

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031219\
 Data File : VX008029.D
 Acq On : 12 Mar 2019 21:00
 Operator : JC/SP
 Sample : K1840-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-685-687

Quant Time: Mar 13 05:23:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

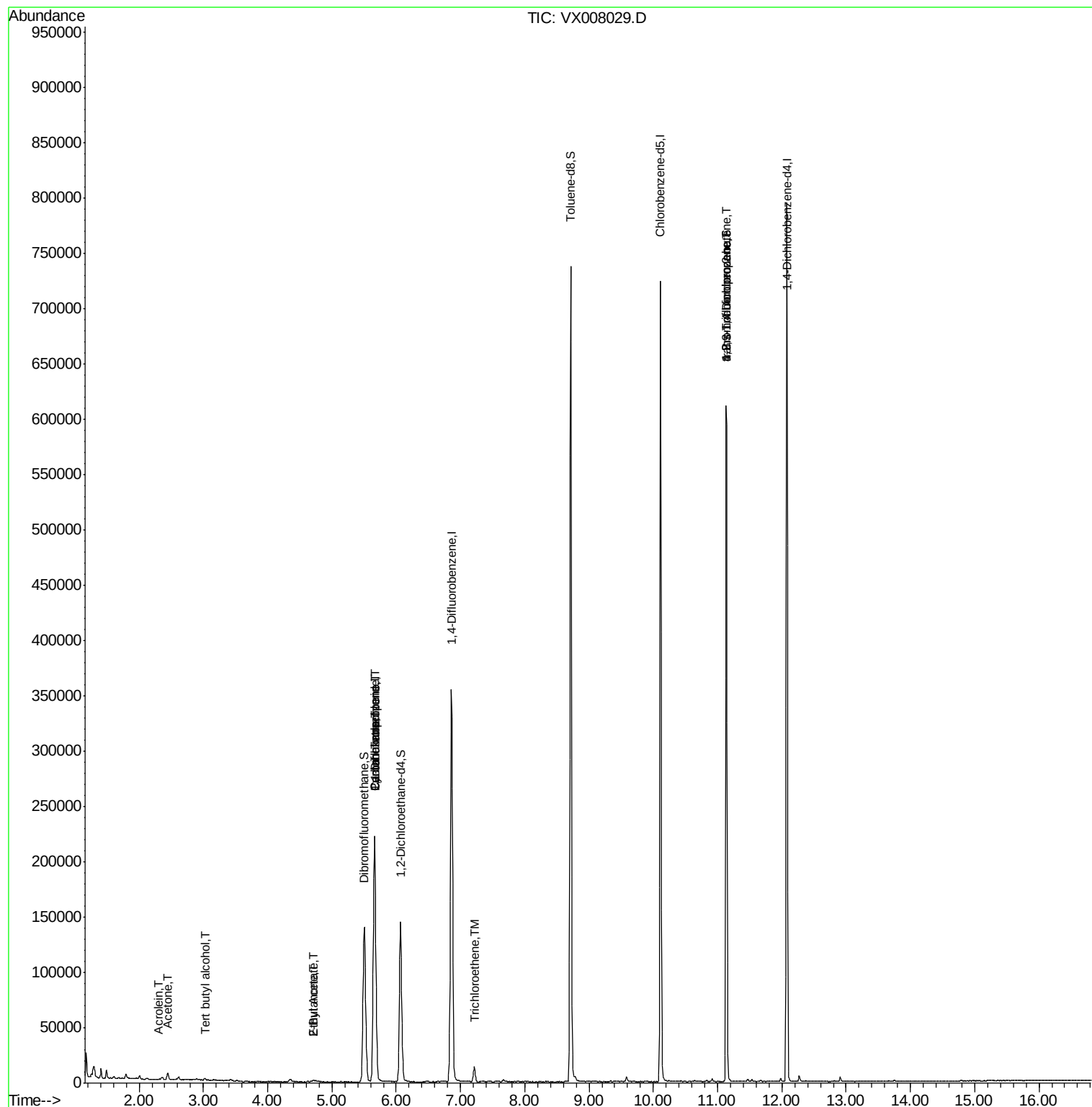
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	232471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	367526	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	353103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	171691	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	132586	54.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.12%	
35) Dibromofluoromethane	5.51	113	121846	51.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.66%	
50) Toluene-d8	8.71	98	450246	52.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.30%	
62) 4-Bromofluorobenzene	11.13	95	166289	54.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.86%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.65	94	102	Below Cal		83
11) Tert butyl alcohol	3.02	59	1095	1.997 ug/l #		82
13) Acrolein	2.30	56	143	1.999 ug/l #		40
16) Acetone	2.45	43	6871	4.841 ug/l		94
17) Carbon Disulfide	2.57	76	751	Below Cal		97
25) 2-Butanone	4.71	43	2072	1.031 ug/l		100
31) Cyclohexane	5.67	56	3512	0.932 ug/l #		1
36) 1,1-Dichloropropene	5.67	75	14388	4.323 ug/l #		49
37) Ethyl Acetate	4.71	43	2072	0.525 ug/l #		68
38) Carbon Tetrachloride	5.67	117	19671	6.226 ug/l #		17
44) Trichloroethene	7.21	130	5692	2.085 ug/l		90
76) 1,2,3-Trichloropropane	11.13	75	75879	21.061 ug/l #		39
81) trans-1,4-Dichloro-2-buten	11.13	75	75879	67.322 ug/l #		11

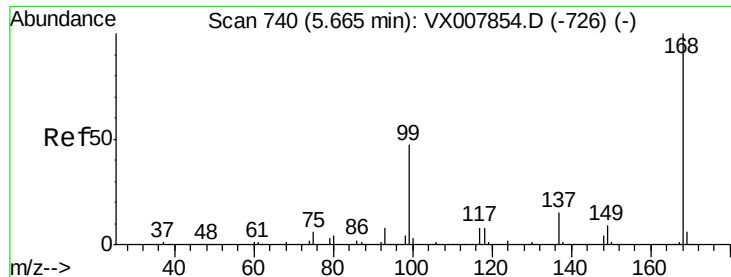
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 07 07:33:26 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: VX008029.D

Acq: 12 Mar 2019 21:00

Instrument :

MSVOA_X

ClientSampleId :

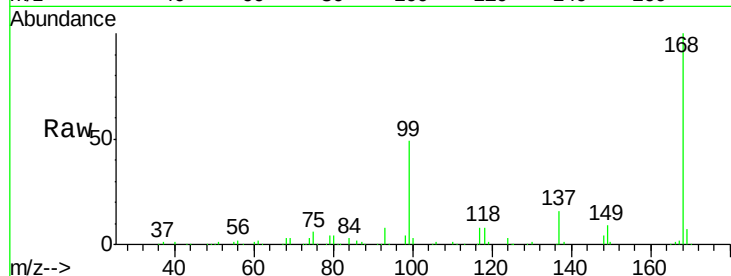
BP-VPB201-GW-685-687

Tot Ion:168 Resp: 232471

Ion Ratio Lower Upper

168 100

99 48.9 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

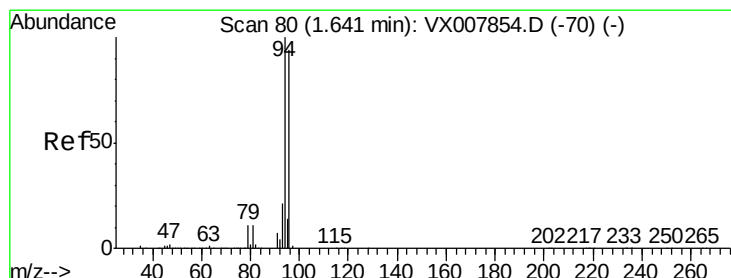
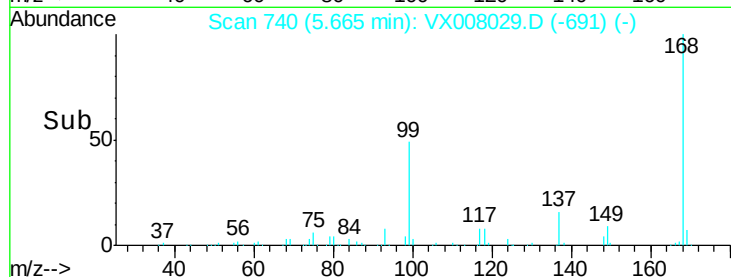
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008029.D

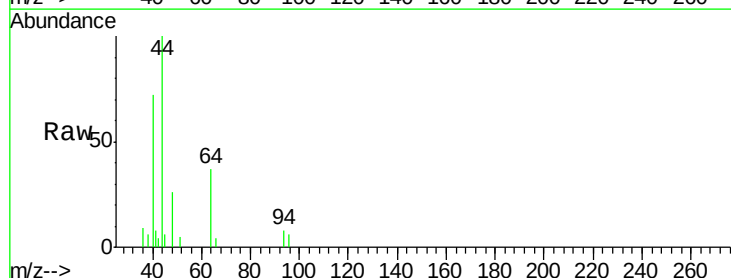
Acq: 12 Mar 2019 21:00

Tgt Ion: 94 Resp: 102

Ion Ratio Lower Upper

94 100

96 78.1 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

120

100

80

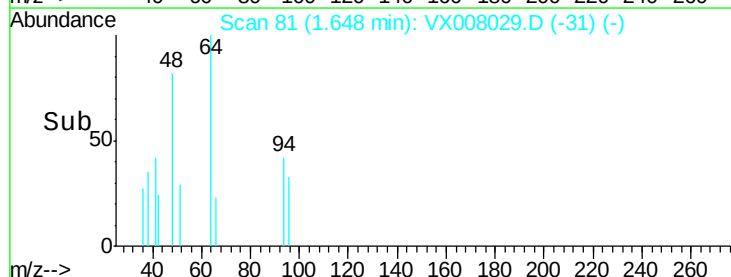
60

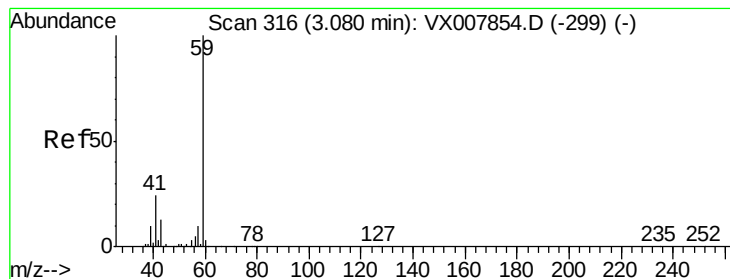
40

20

0

Time--> 1.62 1.64 1.66 1.68





#11

Tert butyl alcohol

Concen: 1.997 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX008029.D

Acq: 12 Mar 2019 21:00

Instrument :

MSVOA_X

ClientSampleId :

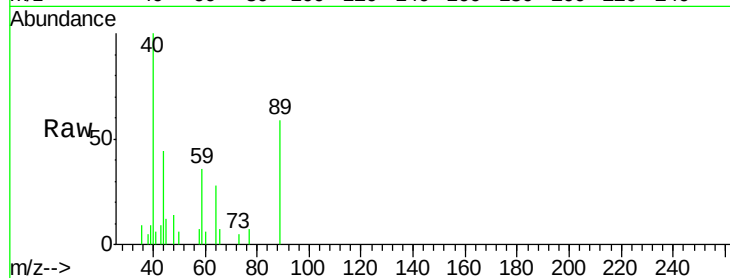
BP-VPB201-GW-685-687

Tot Ion: 59 Resp: 1095

Ion Ratio Lower Upper

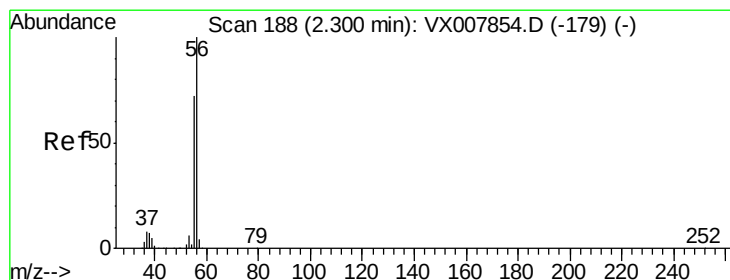
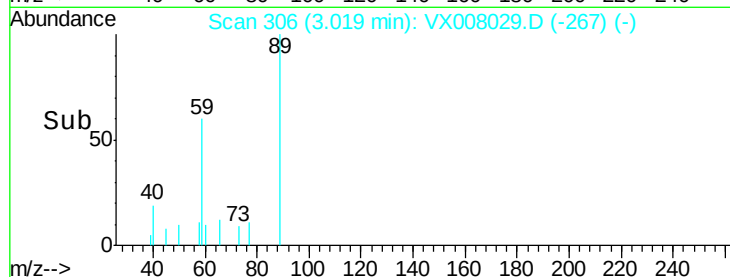
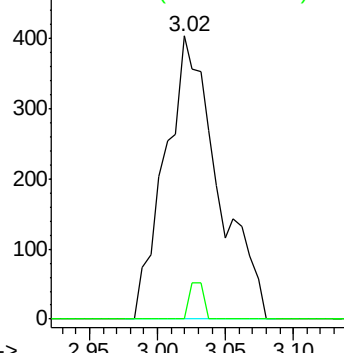
59 100

57 3.4 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 1.999 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX008029.D

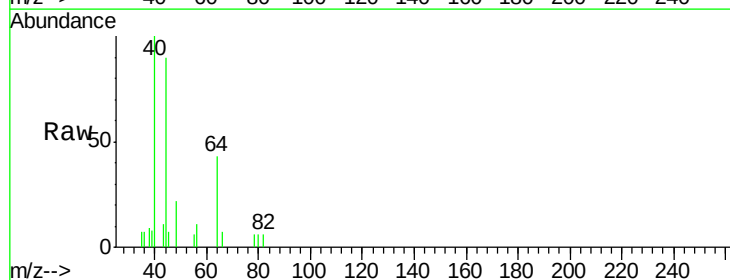
Acq: 12 Mar 2019 21:00

Tgt Ion: 56 Resp: 143

Ion Ratio Lower Upper

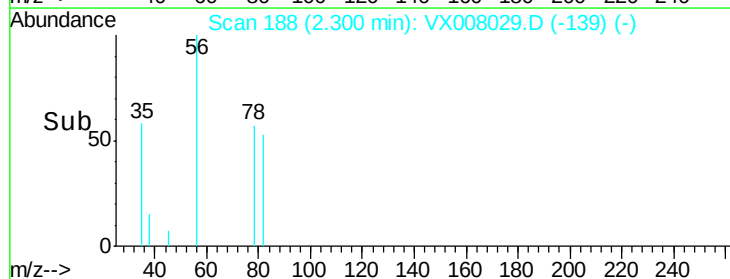
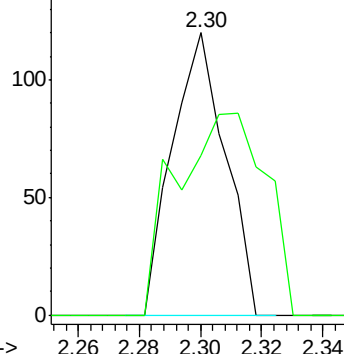
56 100

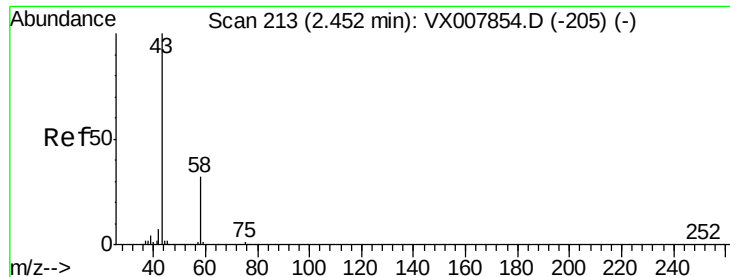
55 122.4 57.8 86.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 4.841 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX008029.D

Acq: 12 Mar 2019 21:00

Instrument :

MSVOA_X

ClientSampleId :

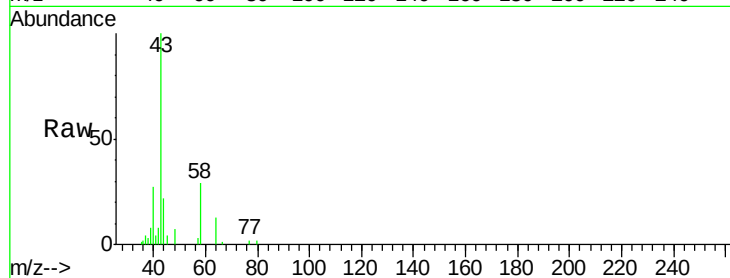
BP-VPB201-GW-685-687

Tot Ion: 43 Resp: 6871

Ion Ratio Lower Upper

43 100

58 28.8 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

4000

3000

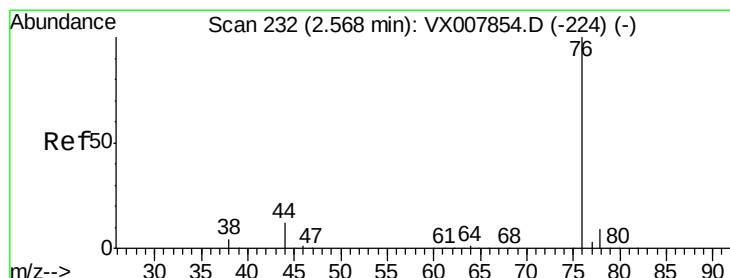
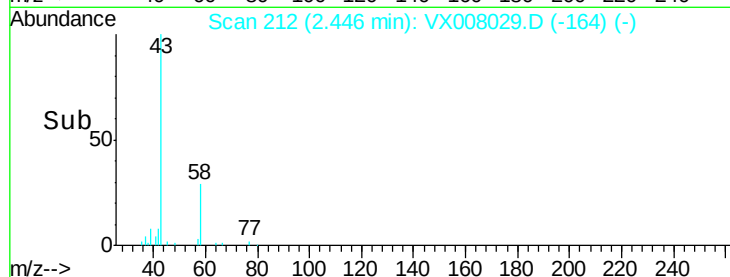
2000

1000

0

2.35 2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008029.D

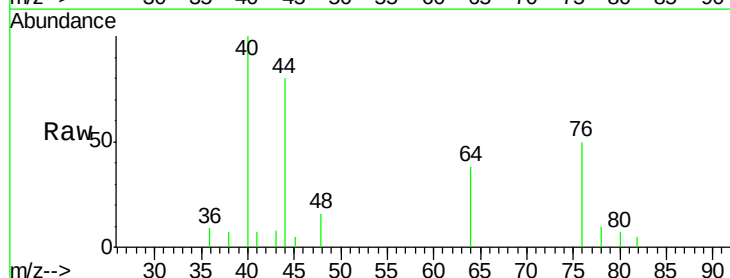
Acq: 12 Mar 2019 21:00

Tgt Ion: 76 Resp: 751

Ion Ratio Lower Upper

76 100

78 10.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

600

500

400

300

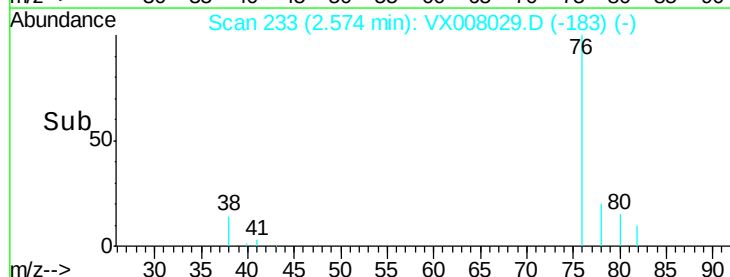
200

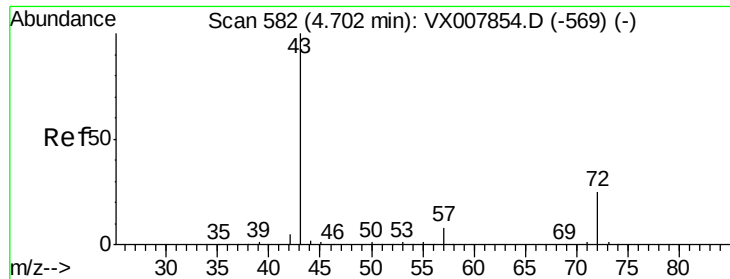
100

0

2.55 2.60

Time-->





#25

2-Butanone

Concen: 1.031 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX008029.D

Acq: 12 Mar 2019 21:00

Instrument :

MSVOA_X

ClientSampleId :

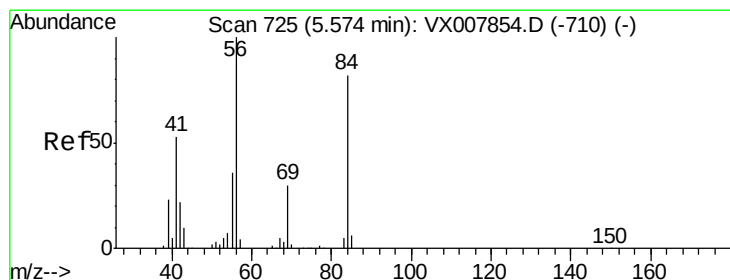
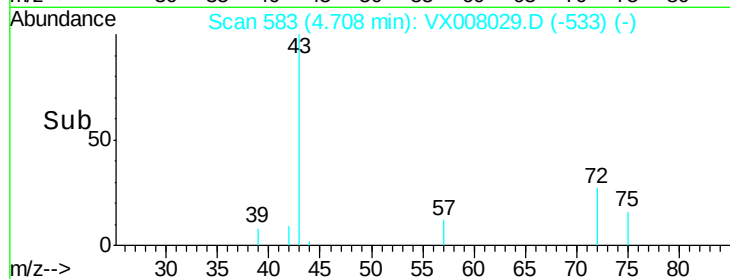
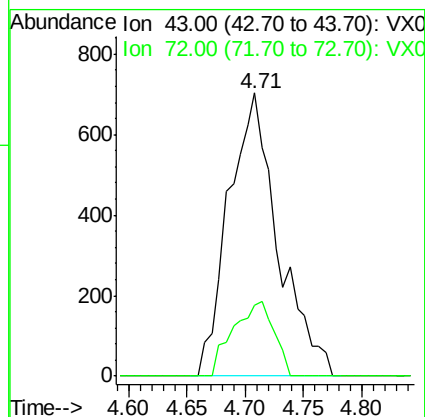
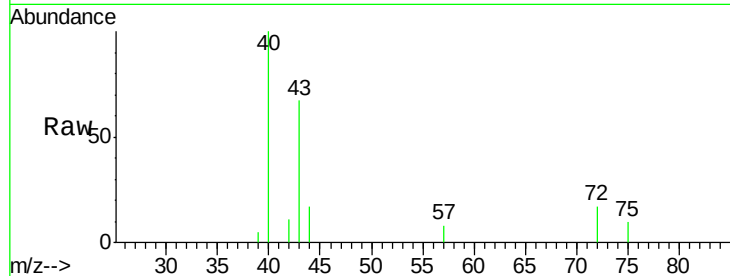
BP-VPB201-GW-685-687

Tot Ion: 43 Resp: 2072

Ion Ratio Lower Upper

43 100

72 24.9 19.9 29.9



#31

Cyclohexane

Concen: 0.932 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008029.D

Acq: 12 Mar 2019 21:00

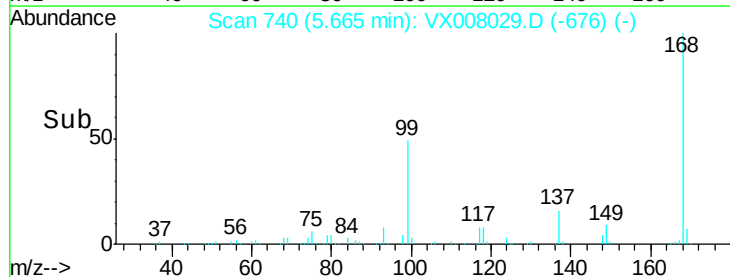
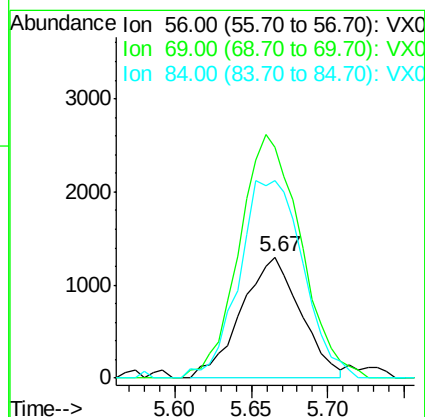
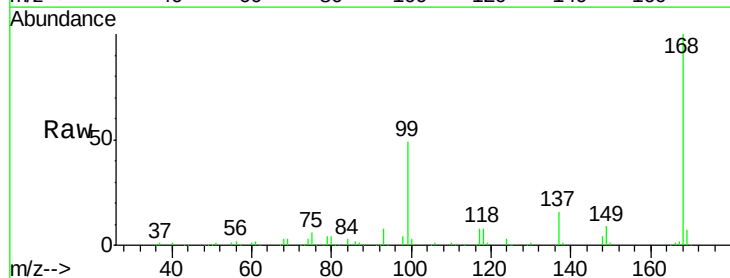
Tgt Ion: 56 Resp: 3512

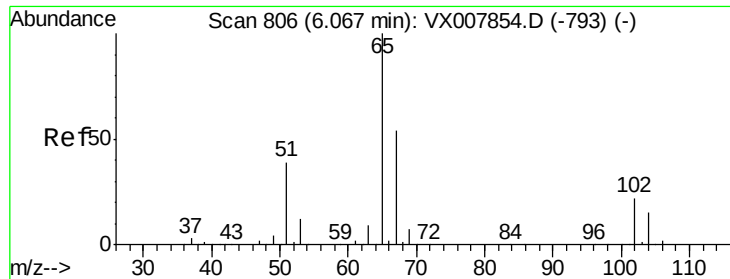
Ion Ratio Lower Upper

56 100

69 183.9 24.0 36.0#

84 154.9 65.3 97.9#

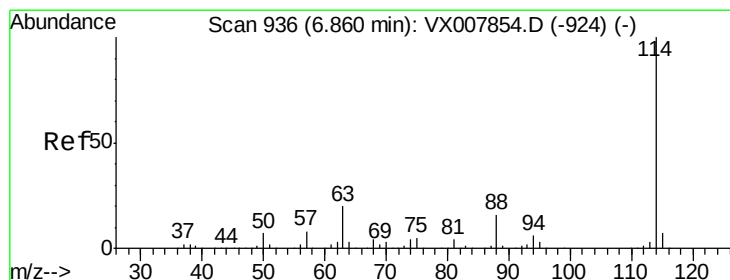
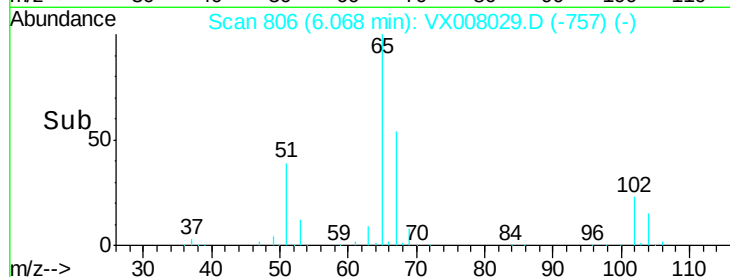
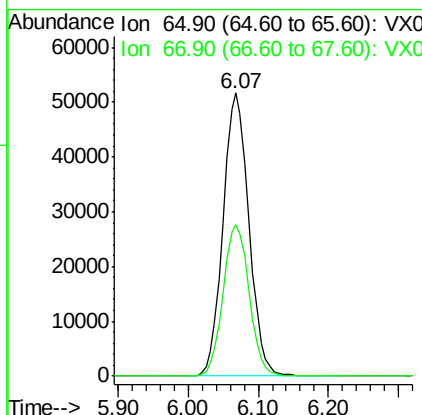
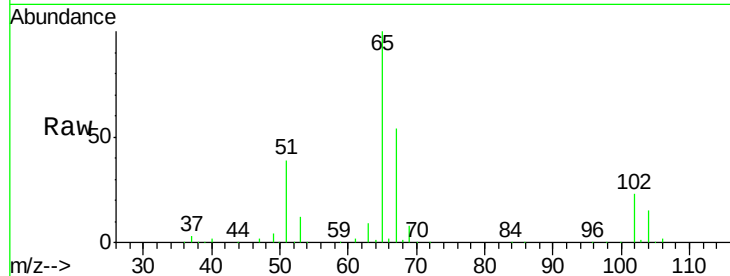




#33
 1,2-Dichloroethane-d4
 Concen: 54.065 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX008029.D
 Acq: 12 Mar 2019 21:00

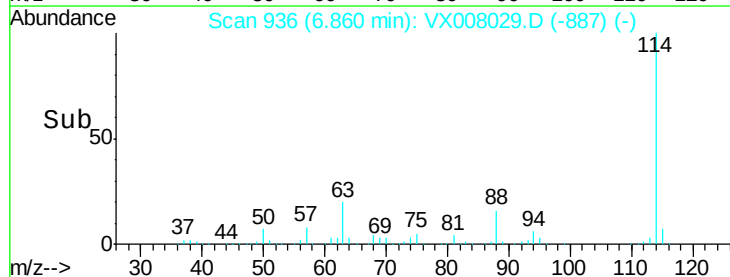
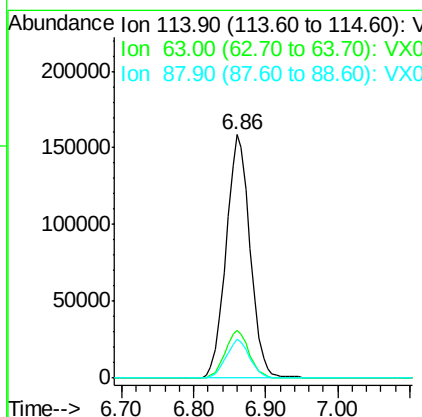
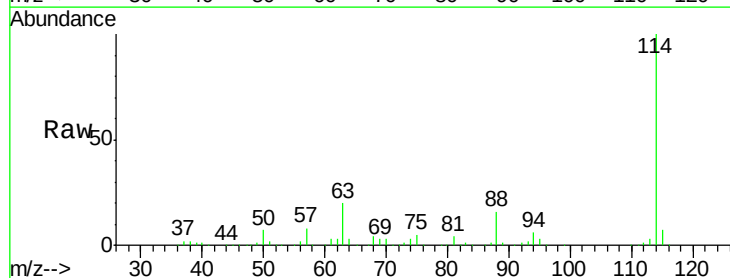
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-685-687

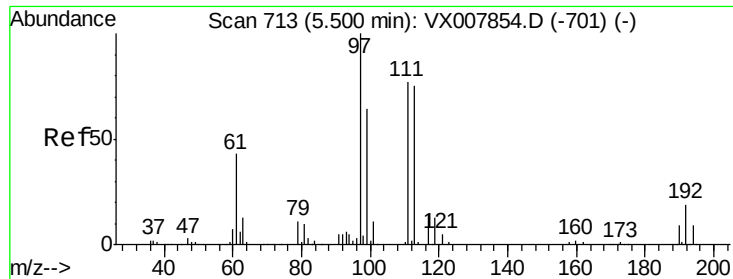
Tot Ion: 65 Resp: 132586
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008029.D
 Acq: 12 Mar 2019 21:00

Tgt Ion: 114 Resp: 367526
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.9 0.0 31.4

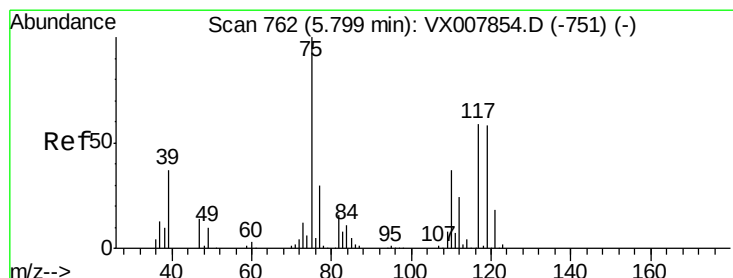
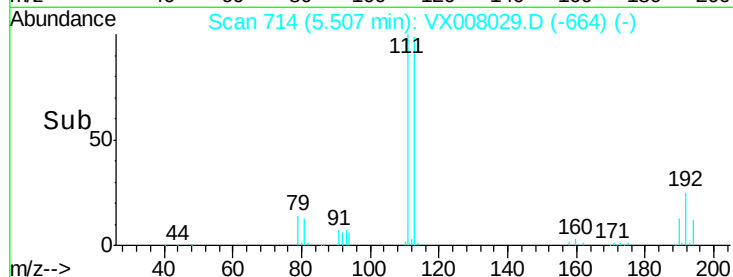
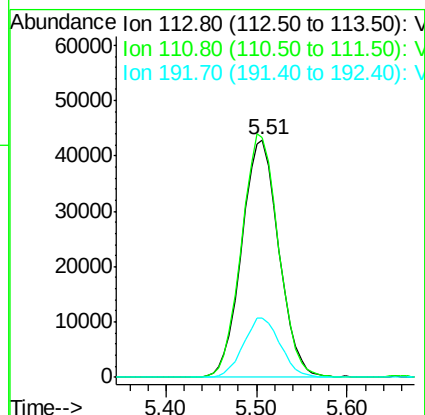
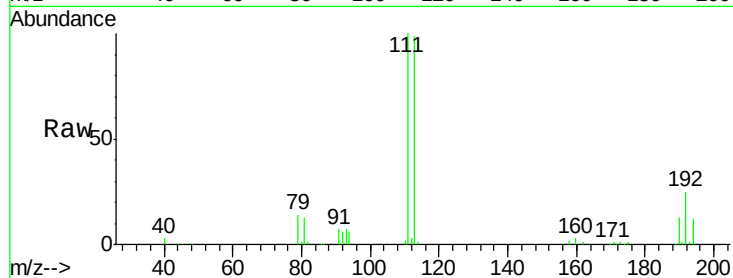




#35
 Dibromofluoromethane
 Concen: 51.829 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX008029.D
 Acq: 12 Mar 2019 21:00

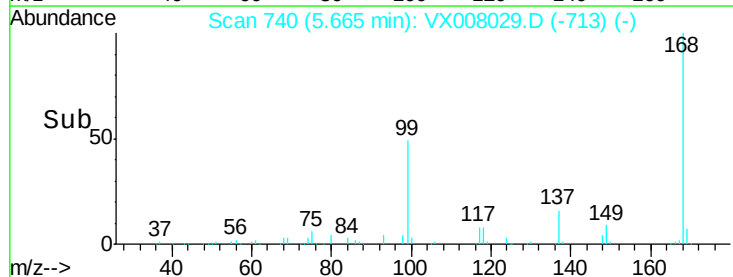
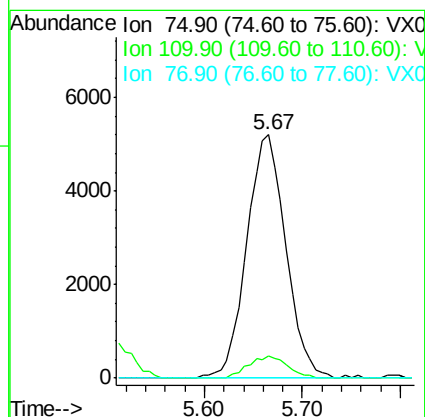
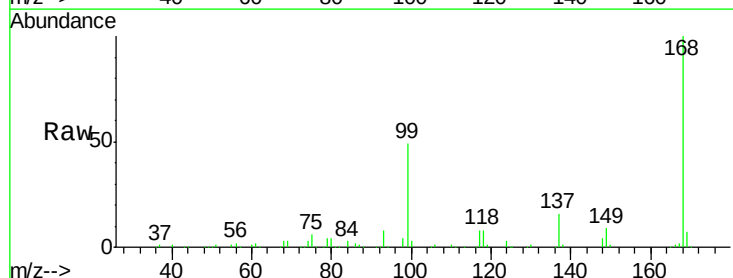
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-685-687

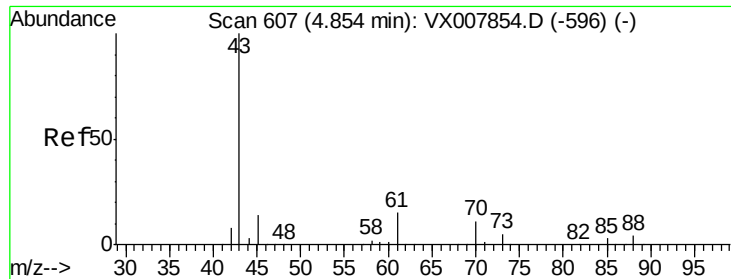
Tot Ion:113 Resp: 121846
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.4 122.0
 192 24.8 19.4 29.0



#36
 1,1-Dichloropropene
 Concen: 4.323 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX008029.D
 Acq: 12 Mar 2019 21:00

Tgt Ion: 75 Resp: 14388
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.4 55.0#
 77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.525 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.15 min

Lab File: VX008029.D

Acq: 12 Mar 2019 21:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-685-687

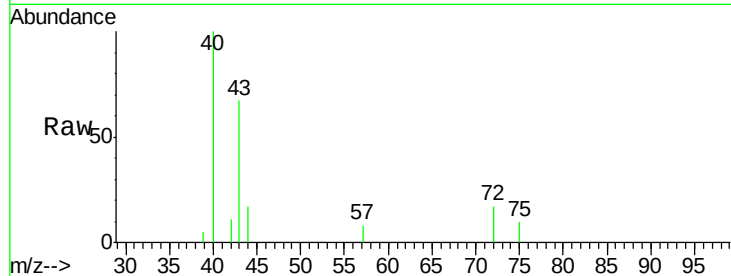
Tot Ion: 43 Resp: 2072

Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

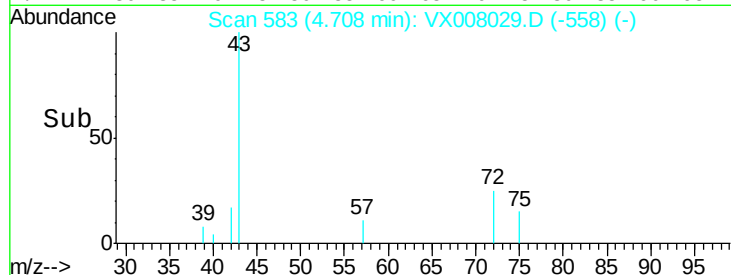
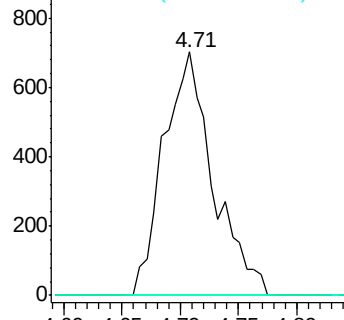
70 0.0 8.5 12.7#



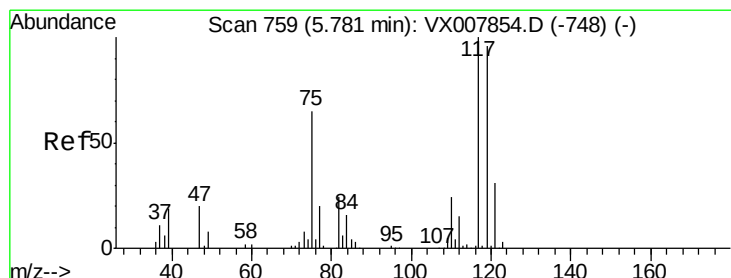
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



Time-->



#38

Carbon Tetrachloride

Concen: 6.226 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008029.D

Acq: 12 Mar 2019 21:00

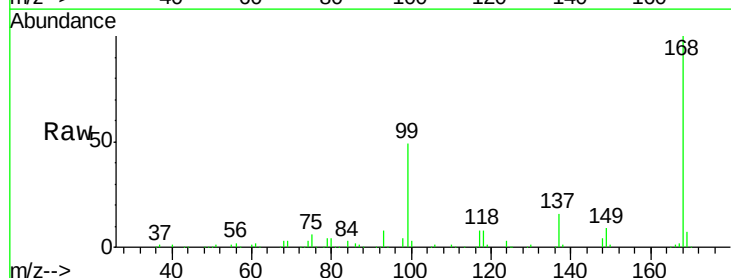
Tgt Ion: 117 Resp: 19671

Ion Ratio Lower Upper

117 100

119 6.6 76.2 114.2#

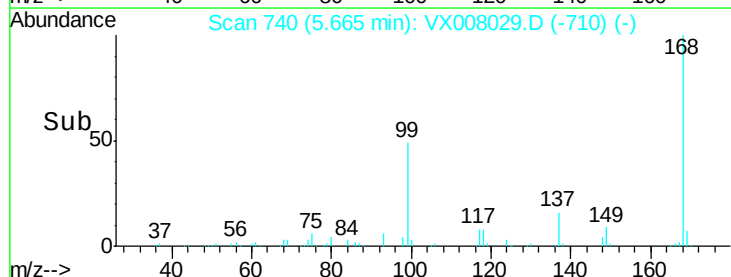
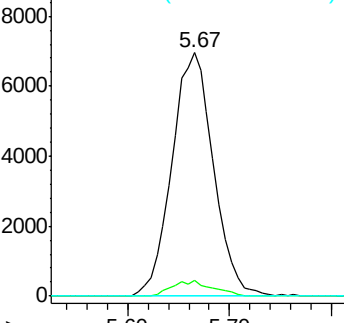
121 0.0 24.6 36.8#

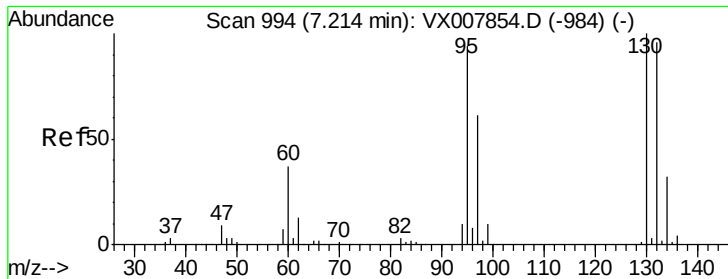


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 2.085 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008029.D

Acq: 12 Mar 2019 21:00

Instrument :

MSVOA_X

ClientSampleId :

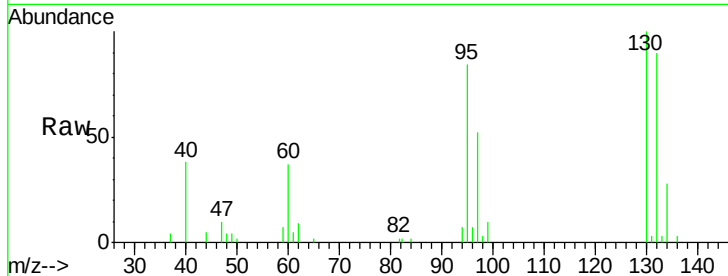
BP-VPB201-GW-685-687

Tot Ion:130 Resp: 5692

Ion Ratio Lower Upper

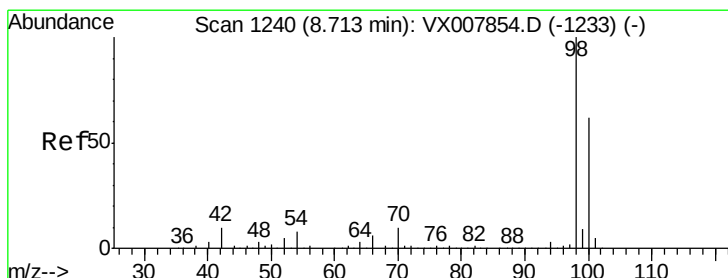
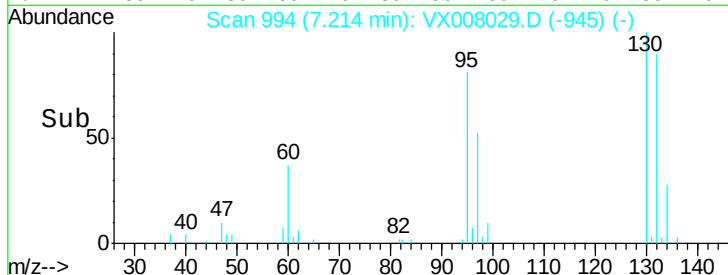
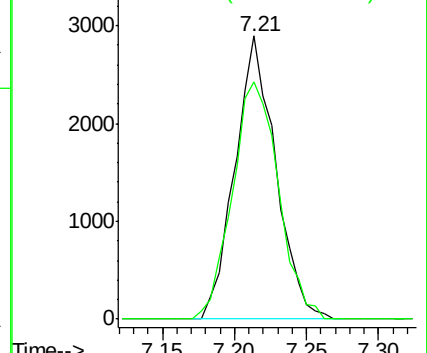
130 100

95 83.9 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 52.148 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008029.D

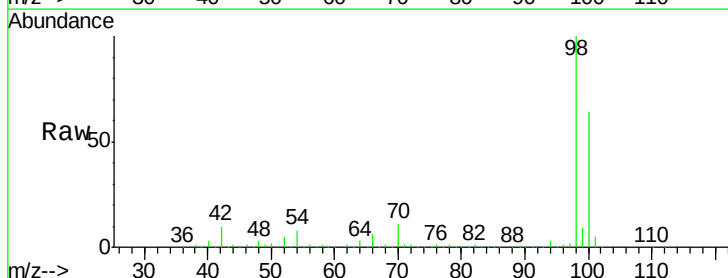
Acq: 12 Mar 2019 21:00

Tgt Ion: 98 Resp: 450246

Ion Ratio Lower Upper

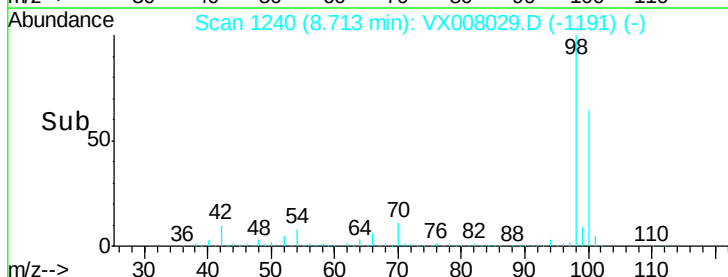
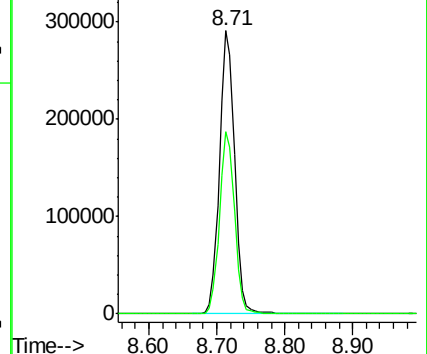
98 100

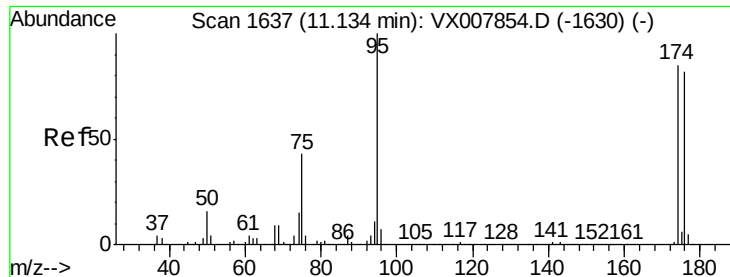
100 64.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 54.934 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008029.D

Acq: 12 Mar 2019 21:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-685-687

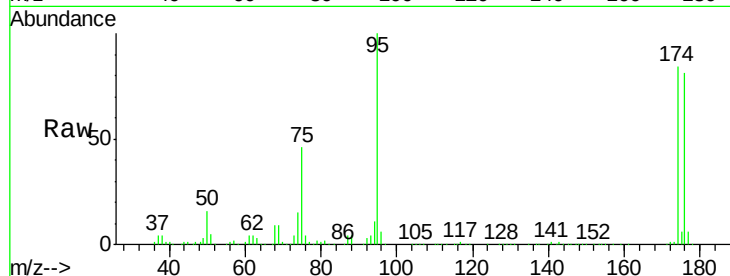
Tot Ion: 95 Resp: 166289

Ion Ratio Lower Upper

95 100

174 92.3 0.0 182.8

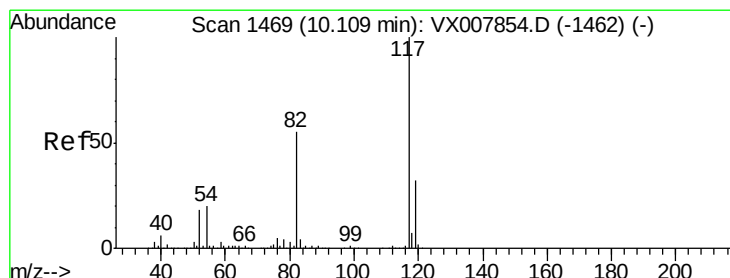
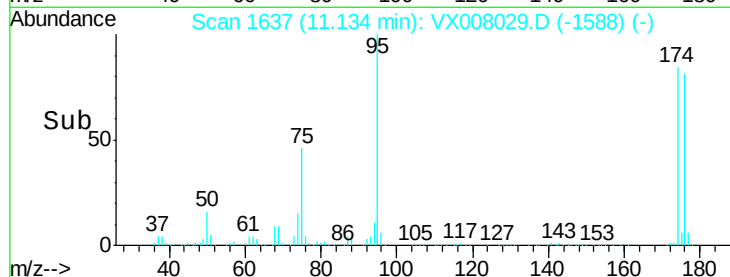
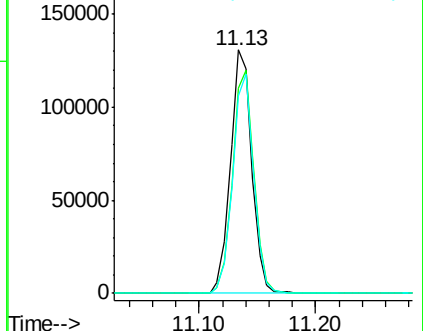
176 89.5 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008029.D

Acq: 12 Mar 2019 21:00

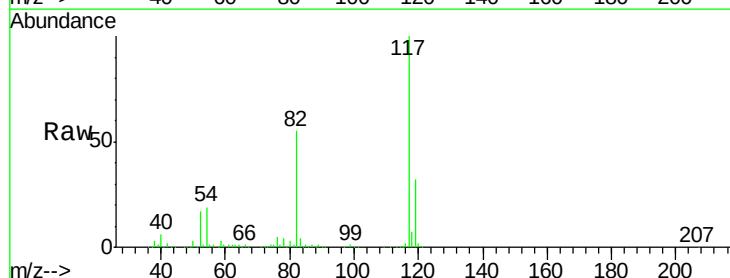
Tgt Ion: 117 Resp: 353103

Ion Ratio Lower Upper

117 100

82 55.2 44.3 66.5

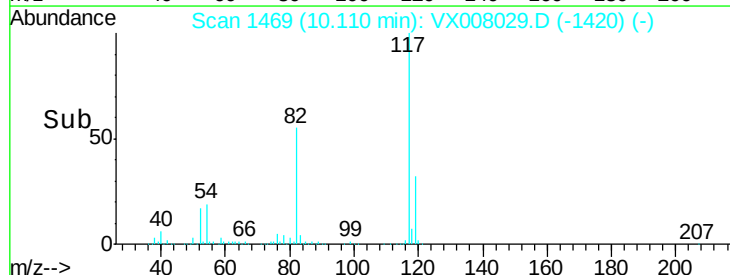
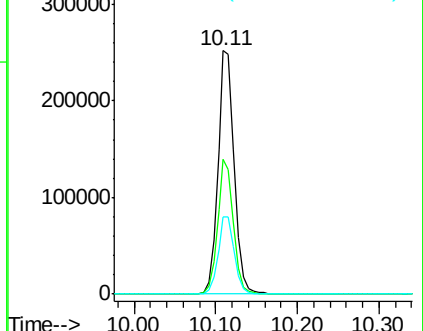
119 31.8 25.3 37.9

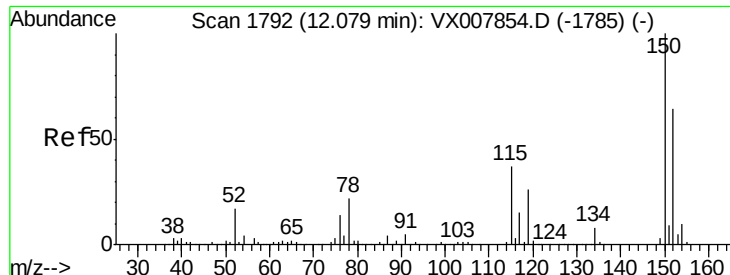


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008029.D

Acq: 12 Mar 2019 21:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-685-687

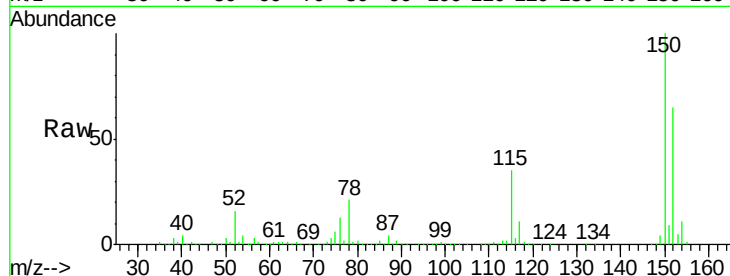
Tot Ion:152 Resp: 171691

Ion Ratio Lower Upper

152 100

115 55.4 38.6 115.7

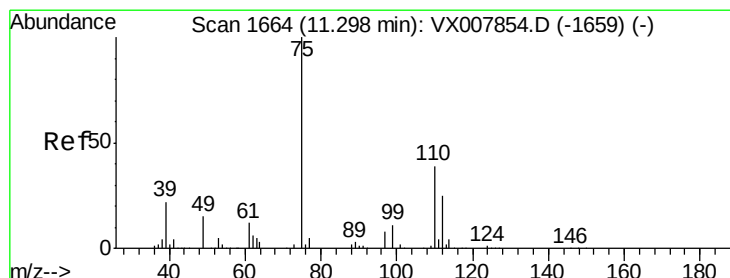
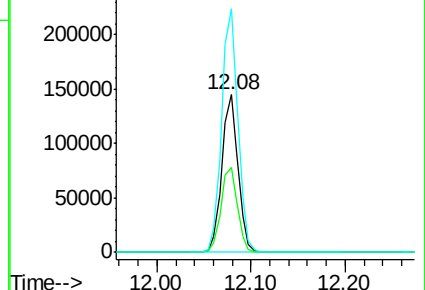
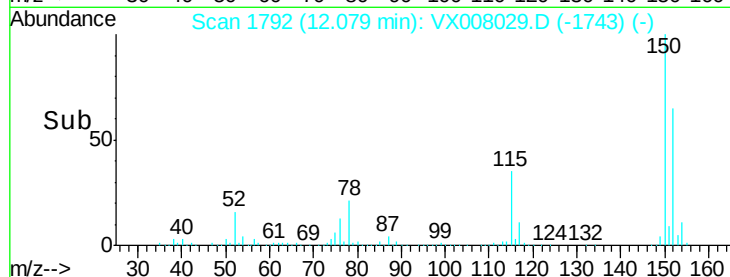
150 156.8 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.061 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008029.D

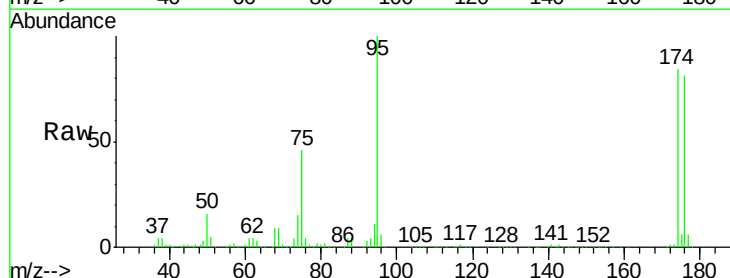
Acq: 12 Mar 2019 21:00

Tgt Ion: 75 Resp: 75879

Ion Ratio Lower Upper

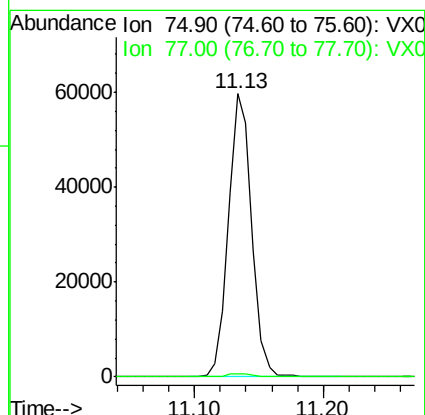
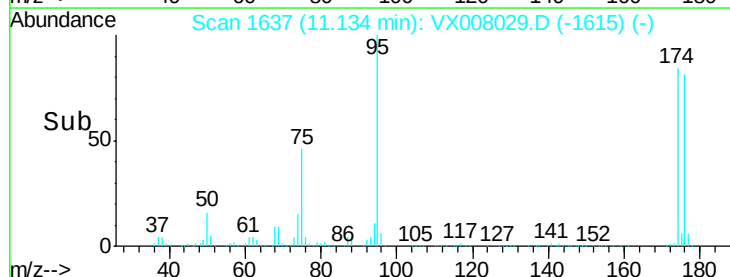
75 100

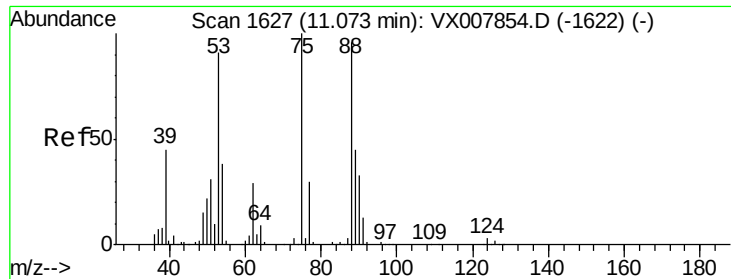
77 1.3 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 67.322 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008029.D

Acq: 12 Mar 2019 21:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-685-687

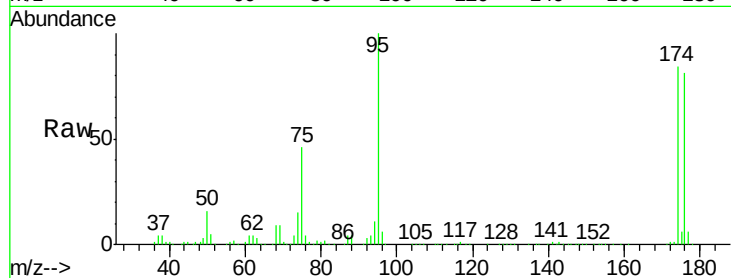
Tot Ion: 75 Resp: 75879

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#



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

