

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031319\
 Data File : VX008043.D
 Acq On : 13 Mar 2019 12:38
 Operator : JC/SP
 Sample : K1840-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-DUP-20190308

Quant Time: Mar 13 12:59:07 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	249259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	387675	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	368729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	183739	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	131904	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
35) Dibromofluoromethane	5.50	113	124032	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
50) Toluene-d8	8.71	98	472193	51.85	ug/l	0.00
Spiked Amount			Recovery	=	103.70%	
62) 4-Bromofluorobenzene	11.13	95	177496	55.59	ug/l	0.00
Spiked Amount			Recovery	=	111.18%	

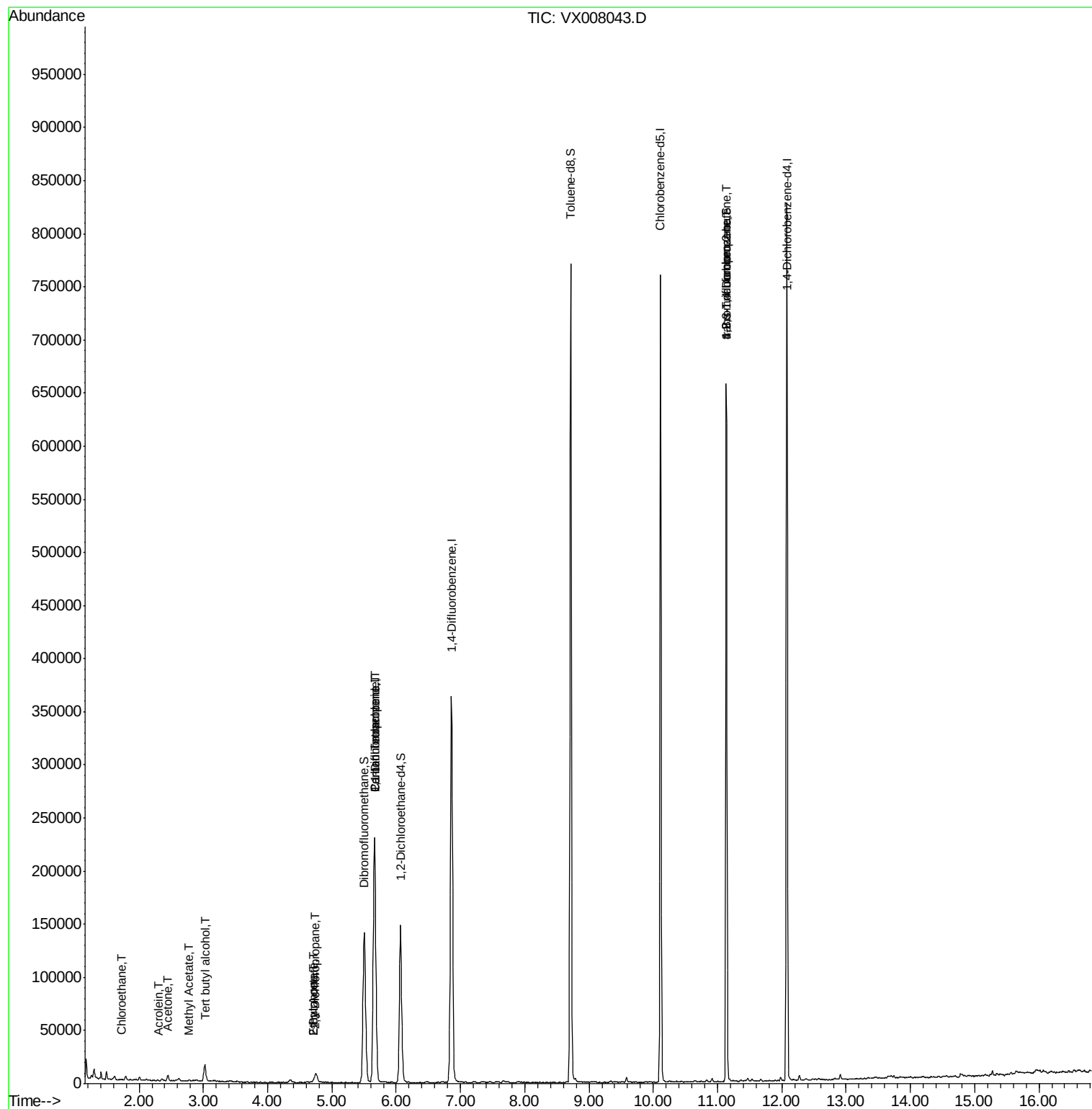
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	301	Below Cal	#	78
6) Chloroethane	1.73	64	472	0.261	ug/l #	43
11) Tert butyl alcohol	3.02	59	9341	15.885	ug/l #	74
13) Acrolein	2.30	56	175	2.064	ug/l	89
16) Acetone	2.45	43	5630	3.699	ug/l	98
17) Carbon Disulfide	2.57	76	857	Below Cal	#	94
18) Methyl Acetate	2.78	43	811	0.251	ug/l #	82
25) 2-Butanone	4.70	43	2691	1.249	ug/l	91
26) 2,2-Dichloropropane	4.74	77	703	0.241	ug/l #	51
36) 1,1-Dichloropropene	5.66	75	15278	4.352	ug/l #	49
37) Ethyl Acetate	4.70	43	2691	0.646	ug/l #	68
38) Carbon Tetrachloride	5.66	117	20910	6.274	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	80829	20.964	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	80829	67.011	ug/l #	11

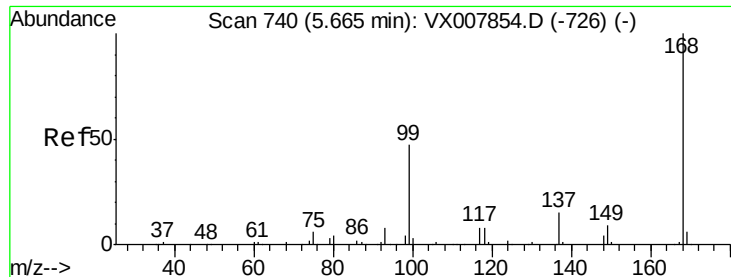
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008043.D

Acq: 13 Mar 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

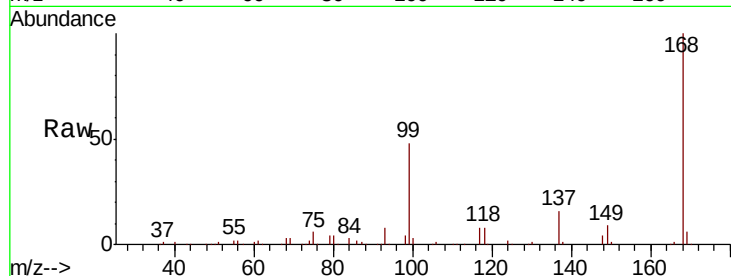
BP-VPB201-DUP-20190308

Tgt Ion:168 Resp: 249259

Ion Ratio Lower Upper

168 100

99 47.7 37.6 56.4

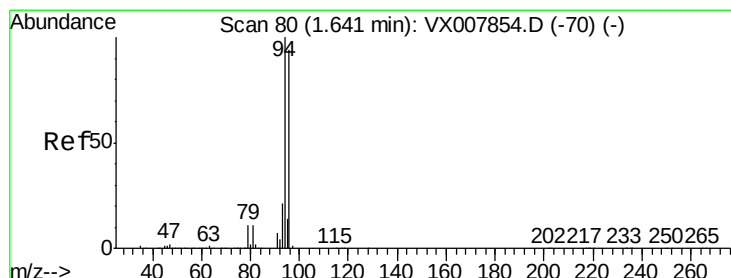
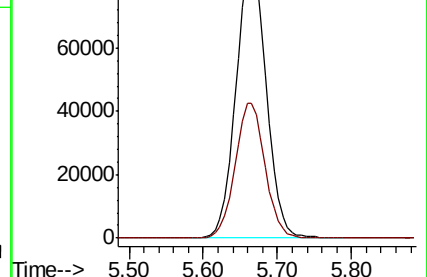
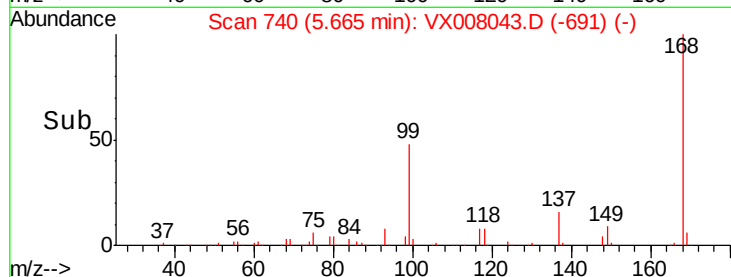


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX008043.D

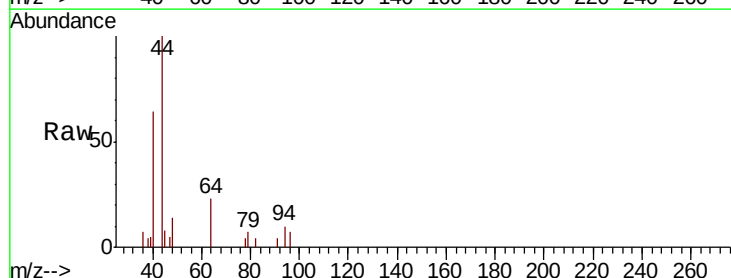
Acq: 13 Mar 2019 12:38

Tgt Ion: 94 Resp: 301

Ion Ratio Lower Upper

94 100

96 72.9 75.5 113.3#

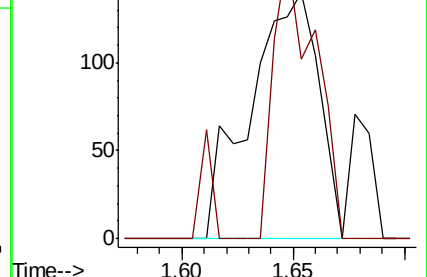
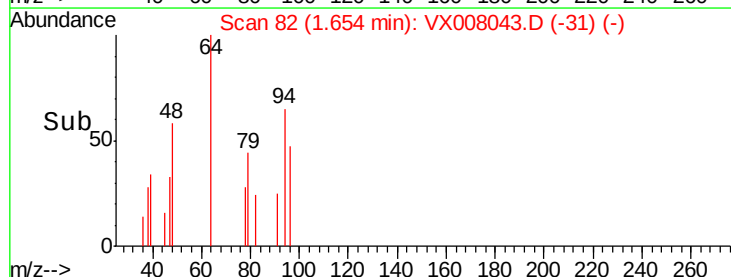


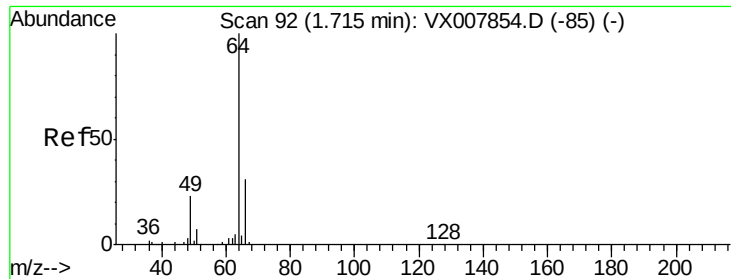
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

Time-->





#6

Chloroethane

Concen: 0.261 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008043.D

Acq: 13 Mar 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

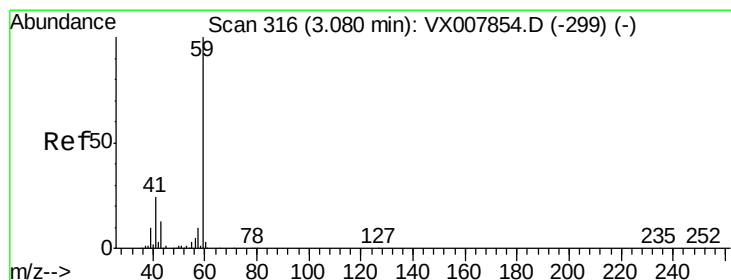
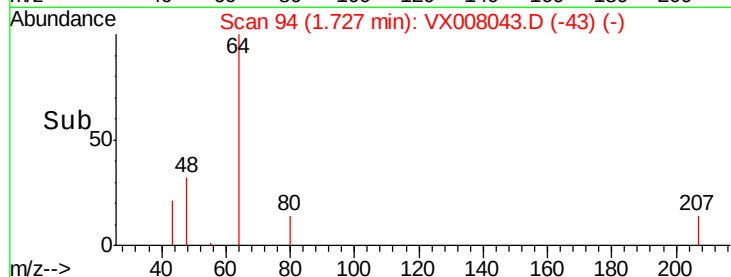
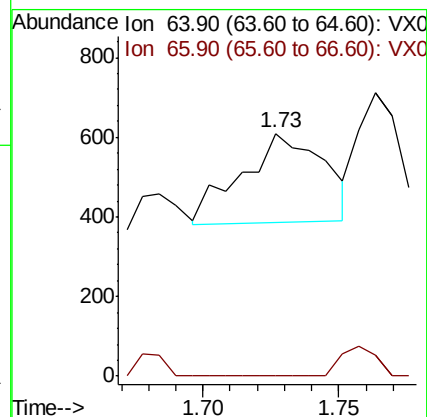
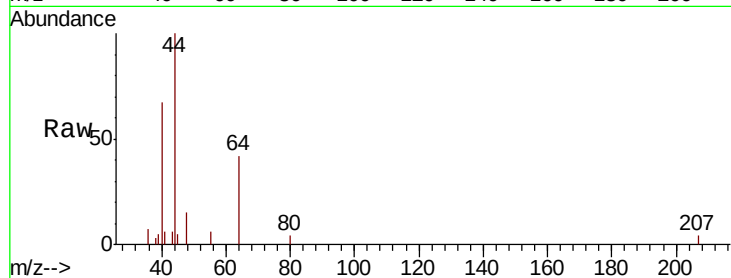
BP-VPB201-DUP-20190308

Tgt Ion: 64 Resp: 472

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#



#11

Tert butyl alcohol

Concen: 15.885 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX008043.D

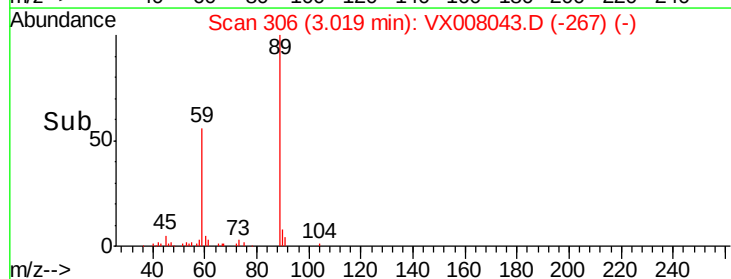
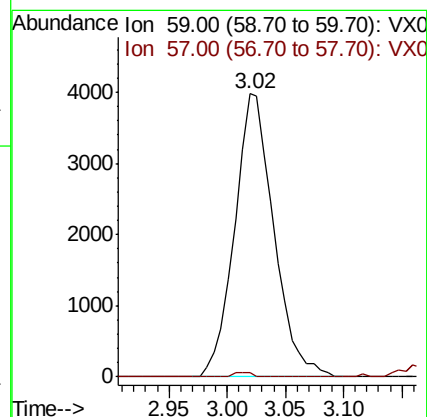
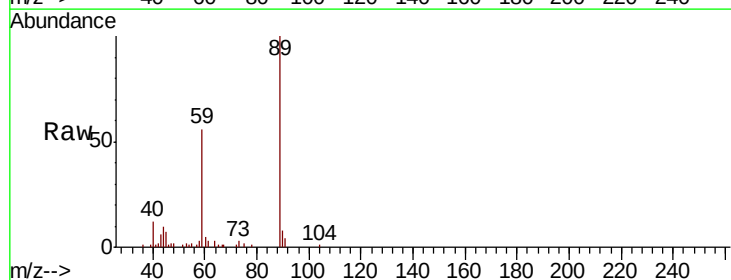
Acq: 13 Mar 2019 12:38

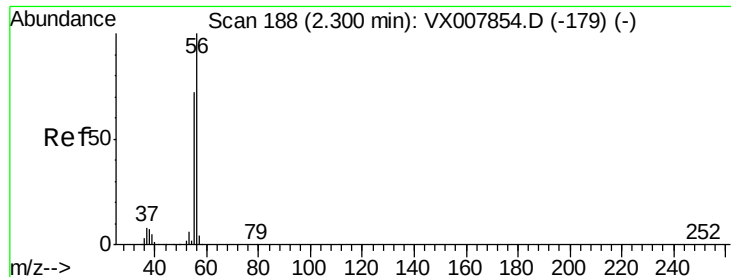
Tgt Ion: 59 Resp: 9341

Ion Ratio Lower Upper

59 100

57 0.7 8.2 12.2#

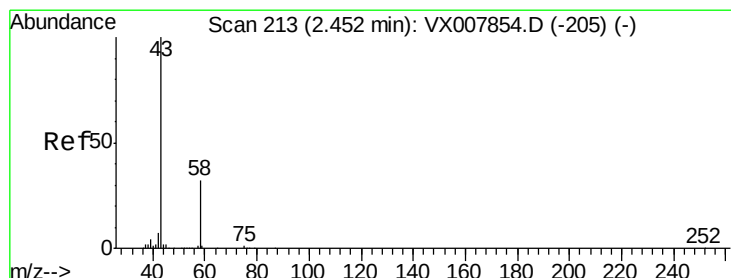
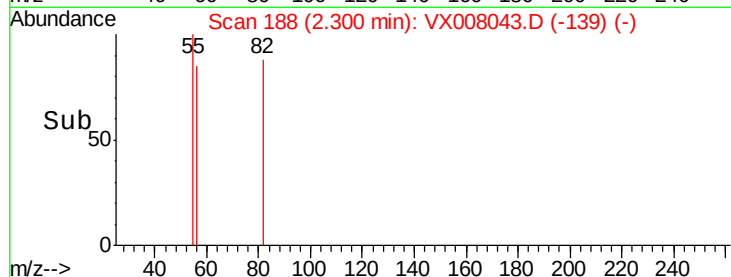
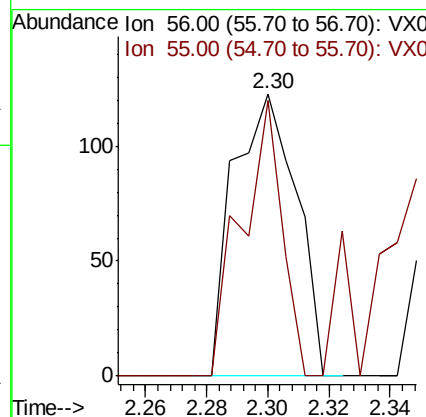
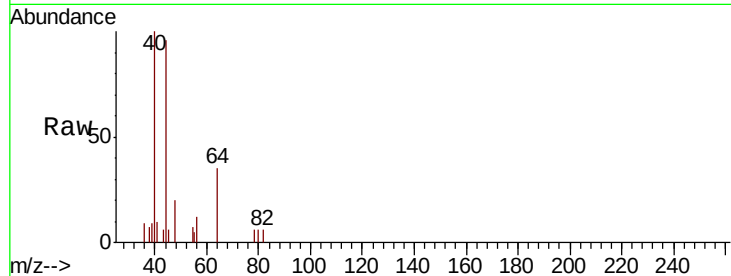




#13
Acrolein
Concen: 2.064 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.00 min
Lab File: VX008043.D
Acq: 13 Mar 2019 12:38

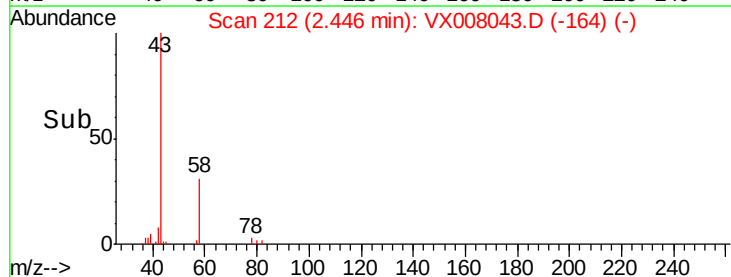
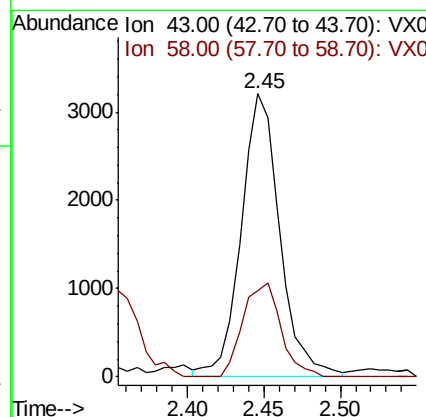
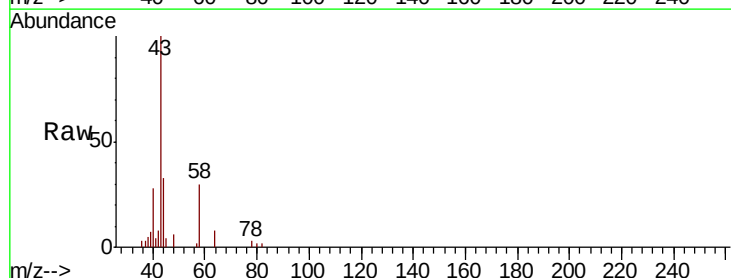
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-DUP-20190308

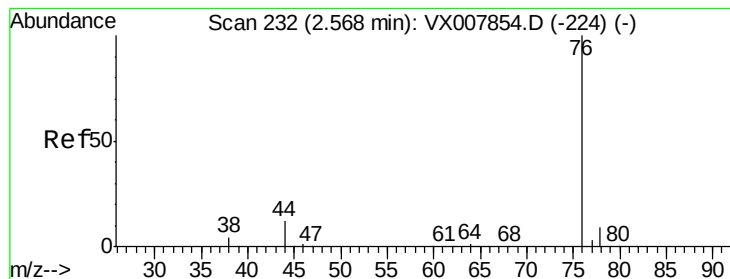
Tgt Ion: 56 Resp: 175
Ion Ratio Lower Upper
56 100
55 63.4 57.8 86.6



#16
Acetone
Concen: 3.699 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.01 min
Lab File: VX008043.D
Acq: 13 Mar 2019 12:38

Tgt Ion: 43 Resp: 5630
Ion Ratio Lower Upper
43 100
58 30.9 25.5 38.3





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008043.D

Acq: 13 Mar 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

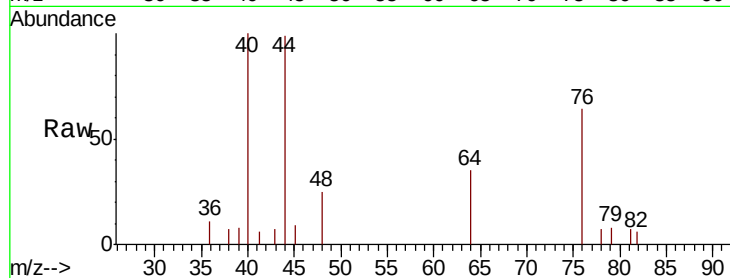
BP-VPB201-DUP-20190308

Tgt Ion: 76 Resp: 857

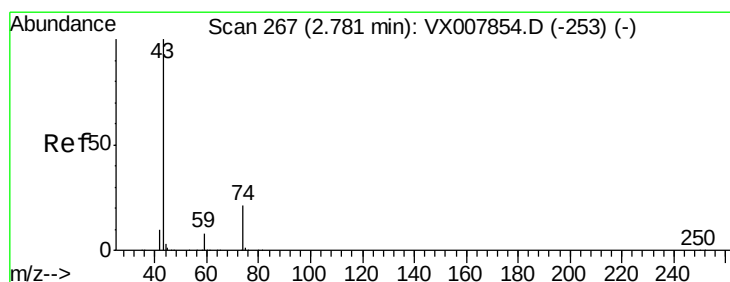
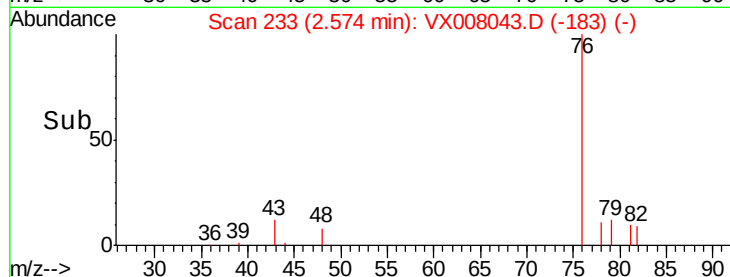
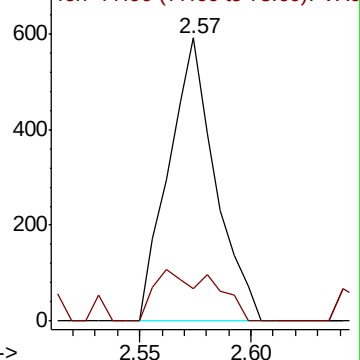
Ion Ratio Lower Upper

76 100

78 11.3 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0



#18

Methyl Acetate

Concen: 0.251 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX008043.D

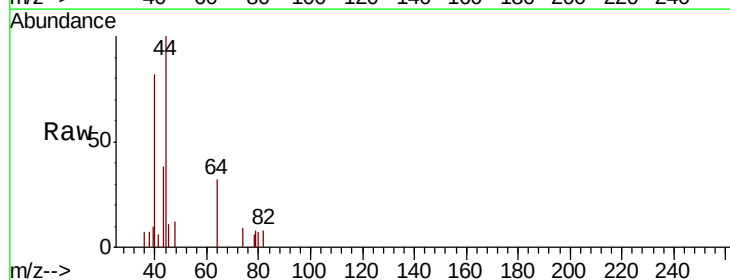
Acq: 13 Mar 2019 12:38

Tgt Ion: 43 Resp: 811

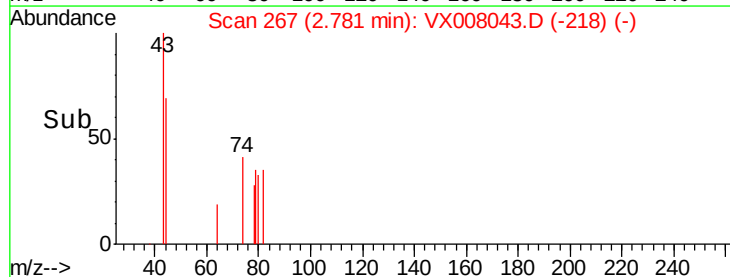
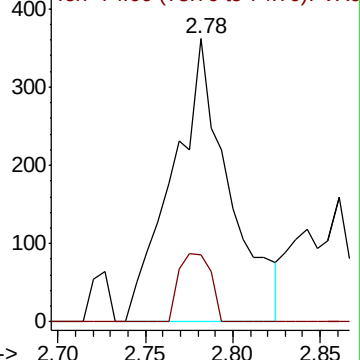
Ion Ratio Lower Upper

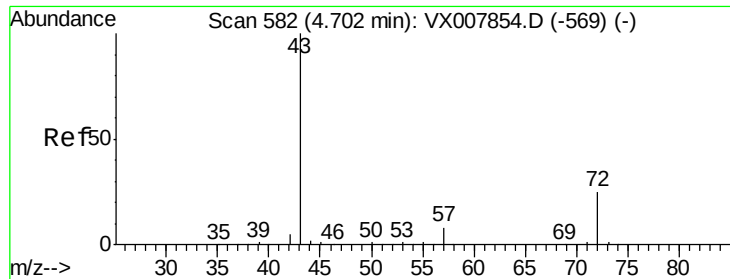
43 100

74 13.7 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0





#25

2-Butanone

Concen: 1.249 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX008043.D

Acq: 13 Mar 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

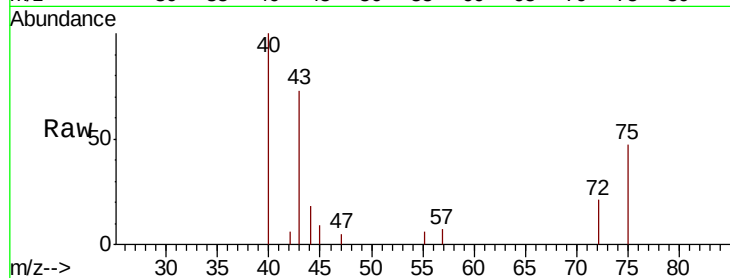
BP-VPB201-DUP-20190308

Tgt Ion: 43 Resp: 2691

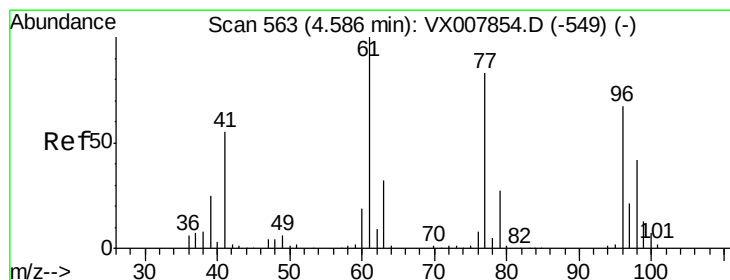
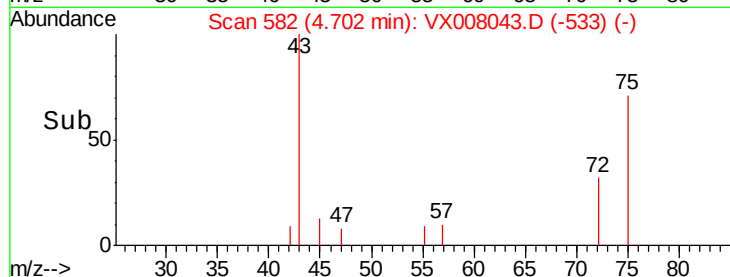
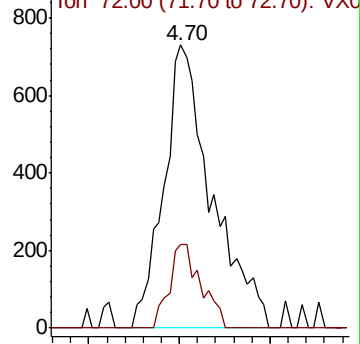
Ion Ratio Lower Upper

43 100

72 29.5 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VX0



#26

2,2-Dichloropropane

Concen: 0.241 ug/l

RT: 4.74 min Scan# 588

Delta R.T. 0.15 min

Lab File: VX008043.D

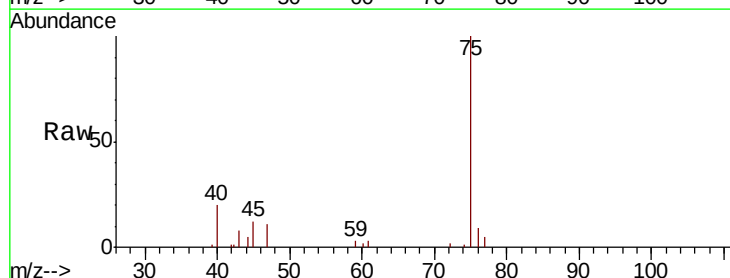
Acq: 13 Mar 2019 12:38

Tgt Ion: 77 Resp: 703

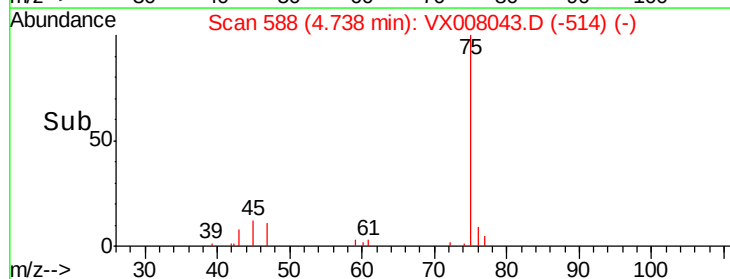
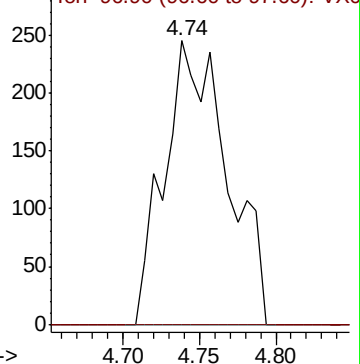
Ion Ratio Lower Upper

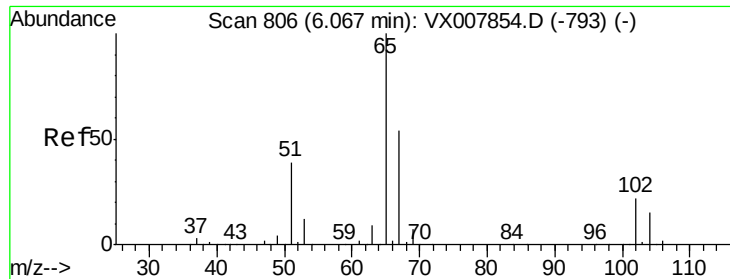
77 100

97 0.0 12.2 36.6#



Abundance Ion 76.90 (76.60 to 77.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.164 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008043.D

Acq: 13 Mar 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

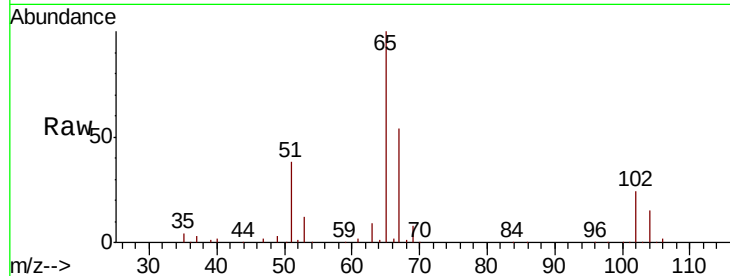
BP-VPB201-DUP-20190308

Tgt Ion: 65 Resp: 131904

Ion Ratio Lower Upper

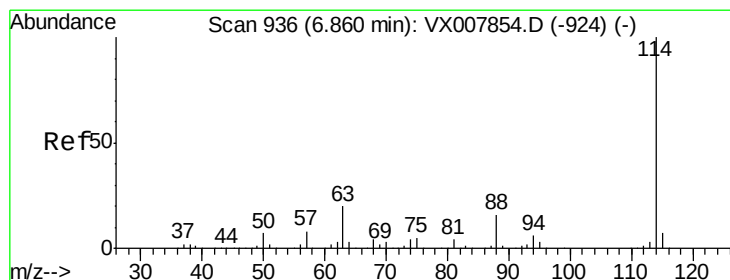
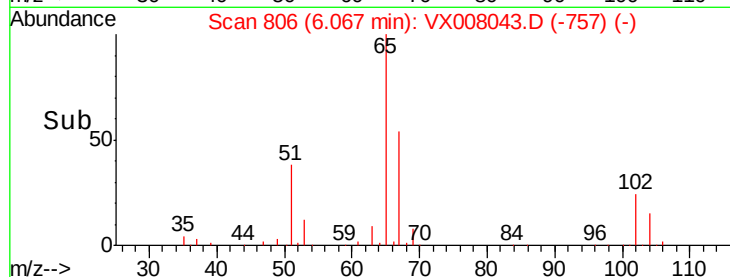
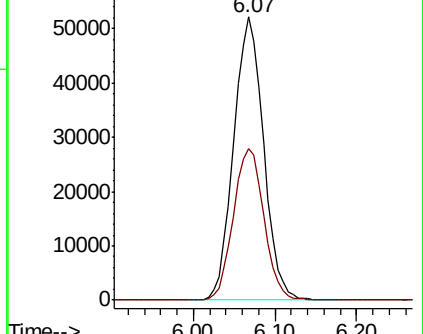
65 100

67 54.8 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008043.D

Acq: 13 Mar 2019 12:38

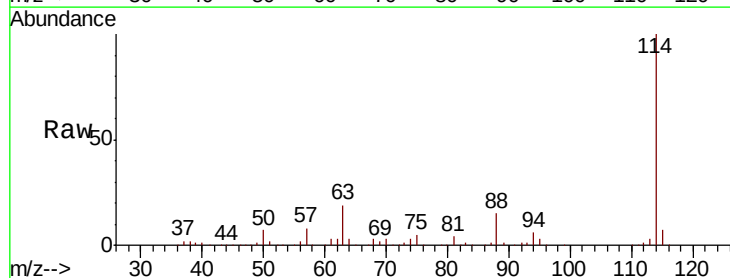
Tgt Ion: 114 Resp: 387675

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.8

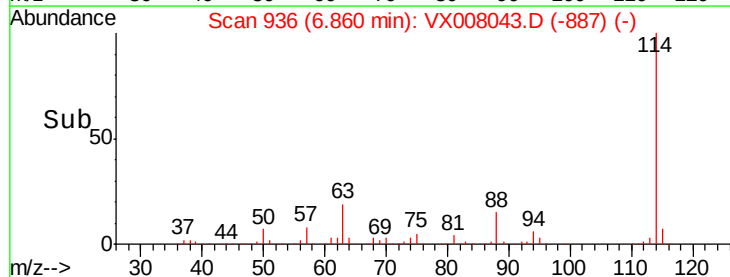
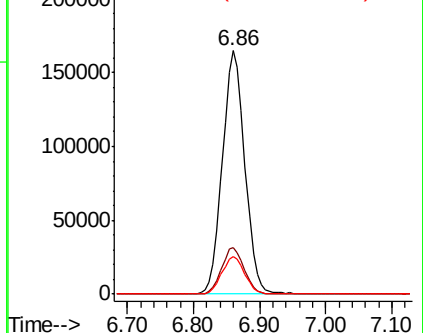
88 15.4 0.0 31.4

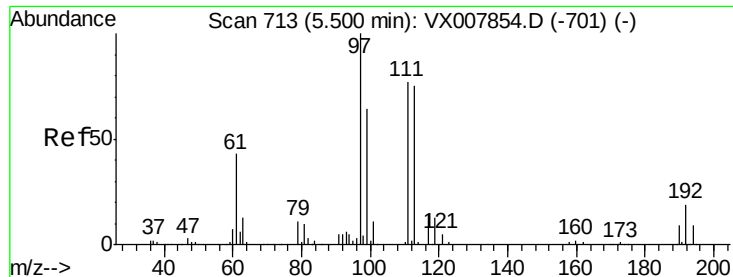


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

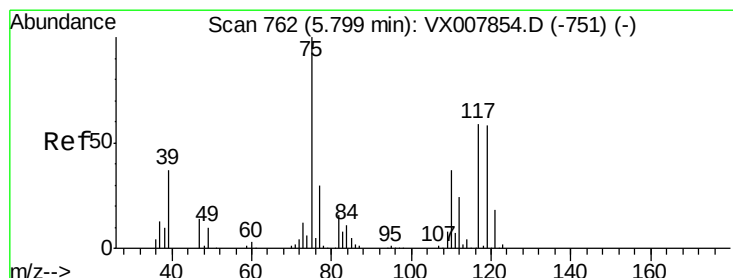
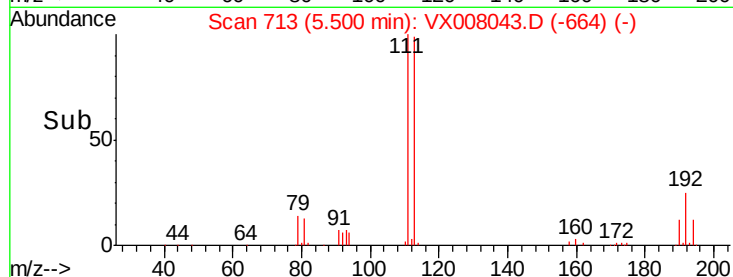
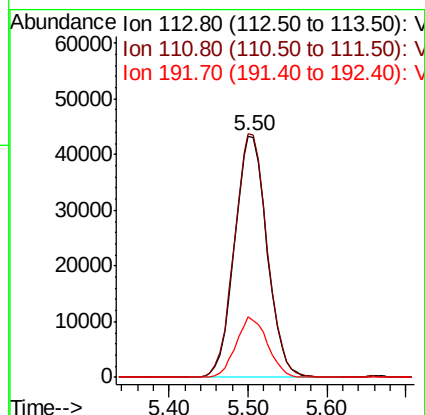
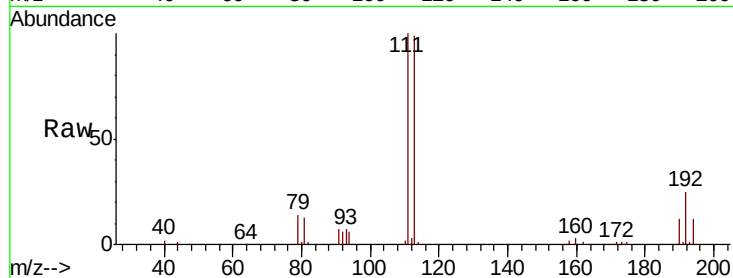




#35
 Dibromofluoromethane
 Concen: 50.016 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX008043.D
 Acq: 13 Mar 2019 12:38

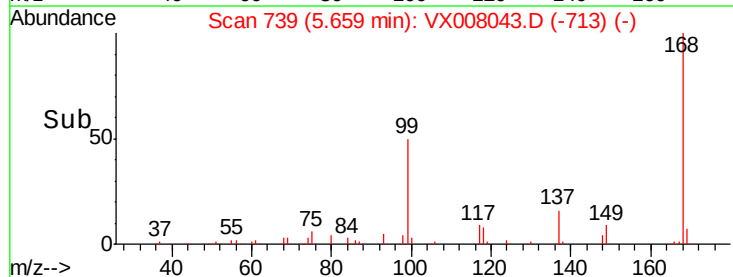
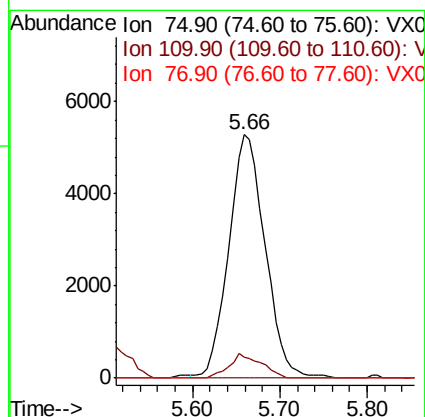
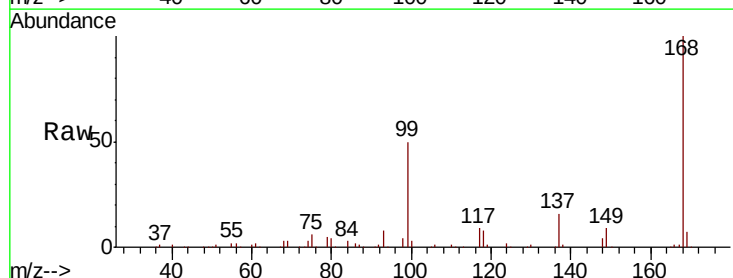
Instrument :
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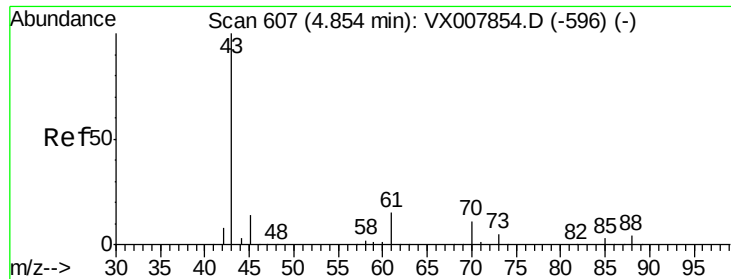
Tgt Ion: 113 Resp: 124032
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.4 122.0
 192 24.4 19.4 29.0



#36
 1,1-Dichloropropene
 Concen: 4.352 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008043.D
 Acq: 13 Mar 2019 12:38

Tgt Ion: 75 Resp: 15278
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.4 55.0#
 77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.646 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.15 min

Lab File: VX008043.D

Acq: 13 Mar 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-DUP-20190308

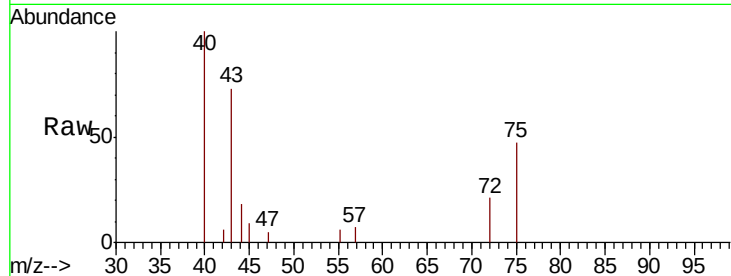
Tgt Ion: 43 Resp: 2691

Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

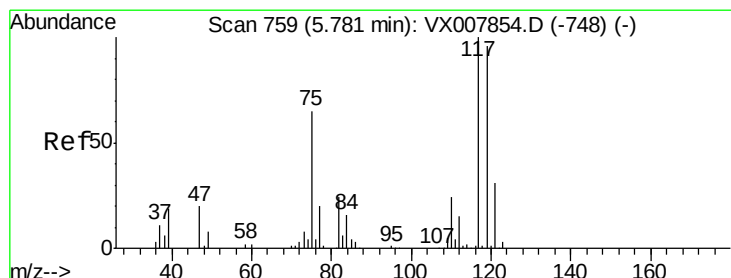
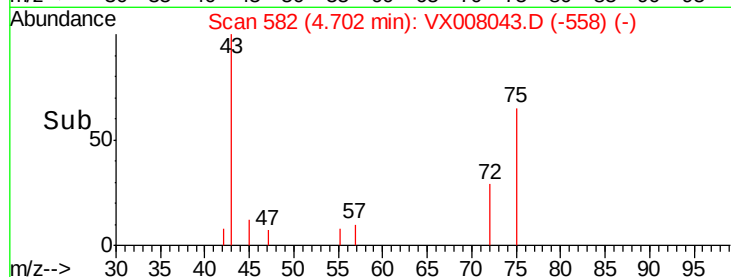
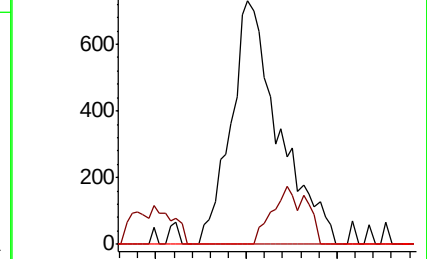
70 0.0 8.5 12.7#



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



#38

Carbon Tetrachloride

Concen: 6.274 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX008043.D

Acq: 13 Mar 2019 12:38

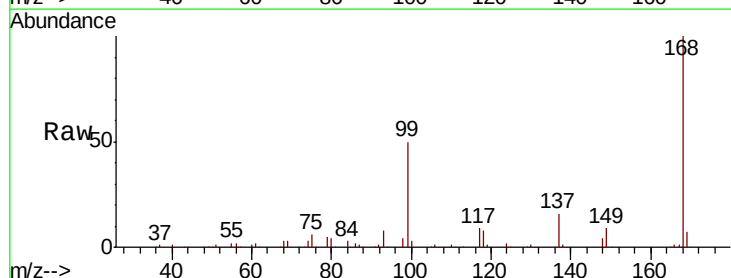
Tgt Ion: 117 Resp: 20910

Ion Ratio Lower Upper

117 100

119 6.2 76.2 114.2#

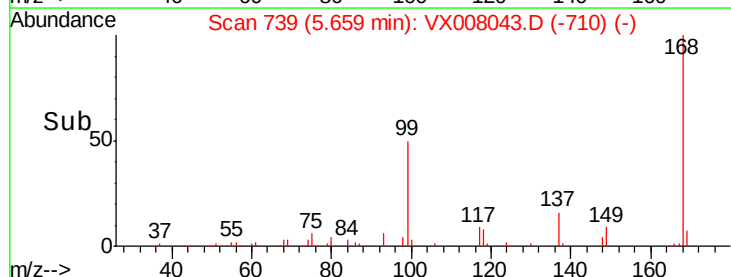
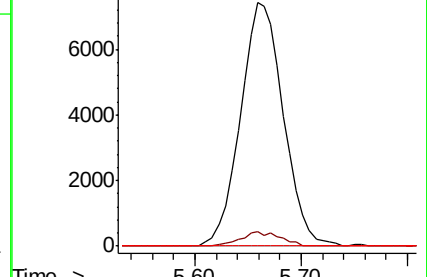
121 0.0 24.6 36.8#

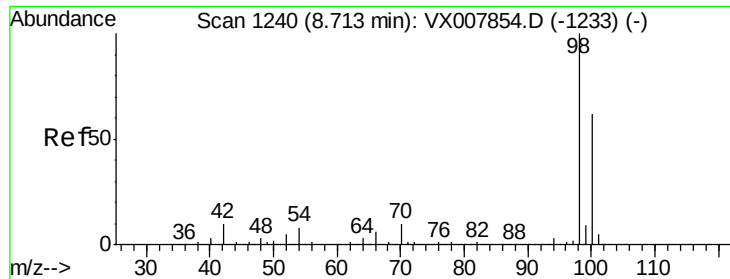


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

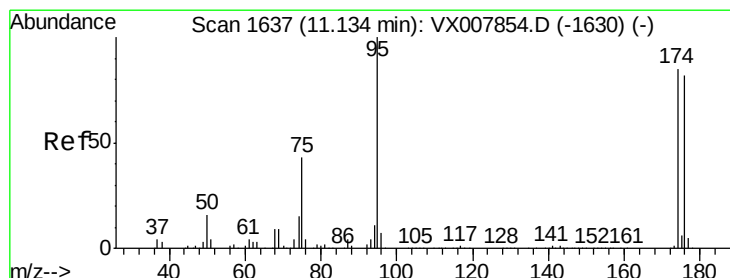
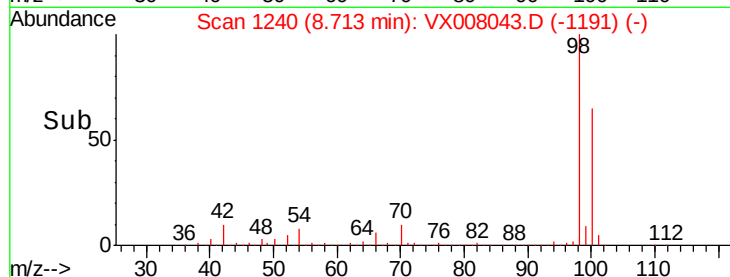
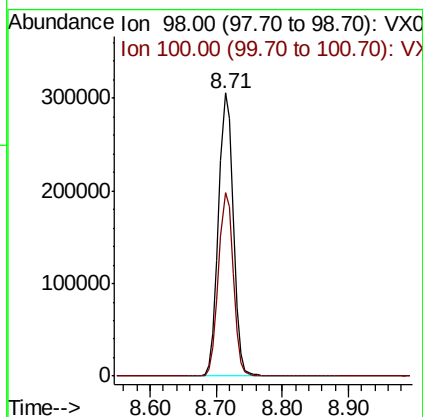
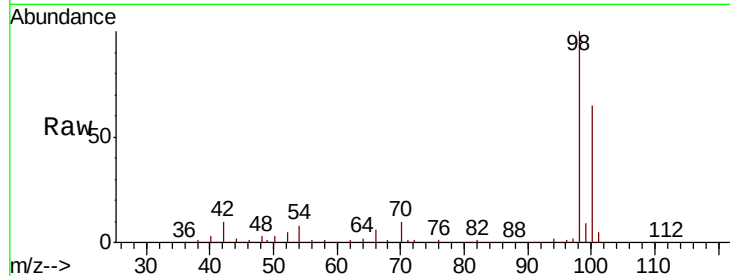




#50
Toluene-d8
Concen: 51.848 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008043.D
Acq: 13 Mar 2019 12:38

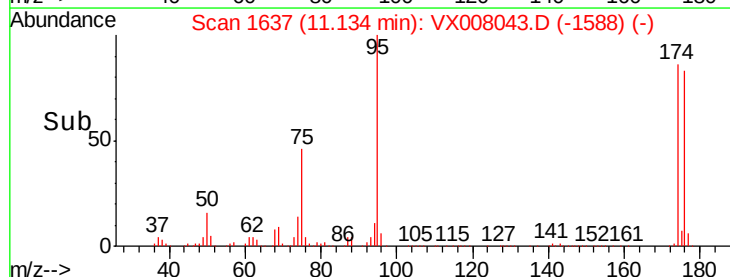
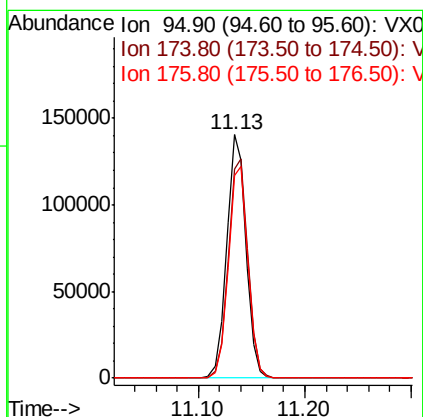
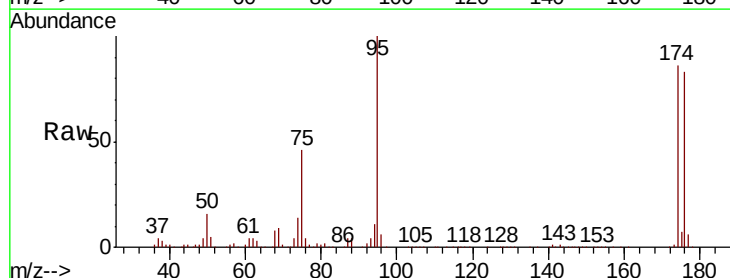
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-DUP-20190308

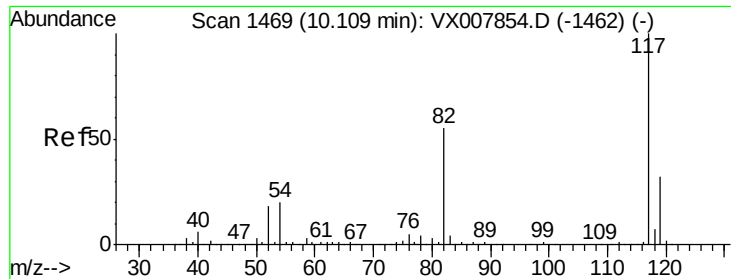
Tgt Ion: 98 Resp: 472193
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 55.588 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008043.D
Acq: 13 Mar 2019 12:38

Tgt Ion: 95 Resp: 177496
Ion Ratio Lower Upper
95 100
174 92.7 0.0 182.8
176 89.2 0.0 178.0

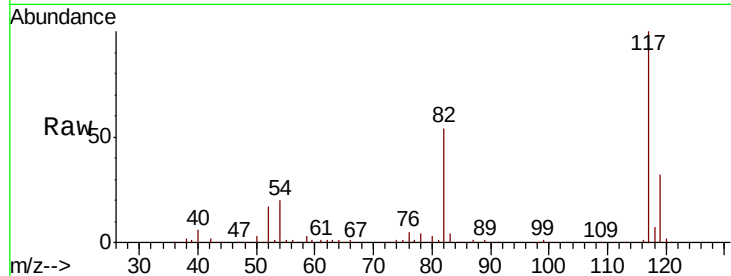




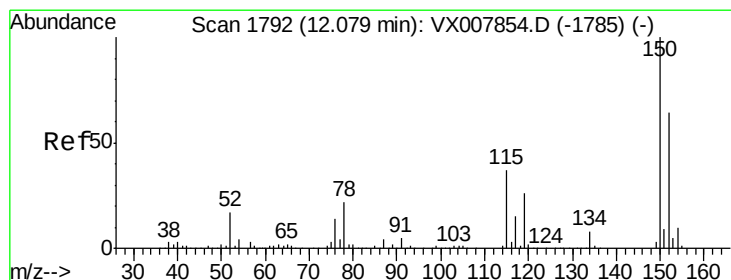
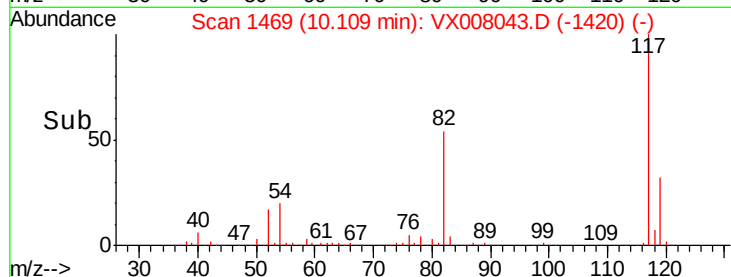
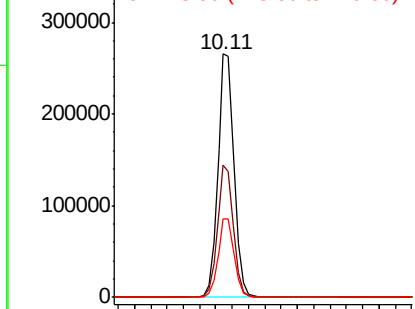
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008043.D
Acq: 13 Mar 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-DUP-20190308

Tgt Ion:117 Resp: 368729
Ion Ratio Lower Upper
117 100
82 54.4 44.3 66.5
119 32.3 25.3 37.9

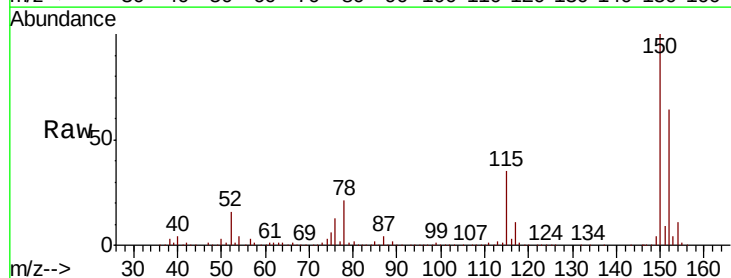


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

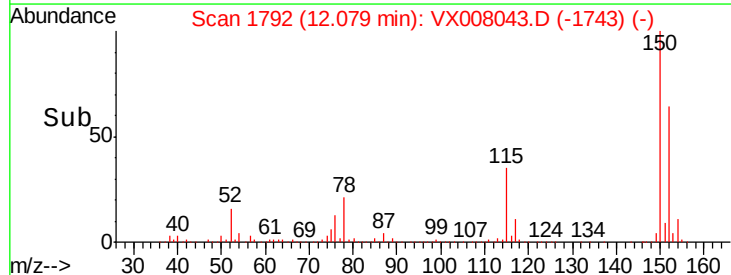
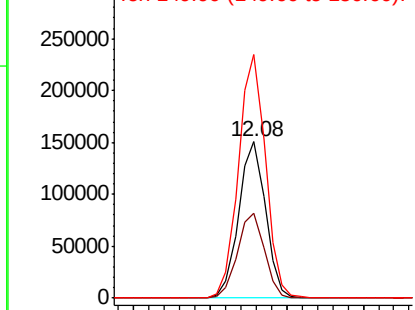


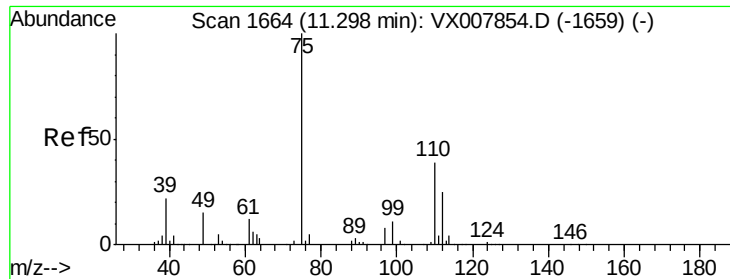
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008043.D
Acq: 13 Mar 2019 12:38

Tgt Ion:152 Resp: 183739
Ion Ratio Lower Upper
152 100
115 54.8 38.6 115.7
150 156.3 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

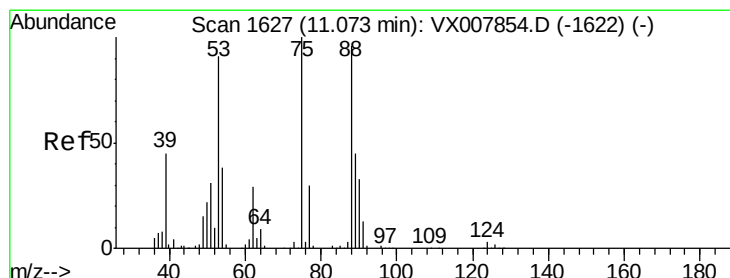
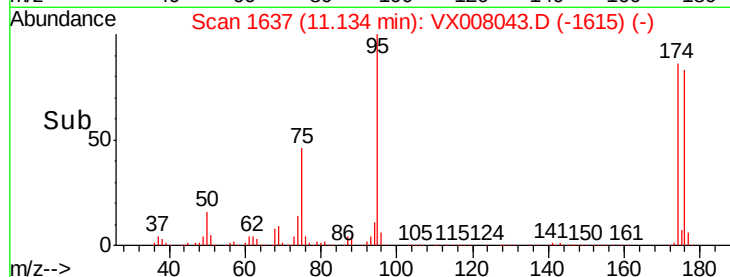
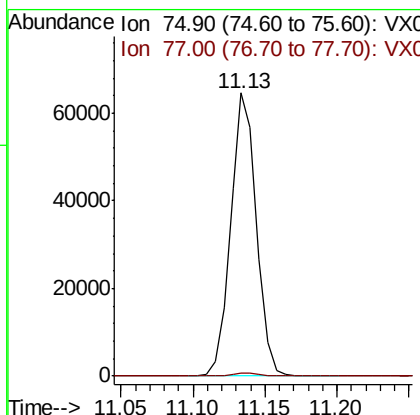
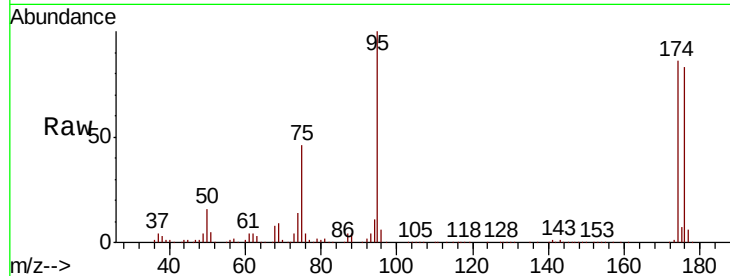




#76
 1,2,3-Trichloropropane
 Concen: 20.964 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008043.D
 Acq: 13 Mar 2019 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-DUP-20190308

Tgt Ion: 75 Resp: 80829
 Ion Ratio Lower Upper
 75 100
 77 1.2 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.011 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008043.D
 Acq: 13 Mar 2019 12:38

Tgt Ion: 75 Resp: 80829
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.1 114.1#
 89 0.0 36.3 54.5#

