

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022819\
 Data File : VX007758.D
 Acq On : 28 Feb 2019 11:32
 Operator : JC/SP
 Sample : K1641-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-TB-20190225

Quant Time: Mar 01 01:29:08 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	319108	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	497539	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	469322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	221196	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	191330	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
35) Dibromofluoromethane	5.51	113	161843	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
50) Toluene-d8	8.71	98	606765	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
62) 4-Bromofluorobenzene	11.13	95	214568	45.91	ug/l	0.00
Spiked Amount			Recovery	=	91.82%	

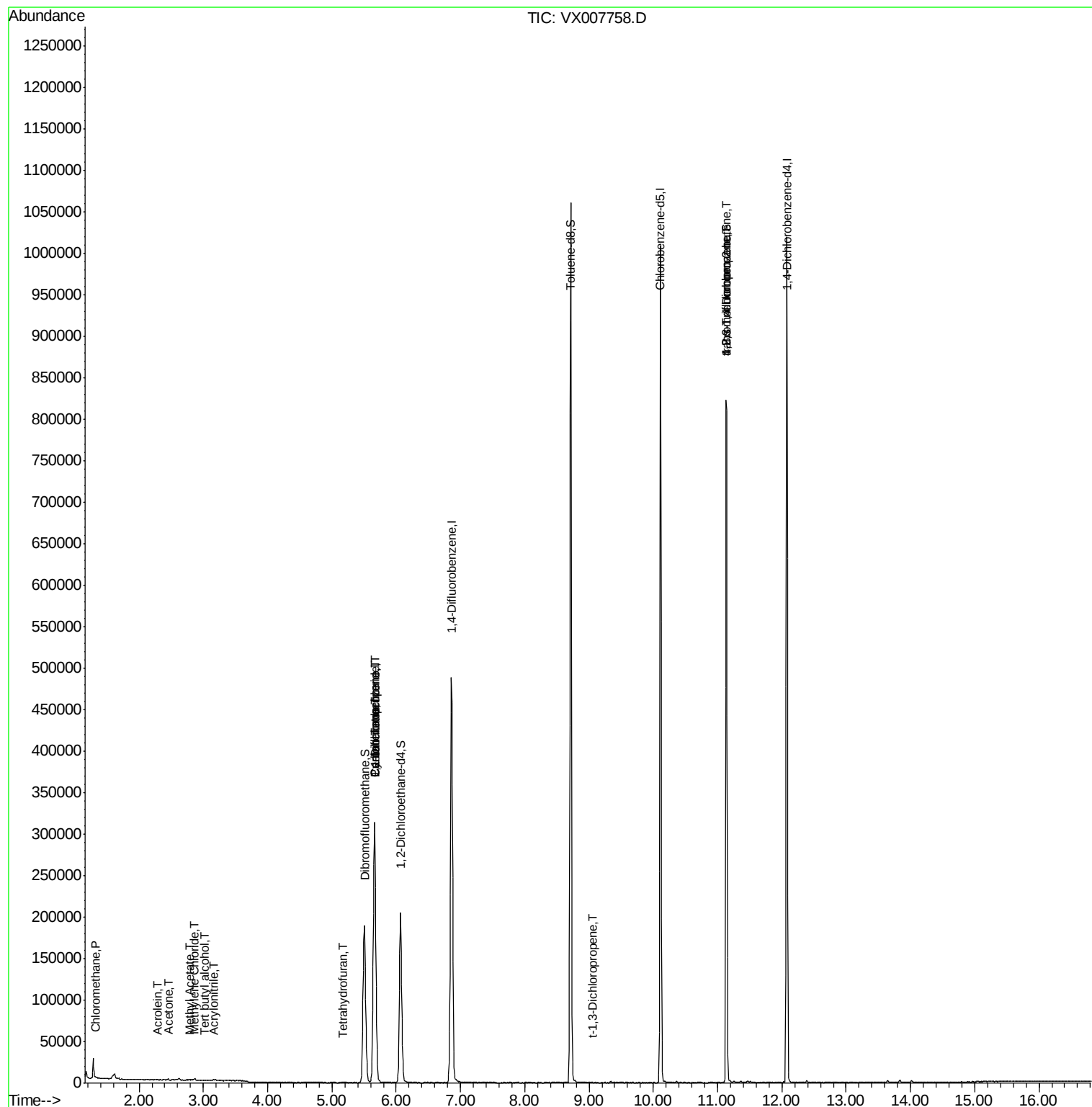
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	733	0.225	ug/l	97
5) Bromomethane	1.65	94	714	Below Cal	#	74
11) Tert butyl alcohol	3.03	59	203	0.271	ug/l #	58
13) Acrolein	2.29	56	309	0.464	ug/l	86
15) Acrylonitrile	3.15	53	706	0.400	ug/l #	85
16) Acetone	2.45	43	1616	0.919	ug/l	99
18) Methyl Acetate	2.79	43	813	0.212	ug/l #	73
20) Methylene Chloride	2.86	84	754	0.232	ug/l #	86
29) Tetrahydrofuran	5.17	42	501	0.284	ug/l #	62
31) Cyclohexane	5.67	56	5753	1.047	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	20839	4.659	ug/l #	47
38) Carbon Tetrachloride	5.67	117	27932	6.216	ug/l #	17
53) t-1,3-Dichloropropene	9.05	75	150	2.829	ug/l #	69
76) 1,2,3-Trichloropropane	11.13	75	104103	22.080	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	104103	58.615	ug/l #	9

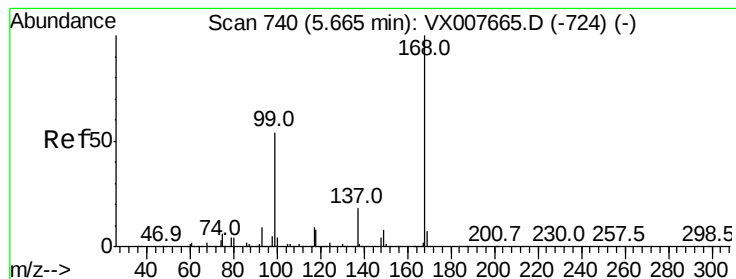
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007758.D

Acq: 28 Feb 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

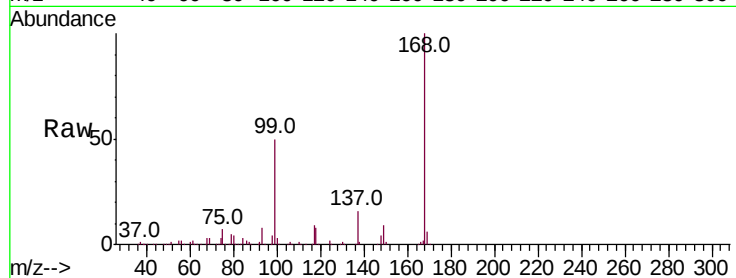
BP-VPB201-TB-20190225

Tot Ion:168 Resp: 319108

Ion Ratio Lower Upper

168 100

99 49.5 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

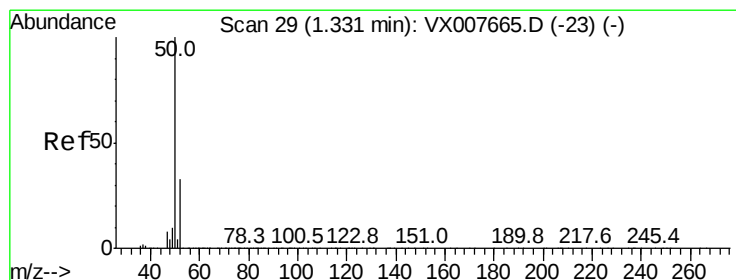
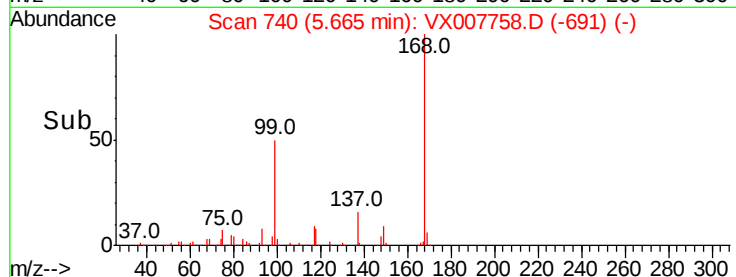
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.225 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007758.D

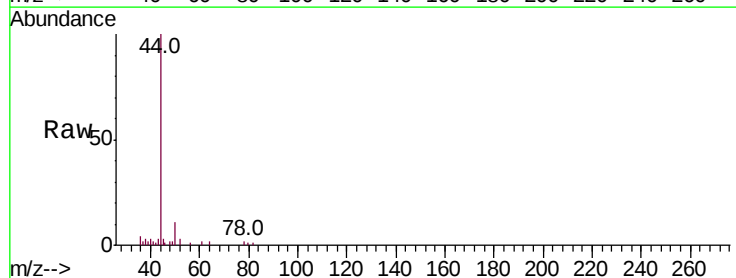
Acq: 28 Feb 2019 11:32

Tgt Ion: 50 Resp: 733

Ion Ratio Lower Upper

50 100

52 31.0 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

500

400

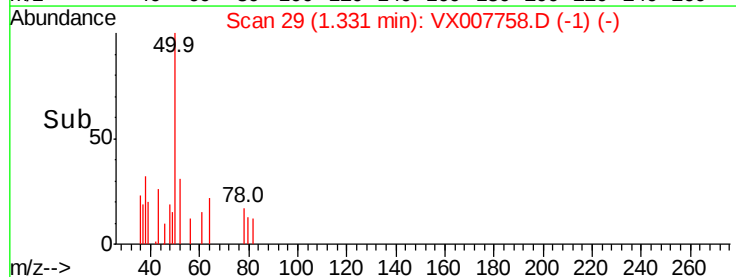
300

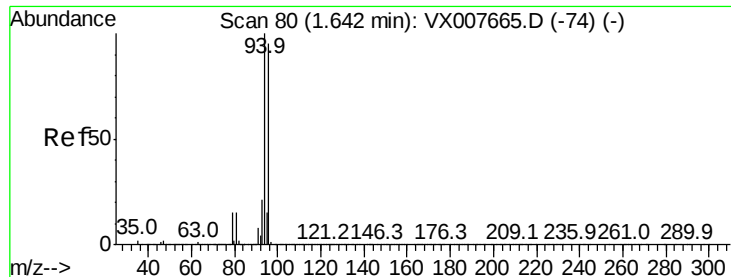
200

100

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007758.D

Acq: 28 Feb 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

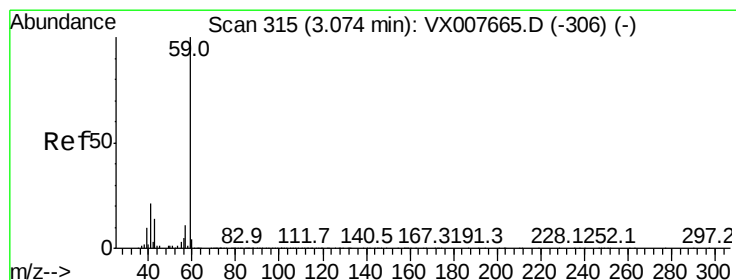
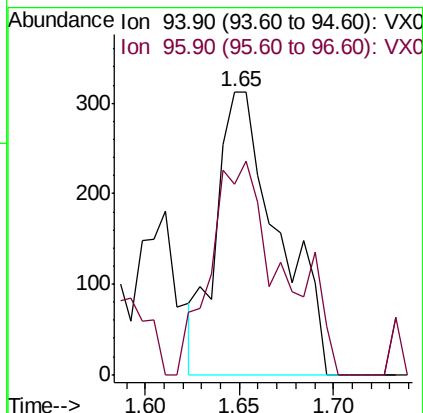
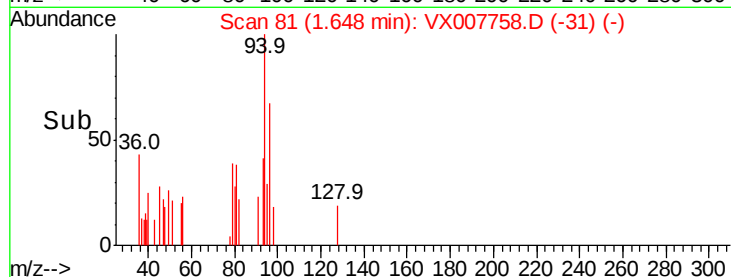
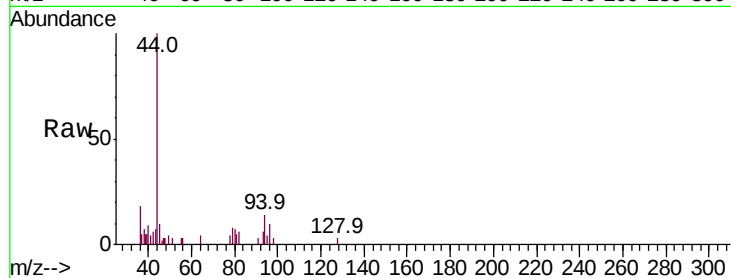
BP-VPB201-TB-20190225

Tot Ion: 94 Resp: 714

Ion Ratio Lower Upper

94 100

96 67.4 73.9 110.9#



#11

Tert butyl alcohol

Concen: 0.271 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX007758.D

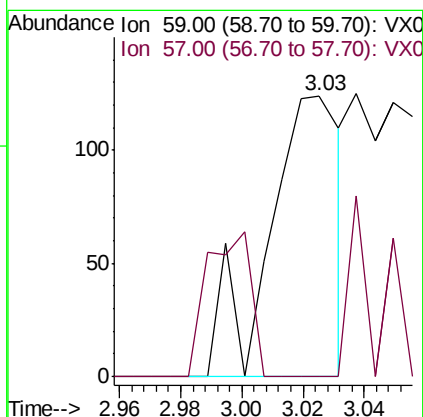
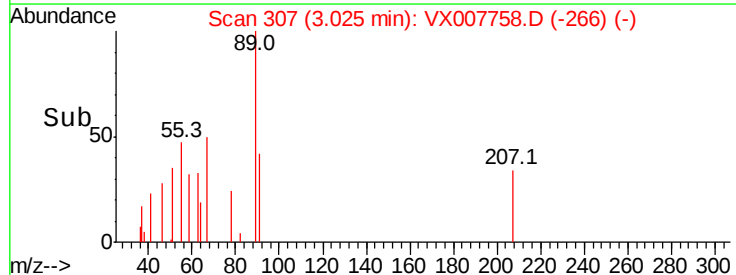
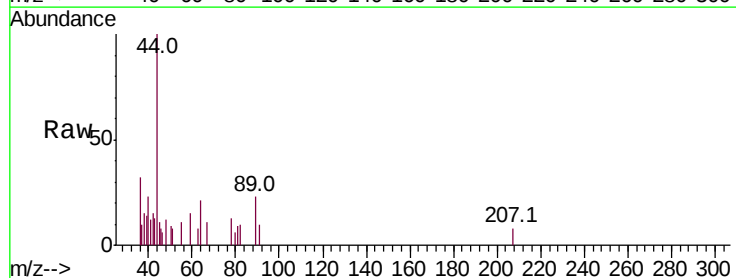
Acq: 28 Feb 2019 11:32

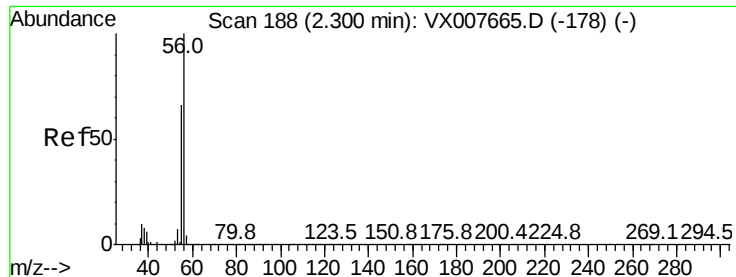
Tgt Ion: 59 Resp: 203

Ion Ratio Lower Upper

59 100

57 25.6 8.1 12.1#





#13

Acrolein

Concen: 0.464 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX007758.D

Acq: 28 Feb 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

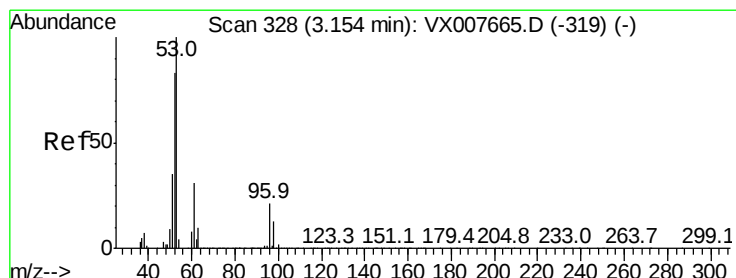
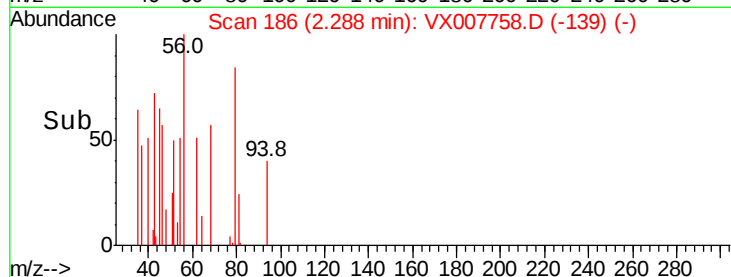
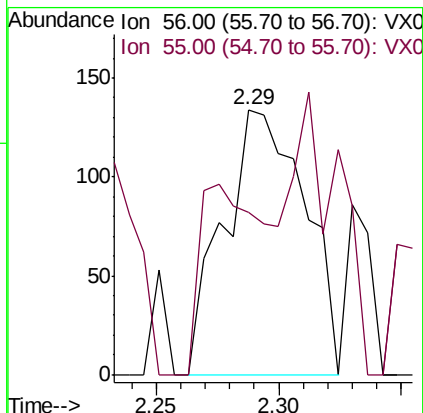
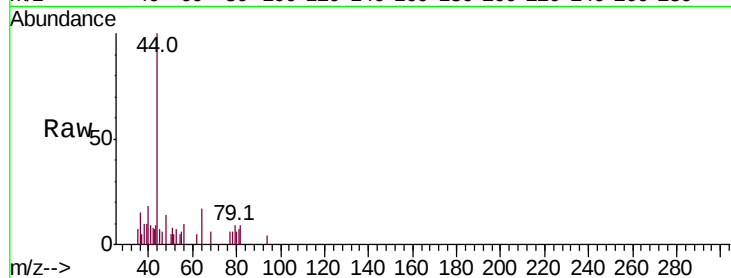
BP-VPB201-TB-20190225

Tot Ion: 56 Resp: 309

Ion Ratio Lower Upper

56 100

55 59.9 56.9 85.3



#15

Acrylonitrile

Concen: 0.400 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007758.D

Acq: 28 Feb 2019 11:32

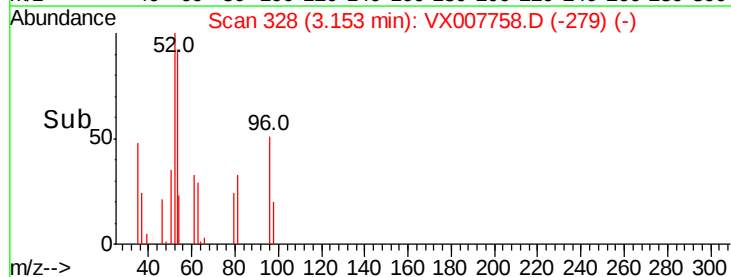
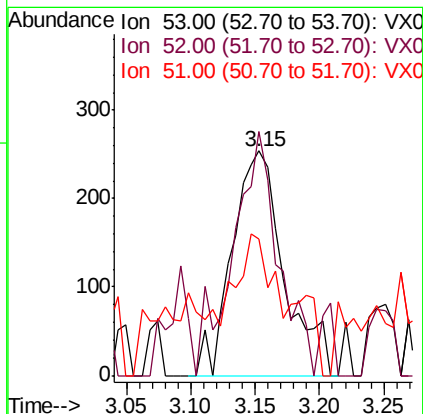
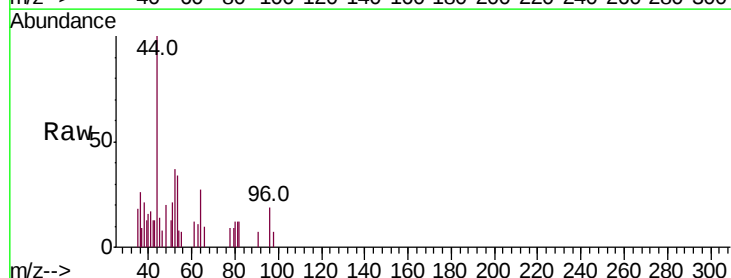
Tgt Ion: 53 Resp: 706

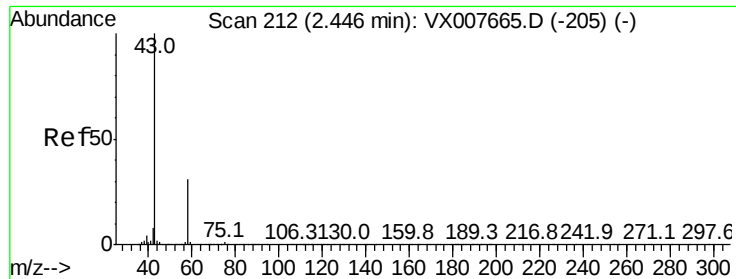
Ion Ratio Lower Upper

53 100

52 95.8 66.4 99.6

51 25.5 28.4 42.6#





#16

Acetone

Concen: 0.919 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX007758.D

Acq: 28 Feb 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

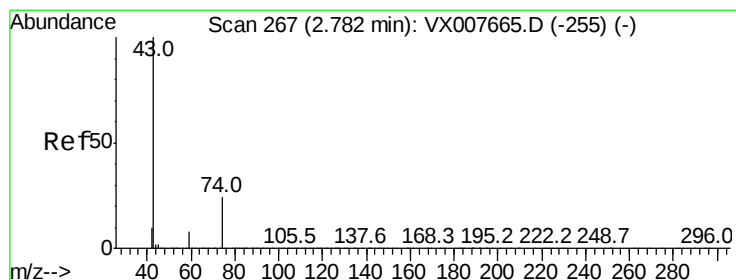
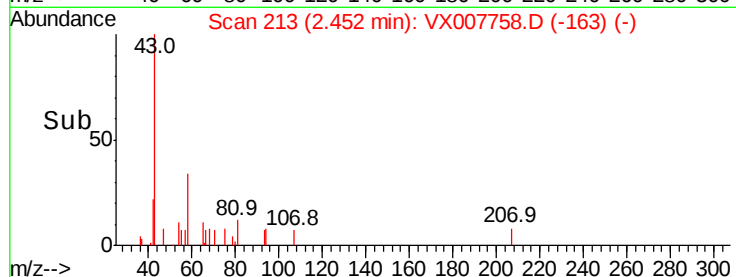
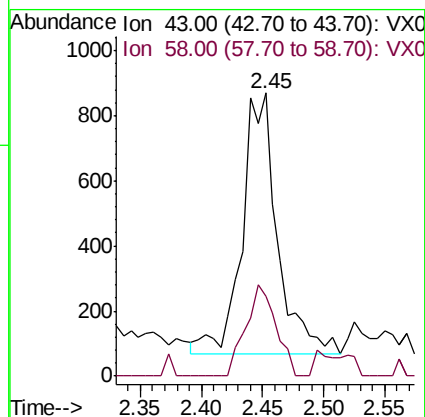
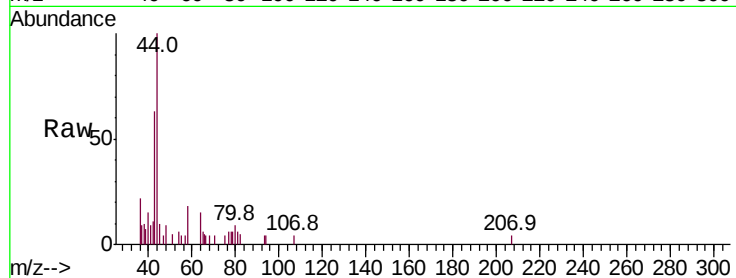
BP-VPB201-TB-20190225

Tot Ion: 43 Resp: 1616

Ion Ratio Lower Upper

43 100

58 30.8 24.9 37.3



#18

Methyl Acetate

Concen: 0.212 ug/l

RT: 2.79 min Scan# 268

Delta R.T. 0.01 min

Lab File: VX007758.D

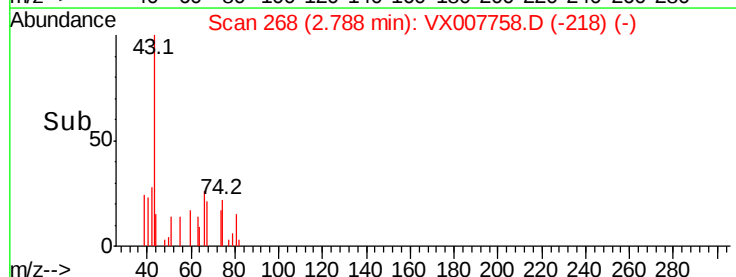
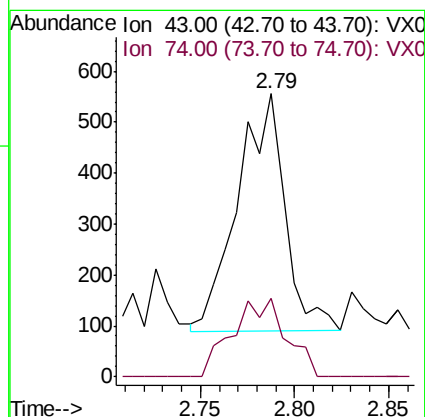
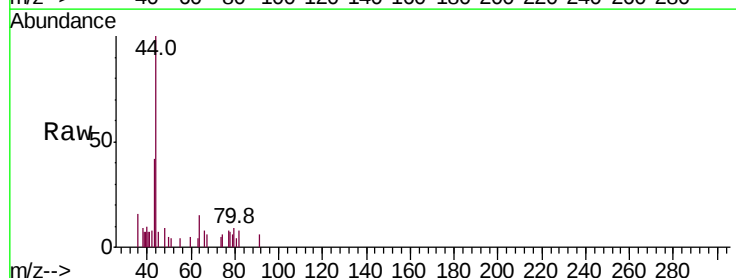
Acq: 28 Feb 2019 11:32

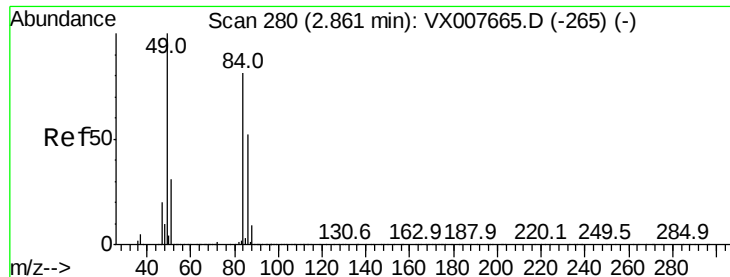
Tgt Ion: 43 Resp: 813

Ion Ratio Lower Upper

43 100

74 37.5 19.4 29.2#

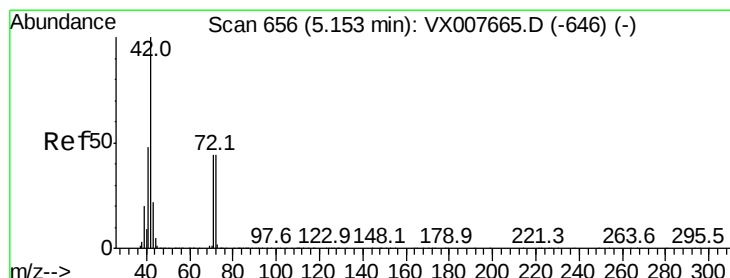
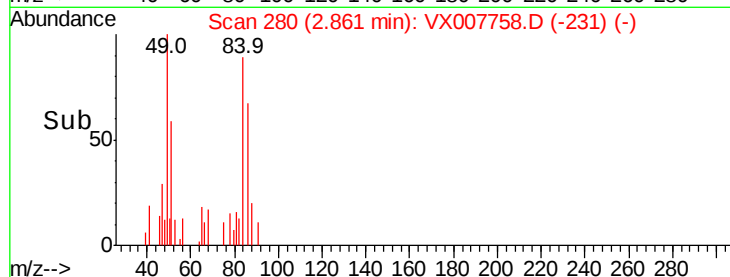
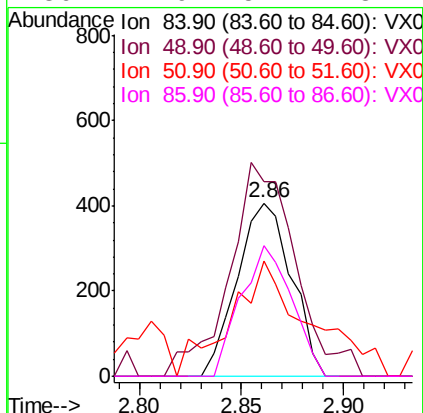
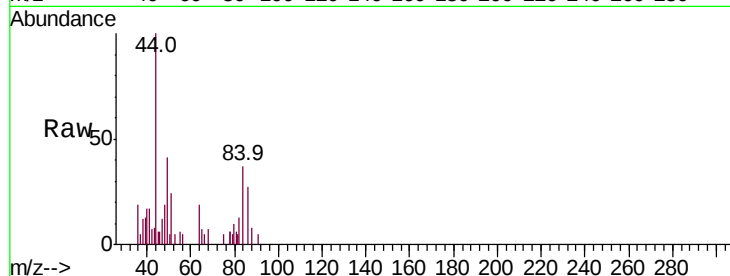




#20
Methvlene Chloride
Concen: 0.232 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007758.D
Acq: 28 Feb 2019 11:32

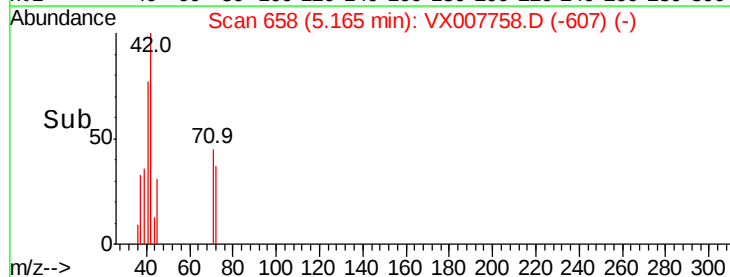
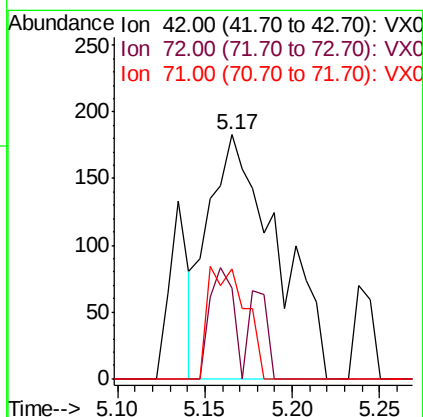
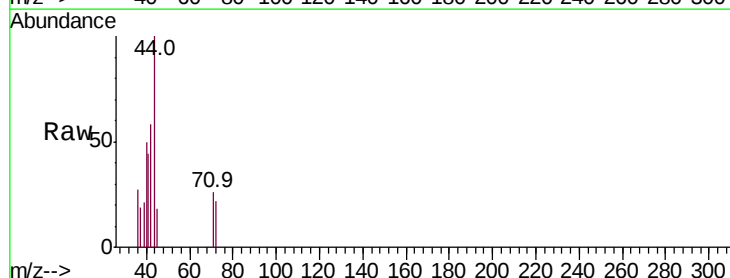
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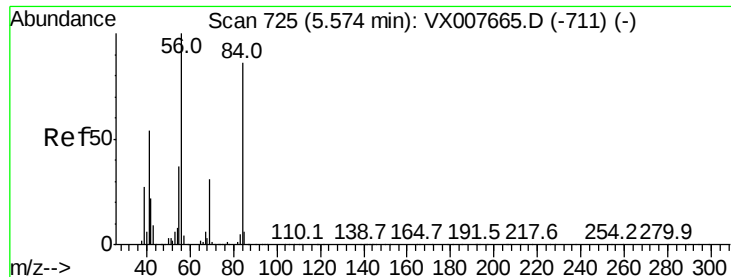
Tot Ion:	84	Resp:	754
Ion	Ratio	Lower	Upper
84	100		
49	99.0	94.8	142.2
51	45.5	29.8	44.8#
86	74.9	54.1	81.1



#29
Tetrahydrofuran
Concen: 0.284 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX007758.D
Acq: 28 Feb 2019 11:32

Tgt Ion:	42	Resp:	501
Ion	Ratio	Lower	Upper
42	100		
72	15.6	37.6	56.4#
71	25.0	34.6	51.8#

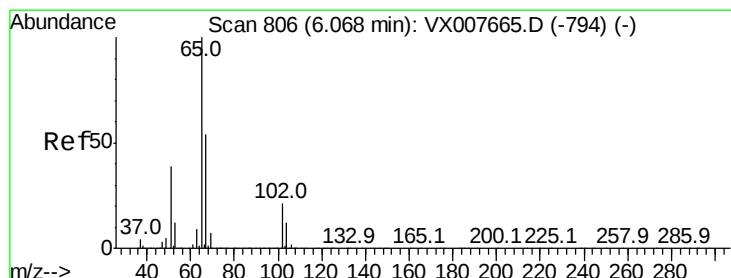
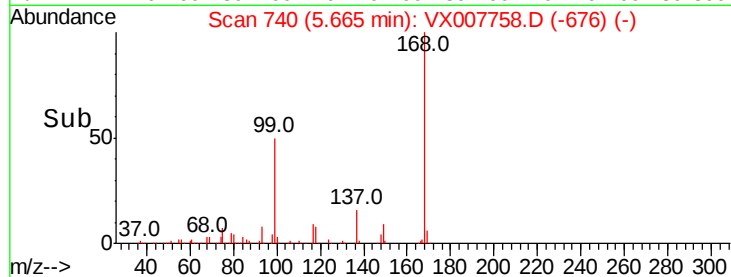
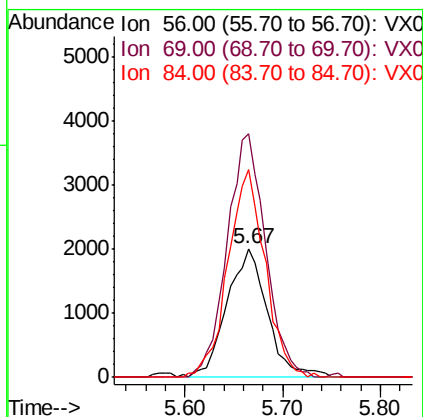
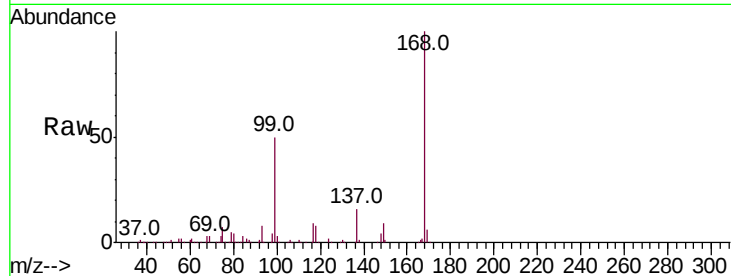




#31
Cvclohexane
Concen: 1.047 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007758.D
Acq: 28 Feb 2019 11:32

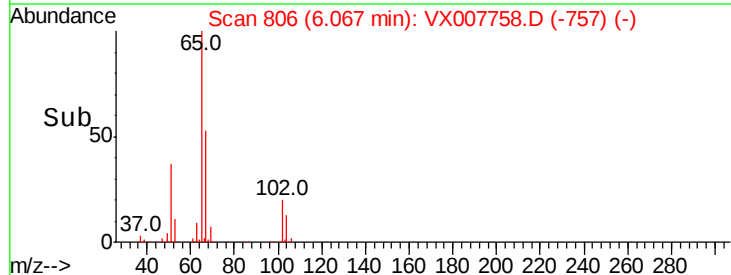
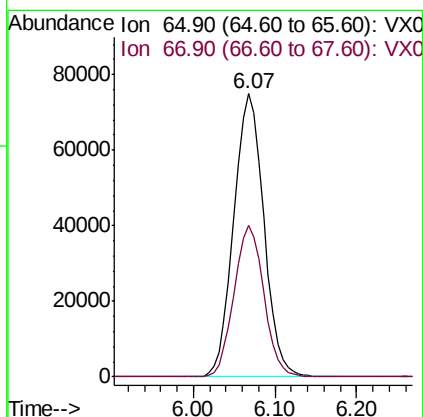
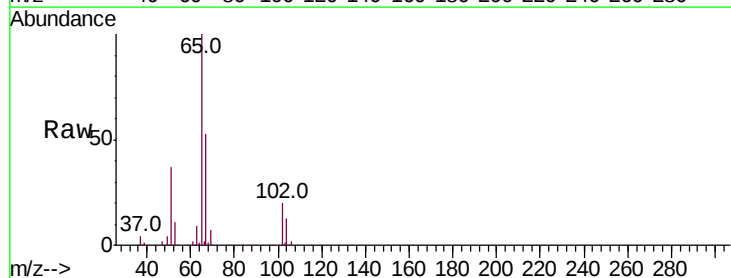
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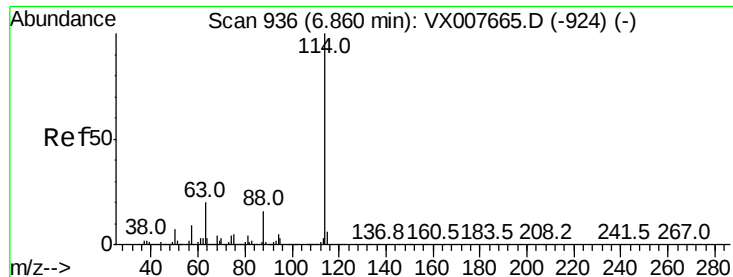
Tot Ion: 56 Resp: 5753
Ion Ratio Lower Upper
56 100
69 188.9 23.0 34.6#
84 161.1 69.8 104.6#



#33
1,2-Dichloroethane-d4
Concen: 48.404 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007758.D
Acq: 28 Feb 2019 11:32

Tgt Ion: 65 Resp: 191330
Ion Ratio Lower Upper
65 100
67 53.0 0.0 108.8

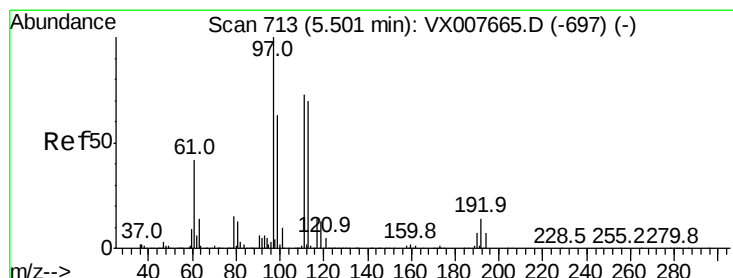
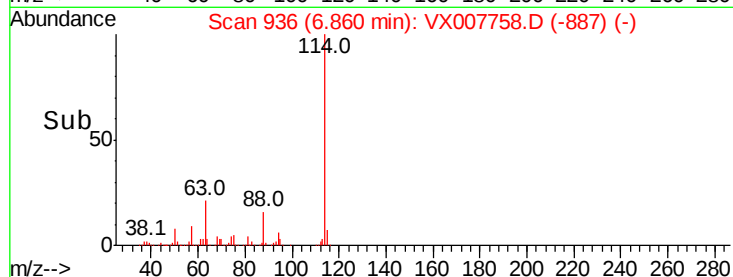
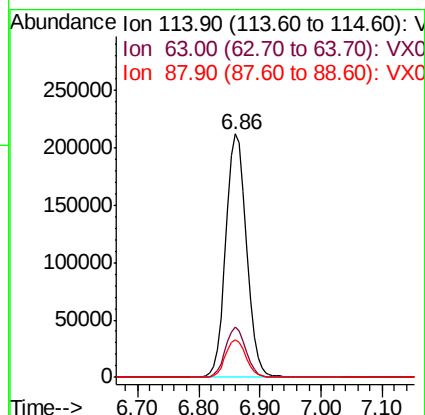
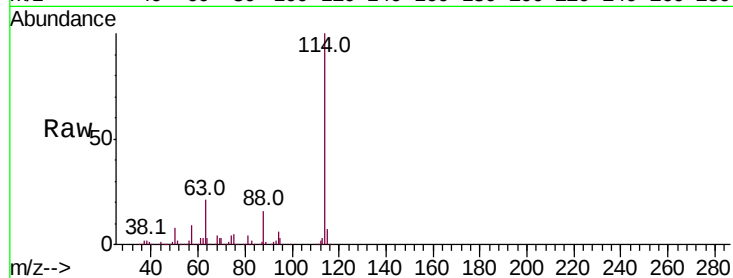




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007758.D
 Acq: 28 Feb 2019 11:32

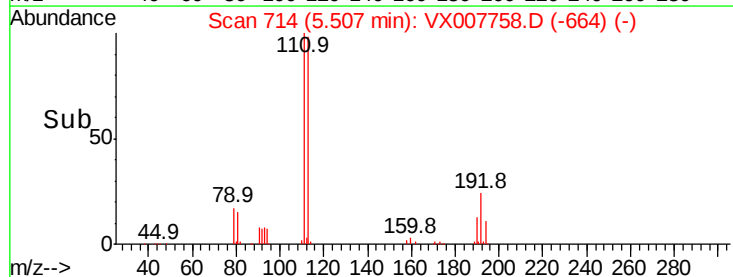
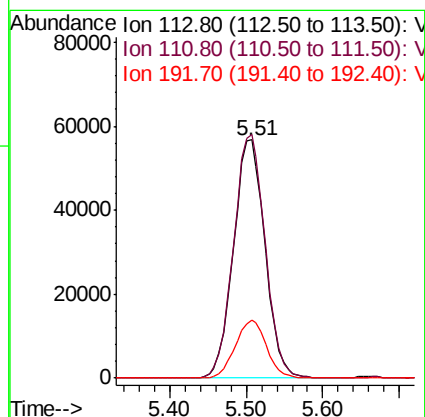
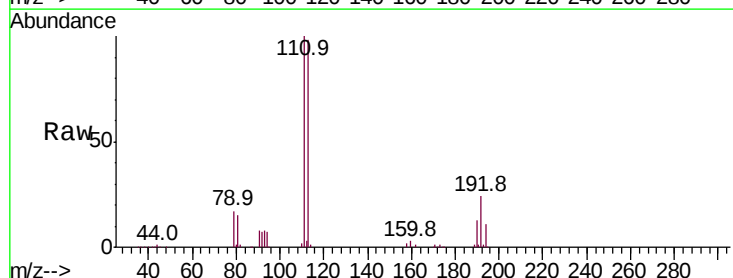
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 BP-VPB201-TB-20190225

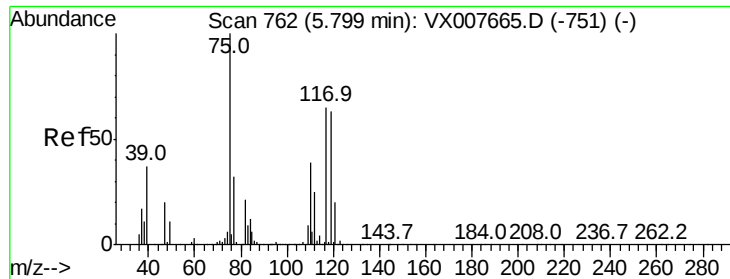
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	35.6
88	15.7	0.0	29.6



#35
 Dibromofluoromethane
 Concen: 48.662 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX007758.D
 Acq: 28 Feb 2019 11:32

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.8
192	24.1	18.5	27.7





#36

1,1-Dichloropropene

Concen: 4.659 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007758.D

Acq: 28 Feb 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-TB-20190225

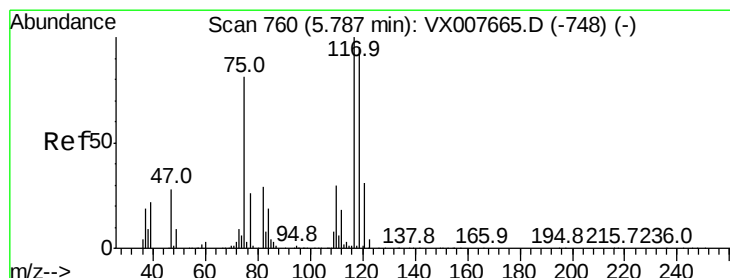
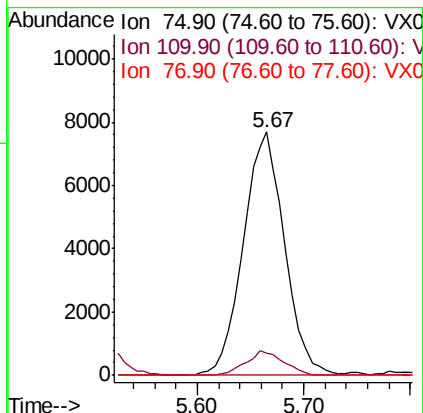
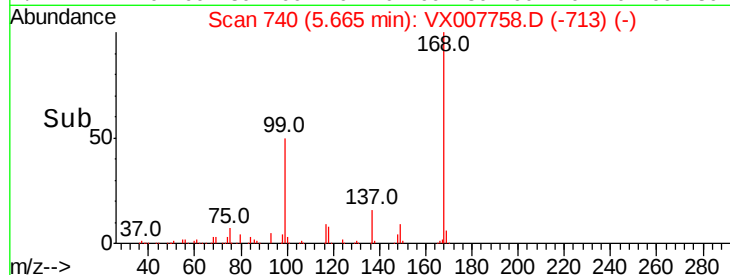
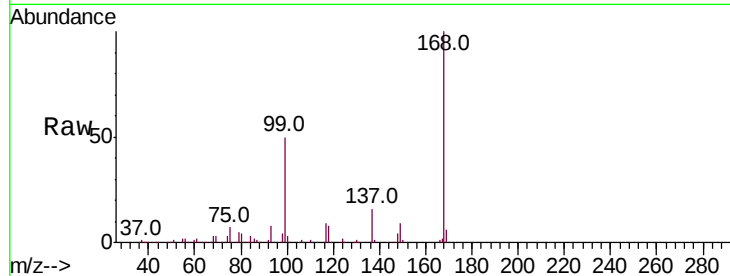
Tot Ion: 75 Resp: 20839

Ion Ratio Lower Upper

75 100

110 9.3 20.0 59.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.216 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007758.D

Acq: 28 Feb 2019 11:32

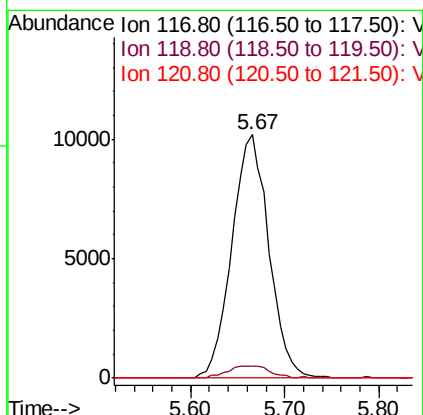
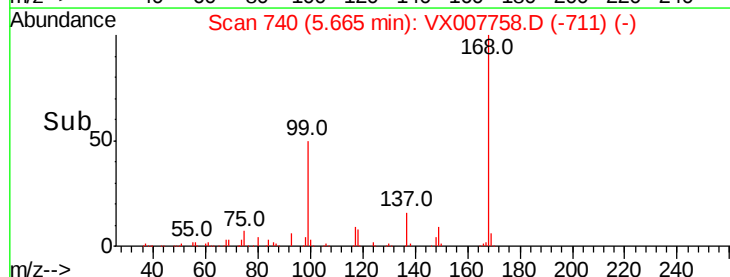
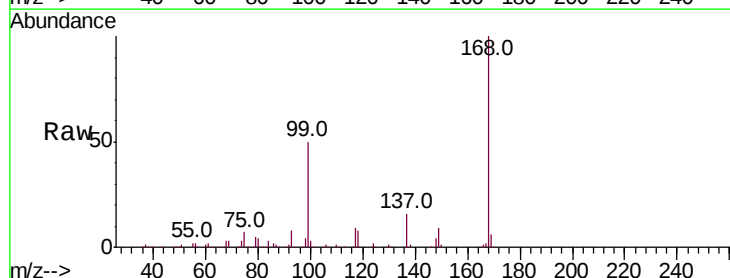
Tgt Ion: 117 Resp: 27932

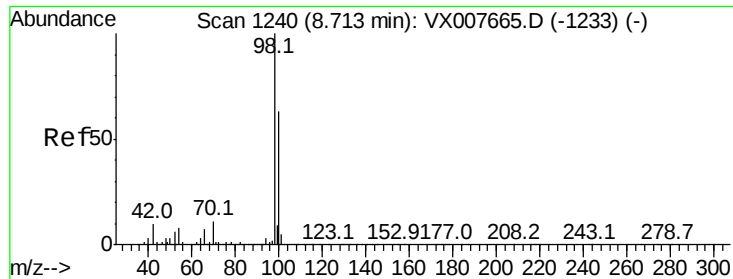
Ion Ratio Lower Upper

117 100

119 4.8 75.3 112.9#

121 0.0 25.0 37.4#





#50

Toluene-d8

Concen: 47.654 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007758.D

Acq: 28 Feb 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

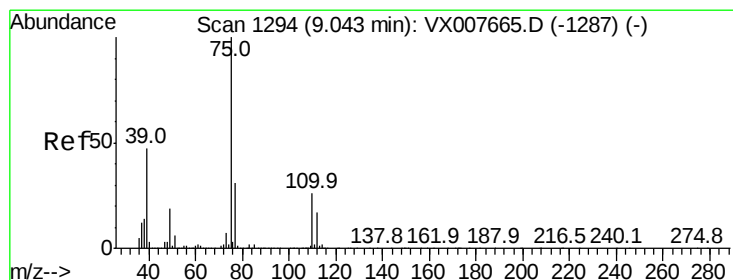
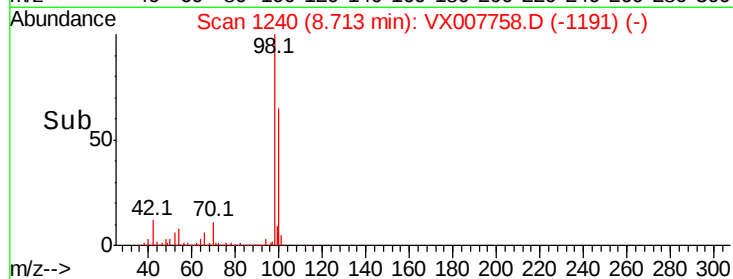
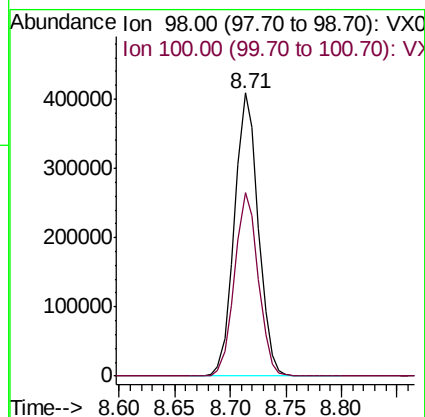
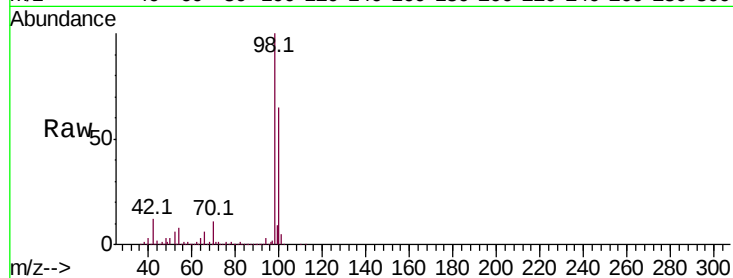
BP-VPB201-TB-20190225

Tot Ion: 98 Resp: 606765

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4



#53

t-1,3-Dichloropropene

Concen: 2.829 ug/l

RT: 9.05 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX007758.D

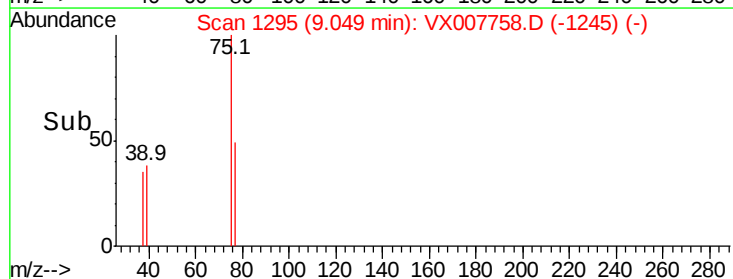
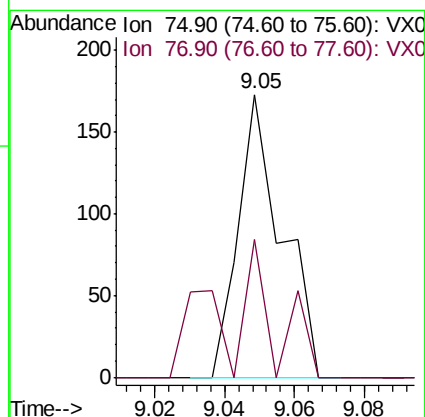
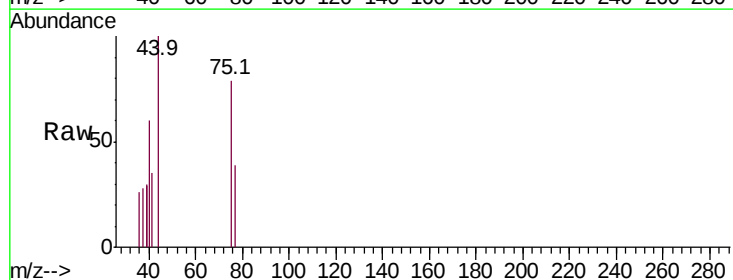
Acq: 28 Feb 2019 11:32

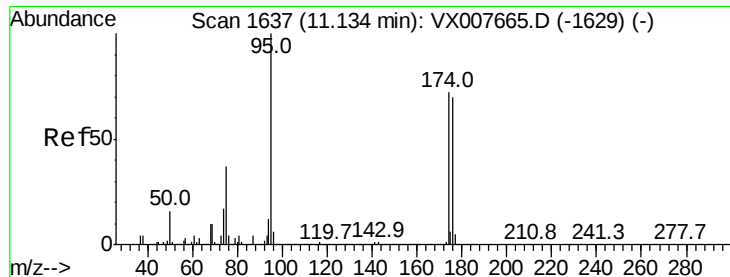
Tgt Ion: 75 Resp: 150

Ion Ratio Lower Upper

75 100

77 48.6 25.2 37.8#





#62

4-Bromofluorobenzene

Concen: 45.913 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007758.D

Acq: 28 Feb 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-TB-20190225

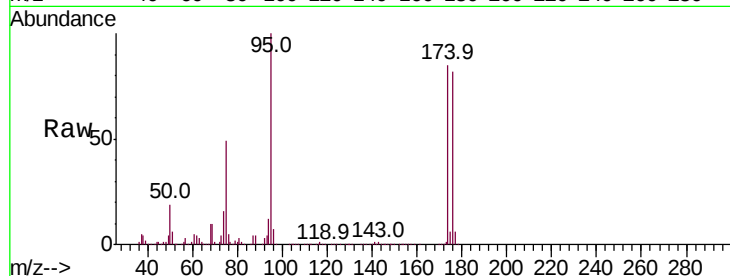
Tot Ion: 95 Resp: 214568

Ion Ratio Lower Upper

95 100

174 92.7 0.0 189.2

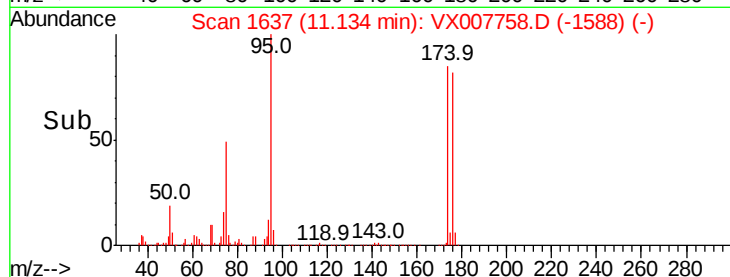
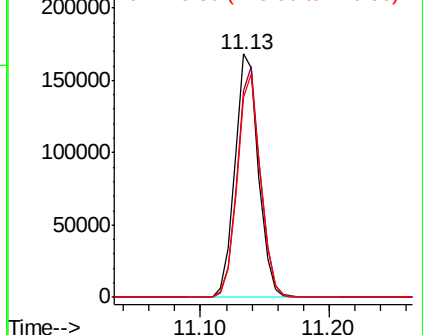
176 90.0 0.0 186.2



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: VX007758.D

Acq: 28 Feb 2019 11:32

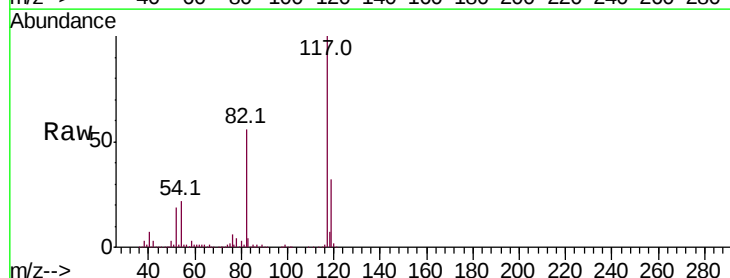
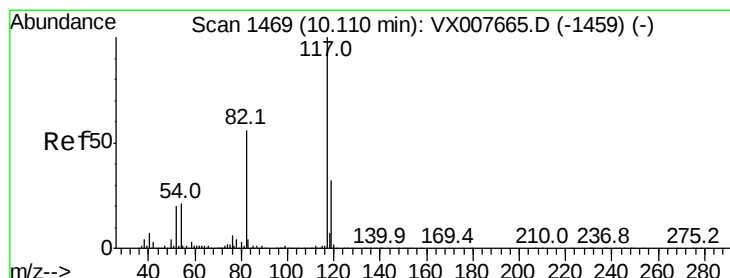
Tgt Ion: 117 Resp: 469322

Ion Ratio Lower Upper

117 100

82 55.9 42.1 63.1

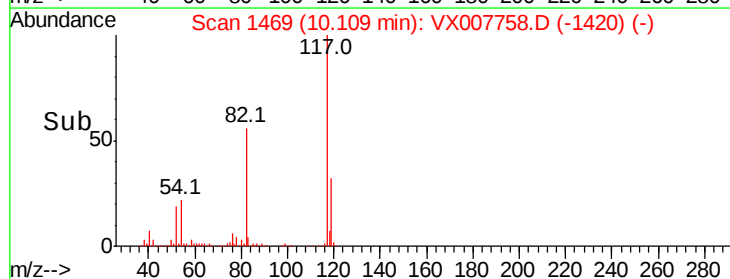
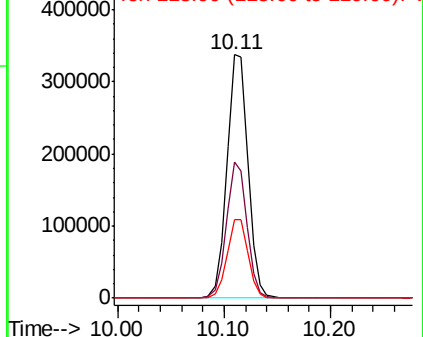
119 32.5 26.5 39.7

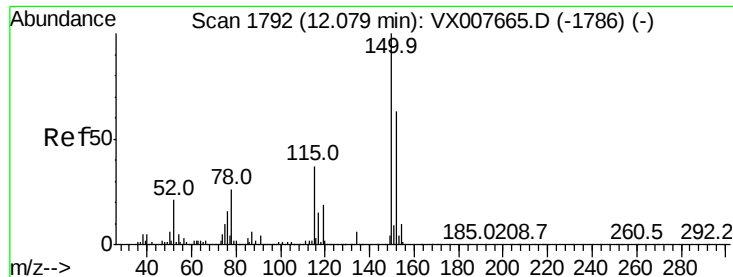


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX007758.D

Acq: 28 Feb 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-TB-20190225

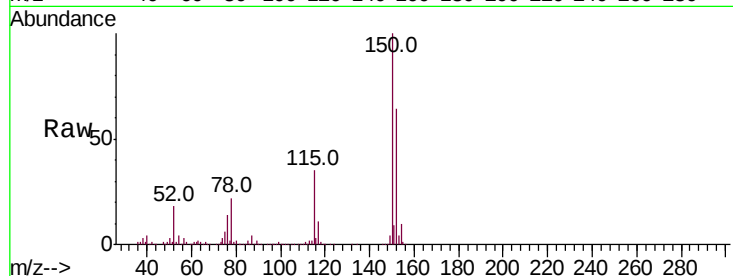
Tot Ion:152 Resp: 221196

Ion Ratio Lower Upper

152 100

115 55.2 38.0 114.0

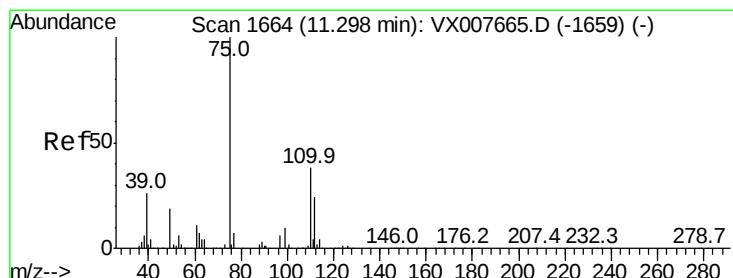
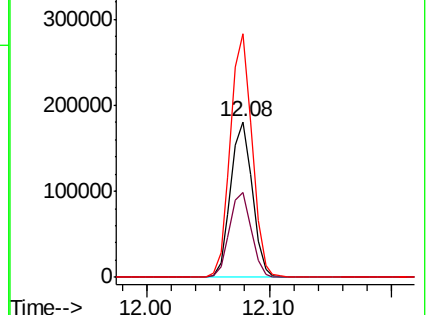
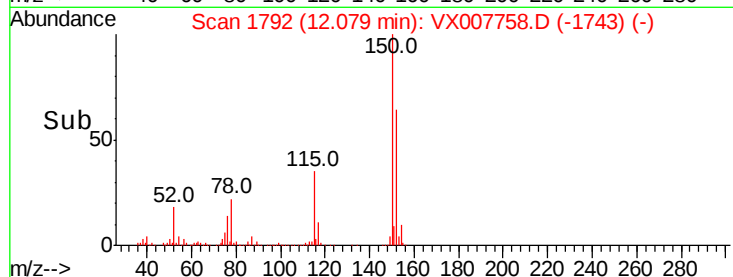
150 155.9 0.0 346.4



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: 22.080 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007758.D

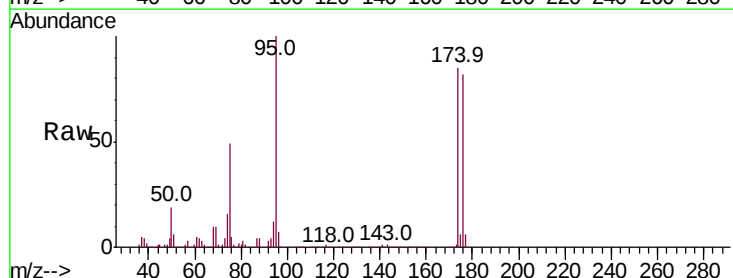
Acq: 28 Feb 2019 11:32

Tgt Ion: 75 Resp: 104103

Ion Ratio Lower Upper

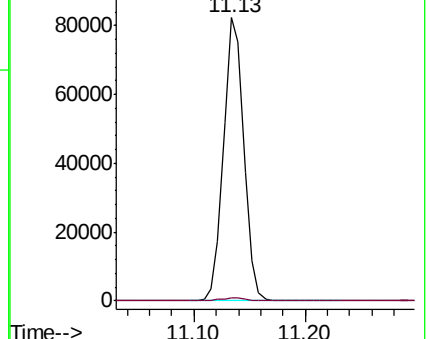
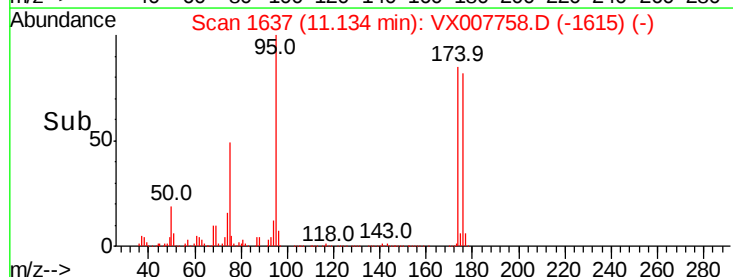
75 100

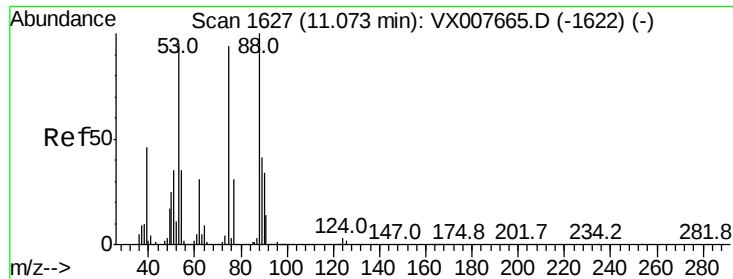
77 1.2 23.0 69.0#



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: 58.615 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007758.D

Acq: 28 Feb 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-TB-20190225

Tot Ion: 75 Resp: 104103

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.0 41.4 62.0#

