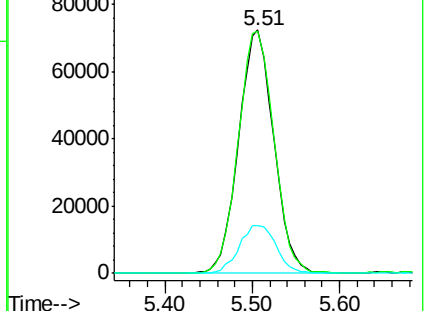
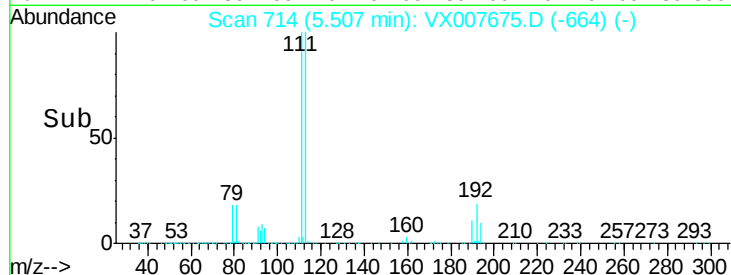
192 20.7 18.5 27.7



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: 4.605 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007675.D

Acq: 25 Feb 2019 15:53

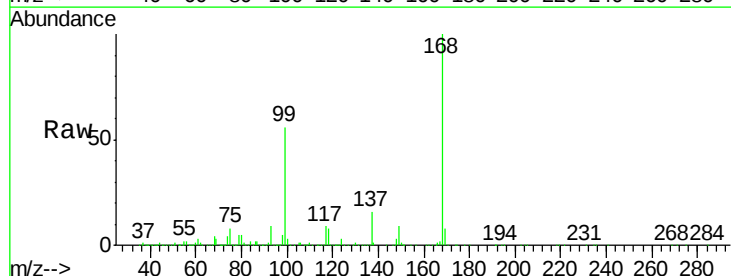
Tgt Ion: 75 Resp: 25713

Ion Ratio Lower Upper

75 100

110 11.5 20.0 59.9#

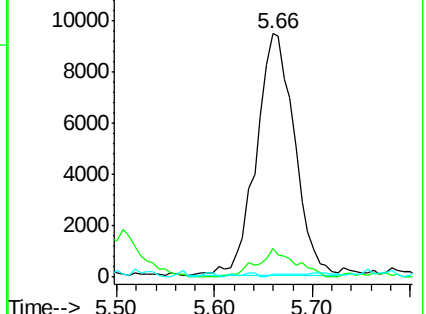
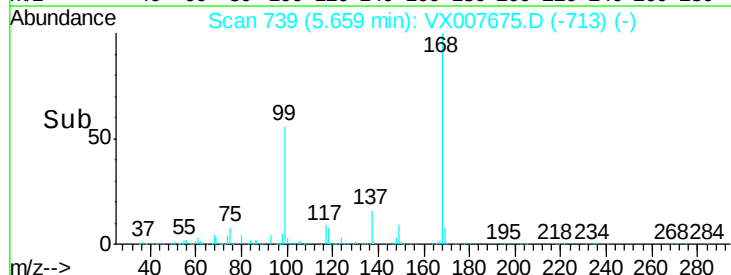
77 0.5 24.7 37.1#

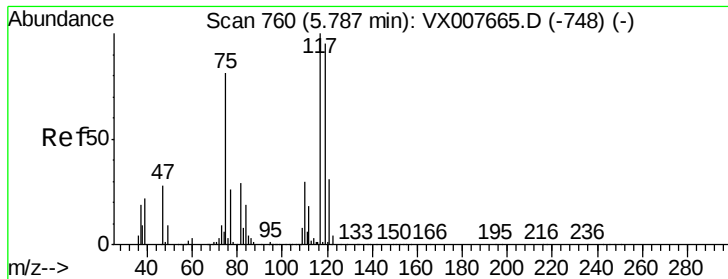


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.083 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007675.D

Acq: 25 Feb 2019 15:53

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-150-152

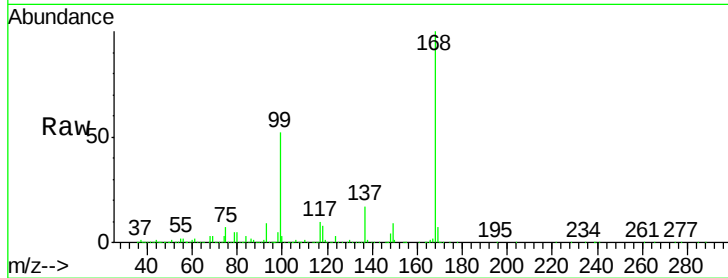
Tot Ion:117 Resp: 34124

Ion Ratio Lower Upper

117 100

119 5.9 75.3 112.9#

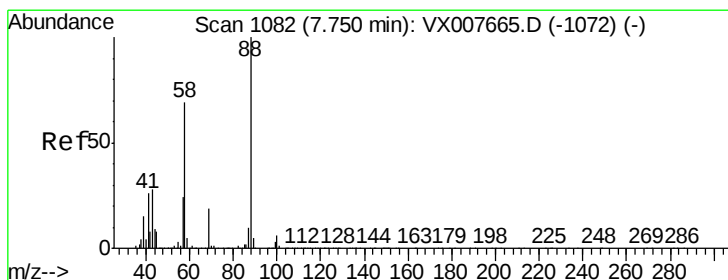
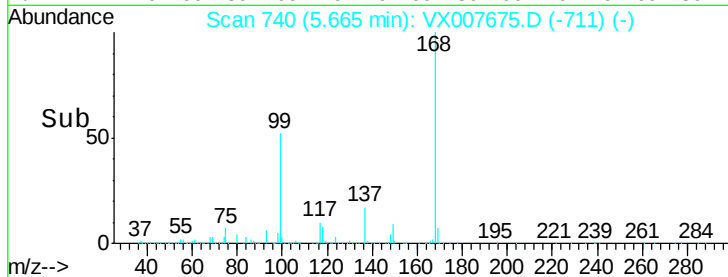
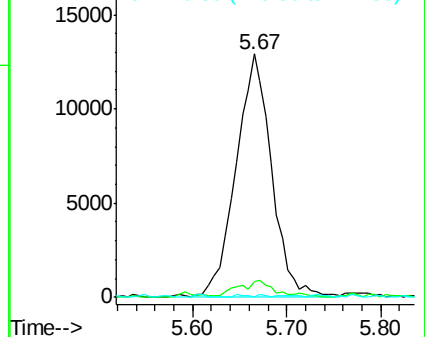
121 0.0 25.0 37.4#



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: 3.257 ug/l

RT: 7.61 min Scan# 1059

Delta R.T. -0.14 min

Lab File: VX007675.D

Acq: 25 Feb 2019 15:53

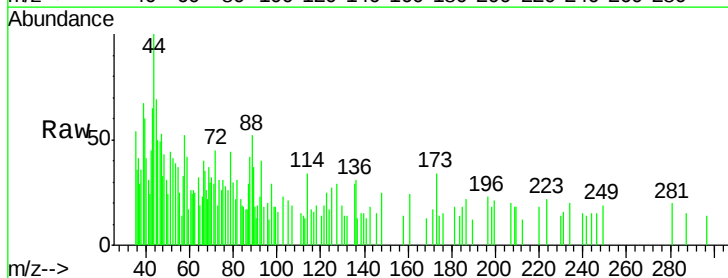
Tgt Ion: 88 Resp: 352

Ion Ratio Lower Upper

88 100

43 27.0 24.2 36.4

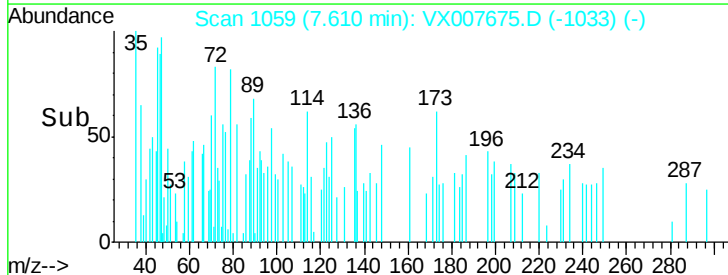
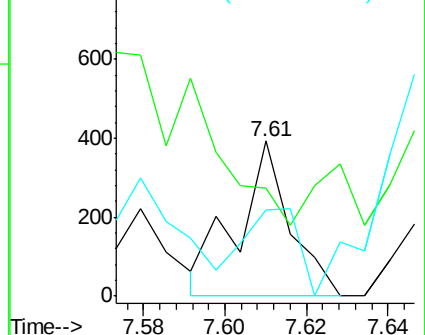
58 59.4 53.0 79.4

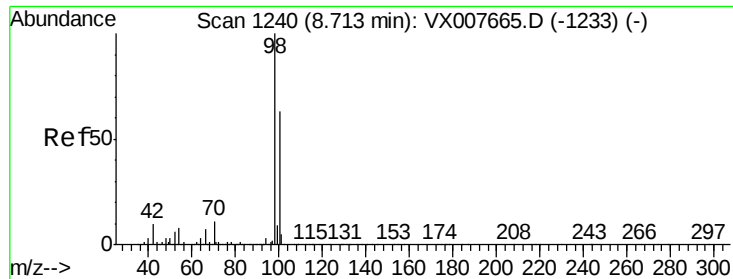


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 46.970 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007675.D

Acq: 25 Feb 2019 15:53

Instrument :

MSVOA_X

ClientSampleId :

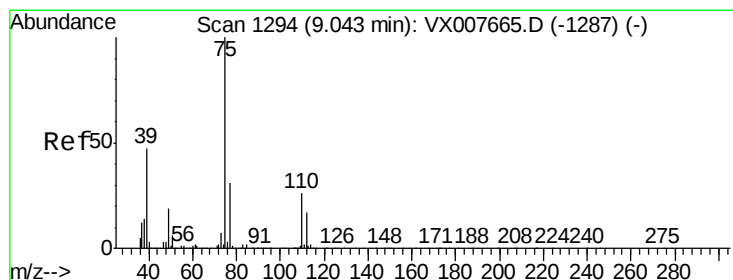
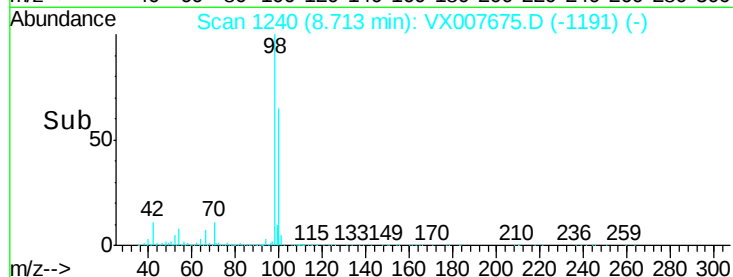
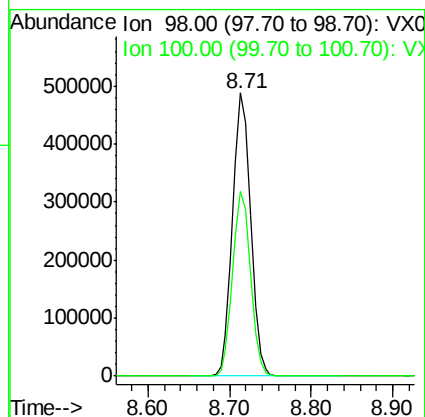
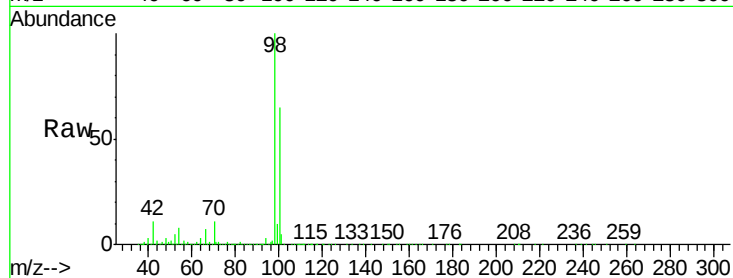
BP-VPB201-GW-150-152

Tot Ion: 98 Resp: 746622

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4



#53

t-1,3-Dichloropropene

Concen: 2.910 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007675.D

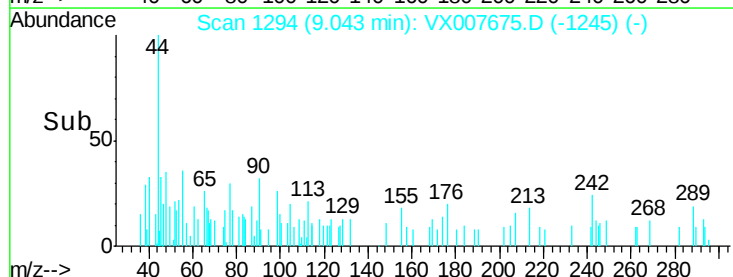
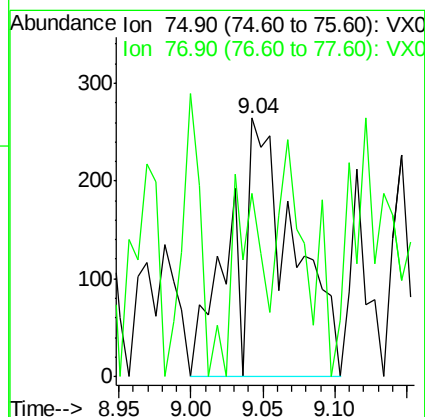
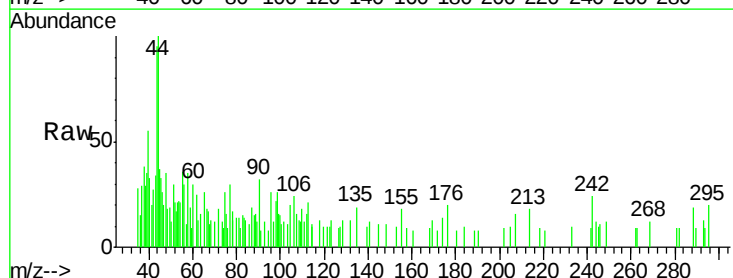
Acq: 25 Feb 2019 15:53

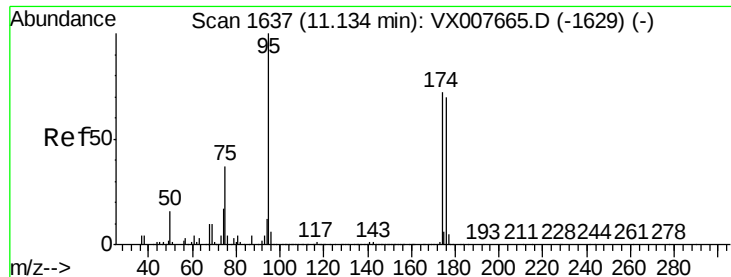
Tgt Ion: 75 Resp: 762

Ion Ratio Lower Upper

75 100

77 48.9 25.2 37.8#

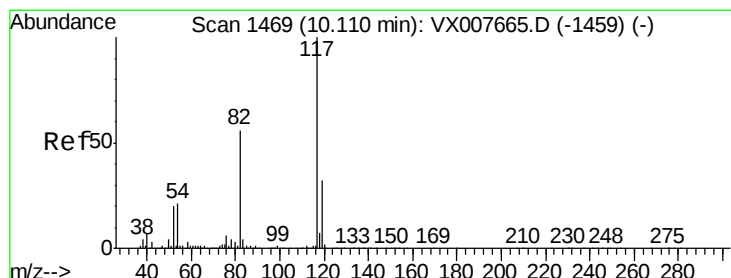
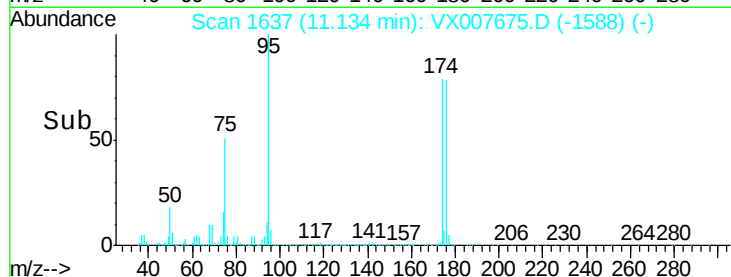
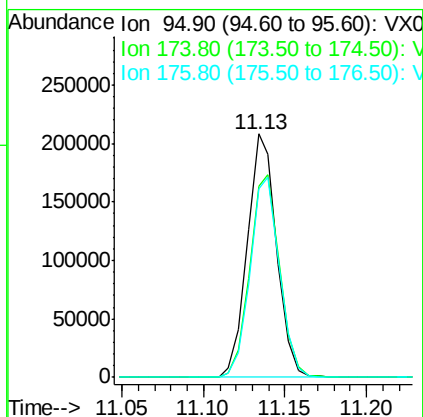
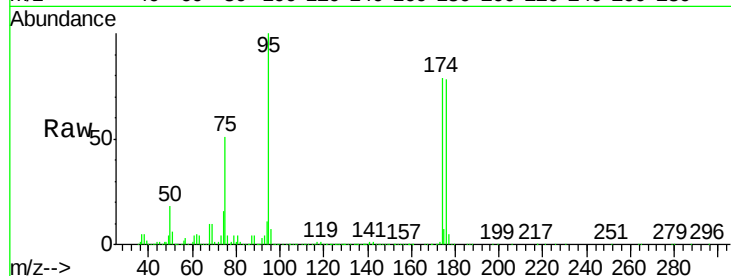




#62
4-Bromofluorobenzene
Concen: 44.695 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007675.D
Acq: 25 Feb 2019 15:53

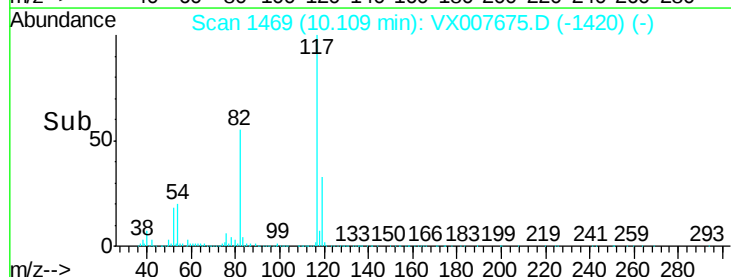
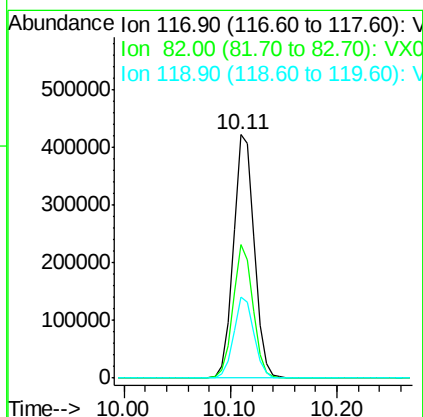
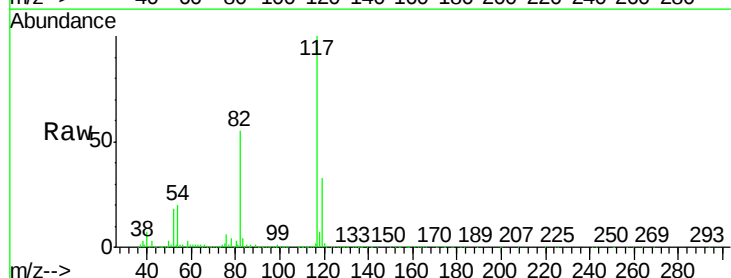
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-150-152

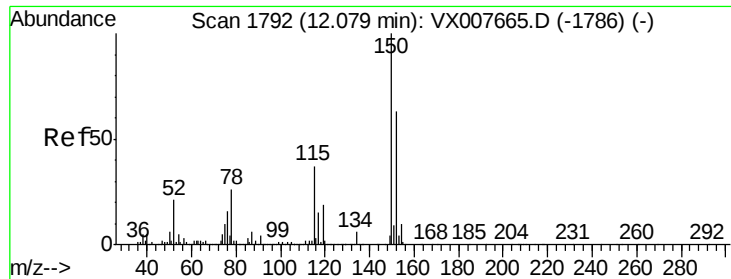
Tot Ion	Ratio	Lower	Upper
95	100		
174	85.1	0.0	189.2
176	82.6	0.0	186.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007675.D
Acq: 25 Feb 2019 15:53

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.9	42.1	63.1
119	33.2	26.5	39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007675.D

Acq: 25 Feb 2019 15:53

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-150-152

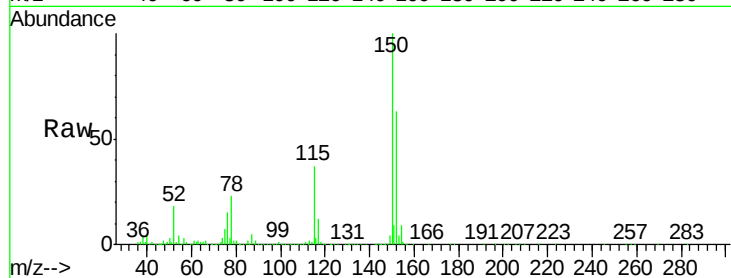
Tot Ion:152 Resp: 264487

Ion Ratio Lower Upper

152 100

115 57.9 38.0 114.0

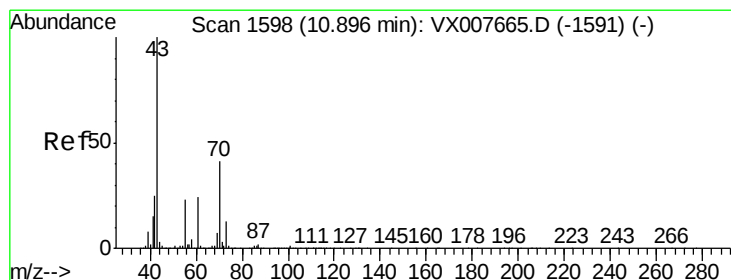
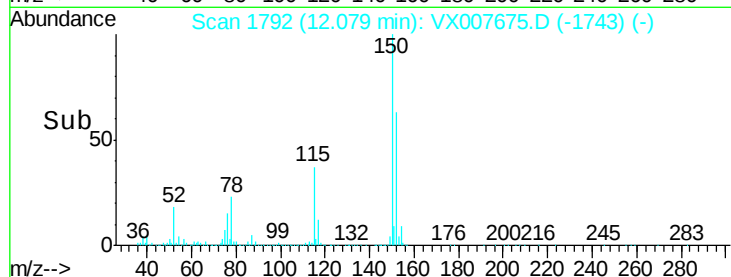
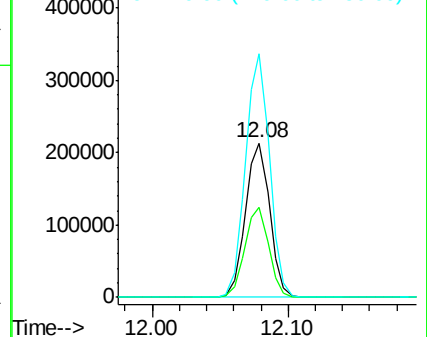
150 157.0 0.0 346.4



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



#74

N-aryl acetate

Concen: 0.217 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX007675.D

Acq: 25 Feb 2019 15:53

Tgt Ion: 43 Resp: 1782

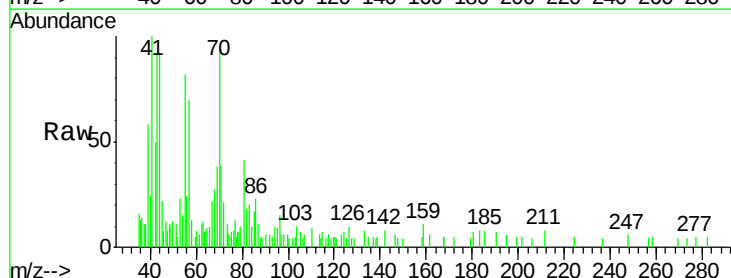
Ion Ratio Lower Upper

43 100

70 130.2 33.8 50.6#

55 106.6 19.5 29.3#

61 0.0 19.4 29.2#

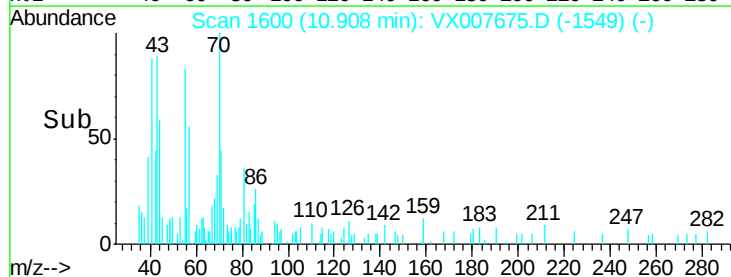
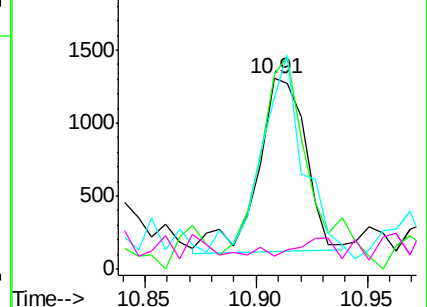


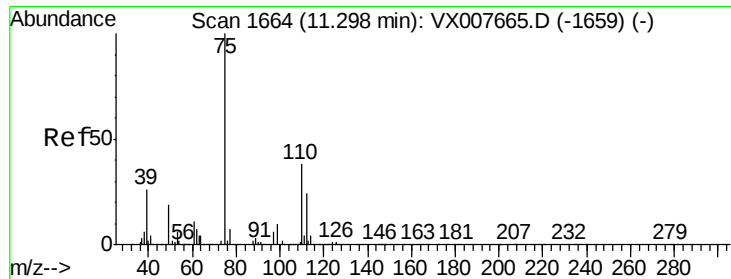
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 22.920 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007675.D

Acq: 25 Feb 2019 15:53

Instrument :

MSVOA_X

ClientSampleId :

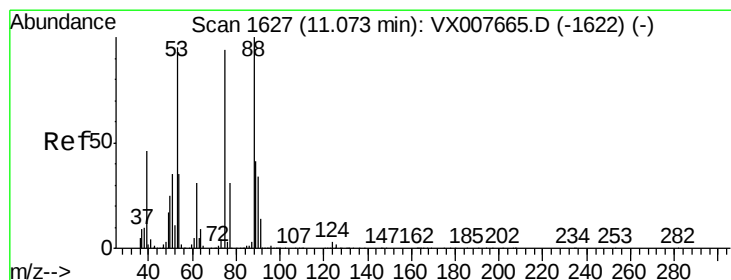
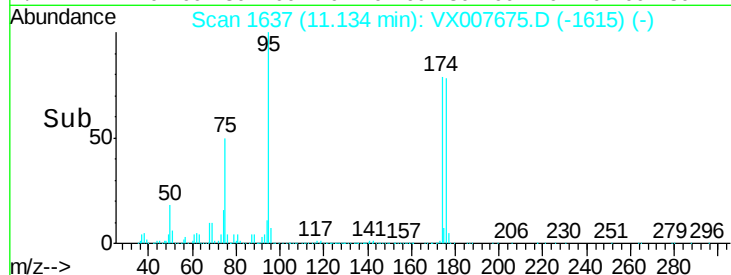
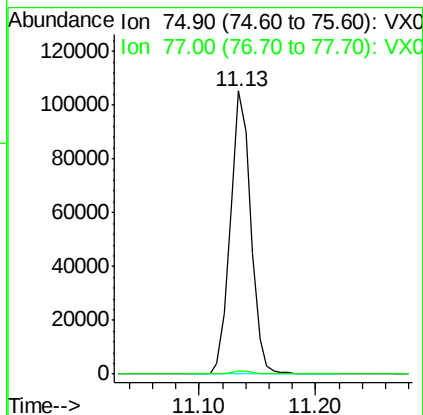
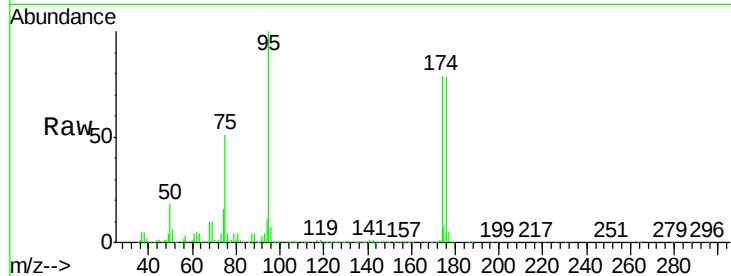
BP-VPB201-GW-150-152

Tot Ion: 75 Resp: 129218

Ion Ratio Lower Upper

75 100

77 1.6 23.0 69.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.733 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007675.D

Acq: 25 Feb 2019 15:53

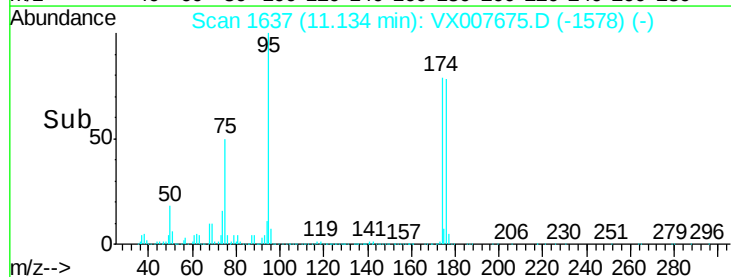
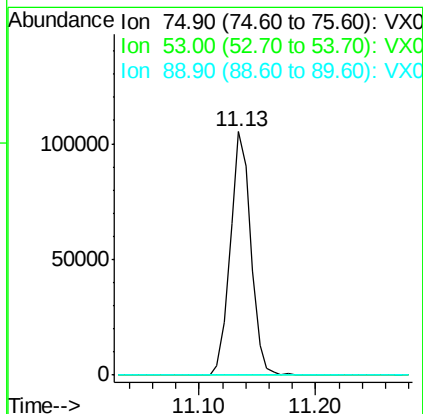
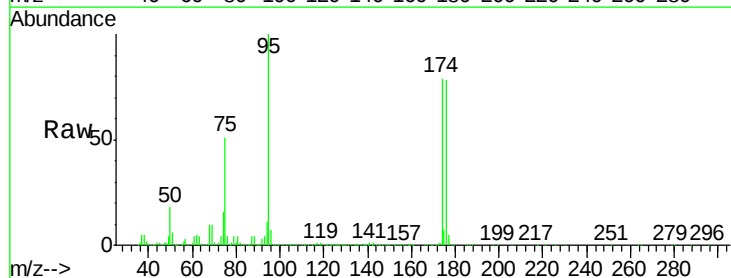
Tgt Ion: 75 Resp: 129218

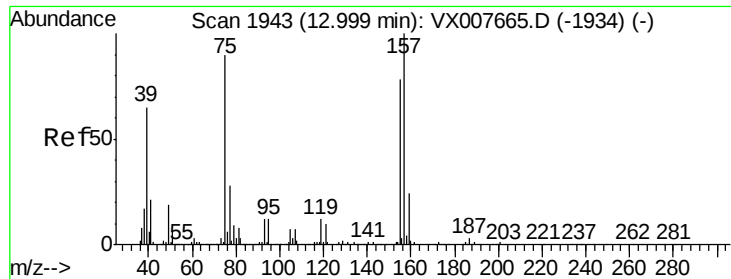
Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.3 41.4 62.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.304 ug/l

RT: 13.01 min Scan# 1944

Delta R.T. 0.01 min

Lab File: VX007675.D

Acq: 25 Feb 2019 15:53

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-150-152

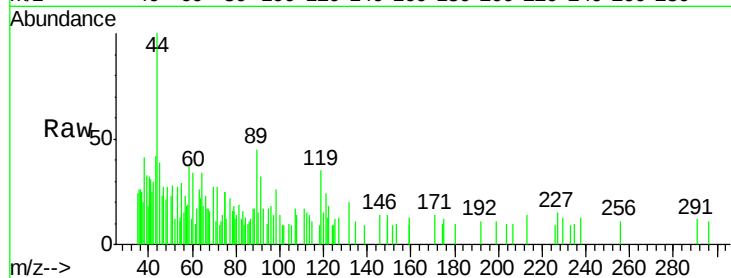
Tot Ion: 75 Resp: 433

Ion Ratio Lower Upper

75 100

155 4.6 49.6 149.0#

157 13.6 65.1 195.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

