

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051319\
 Data File : VX009546.D
 Acq On : 13 May 2019 16:18
 Operator : JC/SP
 Sample : K2834-01RE
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-TB-20190509

Quant Time: May 14 03:45:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	187465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	300941	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	264433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113263	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	122265	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	
35) Dibromofluoromethane	5.50	113	91974	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	
50) Toluene-d8	8.71	98	377017	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
62) 4-Bromofluorobenzene	11.13	95	125010	45.04	ug/l	0.00
Spiked Amount			Recovery	=	90.08%	

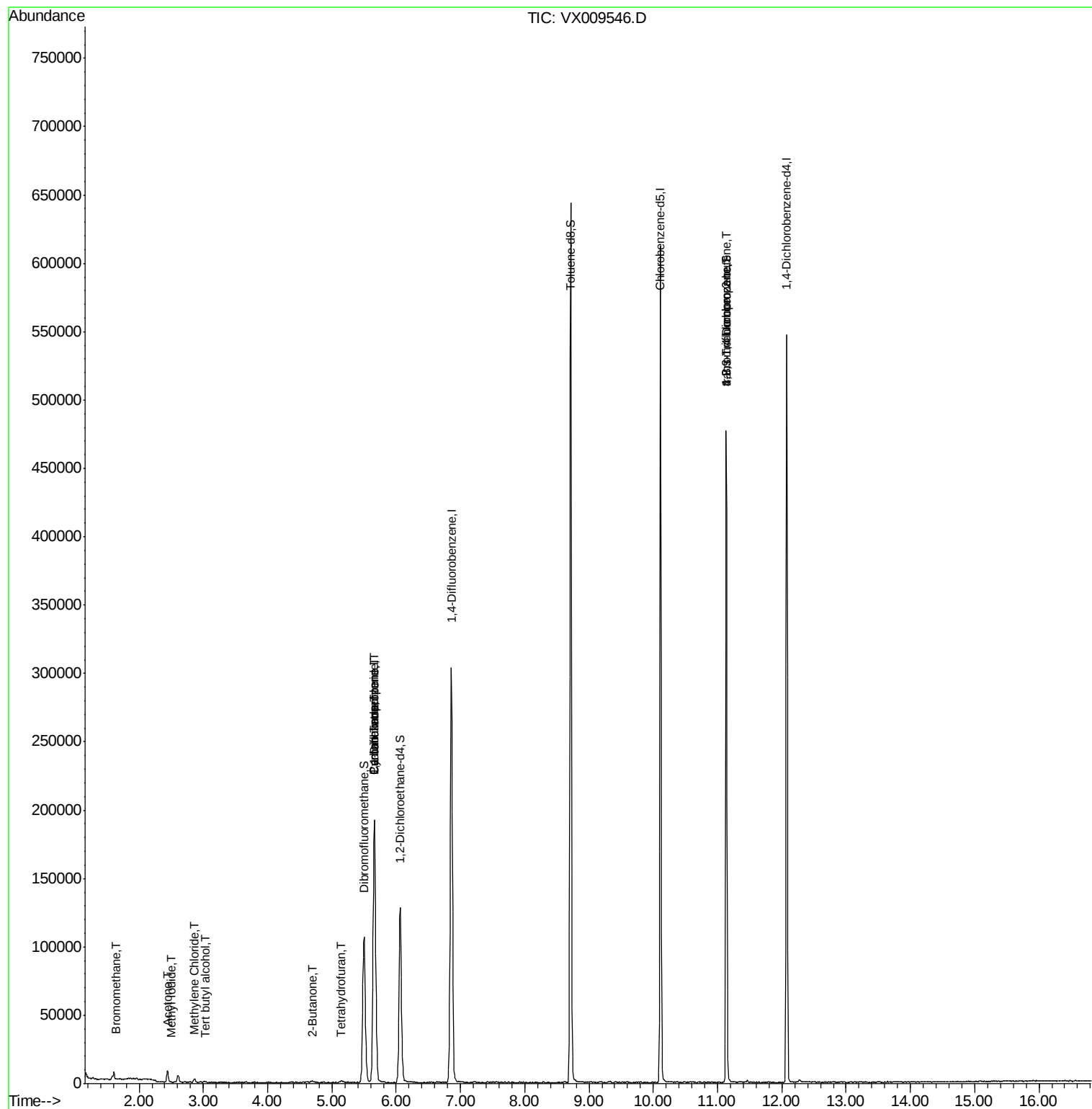
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	290	0.210	ug/l #	67
10) Methyl Iodide	2.51	142	49	4.616	ug/l #	42
11) Tert butyl alcohol	3.03	59	216	0.365	ug/l #	73
16) Acetone	2.44	43	9191	6.689	ug/l	98
20) Methylene Chloride	2.85	84	1300	0.584	ug/l #	82
25) 2-Butanone	4.70	43	1284	0.601	ug/l	97
28) Bromochloromethane	5.02	49	21	Below Cal	#	20
29) Tetrahydrofuran	5.15	42	1339	0.974	ug/l #	79
31) Cyclohexane	5.66	56	3905	1.032	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14641	5.235	ug/l #	51
38) Carbon Tetrachloride	5.67	117	17729	6.977	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	63066	24.004	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	63066	61.418	ug/l #	10

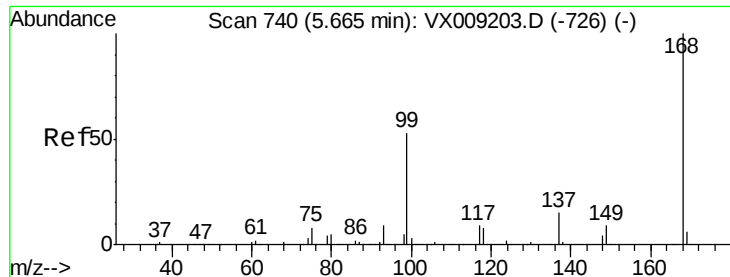
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009546.D

Acq: 13 May 2019 16:18

Instrument :

MSVOA_X

ClientSampleId :

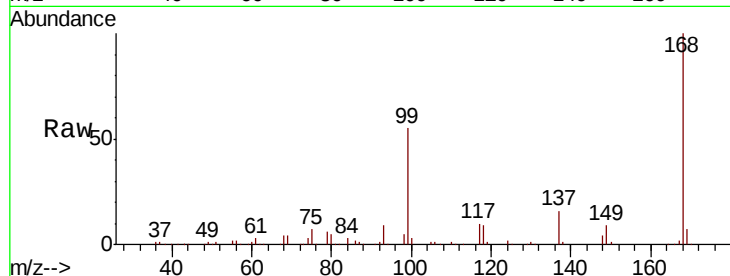
BP-VPB202-TB-20190509

Tot Ion:168 Resp: 187465

Ion Ratio Lower Upper

168 100

99 54.6 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

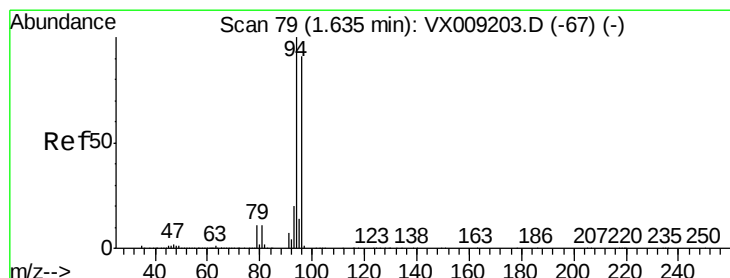
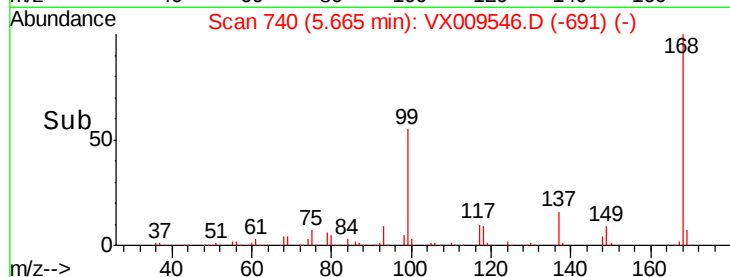
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.210 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX009546.D

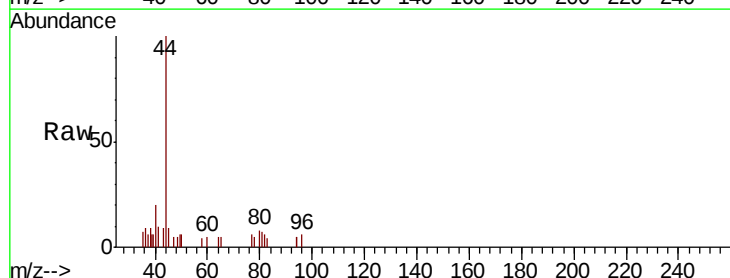
Acq: 13 May 2019 16:18

Tgt Ion: 94 Resp: 290

Ion Ratio Lower Upper

94 100

96 60.2 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

150 Ion 95.90 (95.60 to 96.60): VX0

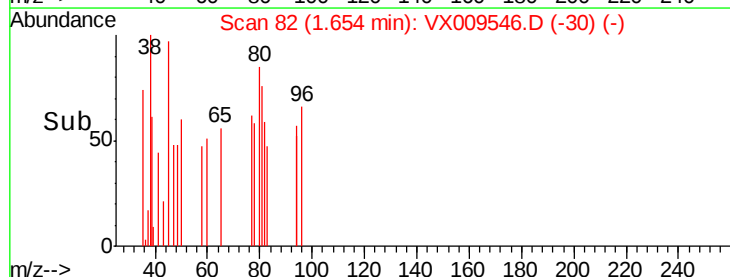
1.65

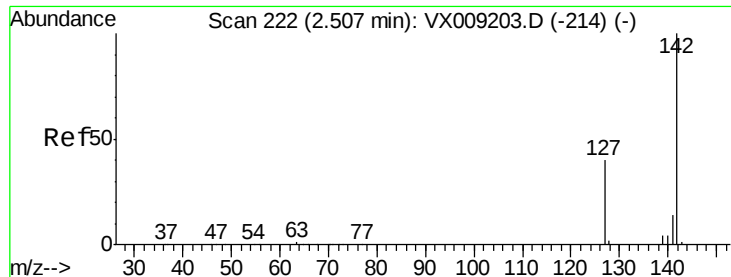
100

50

0

Time--> 1.65 1.70

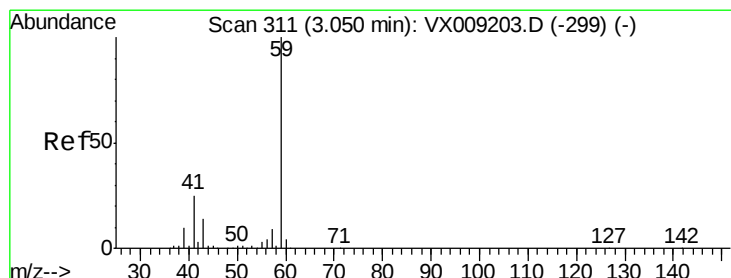
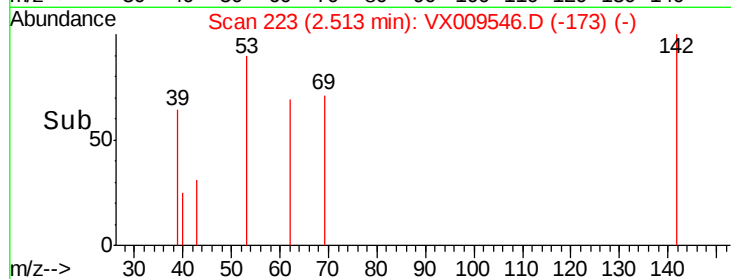
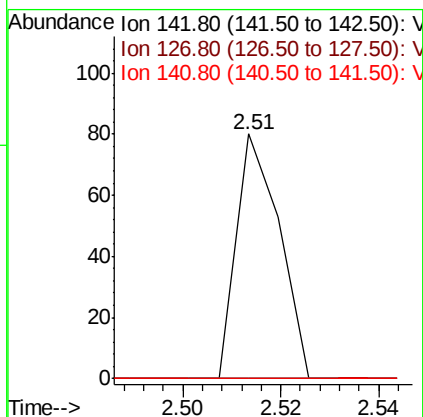
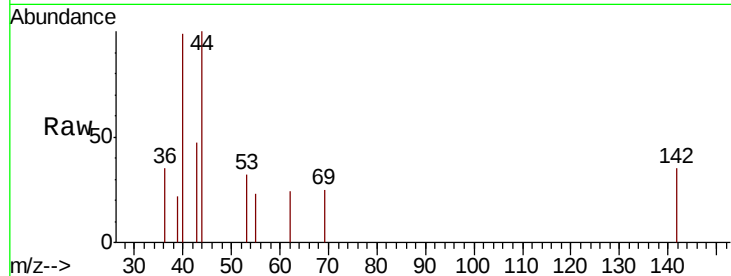




#10
Methyl Iodide
Concen: 4.616 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009546.D
Acq: 13 May 2019 16:18

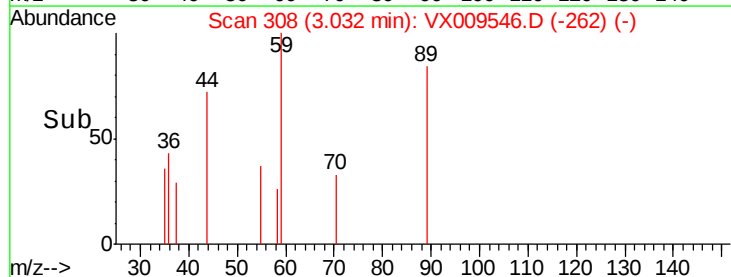
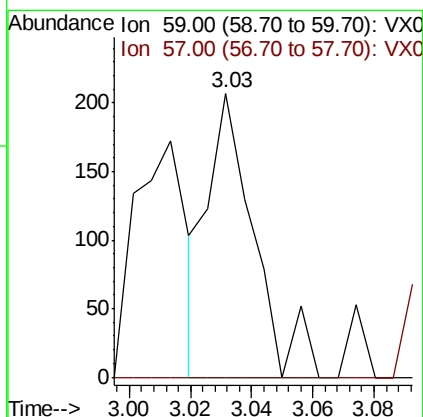
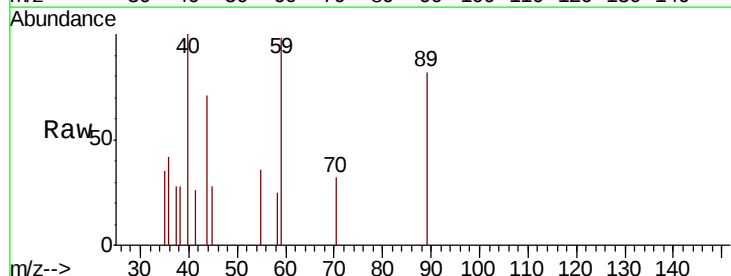
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-TB-20190509

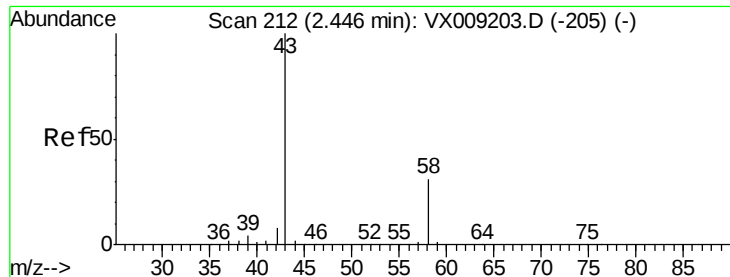
Tot Ion:142 Resp: 49
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.365 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX009546.D
Acq: 13 May 2019 16:18

Tgt Ion: 59 Resp: 216
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 6.689 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009546.D

Acq: 13 May 2019 16:18

Instrument :

MSVOA_X

ClientSampleId :

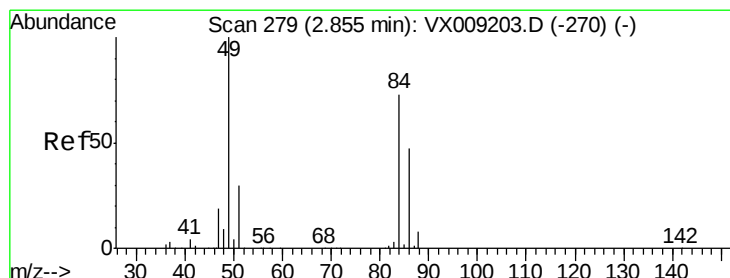
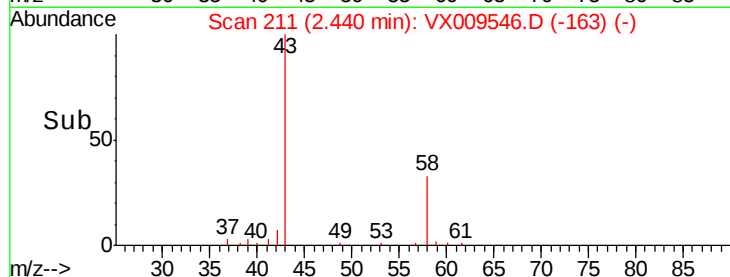
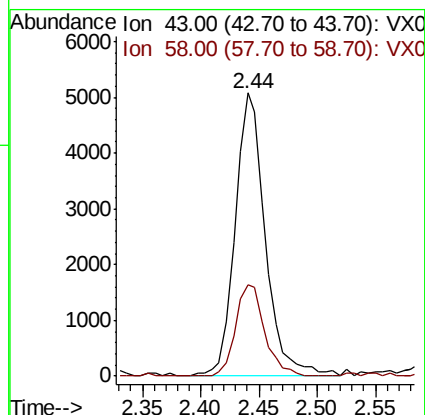
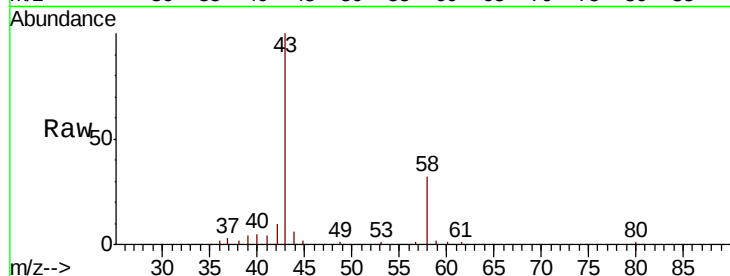
BP-VPB202-TB-20190509

Tot Ion: 43 Resp: 9191

Ion Ratio Lower Upper

43 100

58 32.3 24.9 37.3



#20

Methylene Chloride

Concen: 0.584 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX009546.D

Acq: 13 May 2019 16:18

Tgt Ion: 84 Resp: 1300

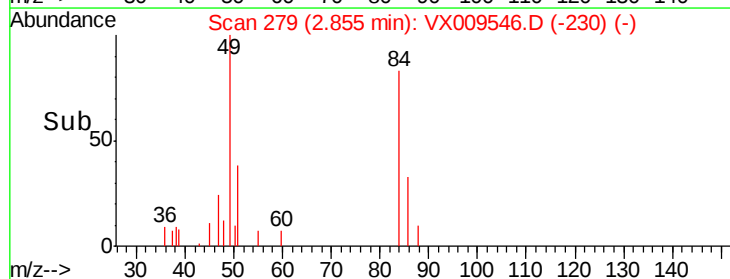
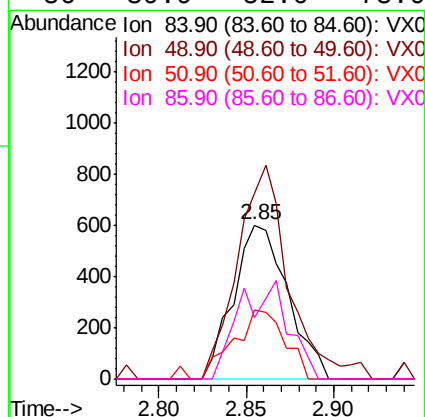
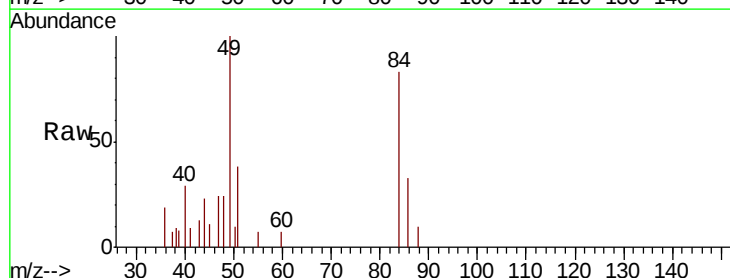
Ion Ratio Lower Upper

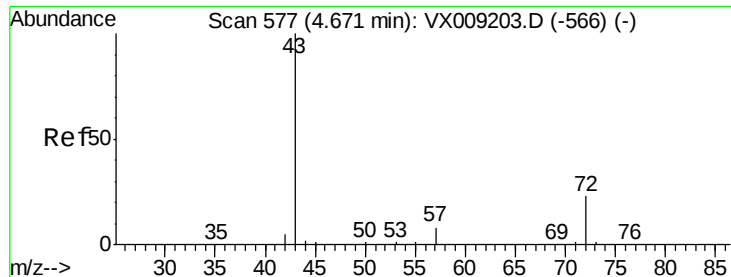
84 100

49 120.3 109.9 164.9

51 45.2 32.7 49.1

86 39.9 52.0 78.0#





#25

2-Butanone

Concen: 0.601 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.03 min

Lab File: VX009546.D

Acq: 13 May 2019 16:18

Instrument :

MSVOA_X

ClientSampleId :

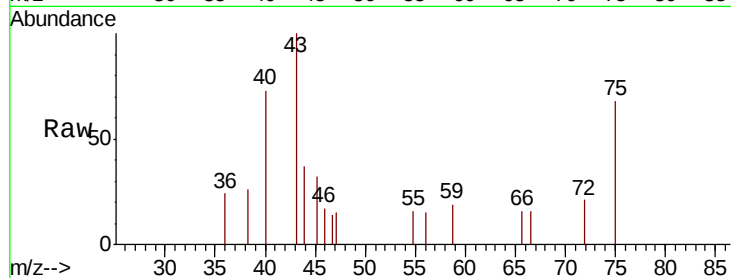
BP-VPB202-TB-20190509

Tot Ion: 43 Resp: 1284

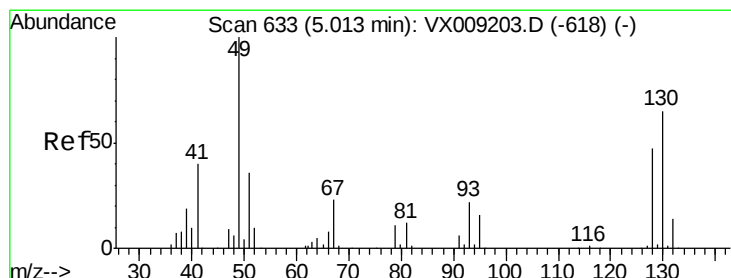
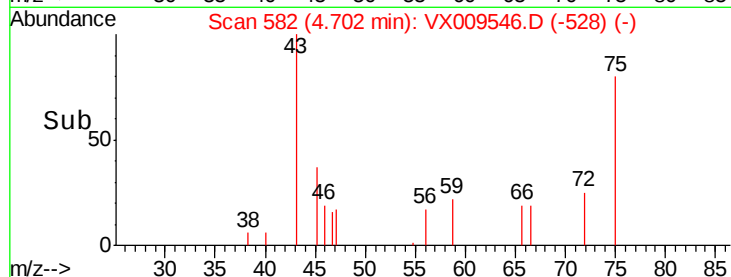
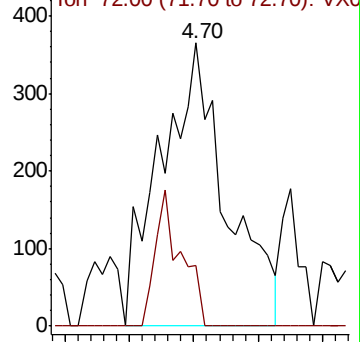
Ion Ratio Lower Upper

43 100

72 21.4 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX009546.D

Acq: 13 May 2019 16:18

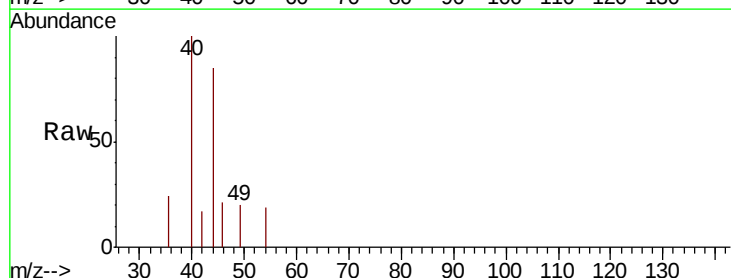
Tgt Ion: 49 Resp: 21

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

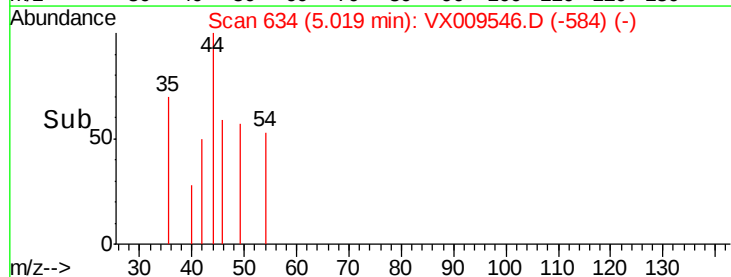
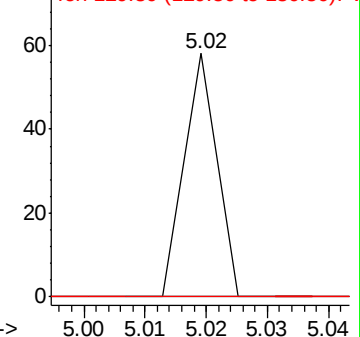
130 0.0 51.2 76.8#

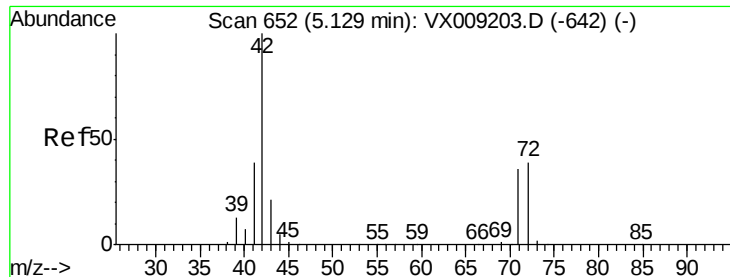


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 0.974 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX009546.D

Acq: 13 May 2019 16:18

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-TB-20190509

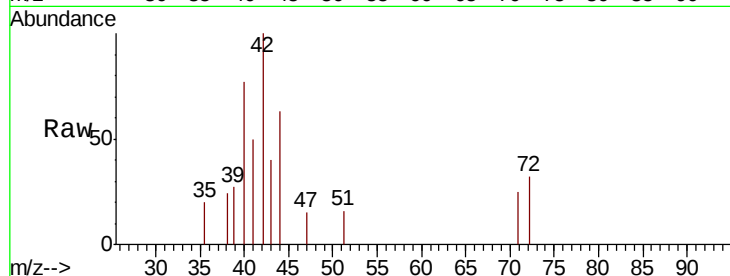
Tot Ion: 42 Resp: 1339

Ion Ratio Lower Upper

42 100

72 29.4 30.4 45.6#

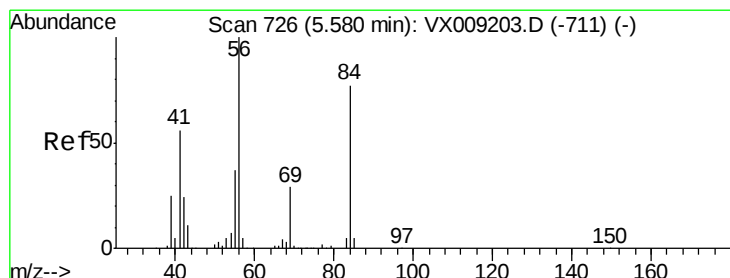
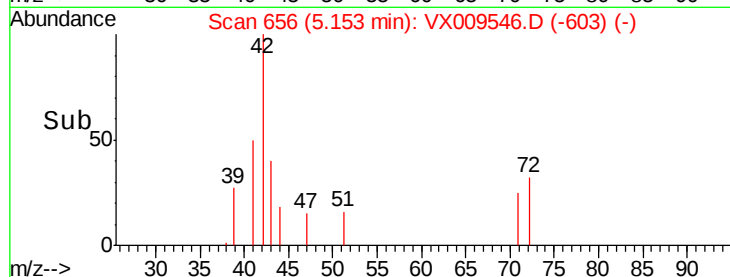
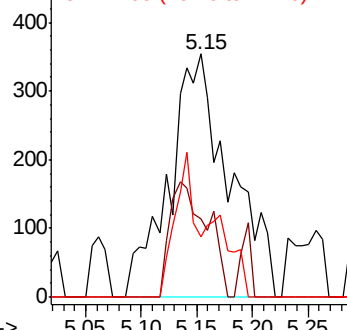
71 19.7 28.6 43.0#



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



#31

Cyclohexane

Concen: 1.032 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009546.D

Acq: 13 May 2019 16:18

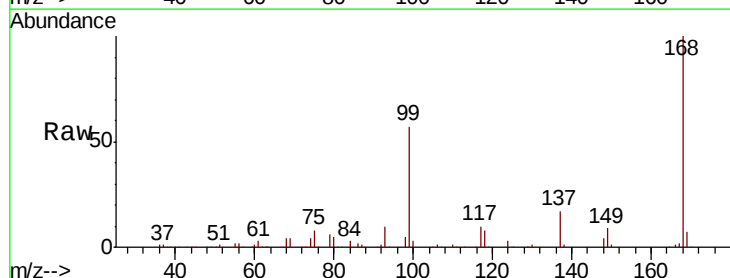
Tgt Ion: 56 Resp: 3905

Ion Ratio Lower Upper

56 100

69 166.6 23.4 35.0#

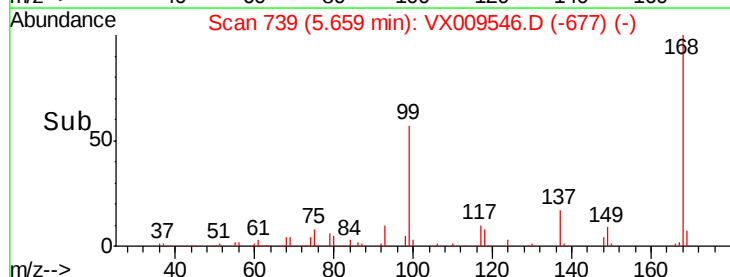
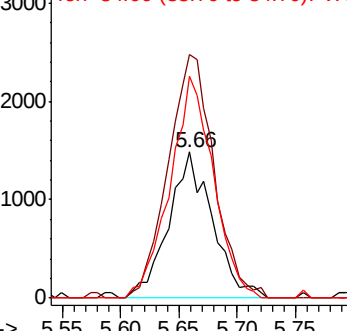
84 152.1 61.9 92.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

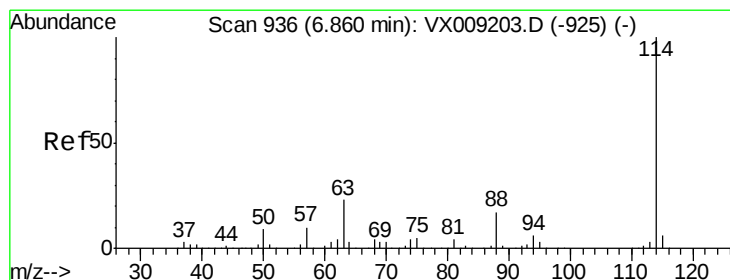
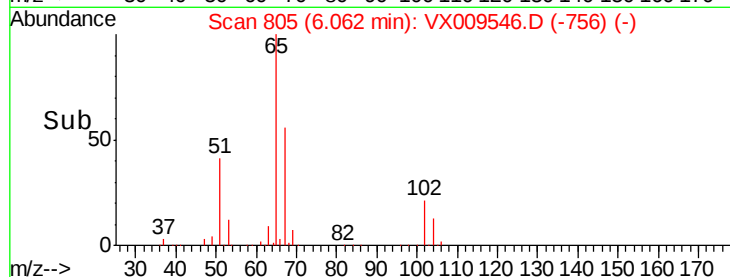
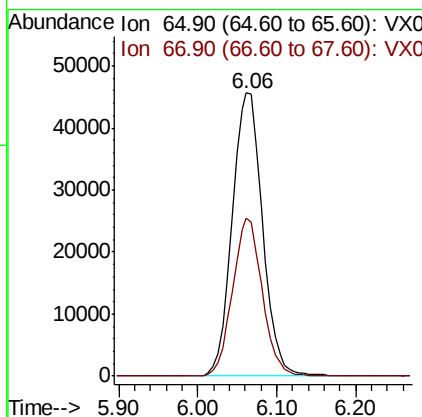
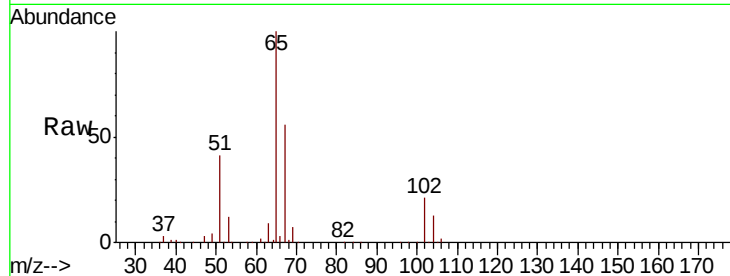




#33
 1,2-Dichloroethane-d4
 Concen: 47.776 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009546.D
 Acq: 13 May 2019 16:18

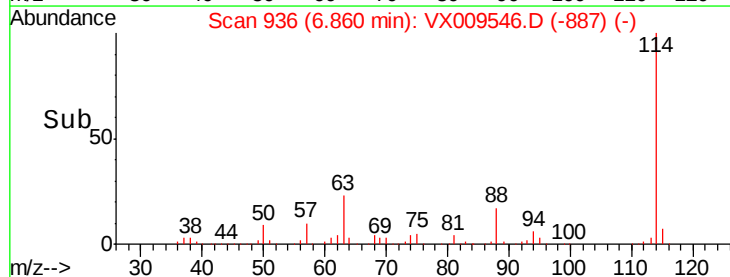
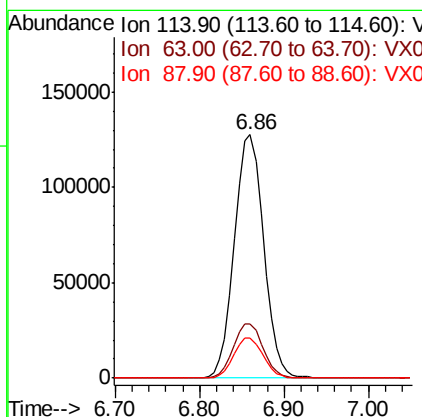
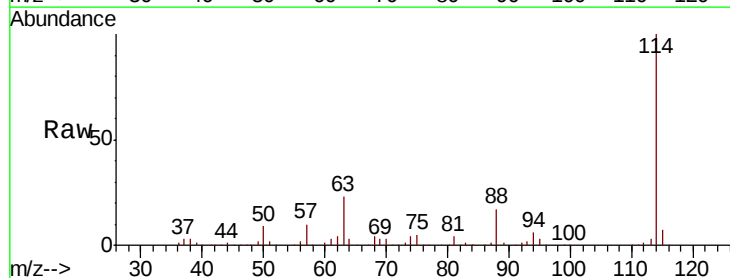
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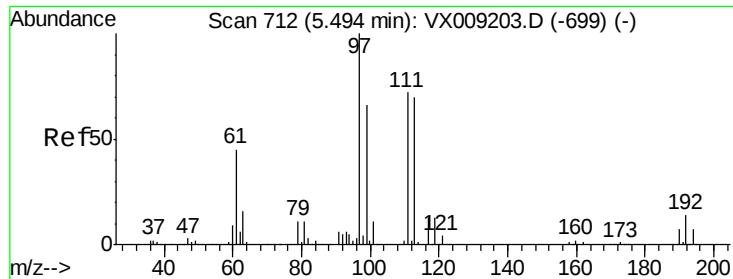
Tot Ion: 65 Resp: 122265
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009546.D
 Acq: 13 May 2019 16:18

Tgt Ion: 114 Resp: 300941
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.6
 88 16.5 0.0 33.2

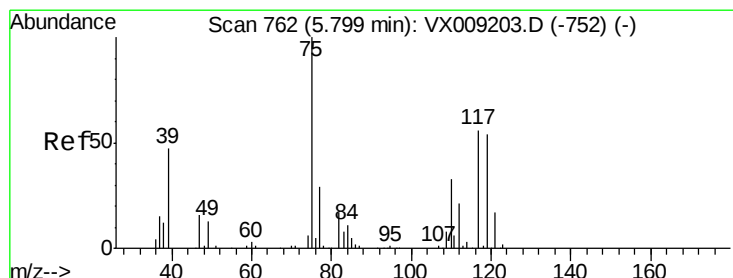
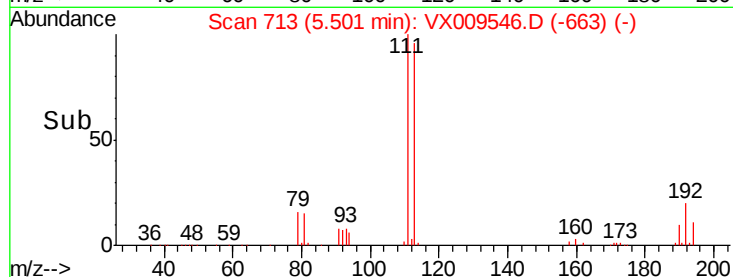
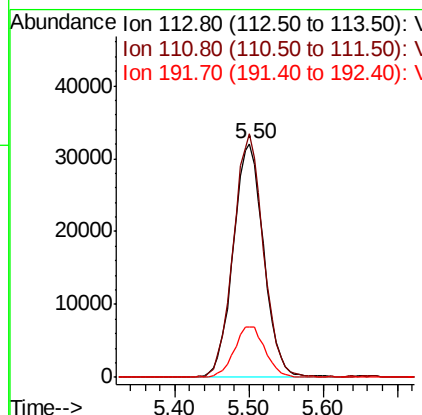
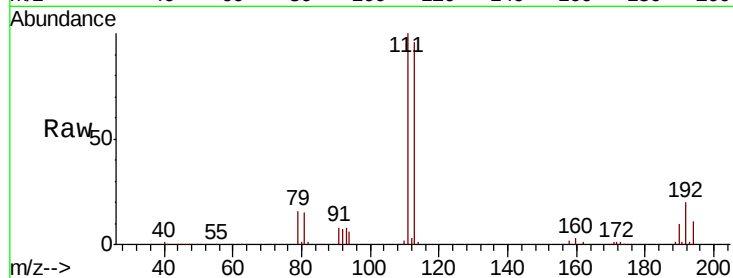




#35
 Dibromofluoromethane
 Concen: 48.616 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009546.D
 Acq: 13 May 2019 16:18

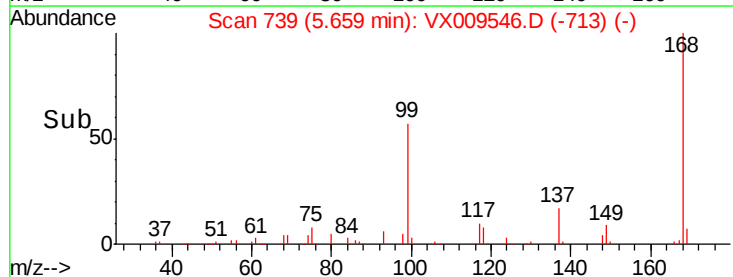
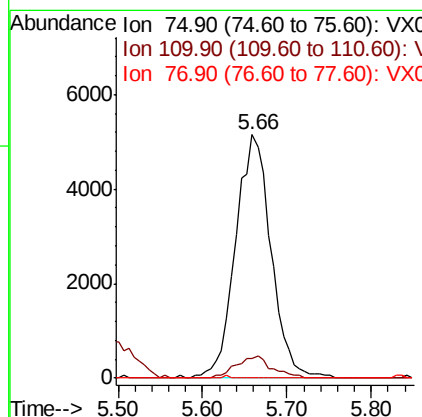
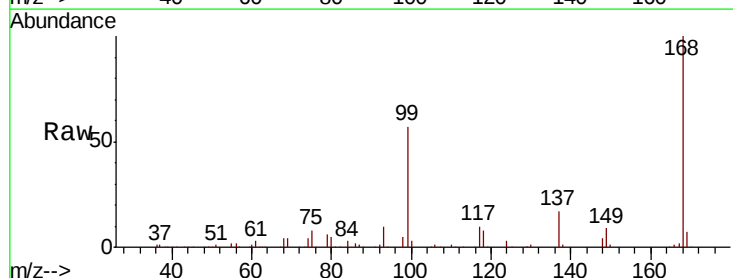
Instrument :
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 ClientSampleId :
 BP-VPB202-TB-20190509

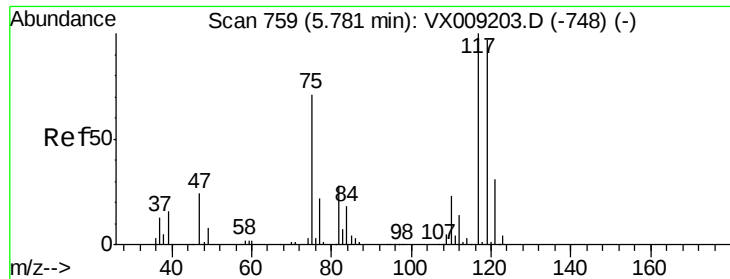
Tot Ion:113 Resp: 91974
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.8 124.2
 192 21.9 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.235 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009546.D
 Acq: 13 May 2019 16:18

Tgt Ion: 75 Resp: 14641
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.977 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009546.D

Acq: 13 May 2019 16:18

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-TB-20190509

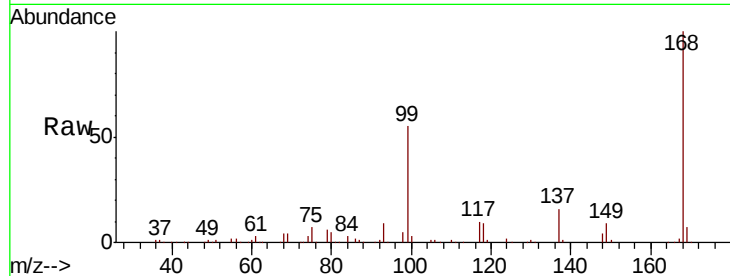
Tot Ion:117 Resp: 17729

Ion Ratio Lower Upper

117 100

119 5.8 77.5 116.3#

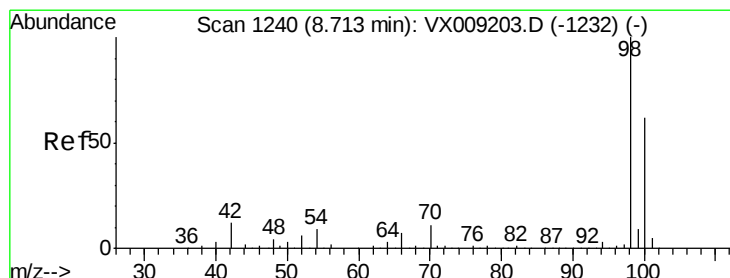
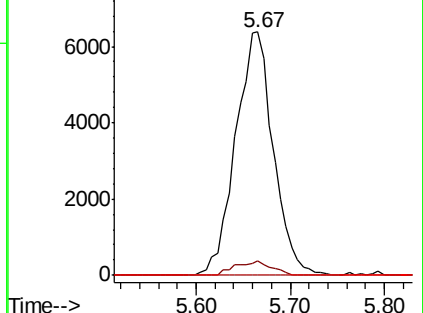
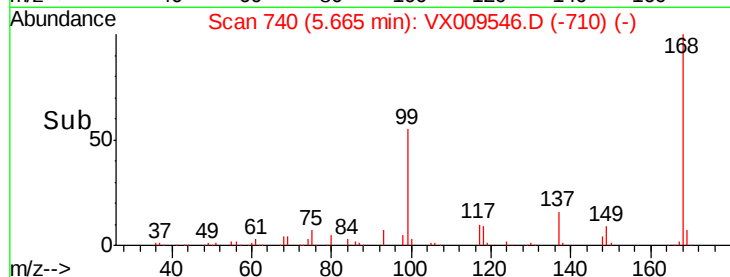
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 49.362 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009546.D

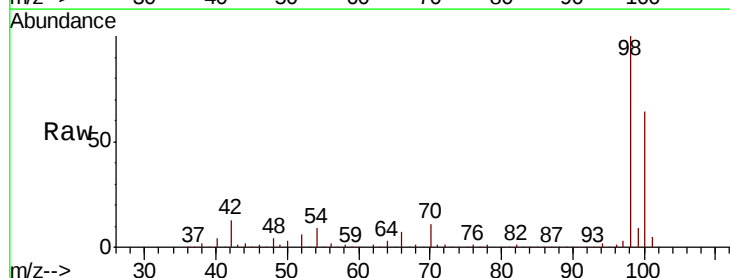
Acq: 13 May 2019 16:18

Tgt Ion: 98 Resp: 377017

Ion Ratio Lower Upper

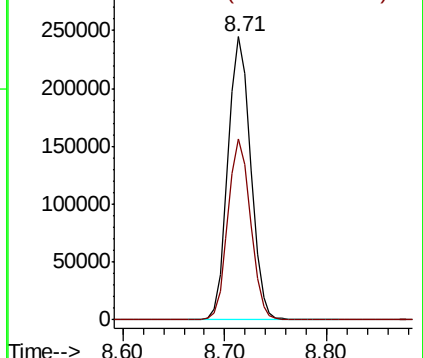
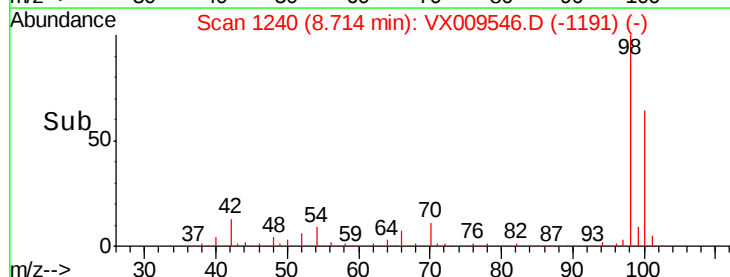
98 100

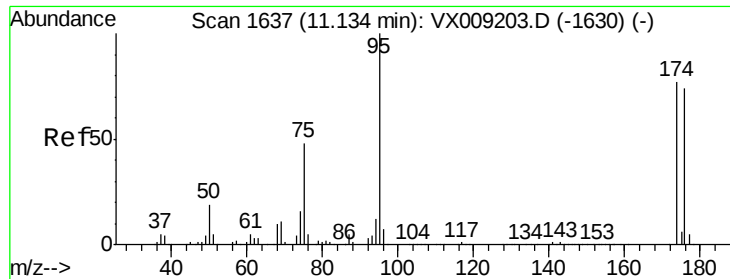
100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.044 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009546.D

Acq: 13 May 2019 16:18

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-TB-20190509

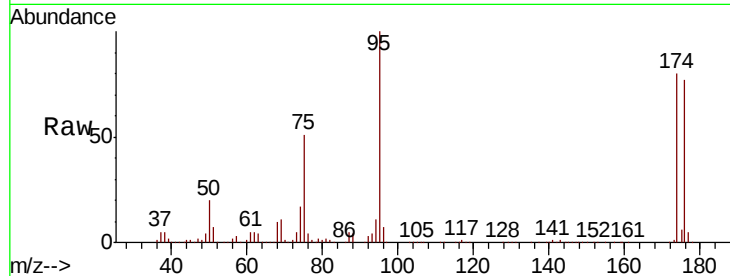
Tot Ion: 95 Resp: 125010

Ion Ratio Lower Upper

95 100

174 83.1 0.0 161.6

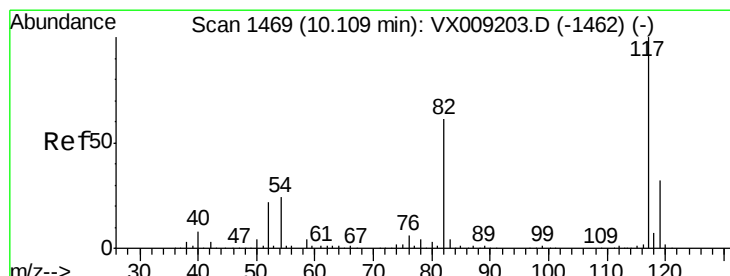
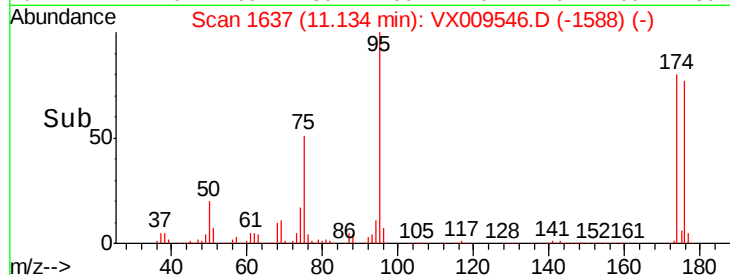
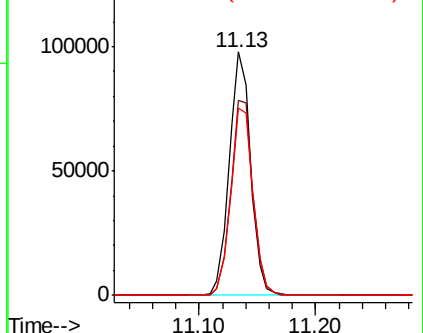
176 80.1 0.0 159.2



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: VX009546.D

Acq: 13 May 2019 16:18

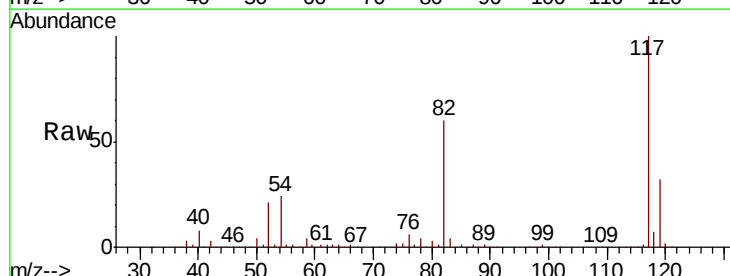
Tgt Ion: 117 Resp: 264433

Ion Ratio Lower Upper

117 100

82 59.9 48.8 73.2

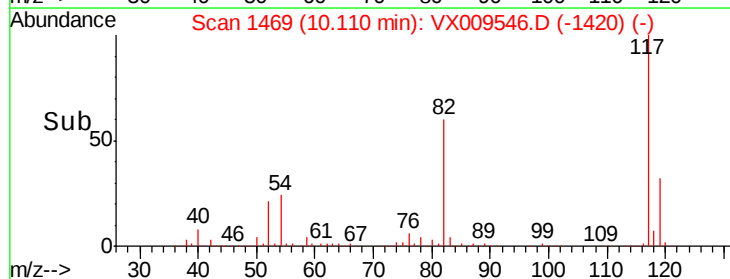
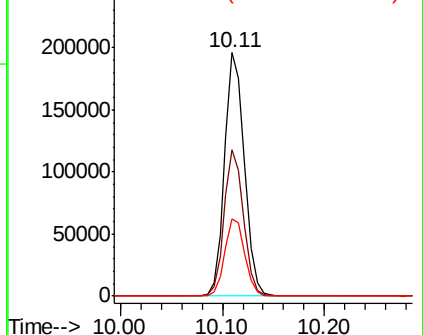
119 31.8 25.8 38.6

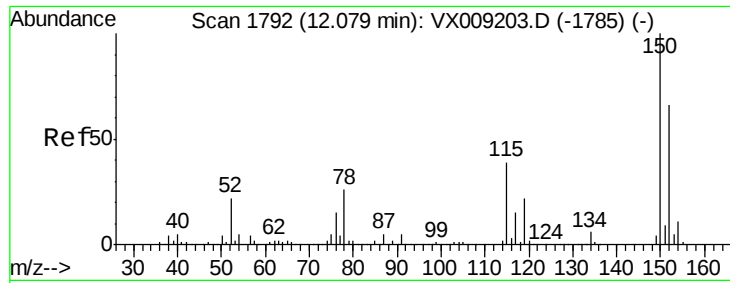


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX009546.D

Acq: 13 May 2019 16:18

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-TB-20190509

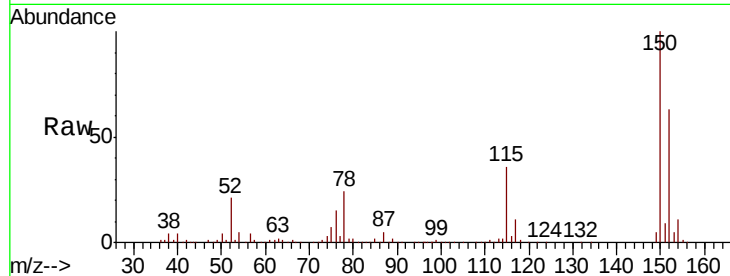
Tot Ion:152 Resp: 113263

Ion Ratio Lower Upper

152 100

115 58.5 41.2 123.6

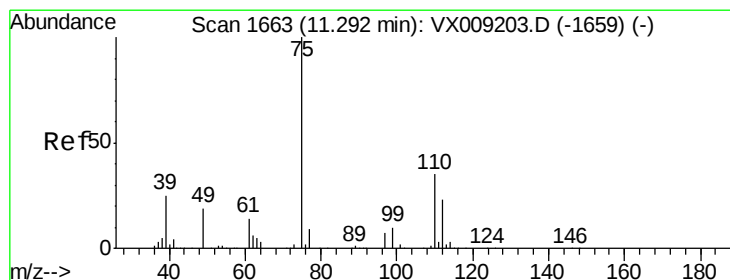
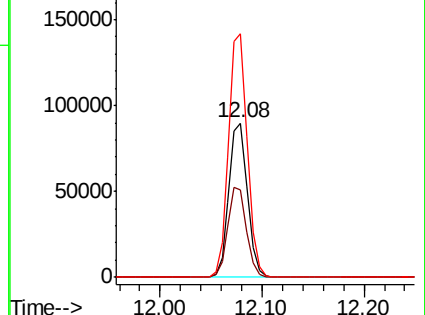
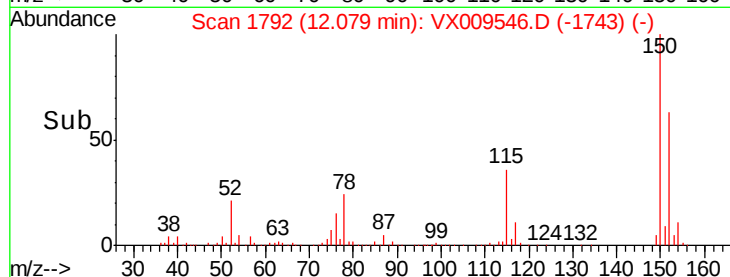
150 158.0 0.0 346.4



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



#76

1,2,3-Trichloropropane

Concen: 24.004 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009546.D

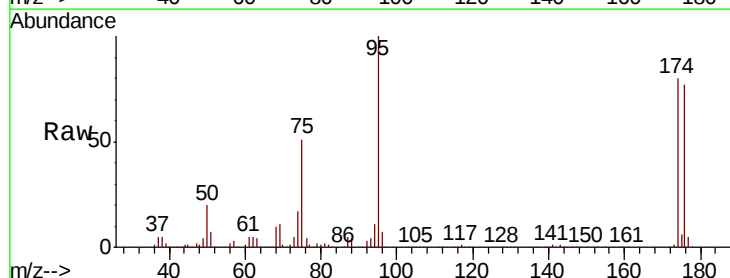
Acq: 13 May 2019 16:18

Tgt Ion: 75 Resp: 63066

Ion Ratio Lower Upper

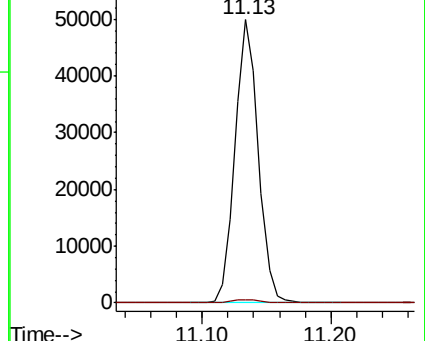
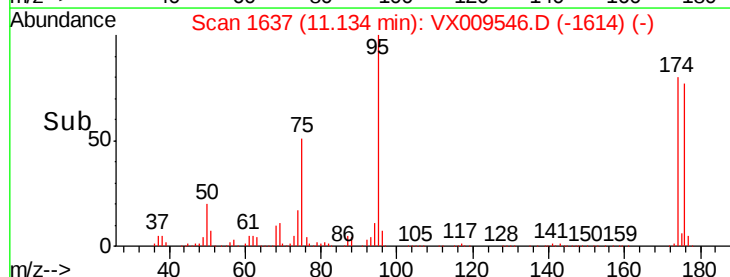
75 100

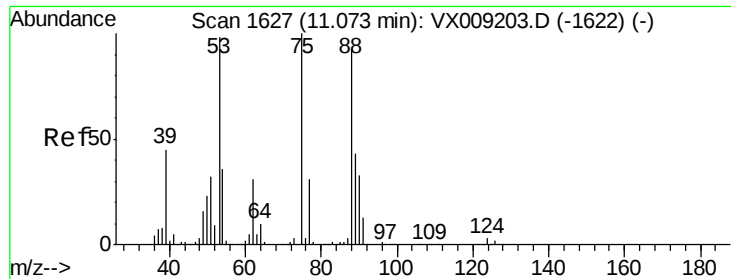
77 1.4 22.1 66.1#



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: 61.418 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009546.D

Acq: 13 May 2019 16:18

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-TB-20190509

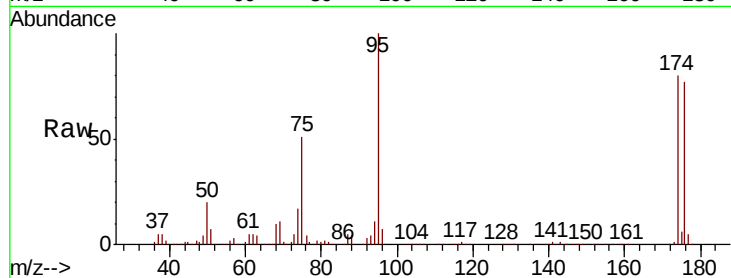
Tot Ion: 75 Resp: 63066

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

89 0.0 34.7 52.1#



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

