

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030419\
 Data File : VX007814.D
 Acq On : 04 Mar 2019 16:48
 Operator : JC/SP
 Sample : K1719-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-500-502

Quant Time: Mar 04 22:02:21 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	350078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	540423	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	507769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	245512	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	188861	43.55	ug/l	0.00
Spiked Amount			Recovery	=	87.10%	
35) Dibromofluoromethane	5.51	113	171875	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
50) Toluene-d8	8.71	98	656051	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
62) 4-Bromofluorobenzene	11.13	95	237119	46.71	ug/l	0.00
Spiked Amount			Recovery	=	93.42%	

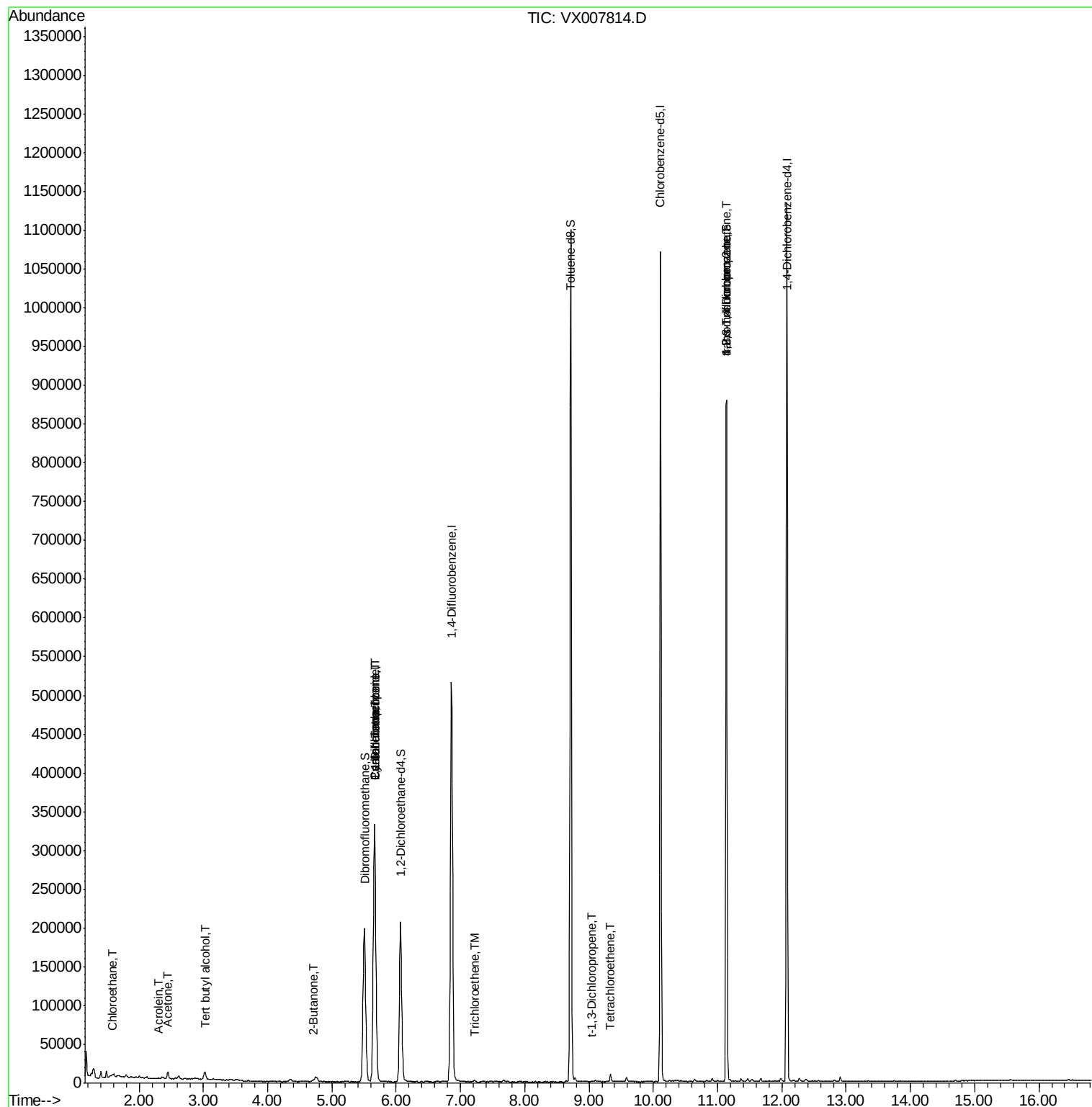
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.67	94	357	Below Cal		97
6) Chloroethane	1.57	64	6418	2.740	ug/l #	64
11) Tert butyl alcohol	3.03	59	5957	7.240	ug/l #	76
13) Acrolein	2.30	56	292	0.399	ug/l #	75
16) Acetone	2.45	43	9507	4.930	ug/l	98
25) 2-Butanone	4.71	43	3459	1.178	ug/l	91
31) Cyclohexane	5.66	56	5728	0.951	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	21695	4.465	ug/l #	47
38) Carbon Tetrachloride	5.66	117	29326	6.009	ug/l #	17
44) Trichloroethene	7.21	130	856	0.207	ug/l	85
53) t-1,3-Dichloropropene	9.04	75	19	2.806	ug/l #	43
64) Tetrachloroethene	9.34	164	1727	0.419	ug/l	89
76) 1,2,3-Trichloropropane	11.13	75	109218	20.870	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	109218	55.570	ug/l #	9

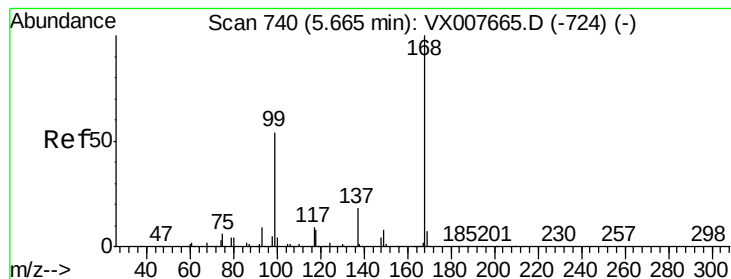
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007814.D

Acq: 04 Mar 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

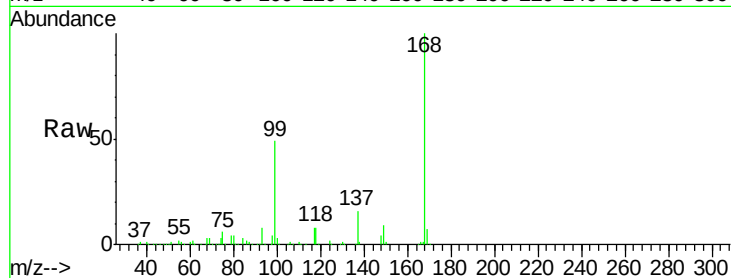
BP-VPB201-GW-500-502

Tot Ion:168 Resp: 350078

Ion Ratio Lower Upper

168 100

99 48.9 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

150000

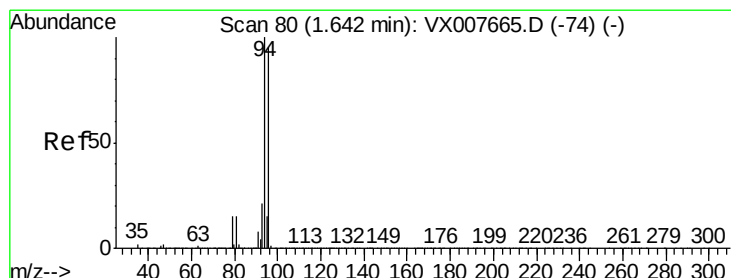
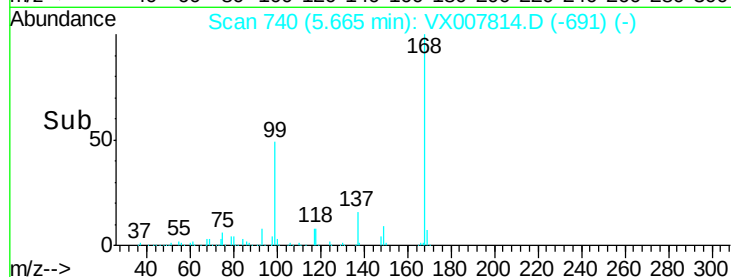
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 84

Delta R.T. 0.02 min

Lab File: VX007814.D

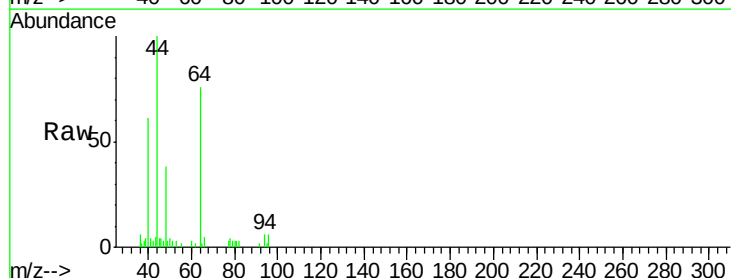
Acq: 04 Mar 2019 16:48

Tgt Ion: 94 Resp: 357

Ion Ratio Lower Upper

94 100

96 89.2 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.67

150

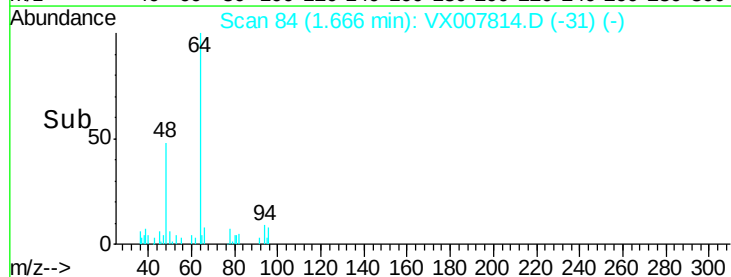
100

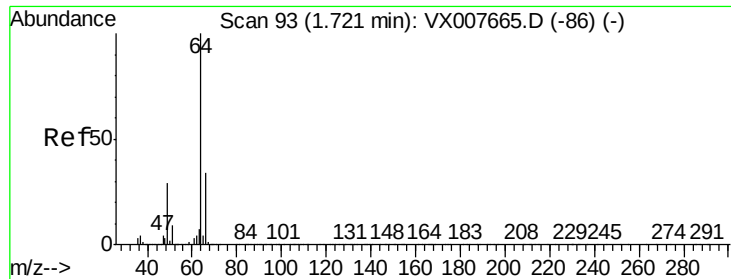
50

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 2.740 ug/l

RT: 1.57 min Scan# 69

Delta R.T. -0.15 min

Lab File: VX007814.D

Acq: 04 Mar 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

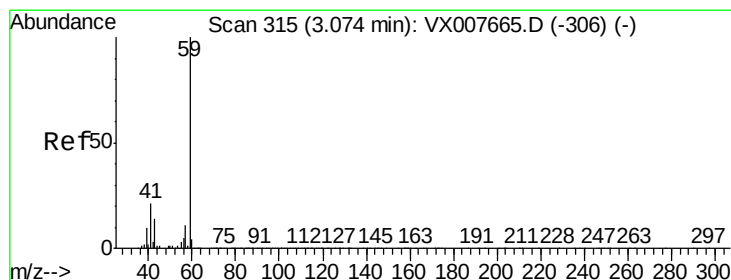
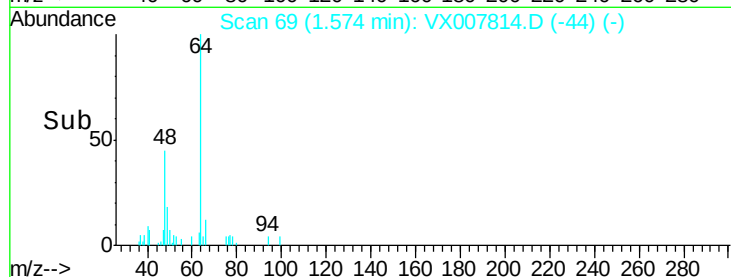
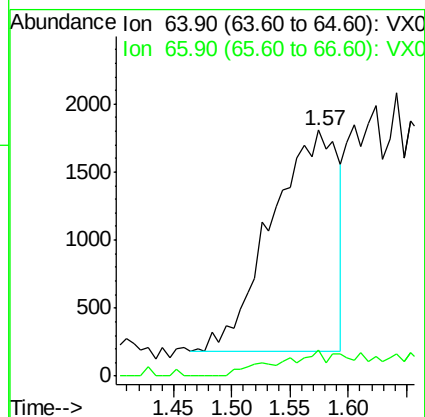
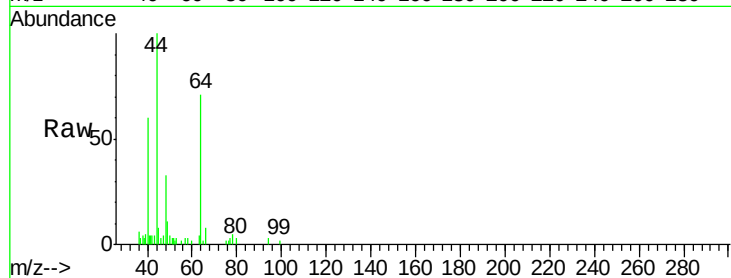
BP-VPB201-GW-500-502

Tot Ion: 64 Resp: 6418

Ion Ratio Lower Upper

64 100

66 12.0 25.5 38.3#



#11

Tert butyl alcohol

Concen: 7.240 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX007814.D

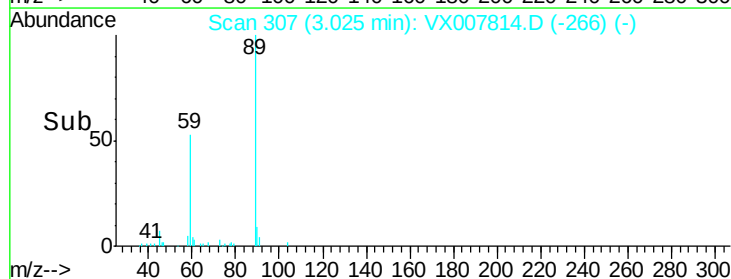
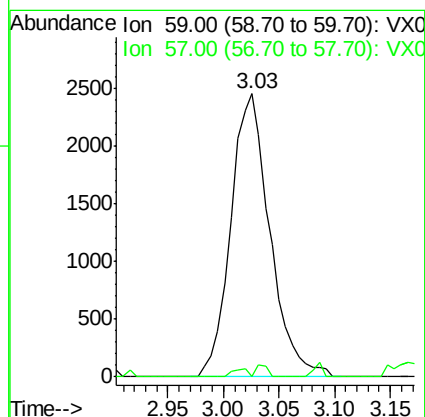
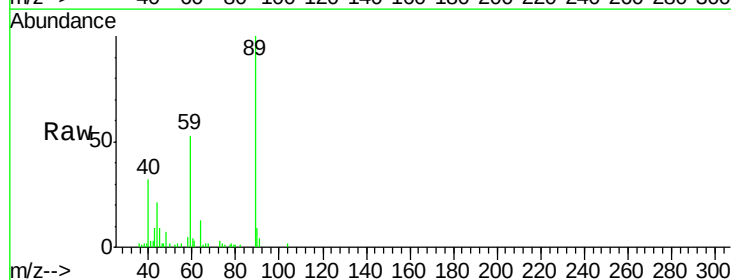
Acq: 04 Mar 2019 16:48

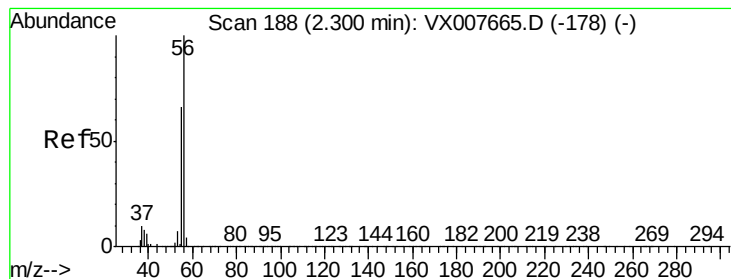
Tgt Ion: 59 Resp: 5957

Ion Ratio Lower Upper

59 100

57 1.2 8.1 12.1#





#13

Acrolein

Concen: 0.399 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007814.D

Acq: 04 Mar 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

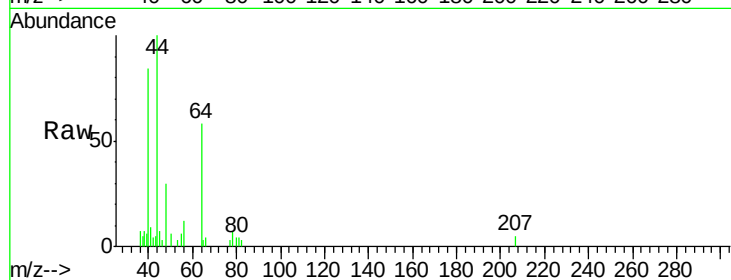
BP-VPB201-GW-500-502

Tot Ion: 56 Resp: 292

Ion Ratio Lower Upper

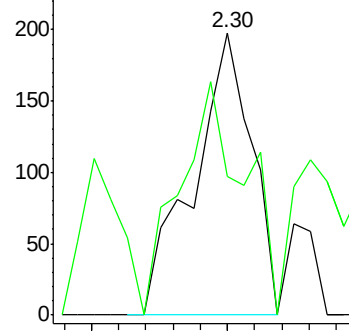
56 100

55 92.1 56.9 85.3#

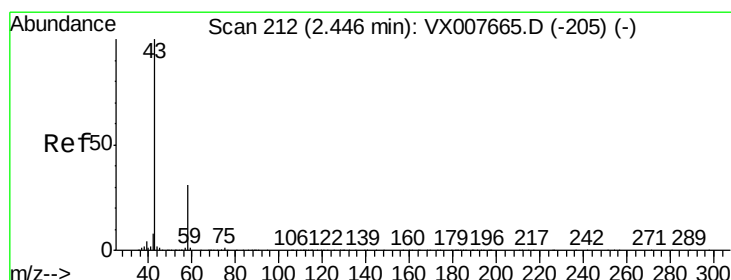
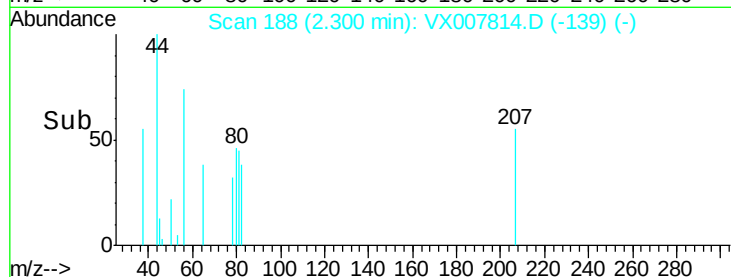


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 4.930 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007814.D

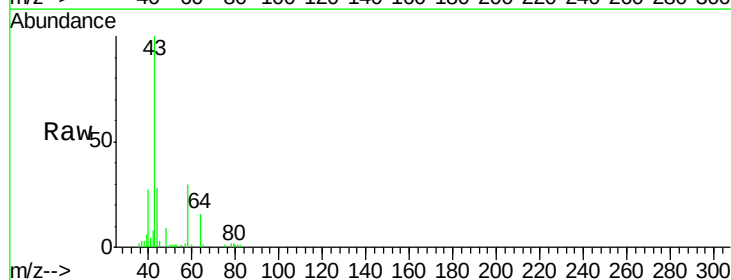
Acq: 04 Mar 2019 16:48

Tgt Ion: 43 Resp: 9507

Ion Ratio Lower Upper

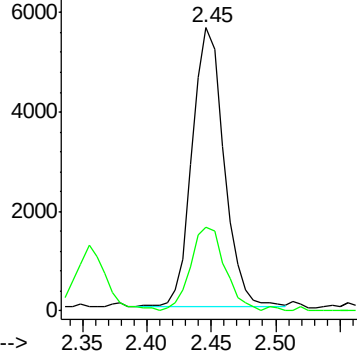
43 100

58 30.1 24.9 37.3

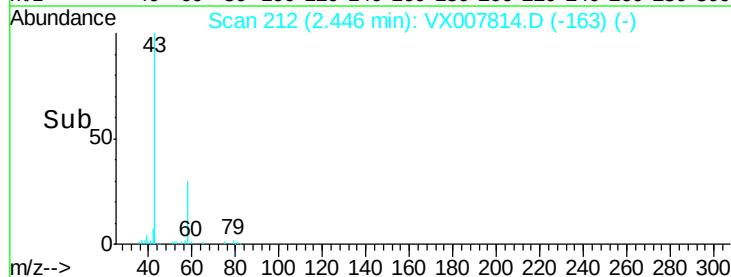


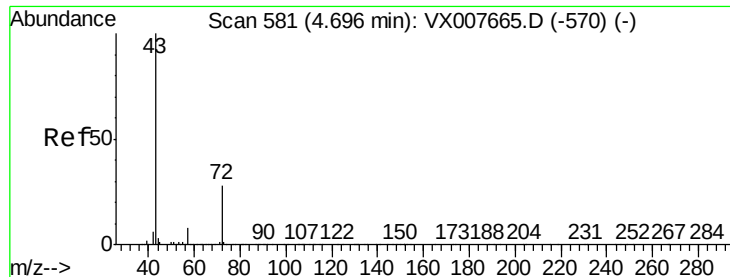
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#25

2-Butanone

Concen: 1.178 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX007814.D

Acq: 04 Mar 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

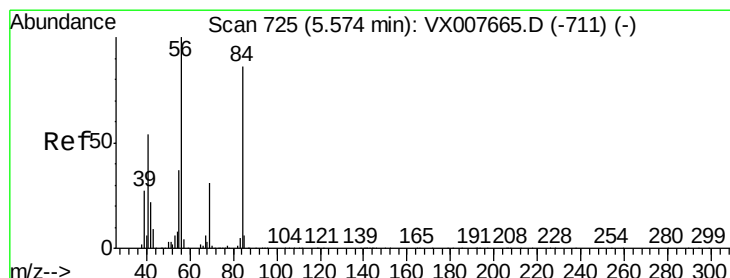
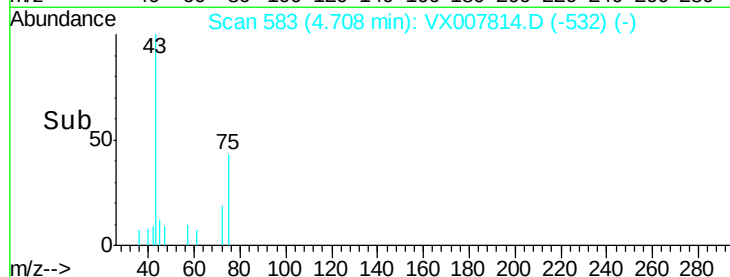
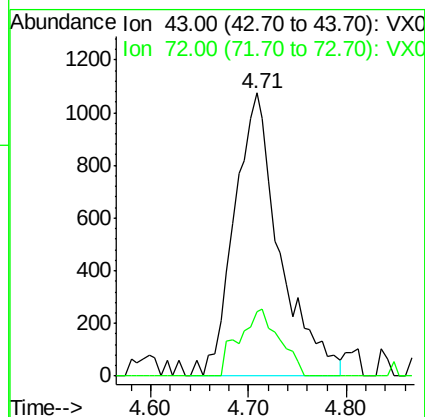
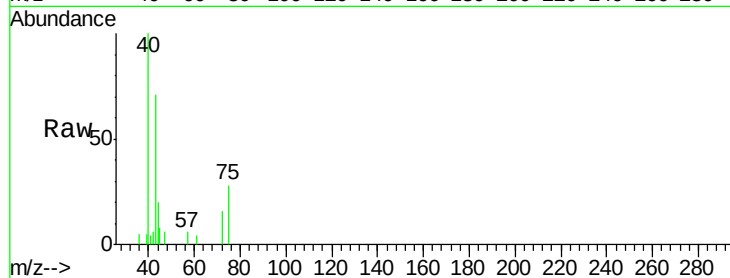
BP-VPB201-GW-500-502

Tot Ion: 43 Resp: 3459

Ion Ratio Lower Upper

43 100

72 22.8 22.2 33.2



#31

Cyclohexane

Concen: 0.951 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX007814.D

Acq: 04 Mar 2019 16:48

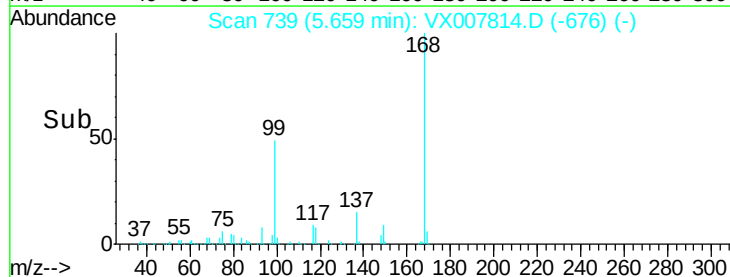
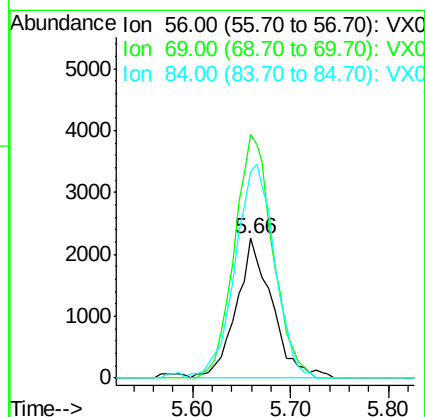
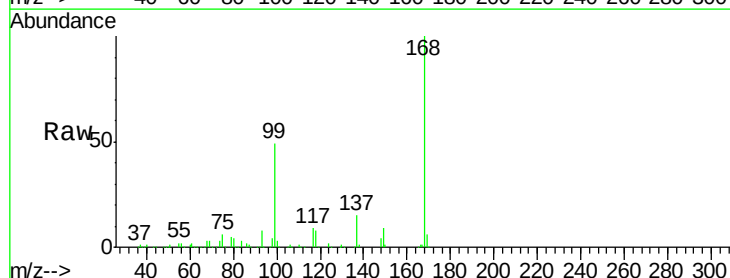
Tgt Ion: 56 Resp: 5728

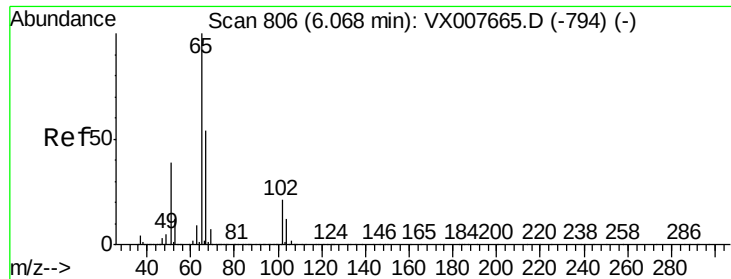
Ion Ratio Lower Upper

56 100

69 174.4 23.0 34.6#

84 148.0 69.8 104.6#

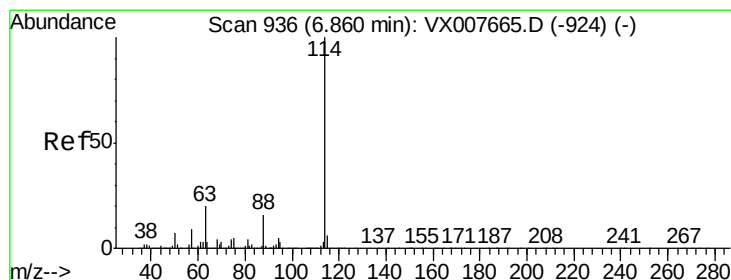
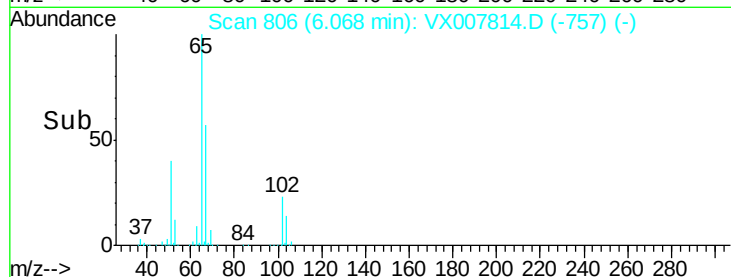
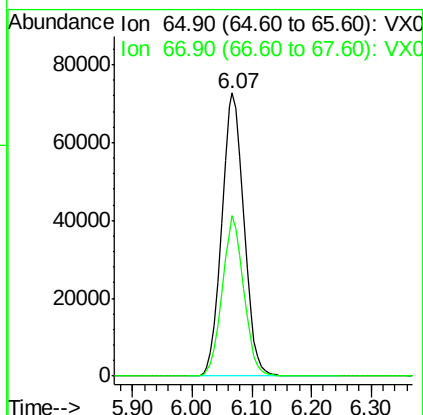
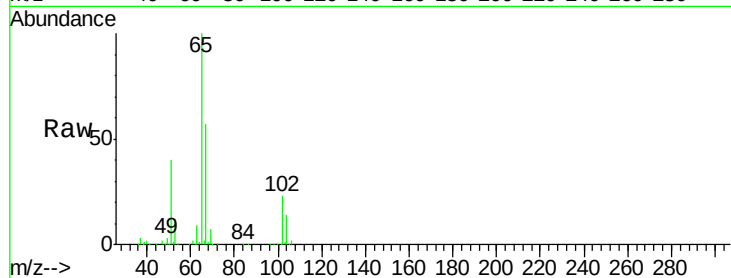




#33
 1,2-Dichloroethane-d4
 Concen: 43.553 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007814.D
 Acq: 04 Mar 2019 16:48

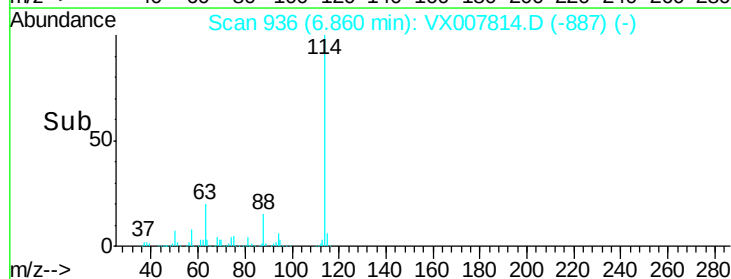
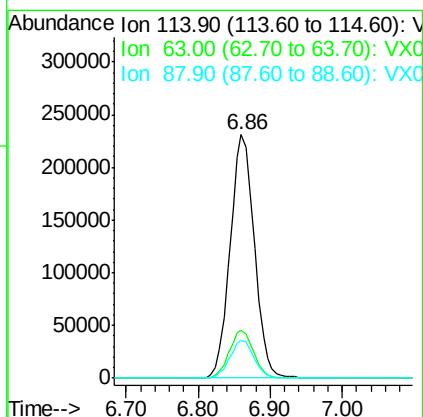
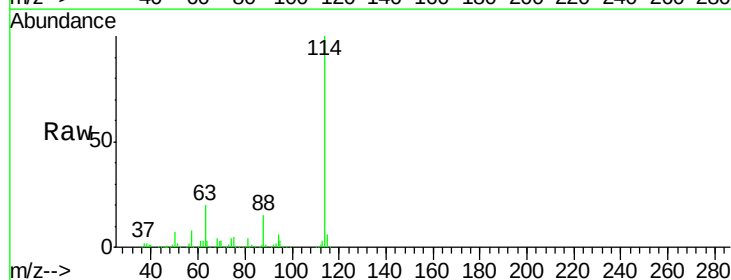
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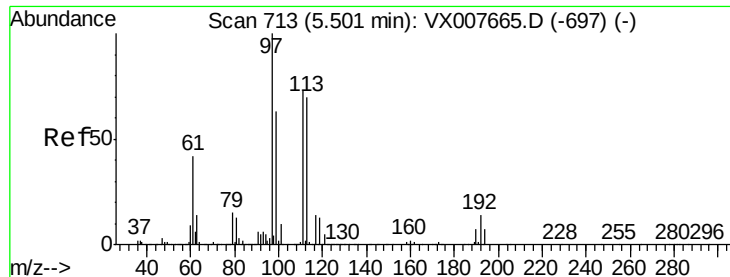
Tot Ion: 65 Resp: 188861
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007814.D
 Acq: 04 Mar 2019 16:48

Tgt Ion: 114 Resp: 540423
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 35.6
 88 15.4 0.0 29.6

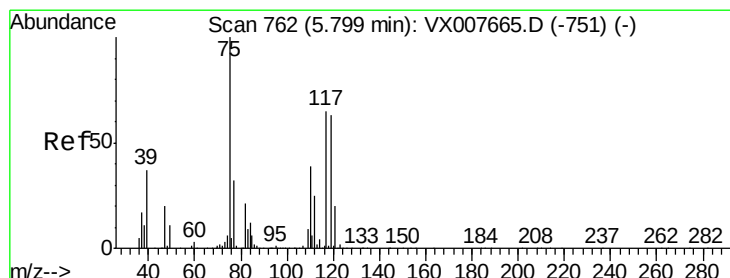
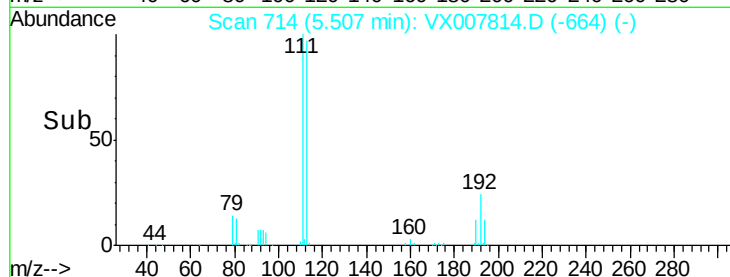
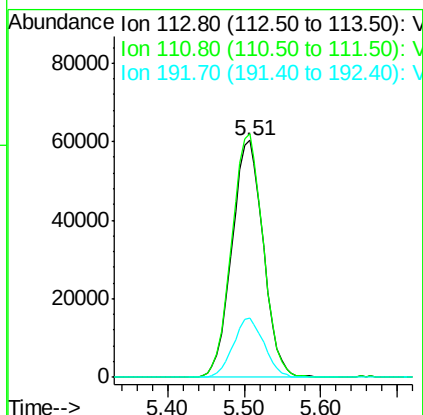
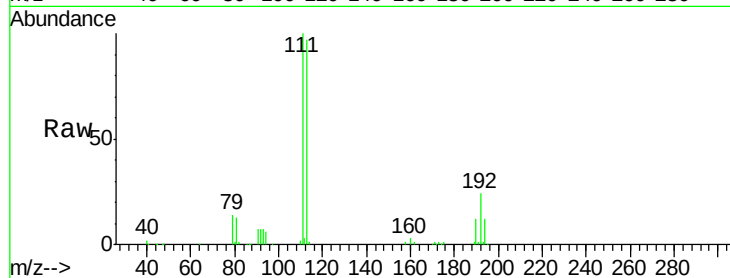




#35
 Dibromofluoromethane
 Concen: 47.577 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX007814.D
 Acq: 04 Mar 2019 16:48

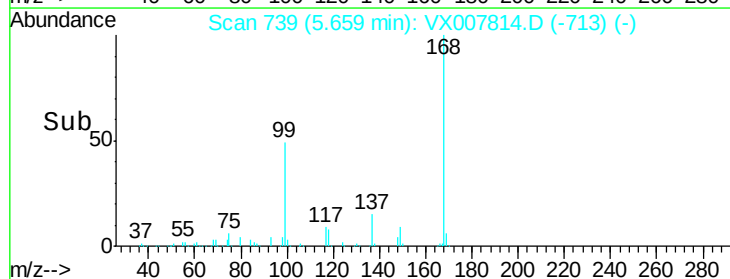
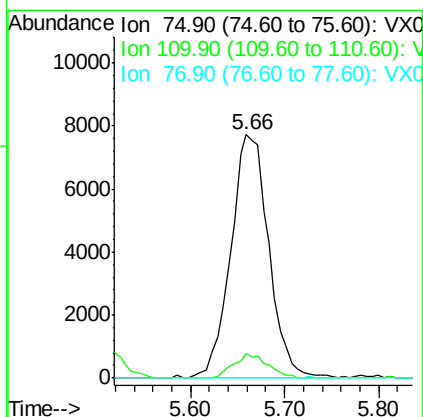
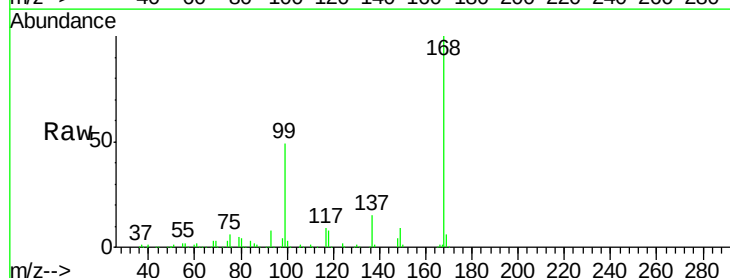
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-500-502

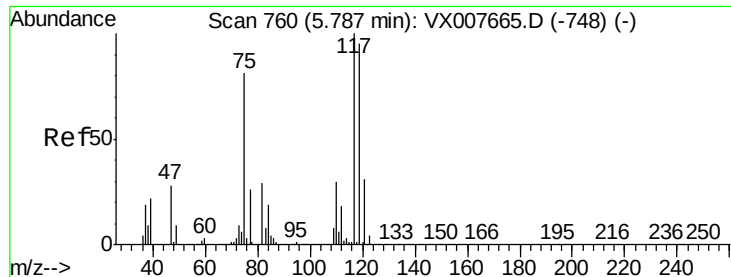
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.8
192	24.6	18.5	27.7



#36
 1,1-Dichloropropene
 Concen: 4.465 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX007814.D
 Acq: 04 Mar 2019 16:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	20.0	59.9#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.009 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX007814.D

Acq: 04 Mar 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-500-502

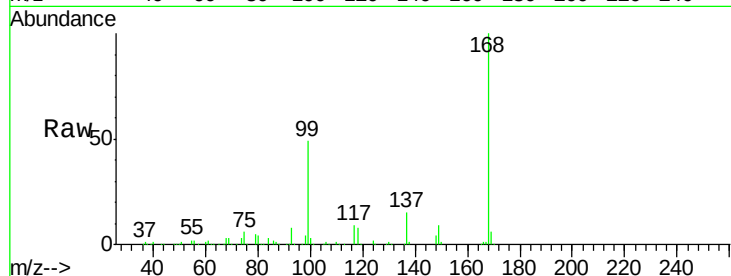
Tot Ion:117 Resp: 29326

Ion Ratio Lower Upper

117 100

119 5.4 75.3 112.9#

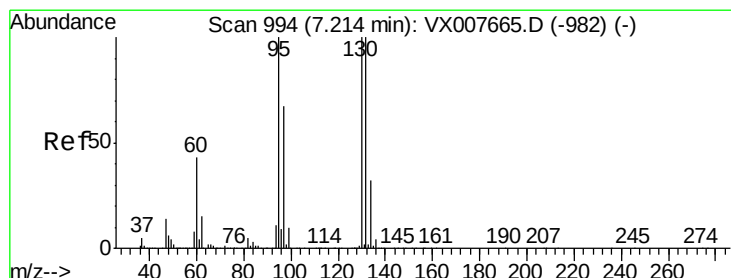
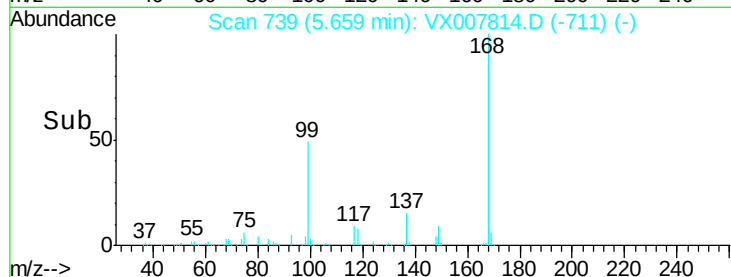
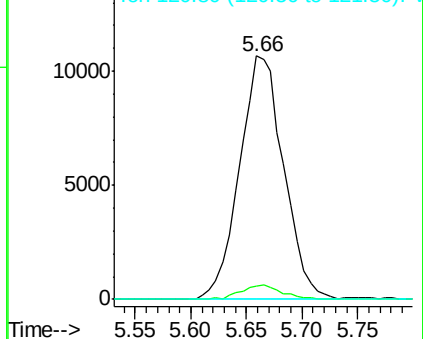
121 0.0 25.0 37.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 0.207 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX007814.D

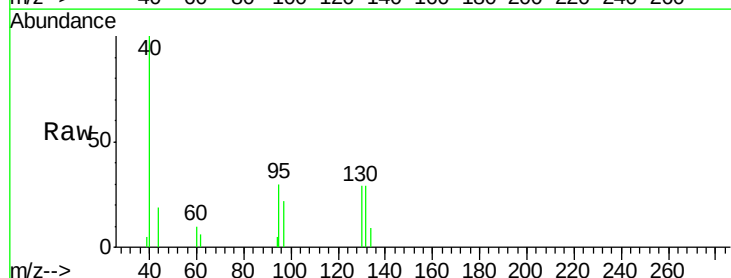
Acq: 04 Mar 2019 16:48

Tgt Ion:130 Resp: 856

Ion Ratio Lower Upper

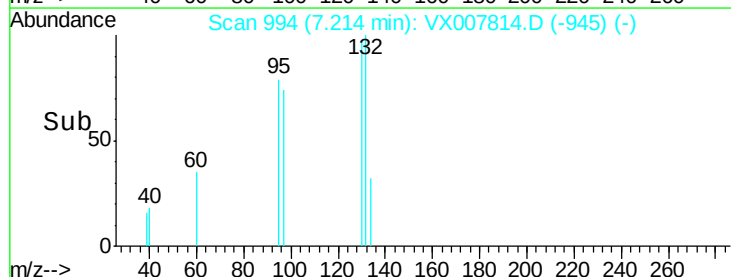
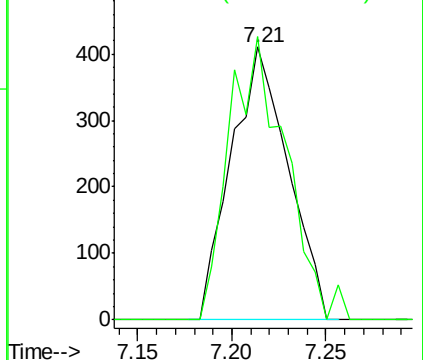
130 100

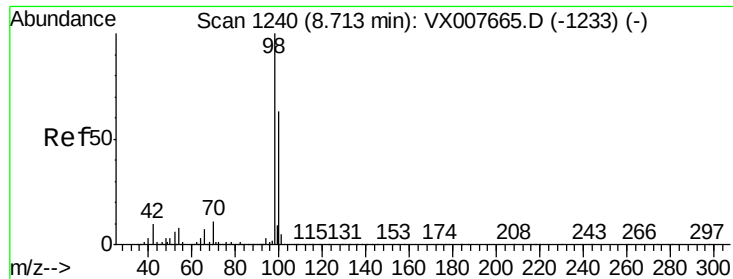
95 103.9 0.0 180.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 47.436 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007814.D

Acq: 04 Mar 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

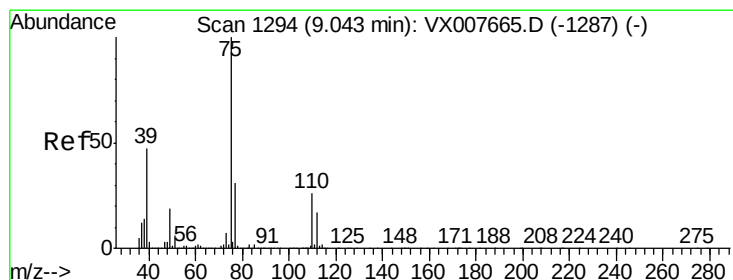
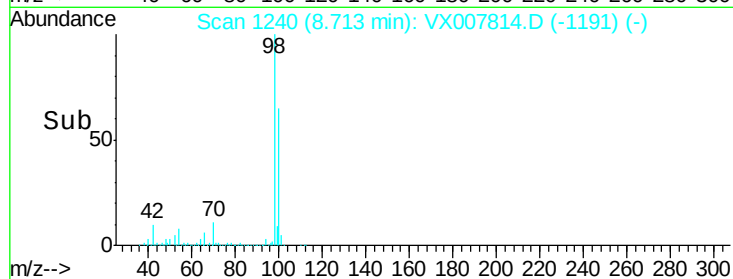
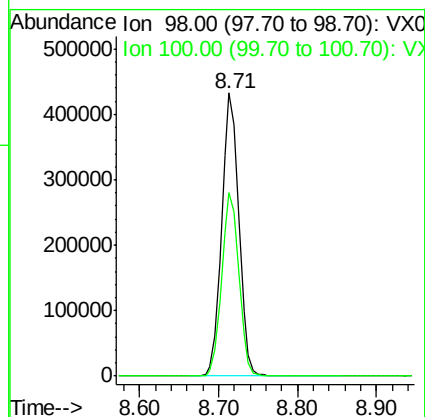
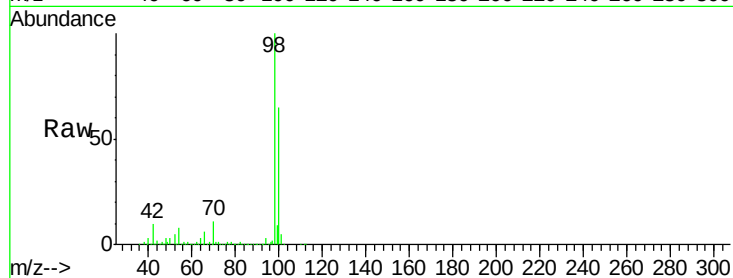
BP-VPB201-GW-500-502

Tot Ion: 98 Resp: 656051

Ion Ratio Lower Upper

98 100

100 64.9 51.6 77.4



#53

t-1,3-Dichloropropene

Concen: 2.806 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX007814.D

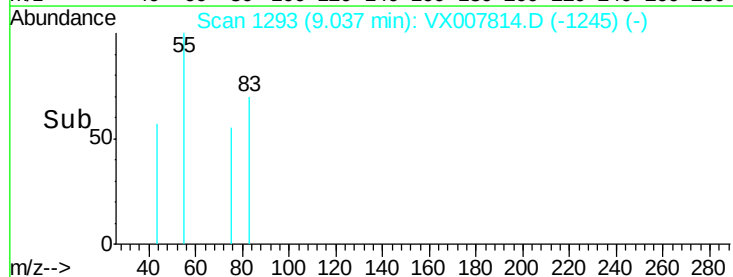
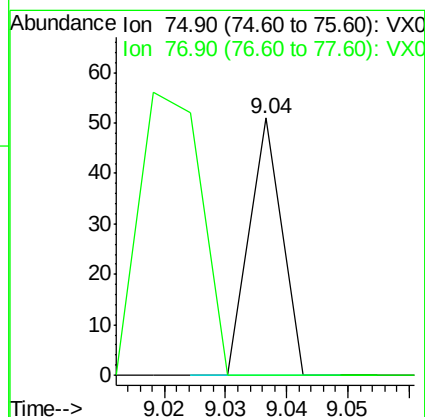
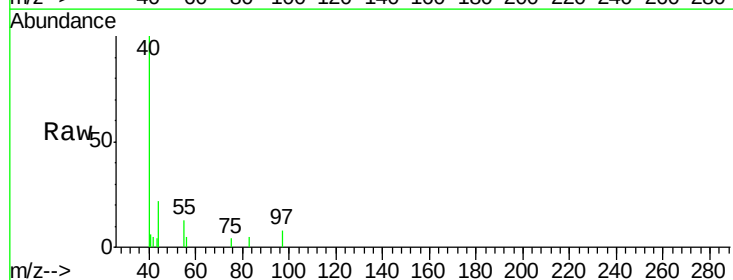
Acq: 04 Mar 2019 16:48

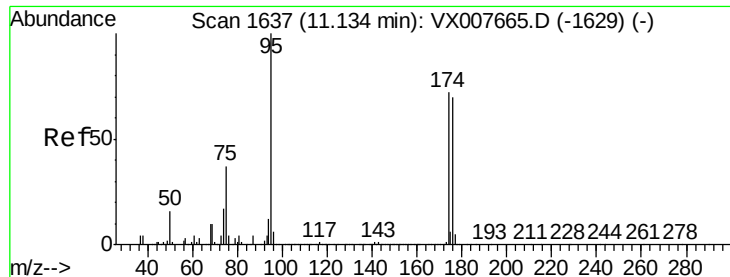
Tgt Ion: 75 Resp: 19

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#





#62

4-Bromofluorobenzene

Concen: 46.712 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007814.D

Acq: 04 Mar 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-500-502

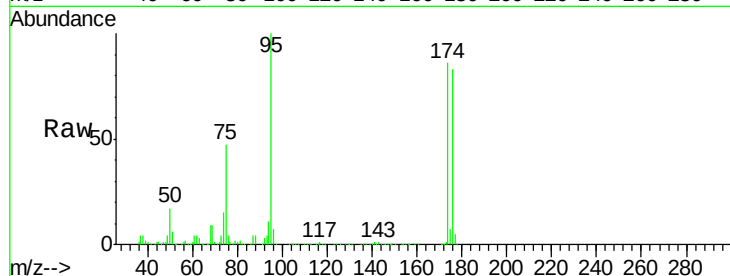
Tot Ion: 95 Resp: 237119

Ion Ratio Lower Upper

95 100

174 93.4 0.0 189.2

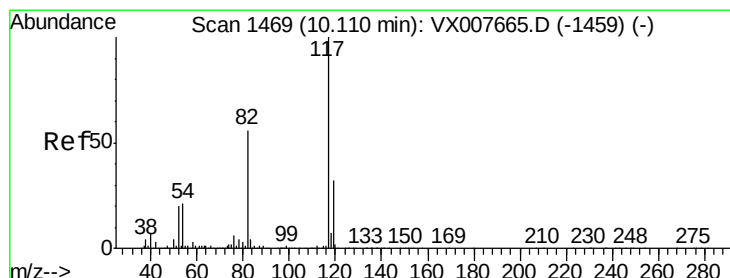
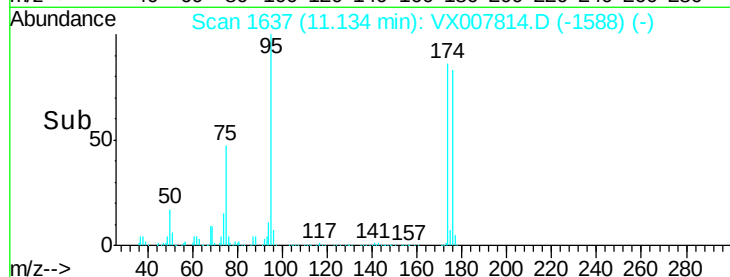
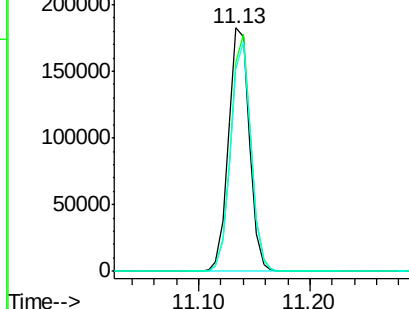
176 90.7 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX007814.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX007814.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX007814.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX007814.D

Acq: 04 Mar 2019 16:48

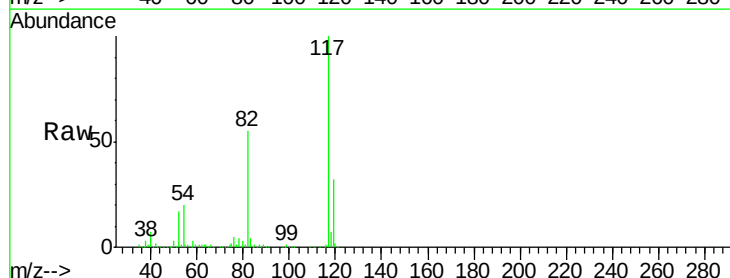
Tgt Ion: 117 Resp: 507769

Ion Ratio Lower Upper

117 100

82 55.1 42.1 63.1

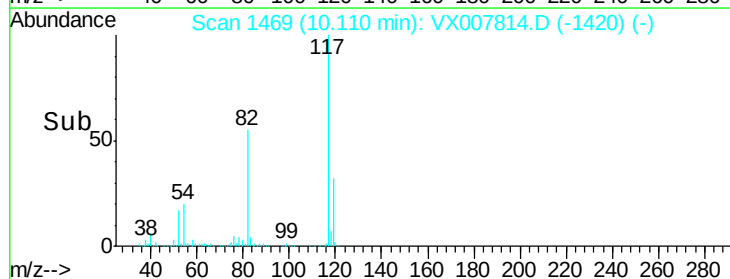
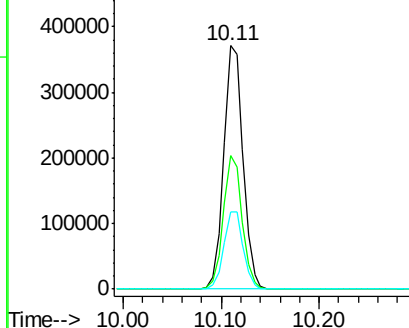
119 31.7 26.5 39.7

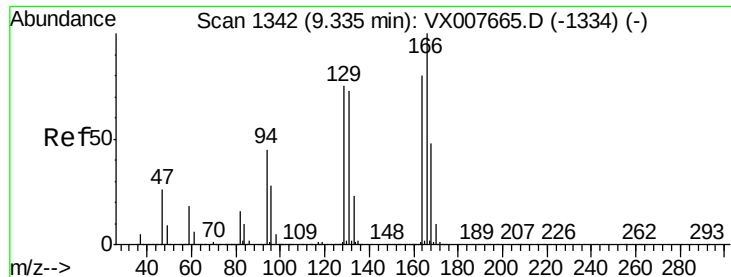


Abundance Ion 116.90 (116.60 to 117.60): VX007814.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX007814.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX007814.D (-1420) (-)

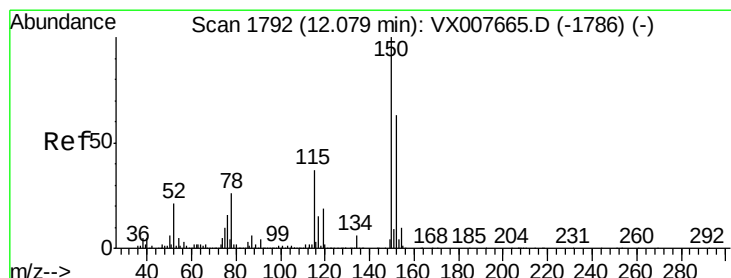
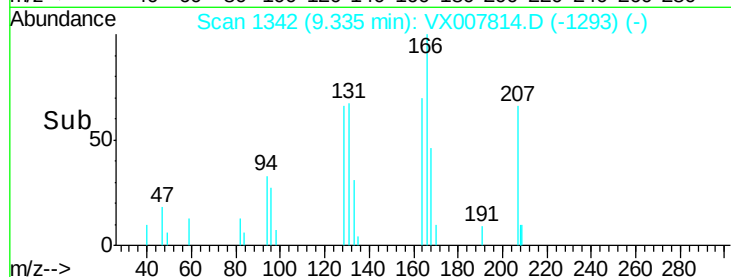
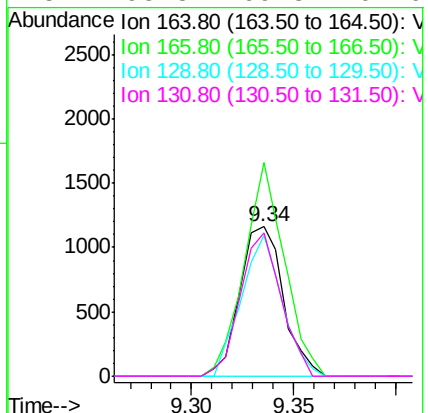
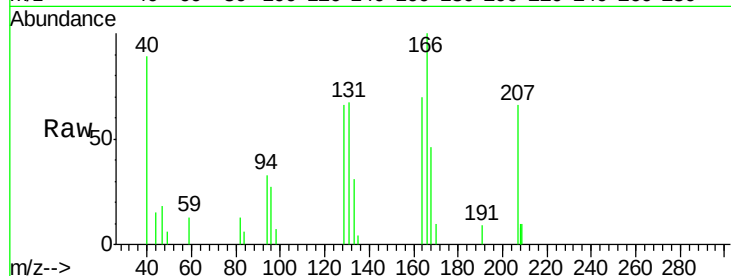




#64
Tetrachloroethene
Concen: 0.419 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007814.D
Acq: 04 Mar 2019 16:48

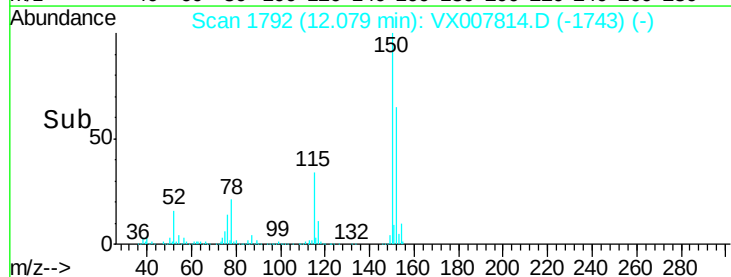
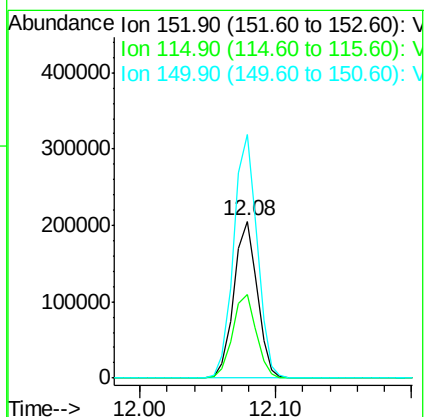
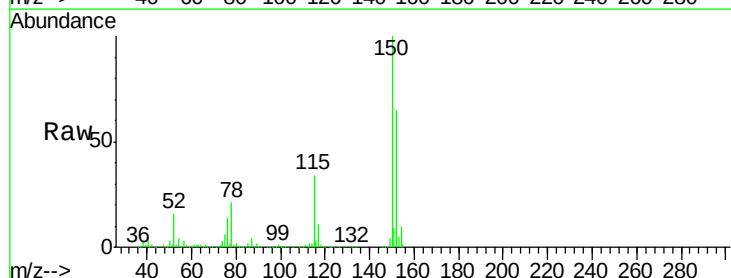
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-500-502

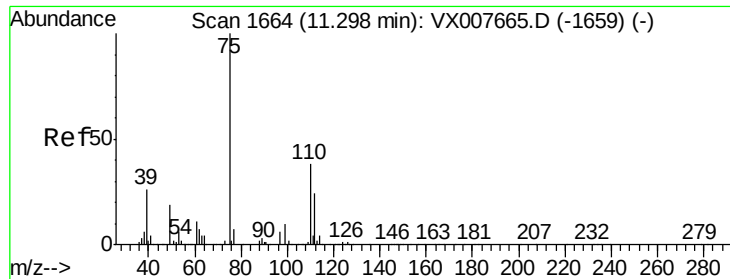
Tot Ion:164 Resp: 1727
Ion Ratio Lower Upper
164 100
166 142.9 101.0 151.4
129 94.3 70.5 105.7
131 95.8 69.8 104.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007814.D
Acq: 04 Mar 2019 16:48

Tgt Ion:152 Resp: 245512
Ion Ratio Lower Upper
152 100
115 54.5 38.0 114.0
150 156.8 0.0 346.4

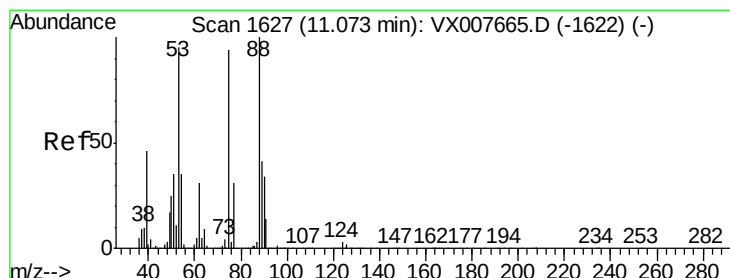
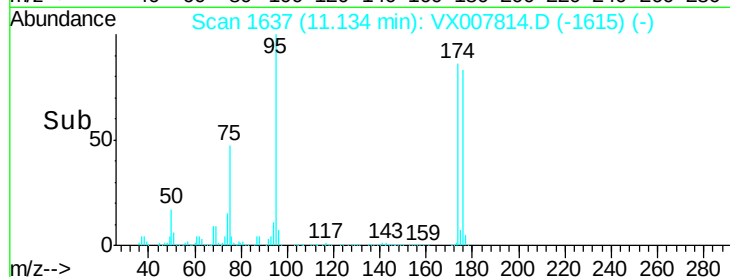
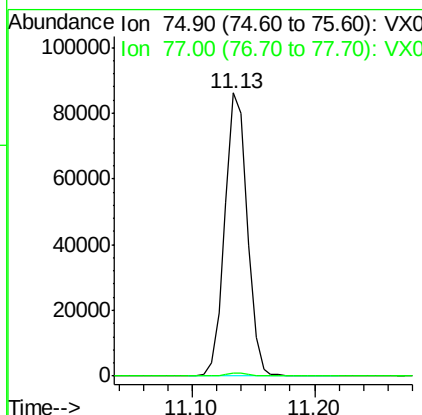
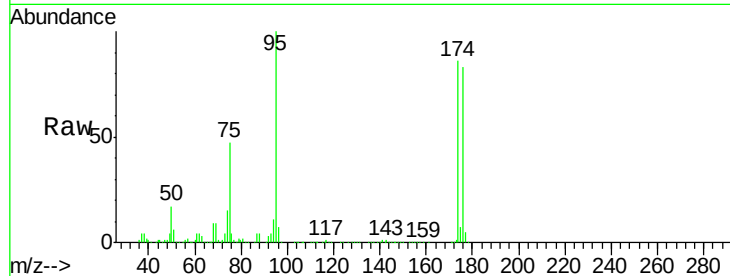




#76
 1,2,3-Trichloropropane
 Concen: 20.870 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007814.D
 Acq: 04 Mar 2019 16:48

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-500-502

Tot Ion: 75 Resp: 109218
 Ion Ratio Lower Upper
 75 100
 77 1.3 23.0 69.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.570 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX007814.D
 Acq: 04 Mar 2019 16:48

Tgt Ion: 75 Resp: 109218
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.0 121.6#
 89 0.0 41.4 62.0#

