

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX030619\
 Data File : VX007864.D
 Acq On : 06 Mar 2019 17:07
 Operator : JC/SP
 Sample : K1759-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-EB-20190305

Quant Time: Mar 07 07:50:59 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	304879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	474128	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	444457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	211898	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	166439	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	
35) Dibromofluoromethane	5.51	113	153128	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
50) Toluene-d8	8.71	98	572477	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	
62) 4-Bromofluorobenzene	11.13	95	208780	53.46	ug/l	0.00
Spiked Amount			Recovery	=	106.92%	

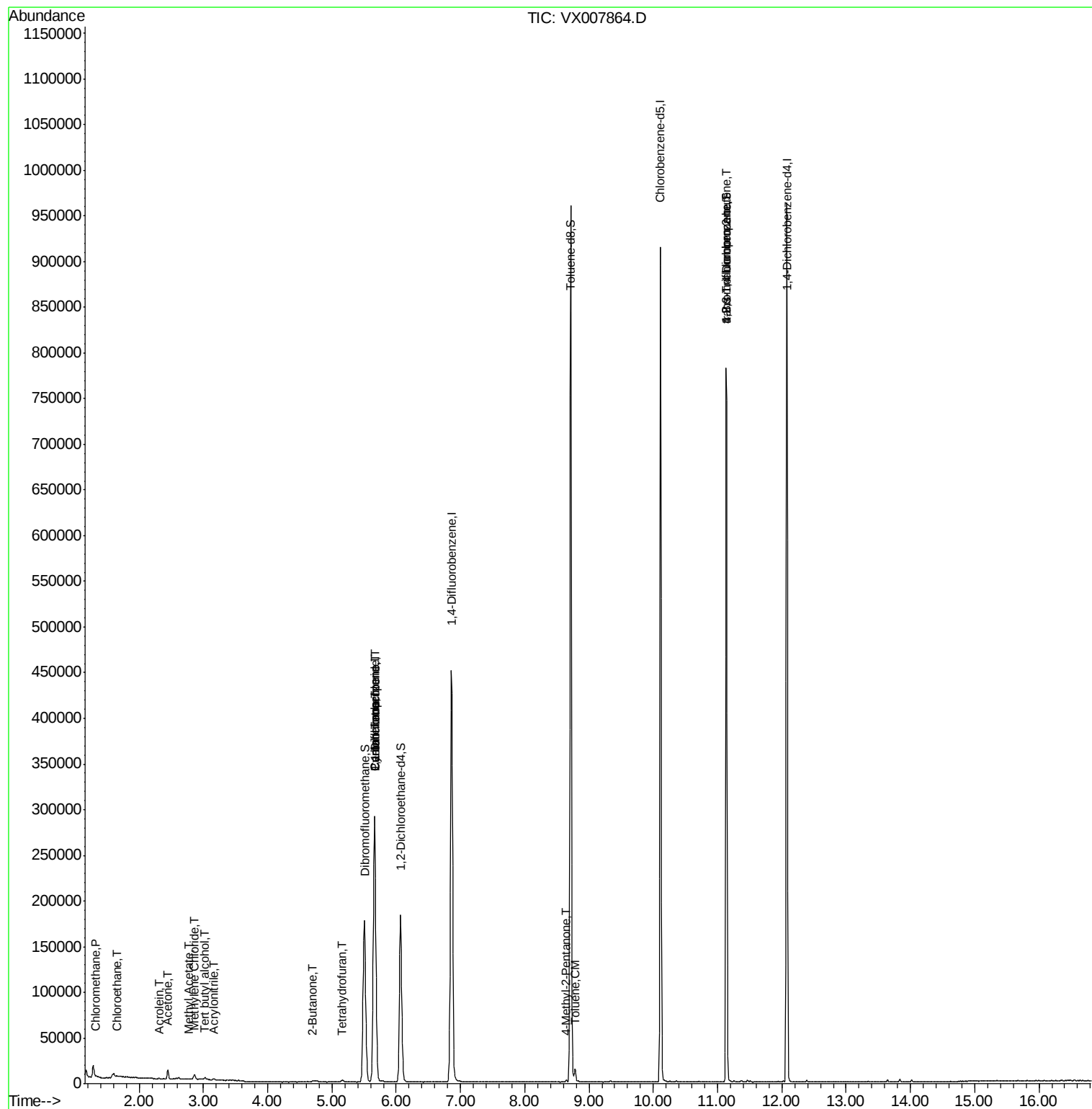
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	680	0.203	ug/l	93
5) Bromomethane	1.65	94	408	Below Cal		89
6) Chloroethane	1.66	64	1661	0.750	ug/l #	43
11) Tert butyl alcohol	3.01	59	1791	2.490	ug/l #	75
13) Acrolein	2.31	56	185	1.993	ug/l #	1
15) Acrylonitrile	3.15	53	437	0.241	ug/l #	77
16) Acetone	2.45	43	10946	5.880	ug/l	96
17) Carbon Disulfide	2.57	76	1775	Below Cal		97
18) Methyl Acetate	2.78	43	980	0.248	ug/l	99
20) Methylene Chloride	2.86	84	2433	0.821	ug/l	89
25) 2-Butanone	4.70	43	3139	1.191	ug/l #	89
29) Tetrahydrofuran	5.16	42	1786	1.086	ug/l	95
31) Cyclohexane	5.66	56	4858	0.983	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	19451	4.531	ug/l #	49
38) Carbon Tetrachloride	5.67	117	26625	6.533	ug/l #	16
51) 4-Methyl-2-Pentanone	8.65	43	1259	0.260	ug/l	97
52) Toluene	8.79	92	4495	0.576	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	95929	21.574	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	95929	68.961	ug/l #	11

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX030619\
Data File : VX007864.D
Acq On : 06 Mar 2019 17:07
Operator : JC/SP
Sample : K1759-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-EB-20190305

Quant Time: Mar 07 07:50:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007864.D

Acq: 06 Mar 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

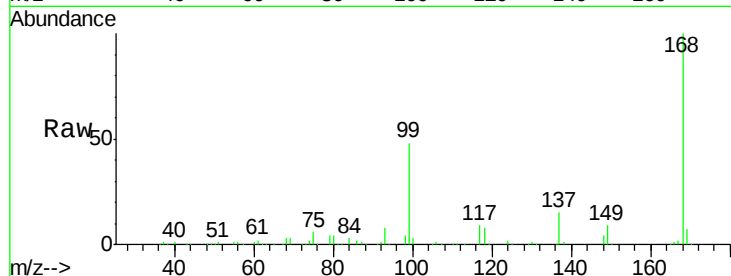
BP-VPB201-EB-20190305

Tgt Ion:168 Resp: 304879

Ion Ratio Lower Upper

168 100

99 48.0 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

120000

100000

80000

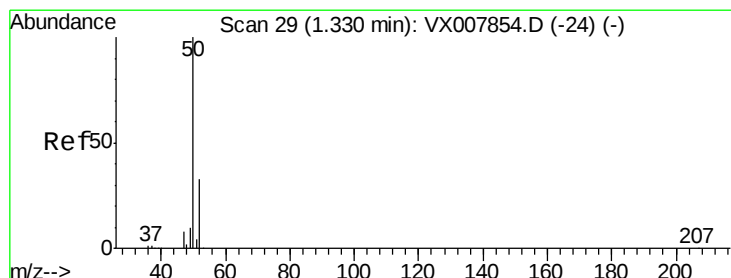
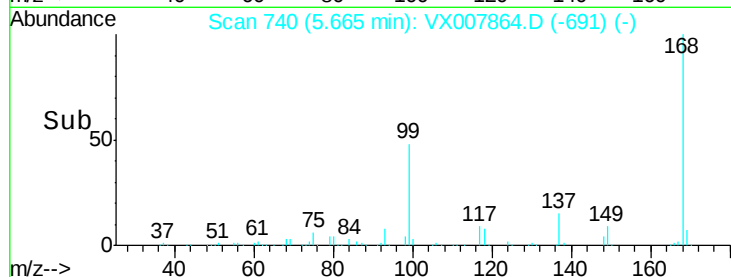
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.203 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007864.D

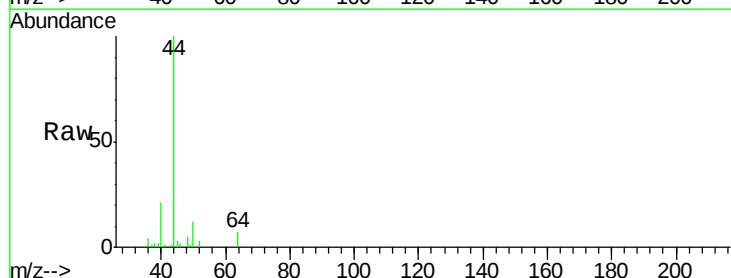
Acq: 06 Mar 2019 17:07

Tgt Ion: 50 Resp: 680

Ion Ratio Lower Upper

50 100

52 29.0 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

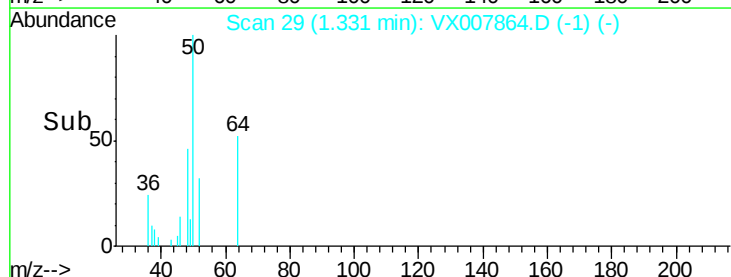
600

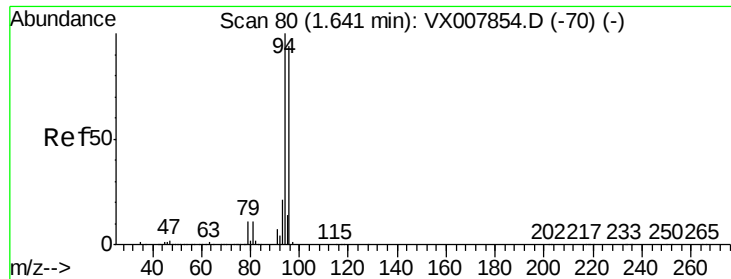
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007864.D

Acq: 06 Mar 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

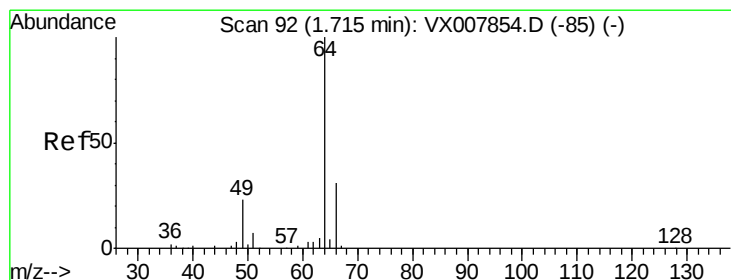
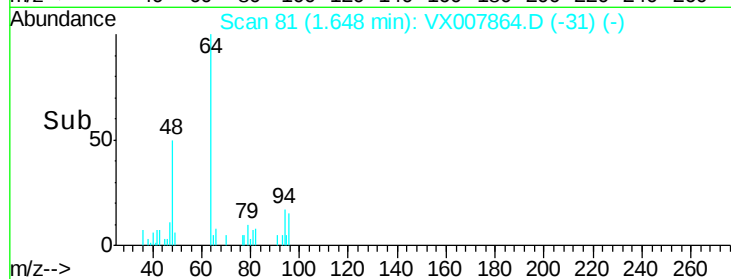
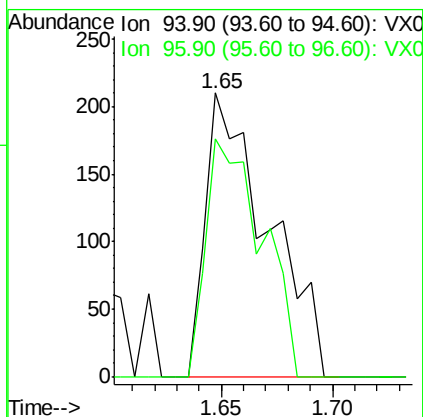
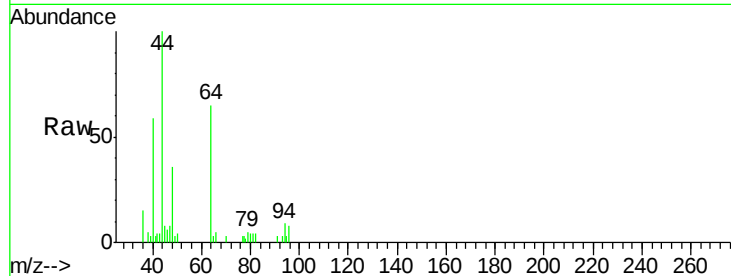
BP-VPB201-EB-20190305

Tgt Ion: 94 Resp: 408

Ion Ratio Lower Upper

94 100

96 83.8 75.5 113.3



#6

Chloroethane

Concen: 0.750 ug/l

RT: 1.66 min Scan# 83

Delta R.T. -0.05 min

Lab File: VX007864.D

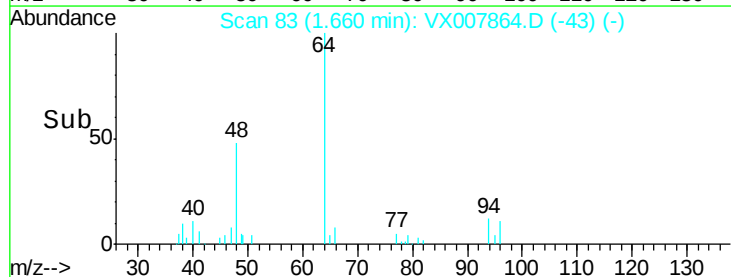
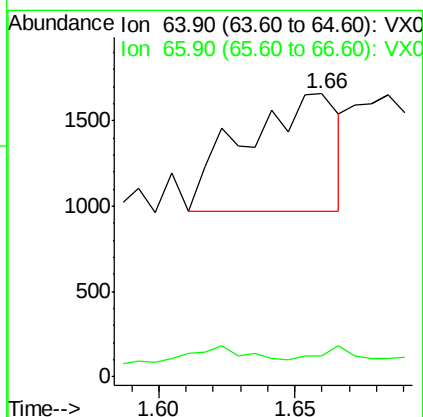
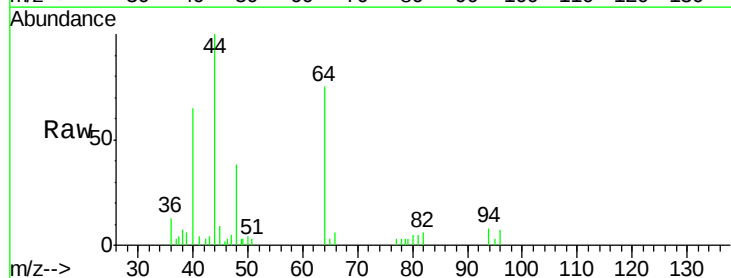
Acq: 06 Mar 2019 17:07

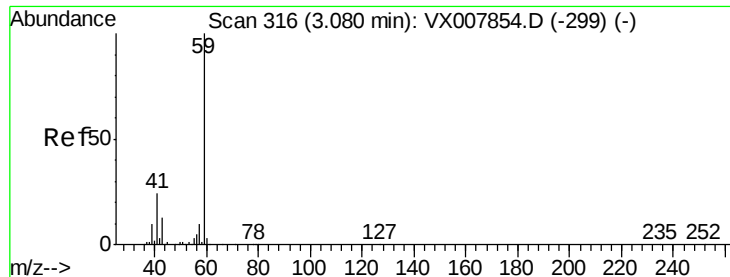
Tgt Ion: 64 Resp: 1661

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#

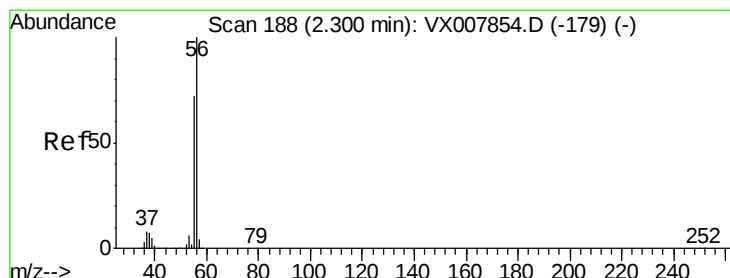
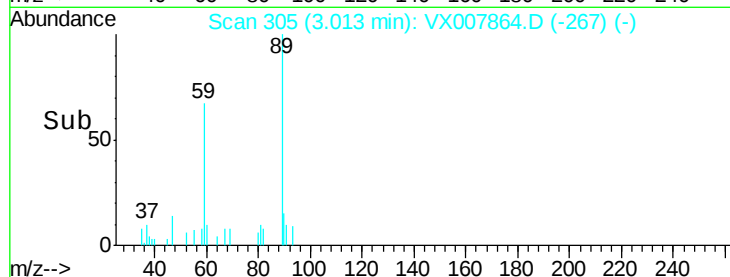
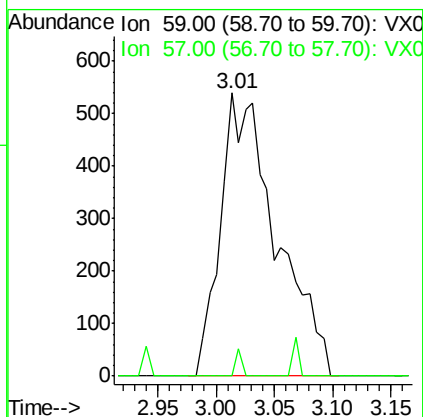
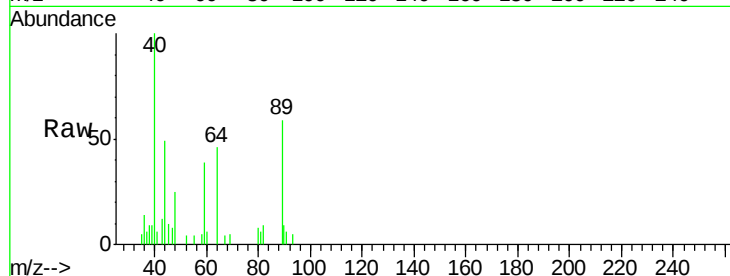




#11
Tert butyl alcohol
Concen: 2.490 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.07 min
Lab File: VX007864.D
Acq: 06 Mar 2019 17:07

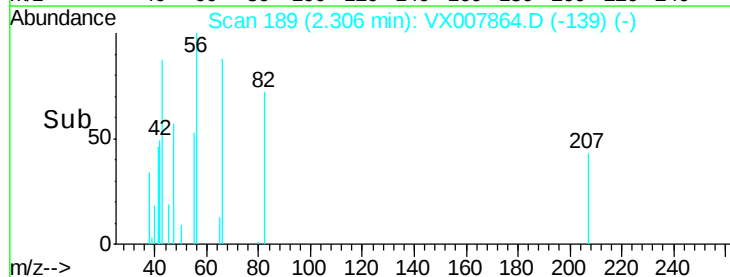
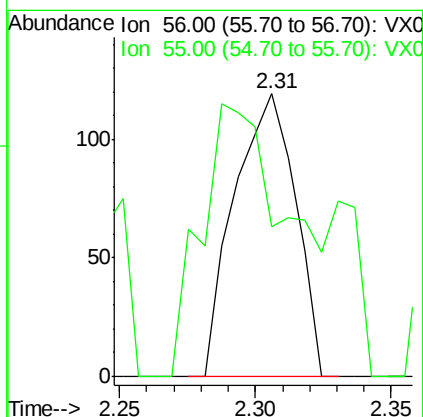
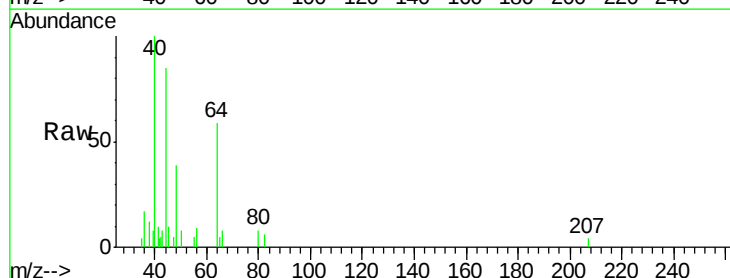
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-EB-20190305

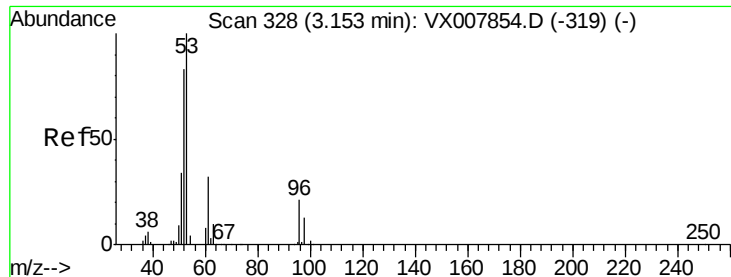
Tgt Ion: 59 Resp: 1791
Ion Ratio Lower Upper
59 100
57 1.1 8.2 12.2#



#13
Acrolein
Concen: 1.993 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX007864.D
Acq: 06 Mar 2019 17:07

Tgt Ion: 56 Resp: 185
Ion Ratio Lower Upper
56 100
55 166.5 57.8 86.6#





#15

Acrylonitrile

Concen: 0.241 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX007864.D

Acq: 06 Mar 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-EB-20190305

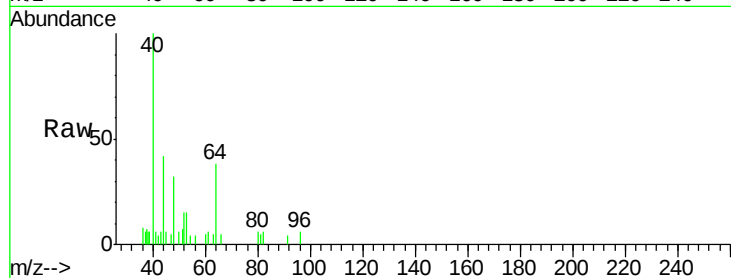
Tgt Ion: 53 Resp: 437

Ion Ratio Lower Upper

53 100

52 104.1 66.0 99.0#

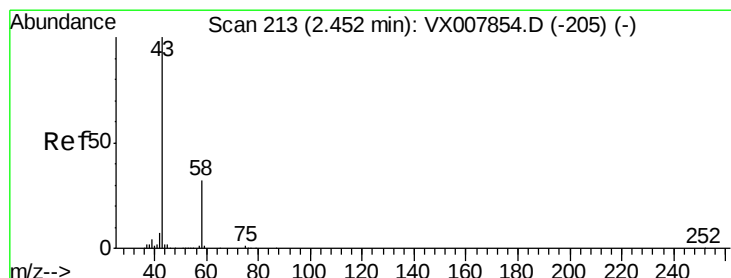
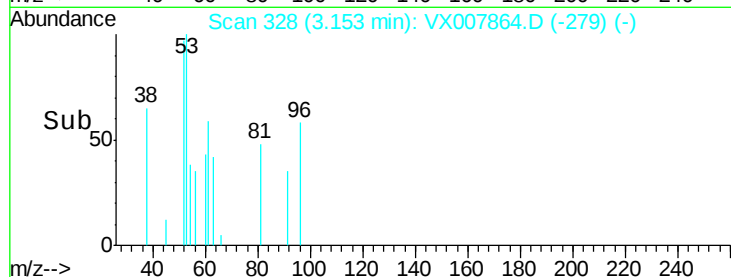
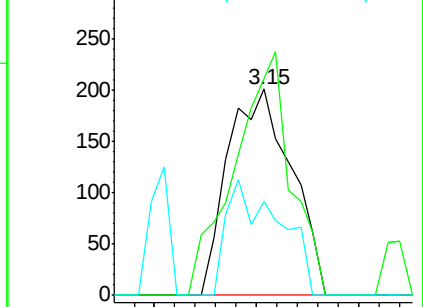
51 46.7 28.0 42.0#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 5.880 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX007864.D

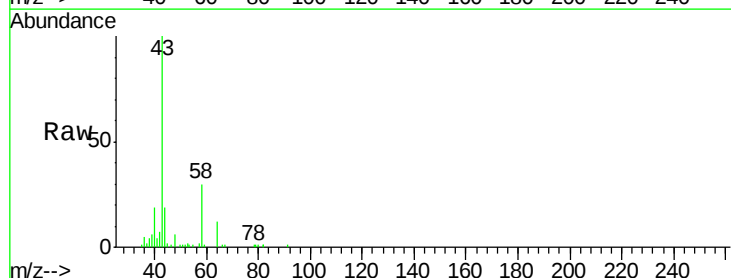
Acq: 06 Mar 2019 17:07

Tgt Ion: 43 Resp: 10946

Ion Ratio Lower Upper

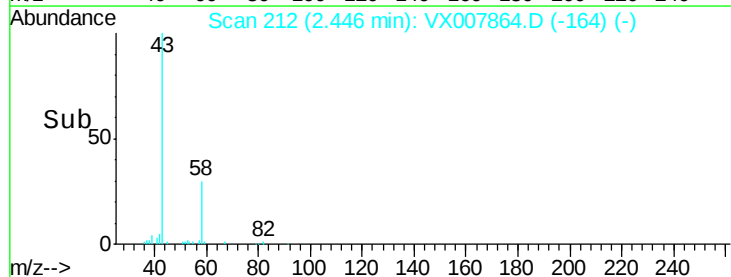
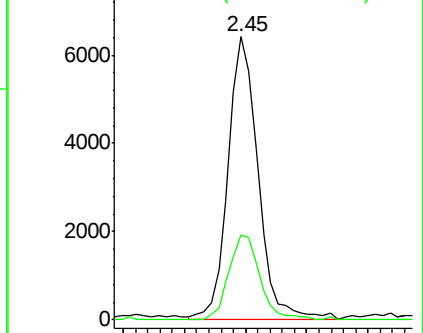
43 100

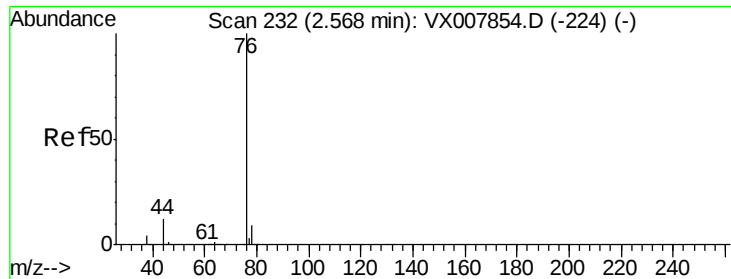
58 29.9 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

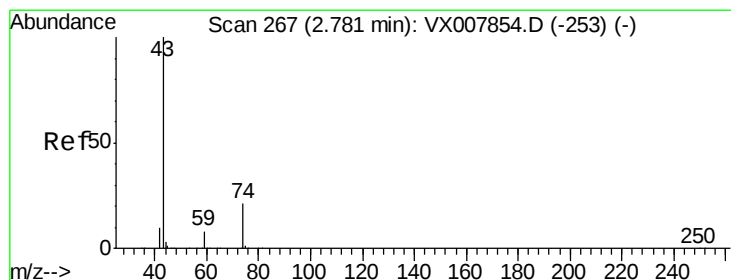
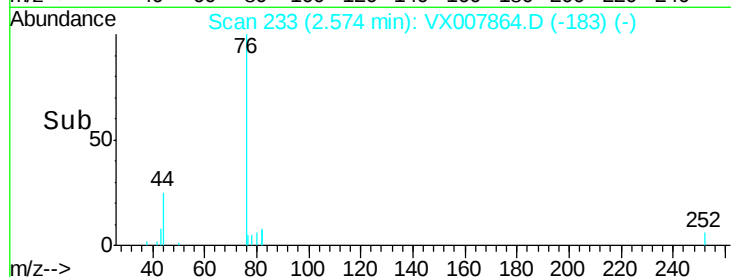
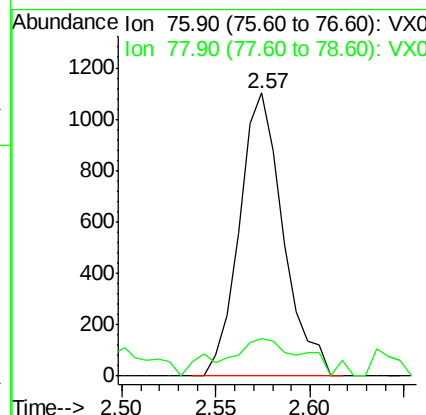
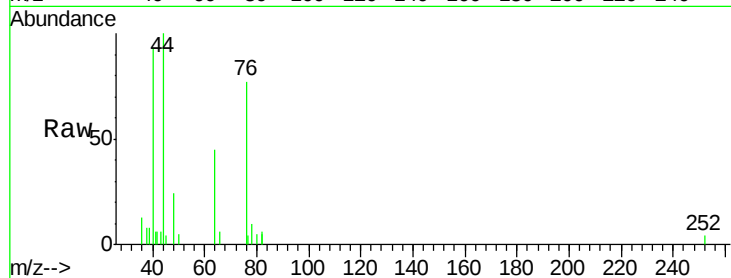




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX007864.D
Acq: 06 Mar 2019 17:07

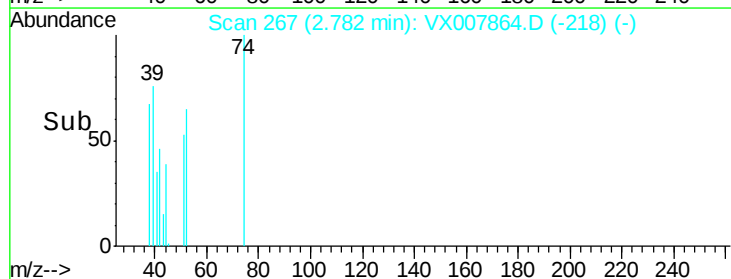
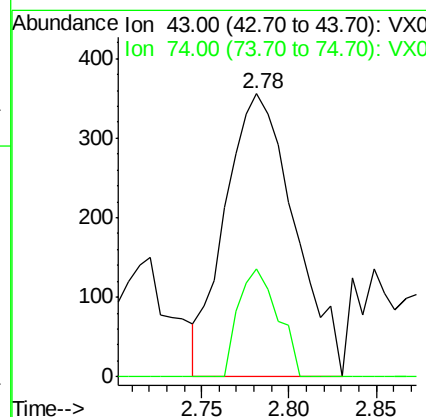
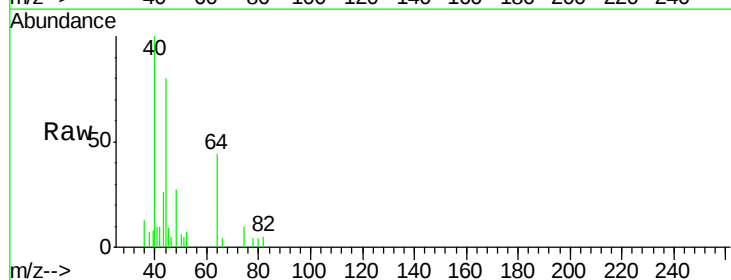
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-EB-20190305

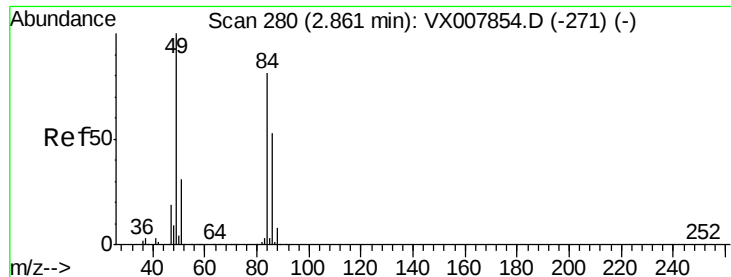
Tgt Ion: 76 Resp: 1775
Ion Ratio Lower Upper
76 100
78 7.8 7.2 10.8



#18
Methyl Acetate
Concen: 0.248 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007864.D
Acq: 06 Mar 2019 17:07

Tgt Ion: 43 Resp: 980
Ion Ratio Lower Upper
43 100
74 21.7 17.8 26.6





#20

Methylene Chloride

Concen: 0.821 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX007864.D

Acq: 06 Mar 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-EB-20190305

Tgt Ion: 84 Resp: 2433

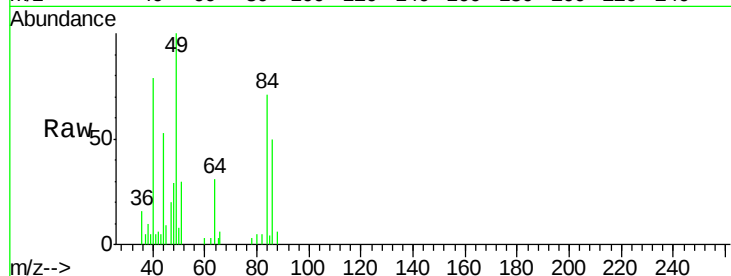
Ion Ratio Lower Upper

84 100

49 141.2 99.3 148.9

51 42.2 31.3 46.9

86 70.6 52.6 79.0

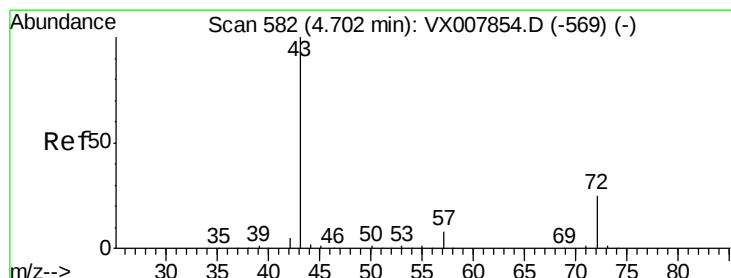
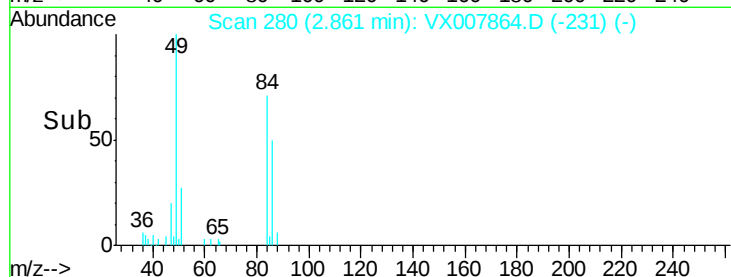
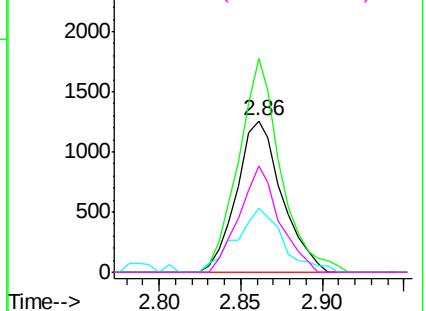


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 1.191 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX007864.D

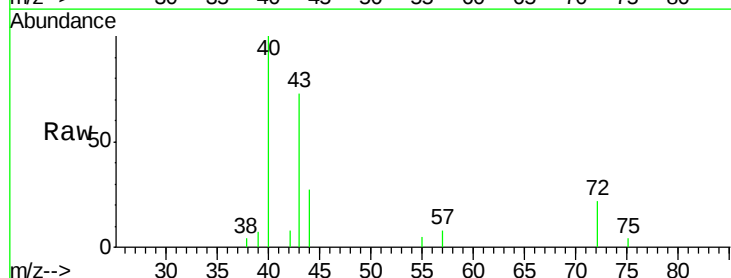
Acq: 06 Mar 2019 17:07

Tgt Ion: 43 Resp: 3139

Ion Ratio Lower Upper

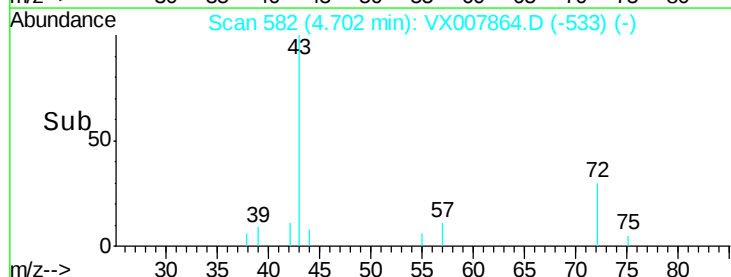
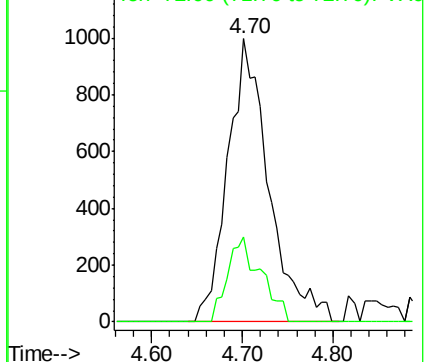
43 100

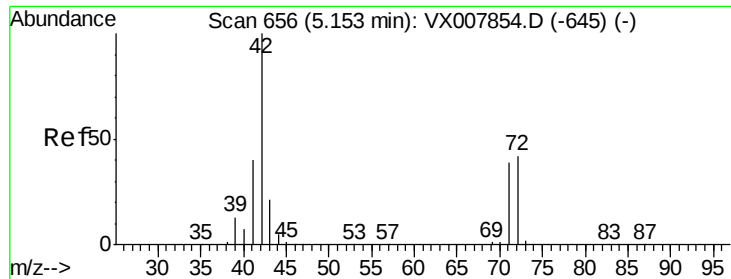
72 30.2 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

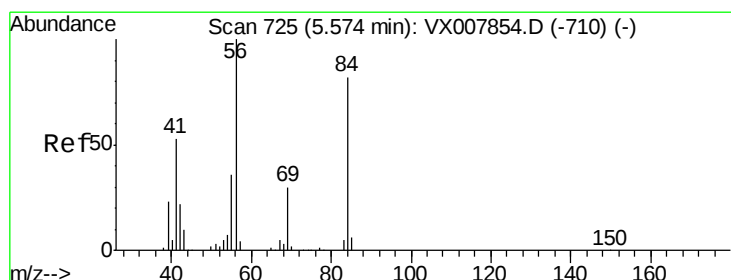
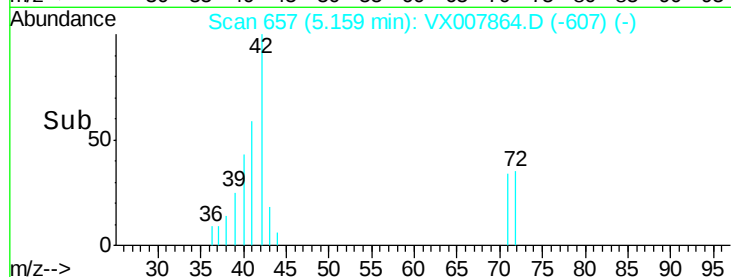
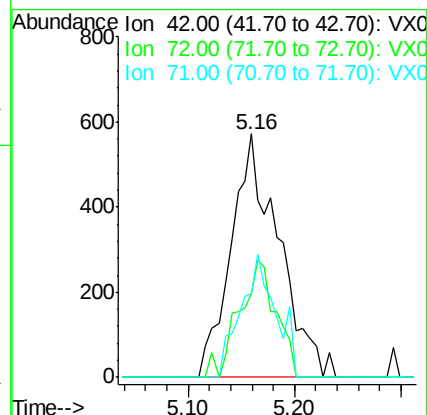
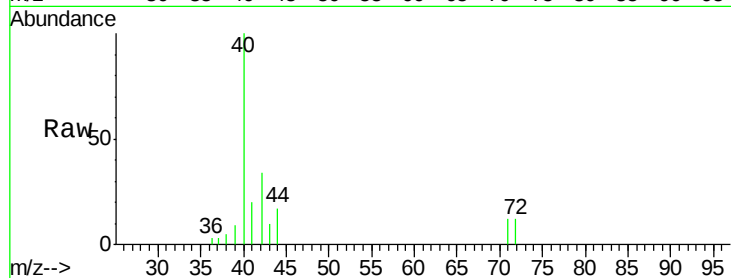




#29
Tetrahydrofuran
Concen: 1.086 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX007864.D
Acq: 06 Mar 2019 17:07

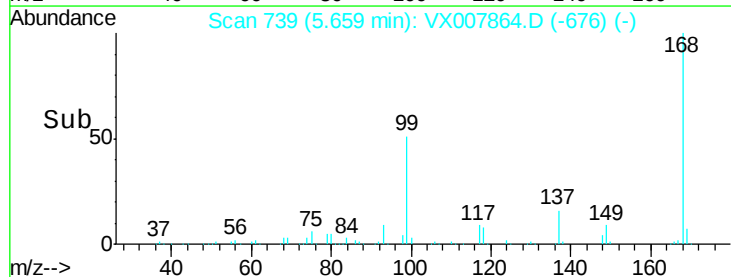
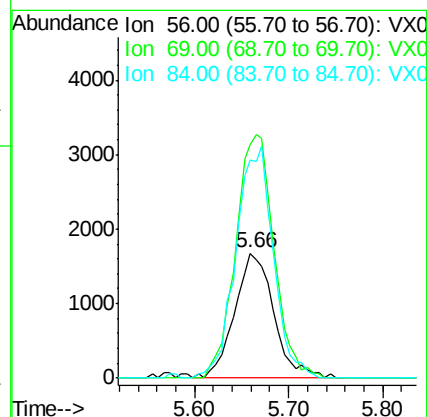
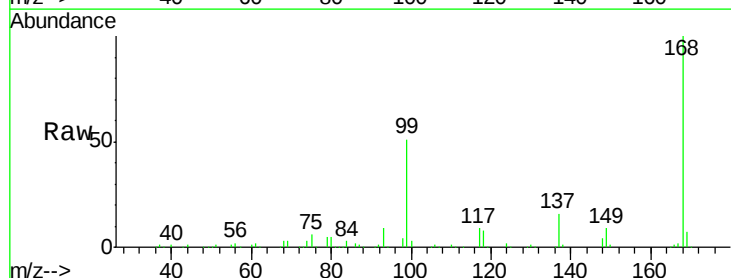
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-EB-20190305

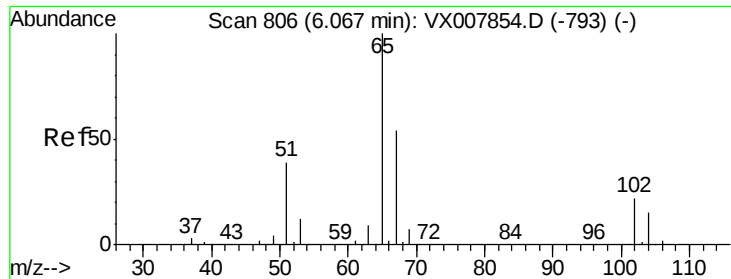
Tgt Ion: 42 Resp: 1786
Ion Ratio Lower Upper
42 100
72 37.5 33.8 50.6
71 37.3 31.5 47.3



#31
Cyclohexane
Concen: 0.983 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX007864.D
Acq: 06 Mar 2019 17:07

Tgt Ion: 56 Resp: 4858
Ion Ratio Lower Upper
56 100
69 187.0 24.0 36.0#
84 174.7 65.3 97.9#

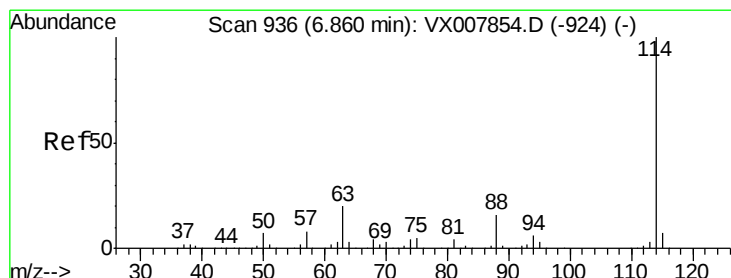
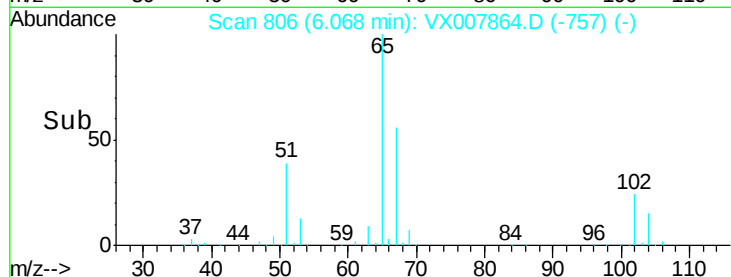
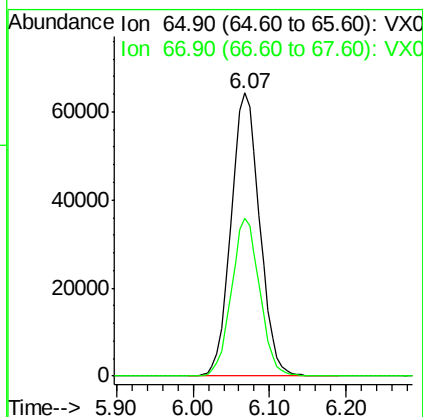
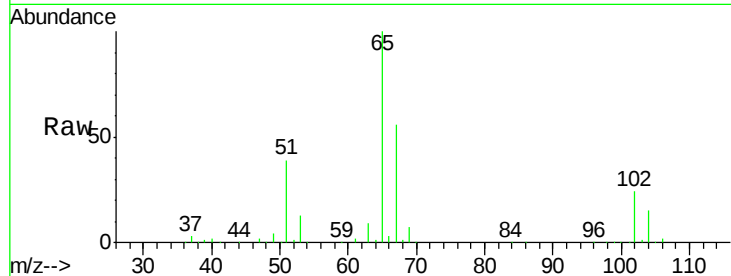




#33
 1,2-Dichloroethane-d4
 Concen: 51.751 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007864.D
 Acq: 06 Mar 2019 17:07

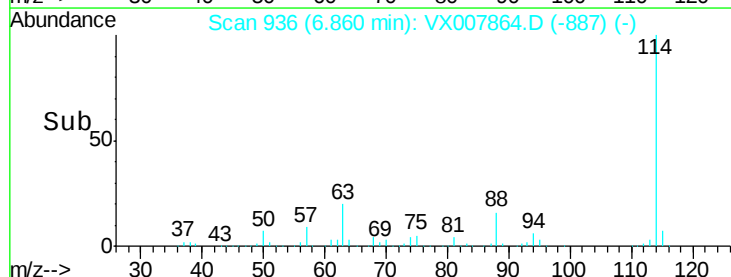
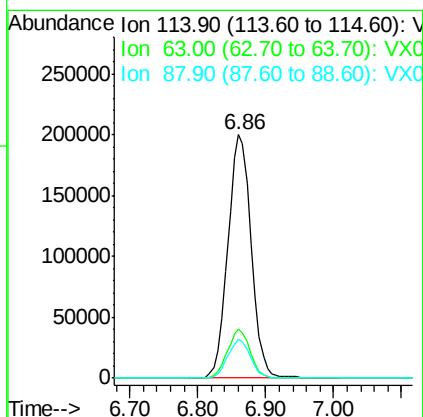
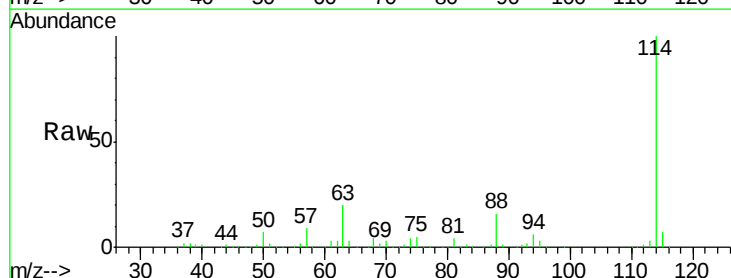
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-EB-20190305

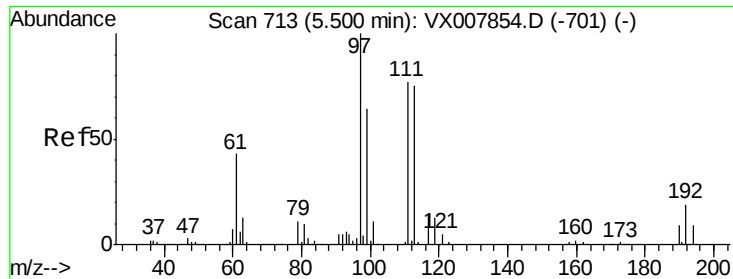
Tgt Ion: 65 Resp: 166439
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007864.D
 Acq: 06 Mar 2019 17:07

Tgt Ion: 114 Resp: 474128
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.8
 88 15.9 0.0 31.4

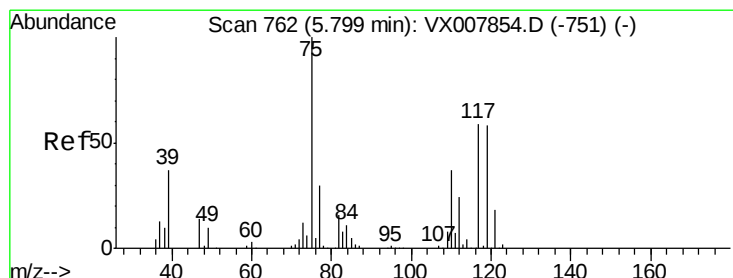
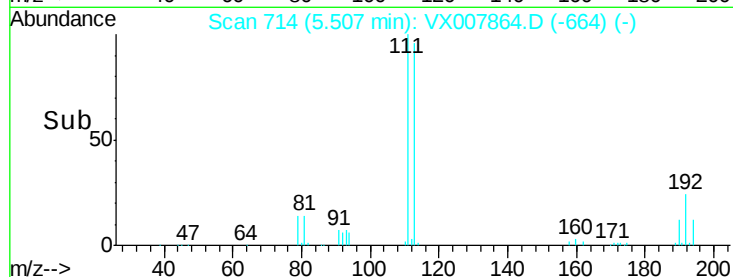
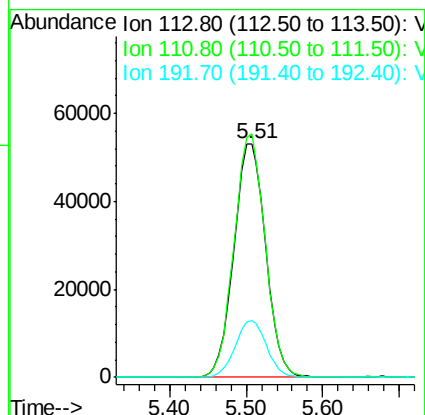
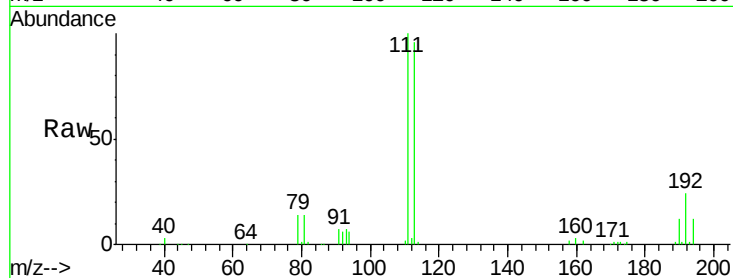




#35
 Dibromofluoromethane
 Concen: 50.490 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX007864.D
 Acq: 06 Mar 2019 17:07

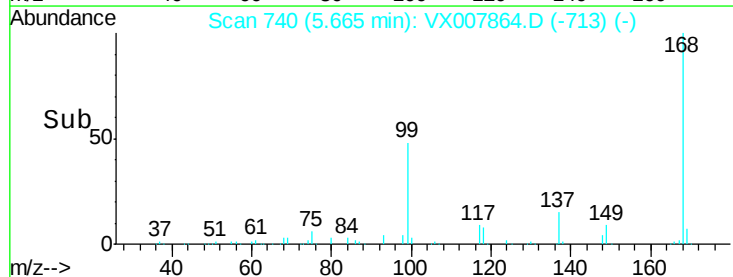
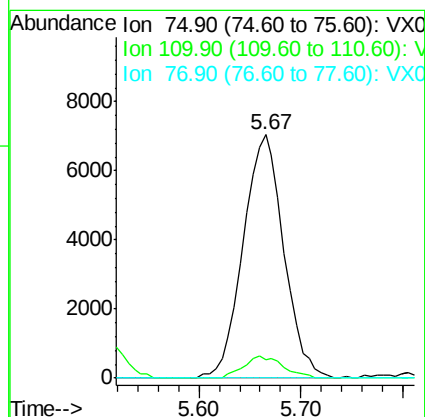
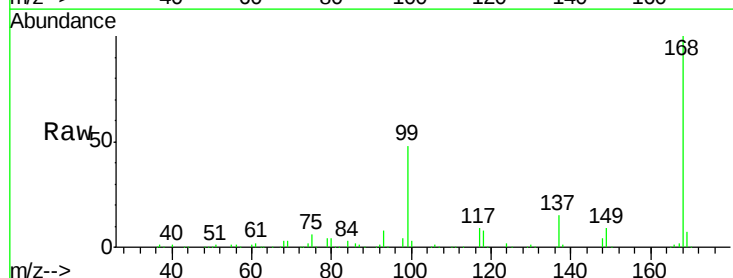
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-EB-20190305

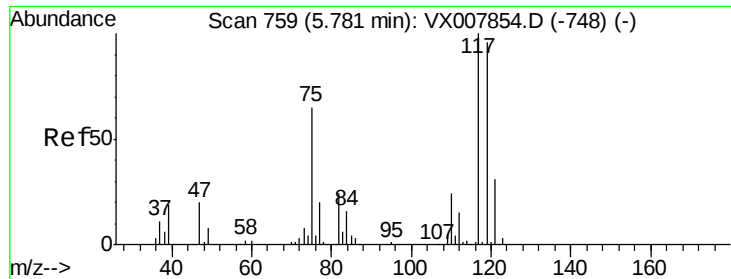
Tgt Ion:113 Resp: 153128
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.4 122.0
 192 24.0 19.4 29.0



#36
 1,1-Dichloropropene
 Concen: 4.531 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007864.D
 Acq: 06 Mar 2019 17:07

Tgt Ion: 75 Resp: 19451
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.4 55.0#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.533 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007864.D

Acq: 06 Mar 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-EB-20190305

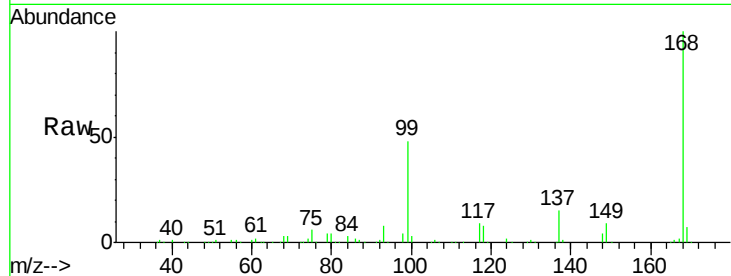
Tgt Ion:117 Resp: 26625

Ion Ratio Lower Upper

117 100

119 5.0 76.2 114.2#

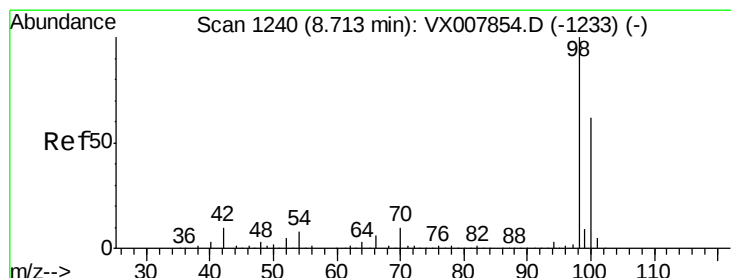
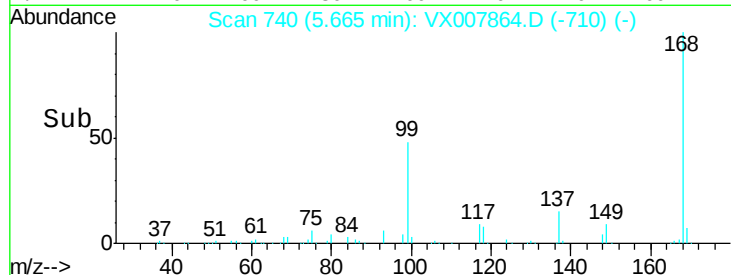
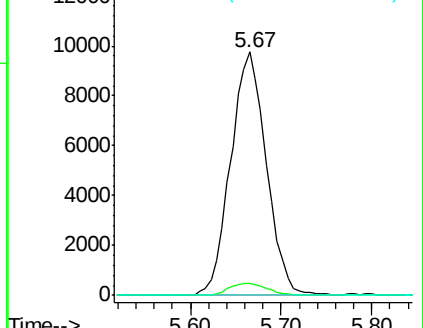
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 51.397 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007864.D

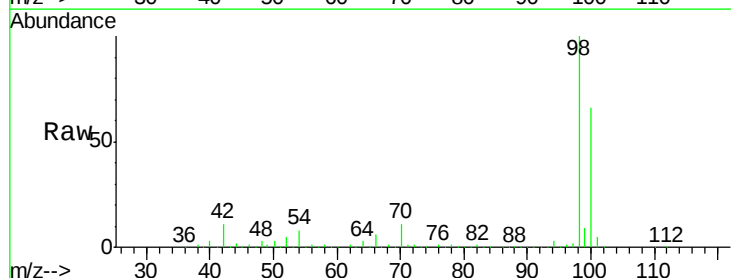
Acq: 06 Mar 2019 17:07

Tgt Ion: 98 Resp: 572477

Ion Ratio Lower Upper

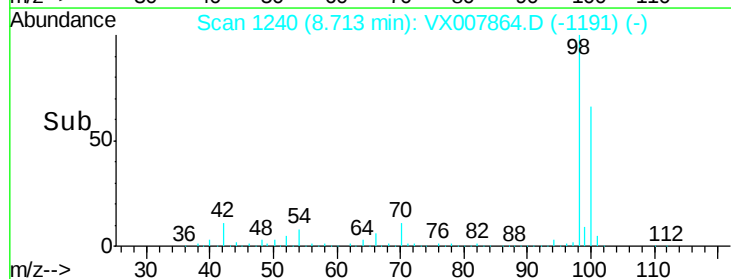
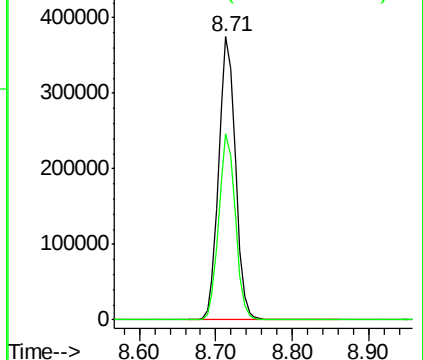
98 100

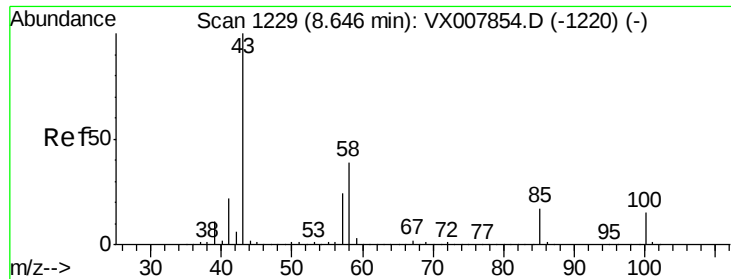
100 65.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

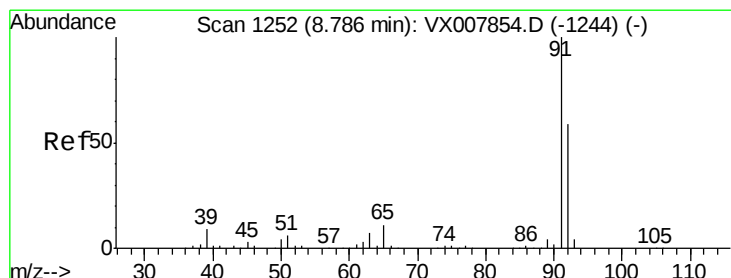
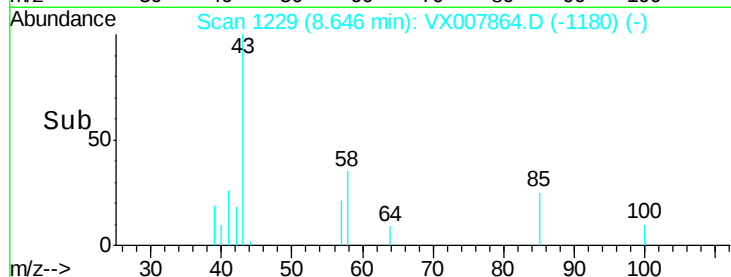
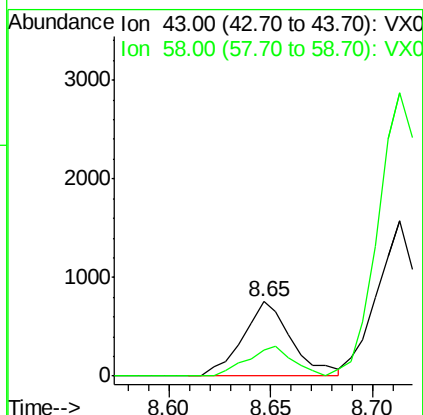
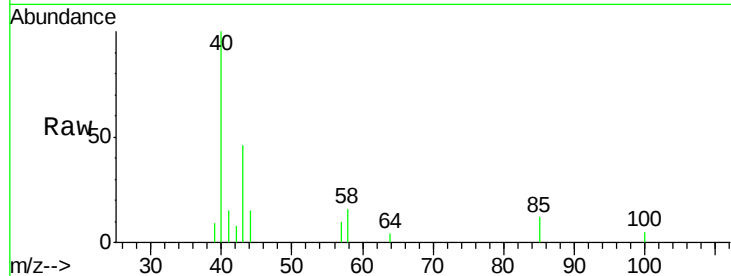




#51
 4-Methyl-2-Pentanone
 Concen: 0.260 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VX007864.D
 Acq: 06 Mar 2019 17:07

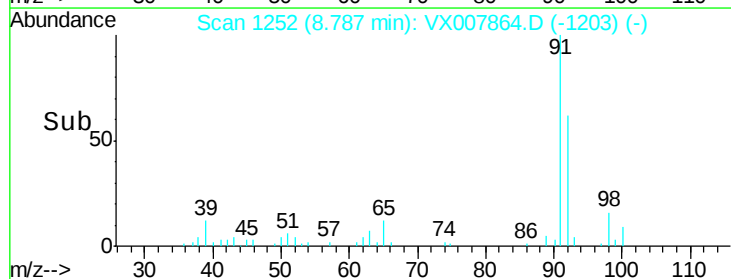
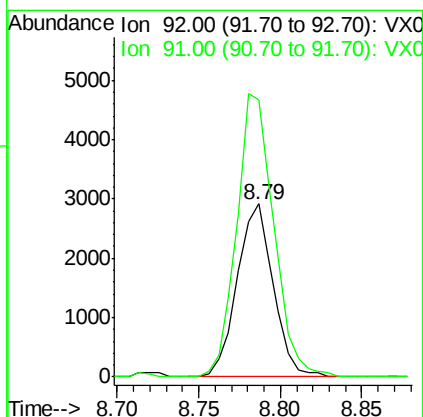
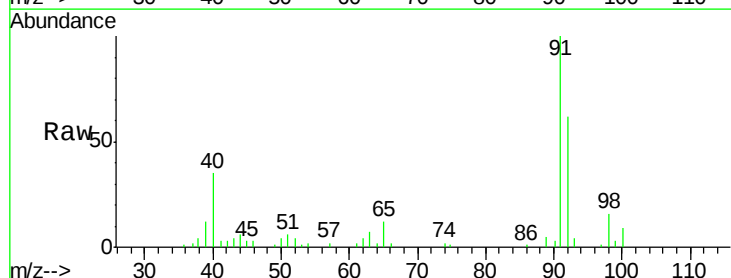
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-EB-20190305

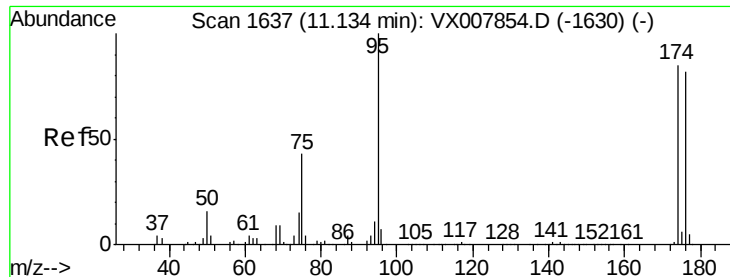
Tgt Ion: 43 Resp: 1259
 Ion Ratio Lower Upper
 43 100
 58 37.1 31.3 46.9



#52
 Toluene
 Concen: 0.576 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VX007864.D
 Acq: 06 Mar 2019 17:07

Tgt Ion: 92 Resp: 4495
 Ion Ratio Lower Upper
 92 100
 91 168.6 137.4 206.0





#62

4-Bromofluorobenzene

Concen: 53.463 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007864.D

Acq: 06 Mar 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-EB-20190305

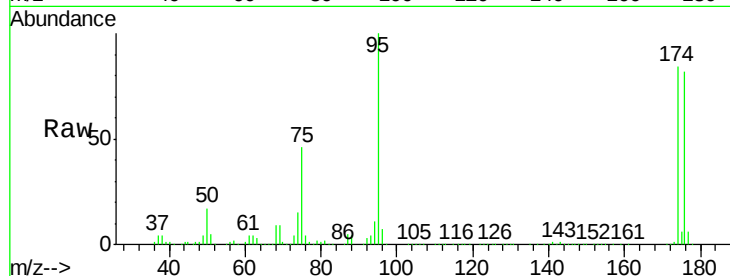
Tgt Ion: 95 Resp: 208780

Ion Ratio Lower Upper

95 100

174 91.6 0.0 182.8

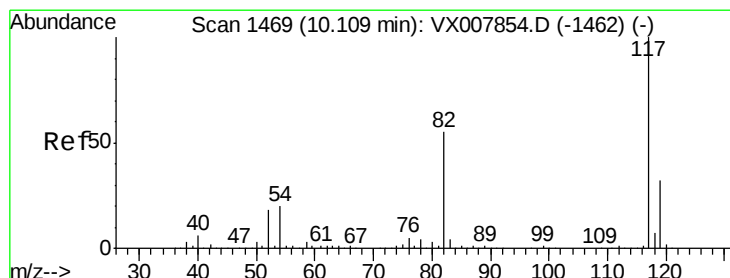
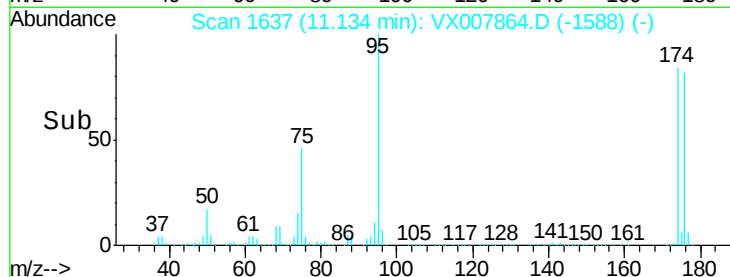
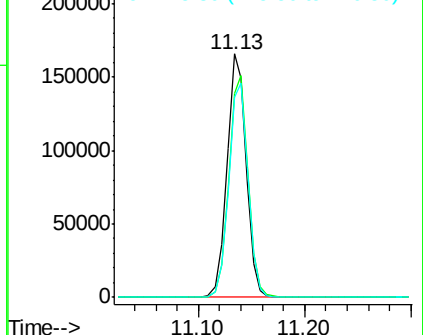
176 89.0 0.0 178.0



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: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX007864.D

Acq: 06 Mar 2019 17:07

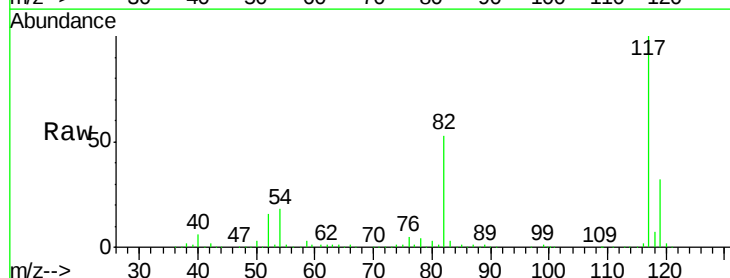
Tgt Ion: 117 Resp: 444457

Ion Ratio Lower Upper

117 100

82 52.5 44.3 66.5

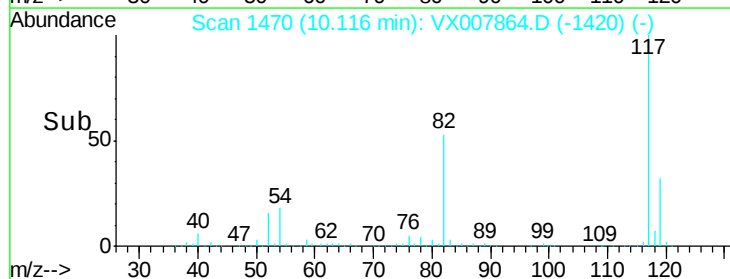
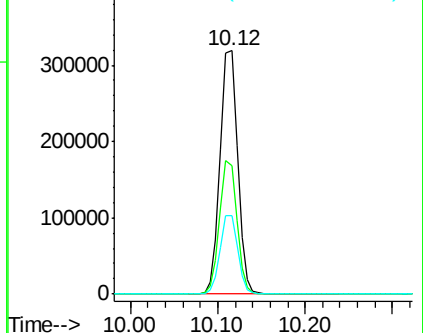
119 32.4 25.3 37.9

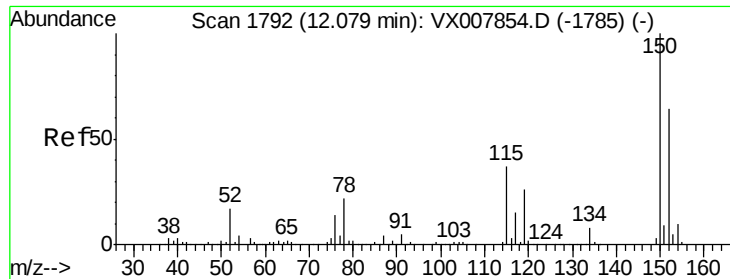


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX007864.D

Acq: 06 Mar 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-EB-20190305

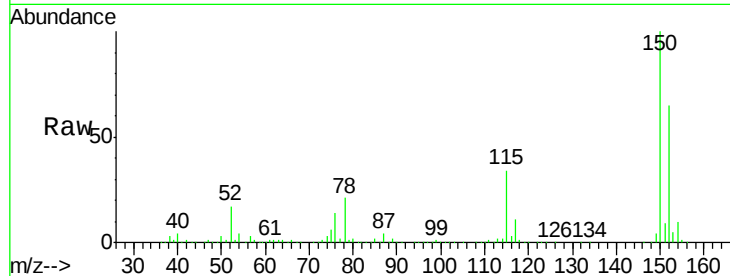
Tgt Ion:152 Resp: 211898

Ion Ratio Lower Upper

152 100

115 55.0 38.6 115.7

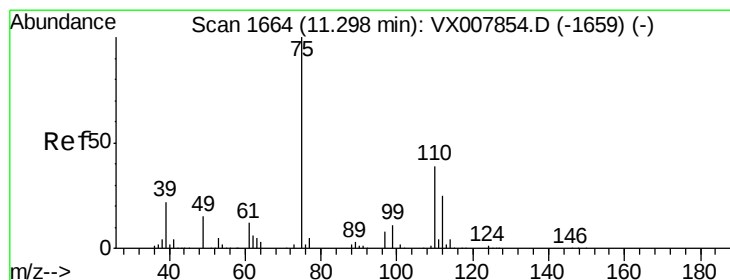
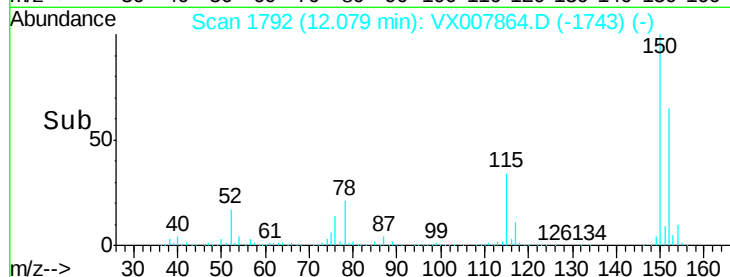
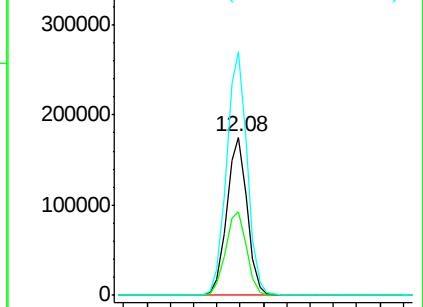
150 156.2 0.0 348.4



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: 21.574 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007864.D

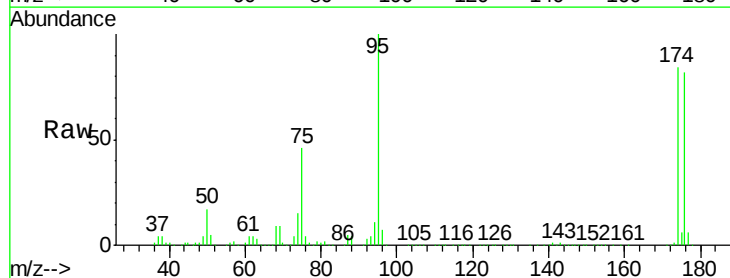
Acq: 06 Mar 2019 17:07

Tgt Ion: 75 Resp: 95929

Ion Ratio Lower Upper

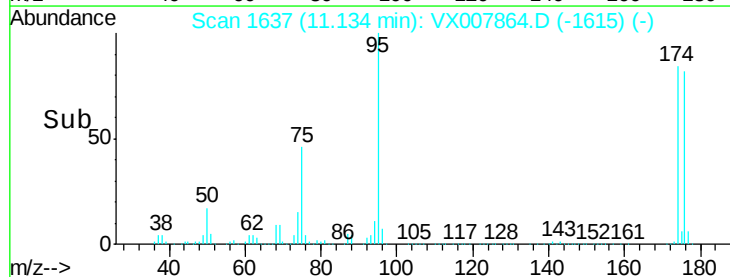
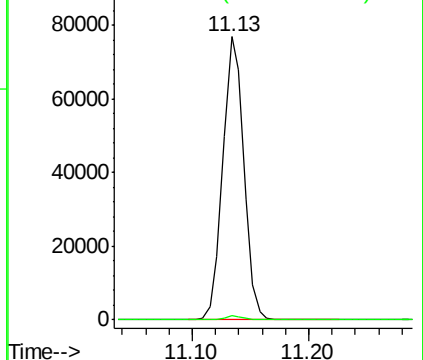
75 100

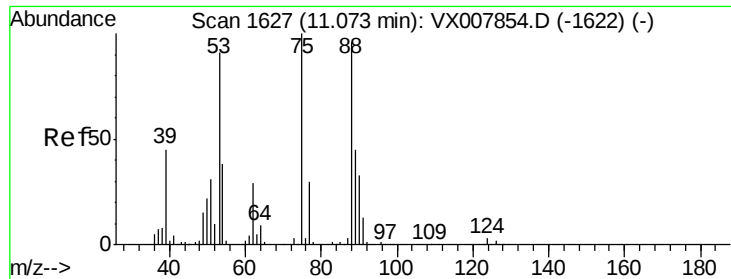
77 1.3 18.9 56.7#



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: 68.961 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007864.D

Acq: 06 Mar 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-EB-20190305

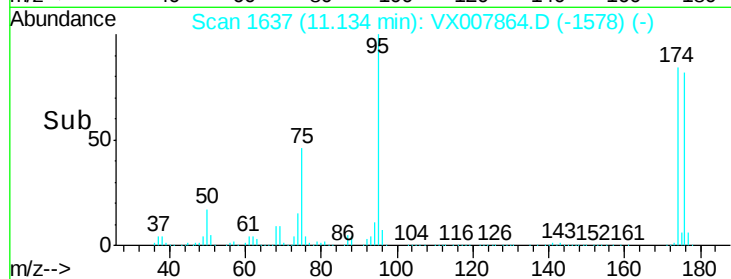
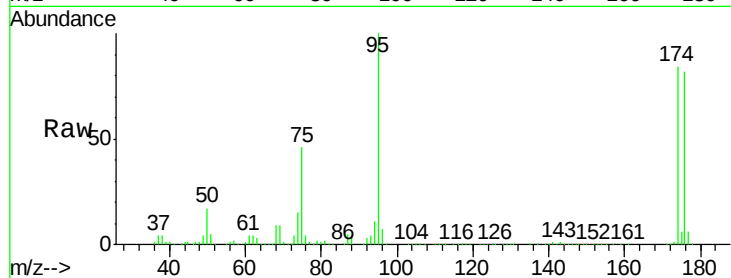
Tgt Ion: 75 Resp: 95929

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

Time-->