

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031219\
 Data File : VX008028.D
 Acq On : 12 Mar 2019 20:34
 Operator : JC/SP
 Sample : K1840-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-660-642

Quant Time: Mar 13 05:23:16 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

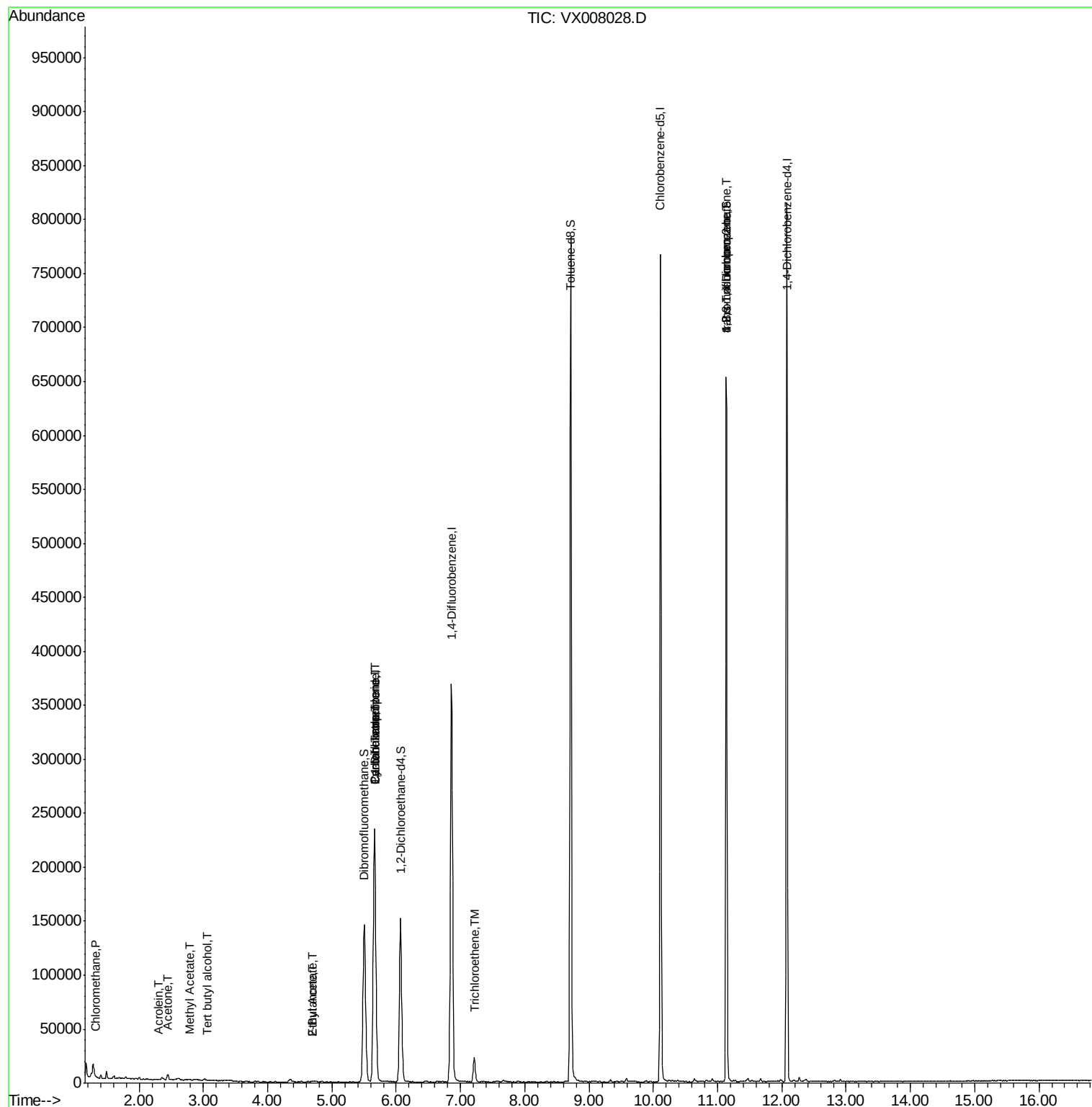
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	247923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	389863	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	372770	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	178462	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	137444	52.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.10%	
35) Dibromofluoromethane	5.51	113	126946	50.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.80%	
50) Toluene-d8	8.71	98	476365	52.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.02%	
62) 4-Bromofluorobenzene	11.13	95	174443	54.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.66%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	650	0.238	ug/l #	86
5) Bromomethane	1.66	94	217	Below Cal	#	51
11) Tert butyl alcohol	3.06	59	185	0.316	ug/l #	73
13) Acrolein	2.29	56	94	1.824	ug/l #	74
16) Acetone	2.45	43	5501	3.634	ug/l	96
17) Carbon Disulfide	2.57	76	977	Below Cal	#	79
18) Methyl Acetate	2.78	43	833	0.259	ug/l #	75
25) 2-Butanone	4.70	43	1829	0.853	ug/l	95
31) Cyclohexane	5.67	56	3801	0.946	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15512	4.394	ug/l #	49
37) Ethyl Acetate	4.70	43	1829	0.437	ug/l #	68
38) Carbon Tetrachloride	5.67	117	21430	6.394	ug/l #	18
44) Trichloroethene	7.21	130	9502	3.281	ug/l	87
76) 1,2,3-Trichloropropane	11.13	75	80810	21.579	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	80810	68.977	ug/l #	11

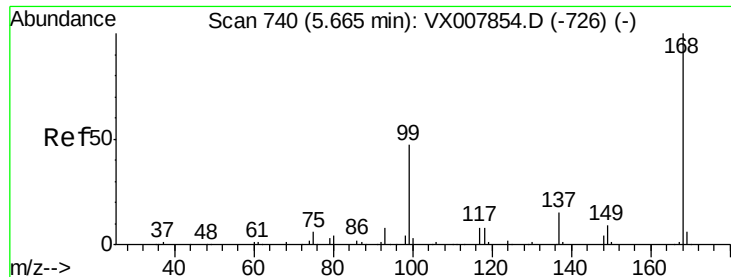
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008028.D

Acq: 12 Mar 2019 20:34

Instrument :

MSVOA_X

ClientSampleId :

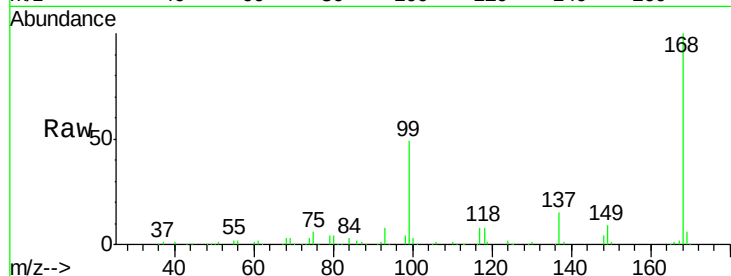
BP-VPB201-GW-660-642

Tot Ion:168 Resp: 247923

Ion Ratio Lower Upper

168 100

99 49.0 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

100000

80000

60000

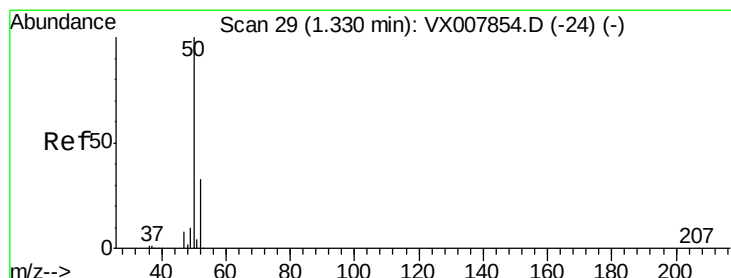
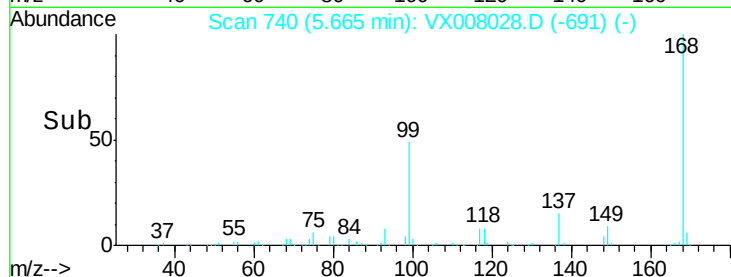
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.238 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008028.D

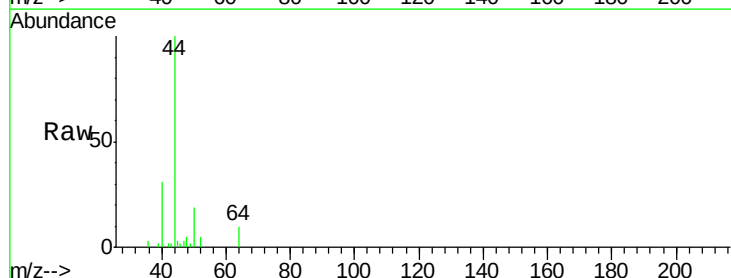
Acq: 12 Mar 2019 20:34

Tgt Ion: 50 Resp: 650

Ion Ratio Lower Upper

50 100

52 25.0 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

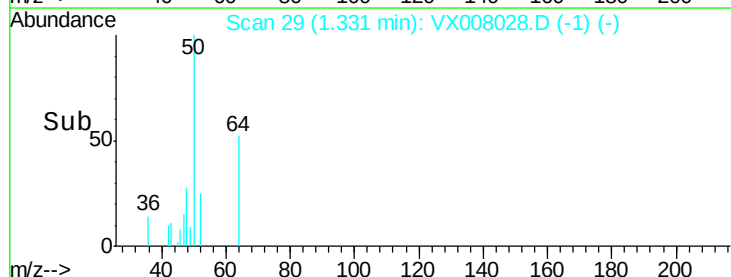
400

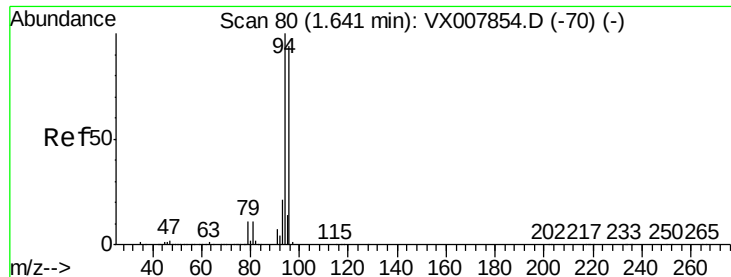
200

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX008028.D

Acq: 12 Mar 2019 20:34

Instrument :

MSVOA_X

ClientSampleId :

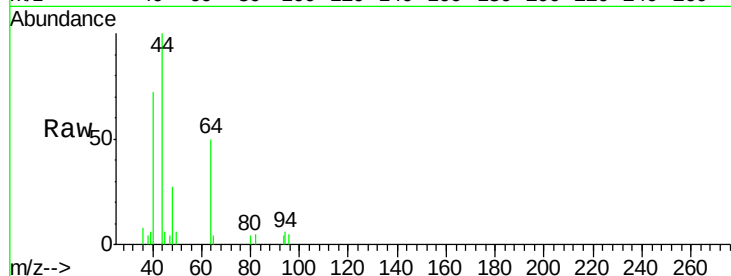
BP-VPB201-GW-660-642

Tot Ion: 94 Resp: 217

Ion Ratio Lower Upper

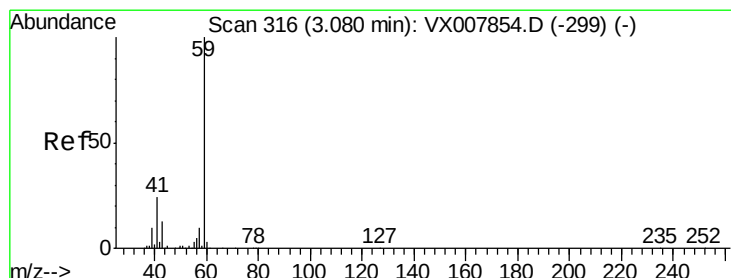
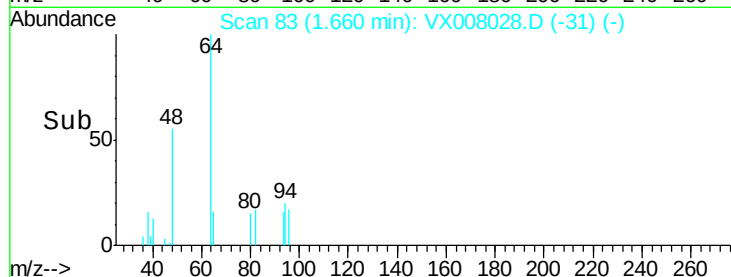
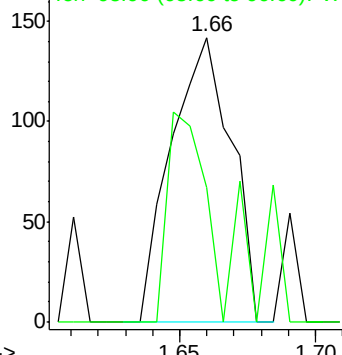
94 100

96 47.2 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 0.316 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX008028.D

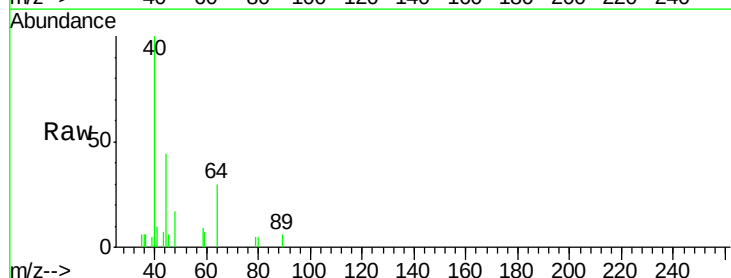
Acq: 12 Mar 2019 20:34

Tgt Ion: 59 Resp: 185

Ion Ratio Lower Upper

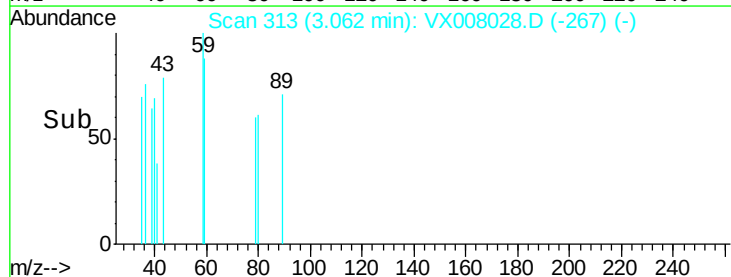
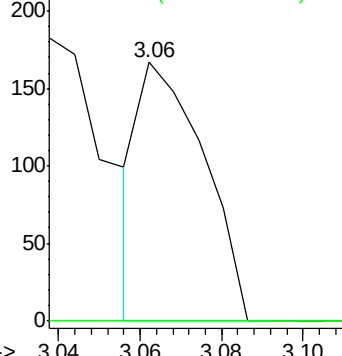
59 100

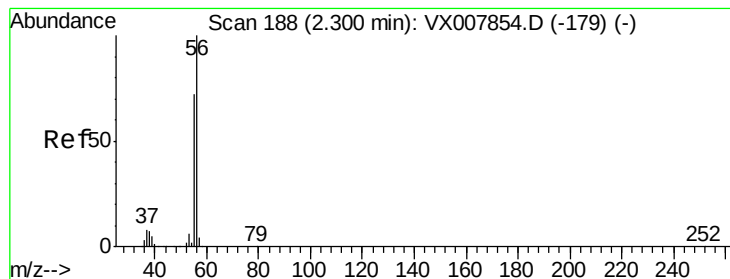
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.824 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX008028.D

Acq: 12 Mar 2019 20:34

Instrument :

MSVOA_X

ClientSampleId :

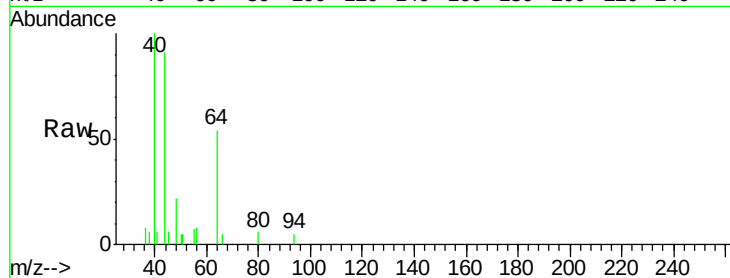
BP-VPB201-GW-660-642

Tot Ion: 56 Resp: 94

Ion Ratio Lower Upper

56 100

55 93.6 57.8 86.6#

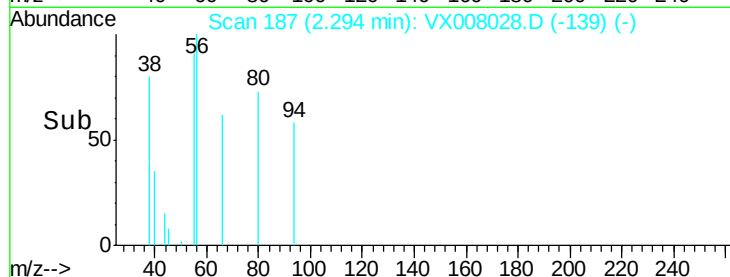


Abundance Ion 56.00 (55.70 to 56.70): VX0

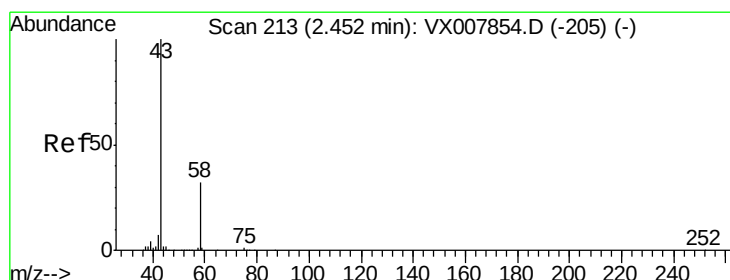
Ion 55.00 (54.70 to 55.70): VX0

2.29

Time-->



Time-->



#16

Acetone

Concen: 3.634 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX008028.D

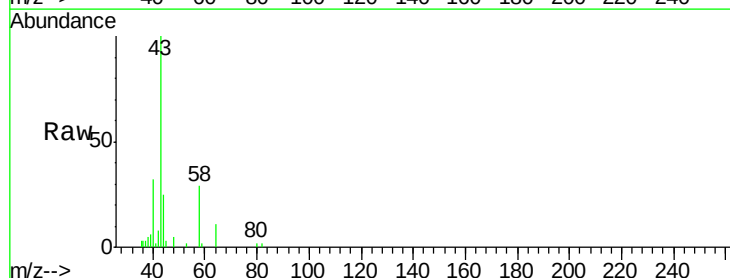
Acq: 12 Mar 2019 20:34

Tgt Ion: 43 Resp: 5501

Ion Ratio Lower Upper

43 100

58 29.6 25.5 38.3

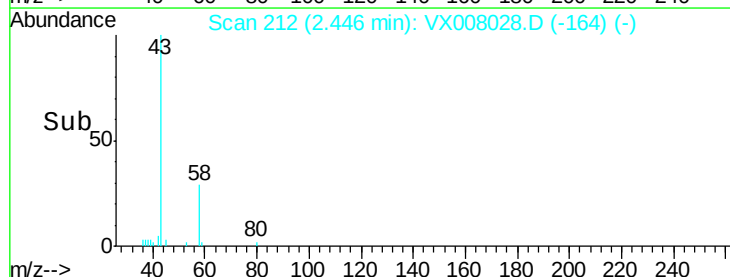


Abundance Ion 43.00 (42.70 to 43.70): VX0

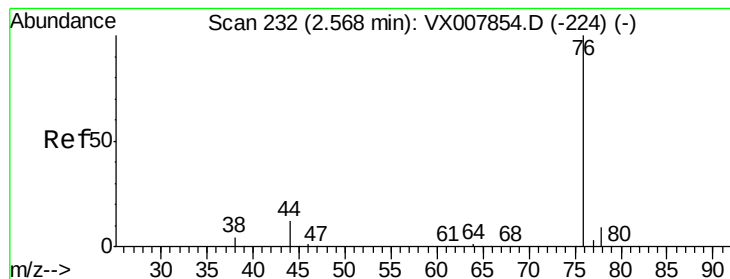
Ion 58.00 (57.70 to 58.70): VX0

2.45

Time-->



Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008028.D

Acq: 12 Mar 2019 20:34

Instrument :

MSVOA_X

ClientSampleId :

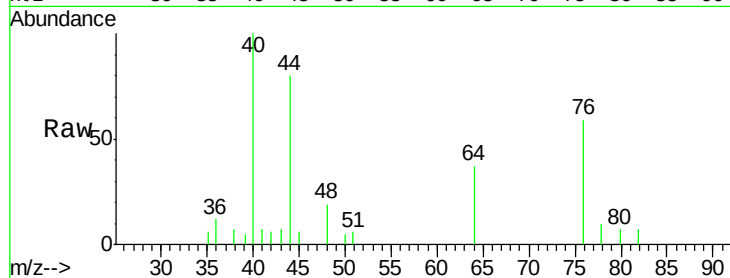
BP-VPB201-GW-660-642

Tot Ion: 76 Resp: 977

Ion Ratio Lower Upper

76 100

78 16.7 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

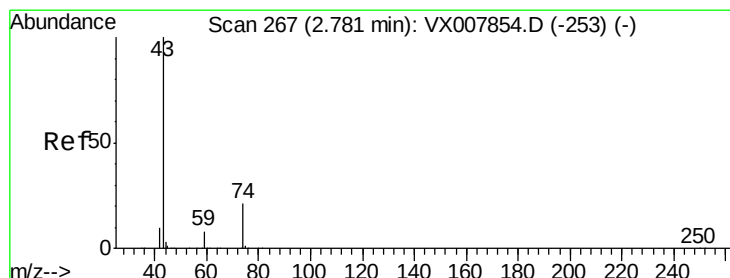
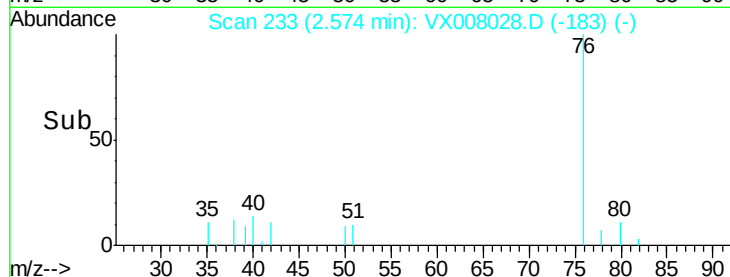
400

200

0

2.55 2.60

Time-->



#18

Methyl Acetate

Concen: 0.259 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX008028.D

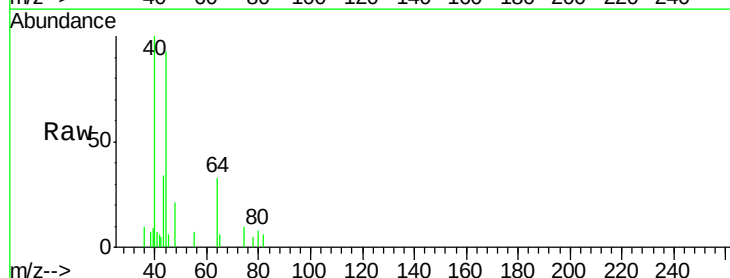
Acq: 12 Mar 2019 20:34

Tgt Ion: 43 Resp: 833

Ion Ratio Lower Upper

43 100

74 10.2 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

400

300

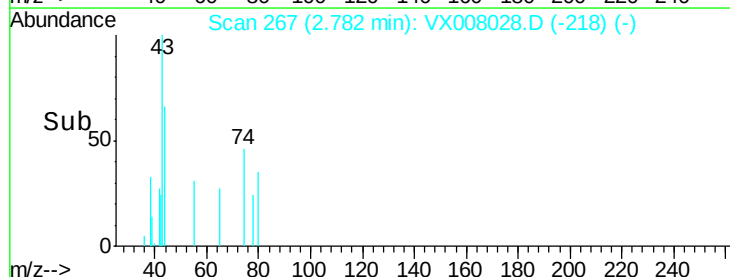
200

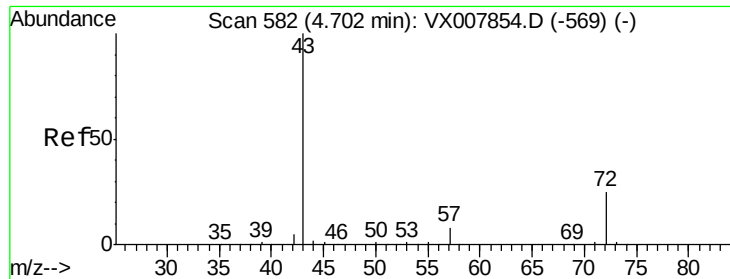
100

0

2.70 2.75 2.80 2.85

Time-->





#25

2-Butanone

Concen: 0.853 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX008028.D

Acq: 12 Mar 2019 20:34

Instrument :

MSVOA_X

ClientSampleId :

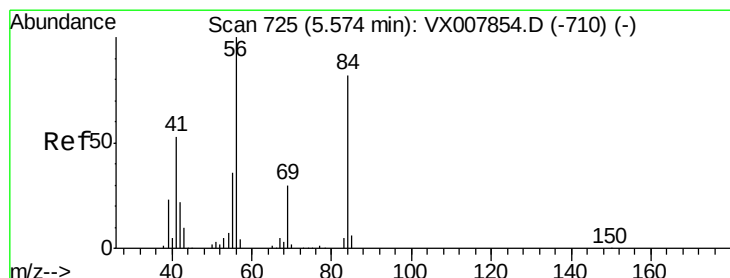
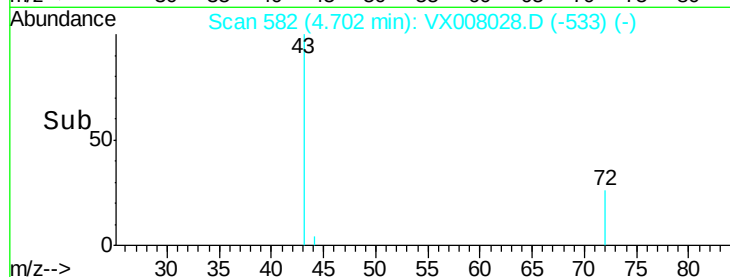
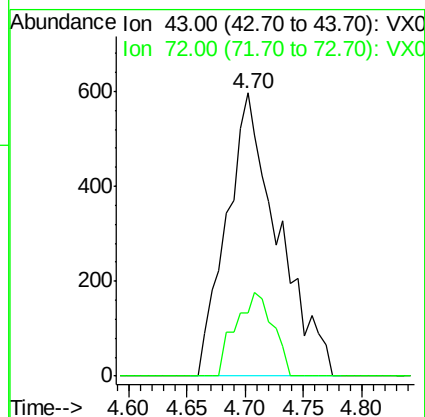
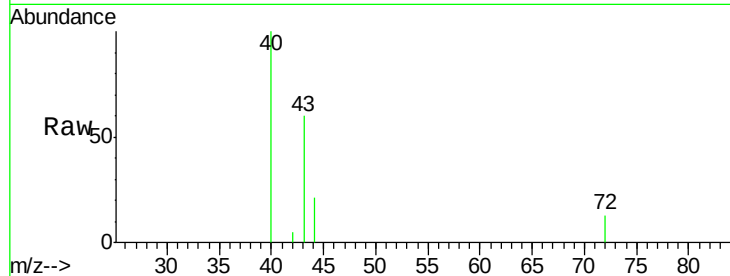
BP-VPB201-GW-660-642

Tot Ion: 43 Resp: 1829

Ion Ratio Lower Upper

43 100

72 22.4 19.9 29.9



#31

Cyclohexane

Concen: 0.946 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008028.D

Acq: 12 Mar 2019 20:34

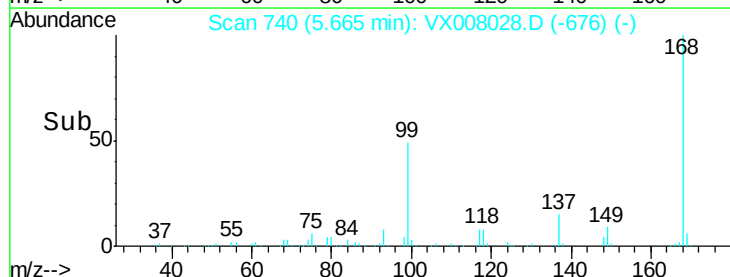
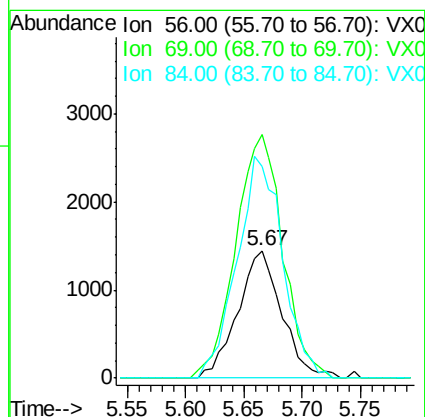
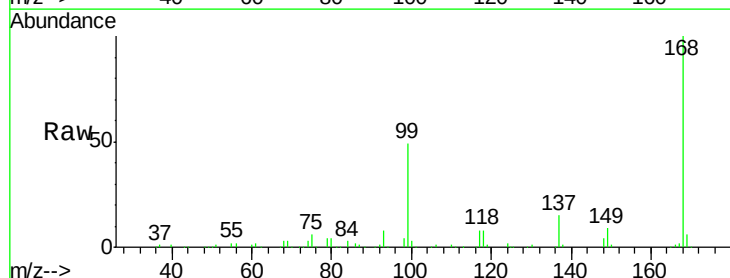
Tgt Ion: 56 Resp: 3801

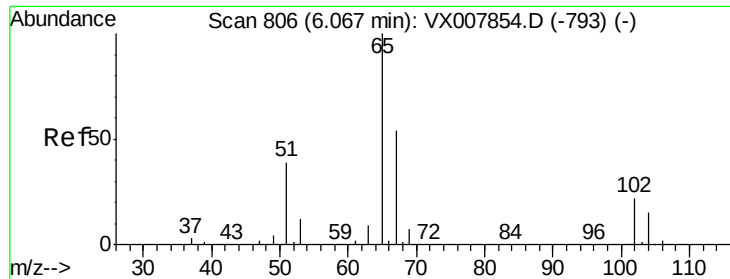
Ion Ratio Lower Upper

56 100

69 191.4 24.0 36.0#

84 166.1 65.3 97.9#

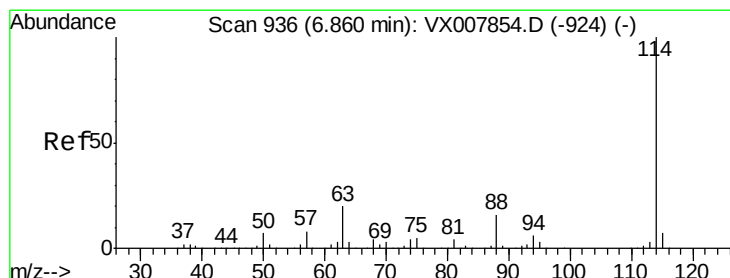
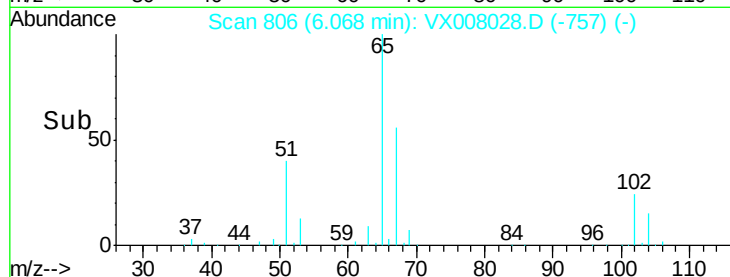
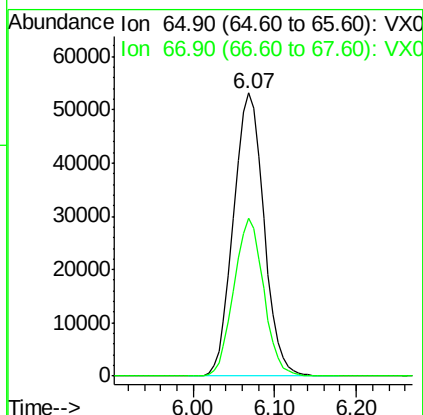
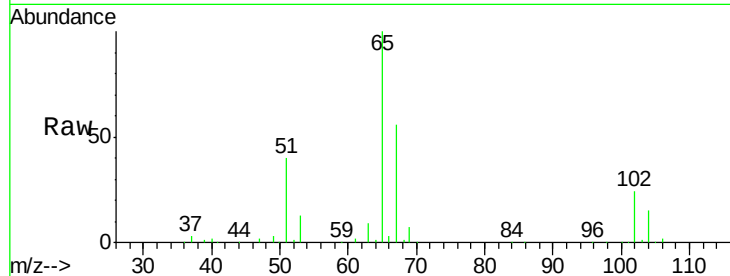




#33
 1,2-Dichloroethane-d4
 Concen: 52.553 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX008028.D
 Acq: 12 Mar 2019 20:34

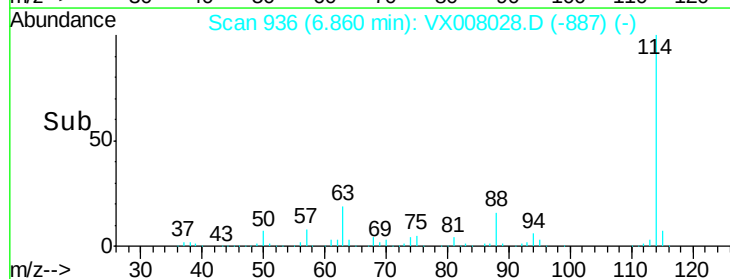
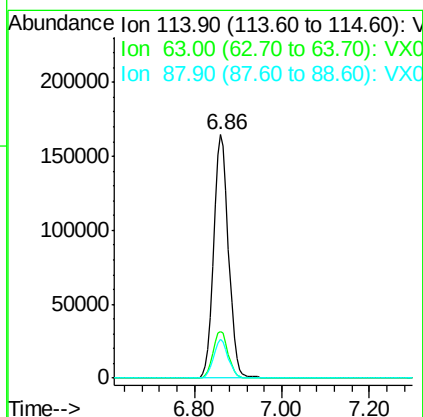
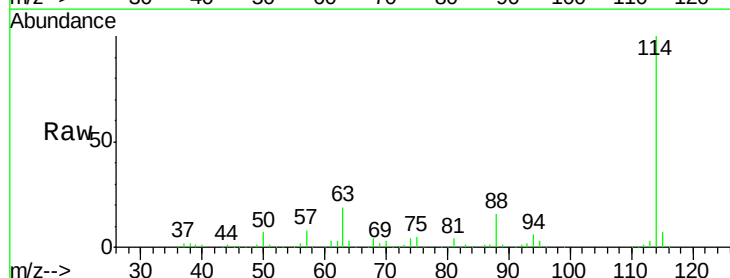
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-660-642

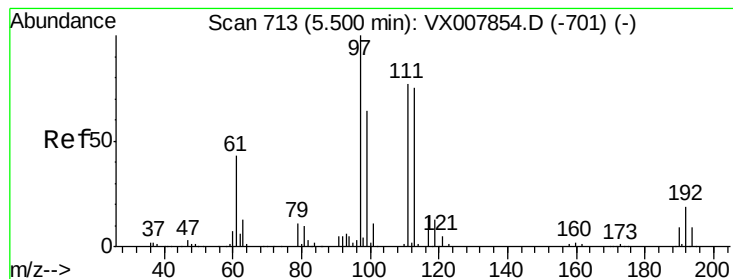
Tot Ion: 65 Resp: 137444
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008028.D
 Acq: 12 Mar 2019 20:34

Tgt Ion: 114 Resp: 389863
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.8
 88 16.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.904 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX008028.D

Acq: 12 Mar 2019 20:34

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-660-642

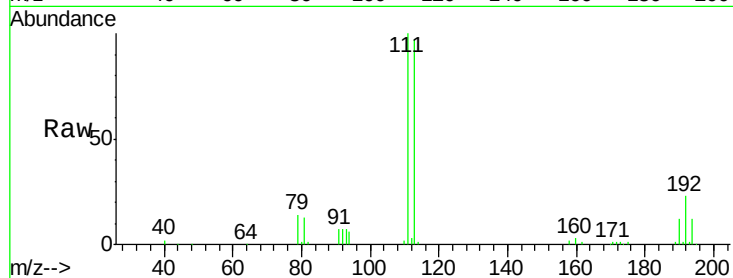
Tot Ion:113 Resp: 126946

Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

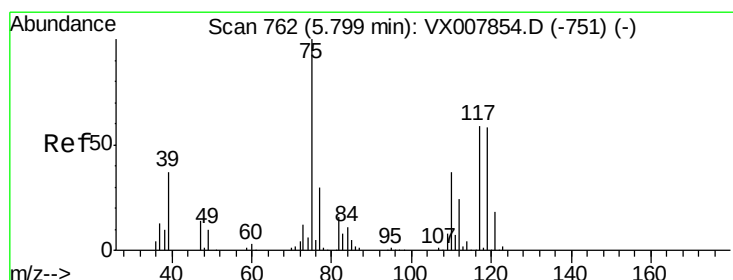
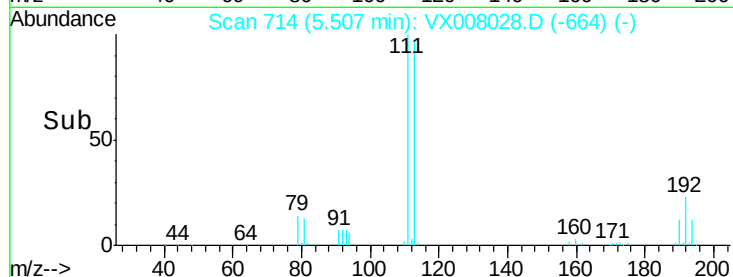
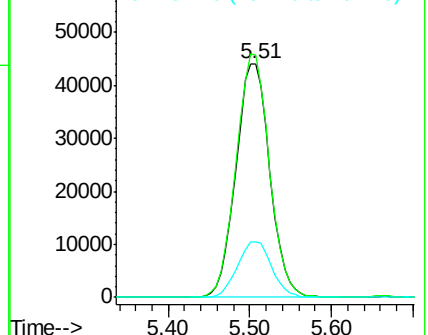
192 24.3 19.4 29.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.394 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX008028.D

Acq: 12 Mar 2019 20:34

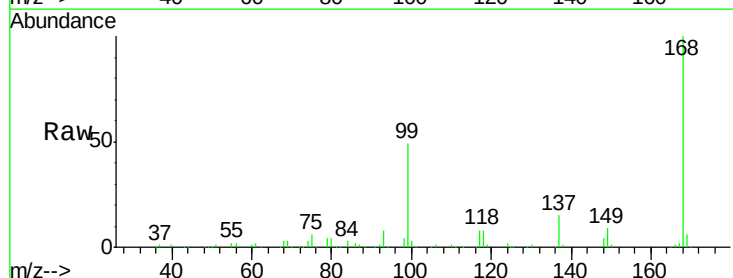
Tgt Ion: 75 Resp: 15512

Ion Ratio Lower Upper

75 100

110 9.1 18.4 55.0#

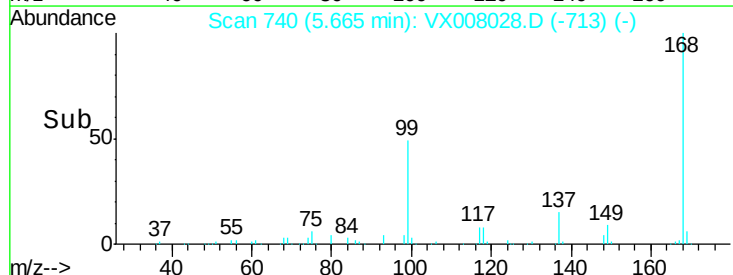
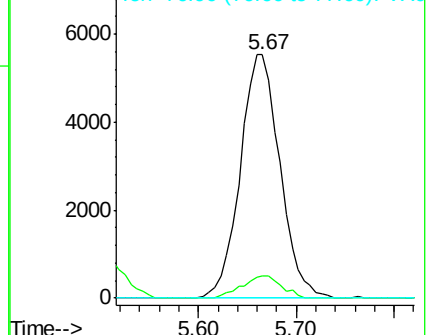
77 0.0 25.0 37.4#

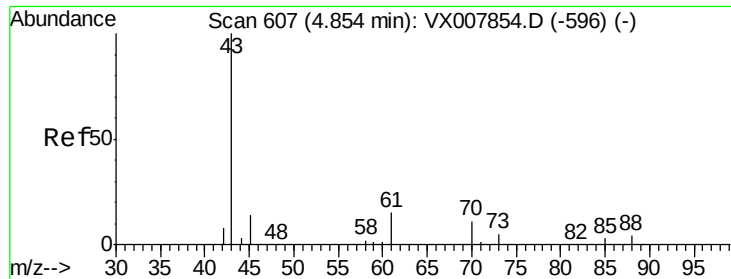


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 0.437 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.15 min

Lab File: VX008028.D

Acq: 12 Mar 2019 20:34

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-660-642

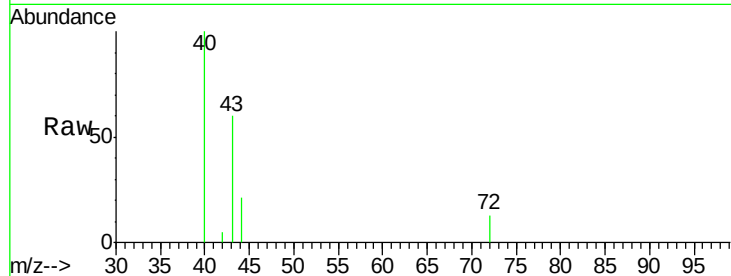
Tot Ion: 43 Resp: 1829

Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

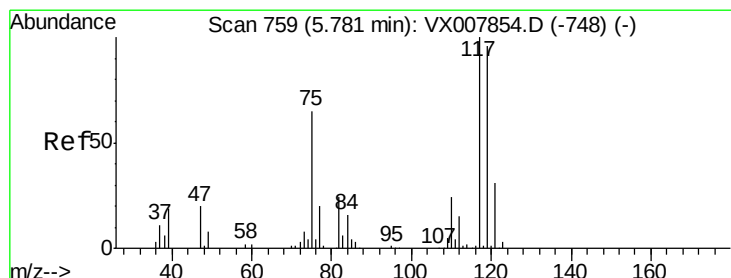
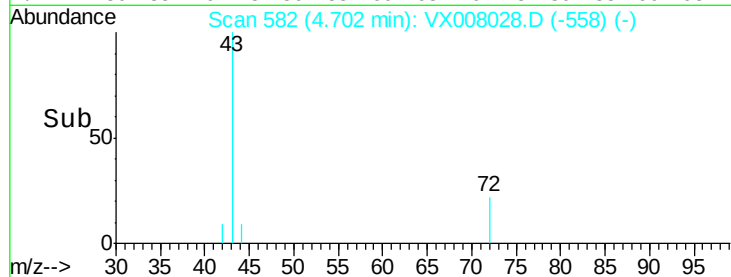
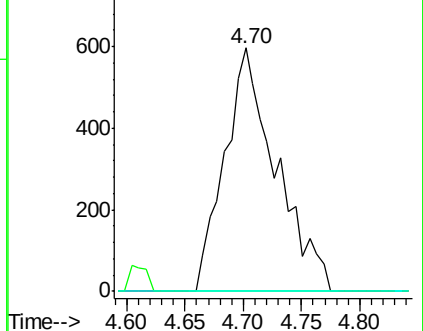
70 0.0 8.5 12.7#



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: 6.394 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008028.D

Acq: 12 Mar 2019 20:34

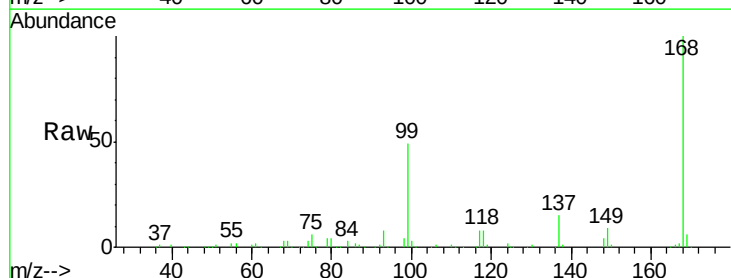
Tgt Ion: 117 Resp: 21430

Ion Ratio Lower Upper

117 100

119 7.3 76.2 114.2#

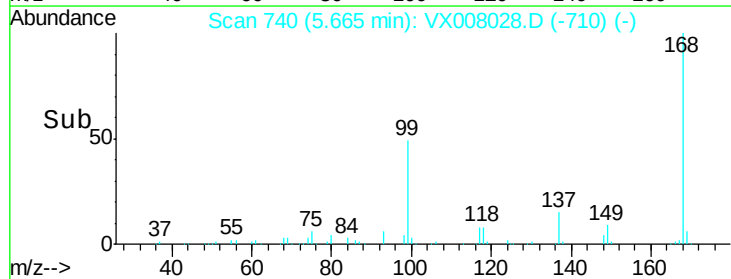
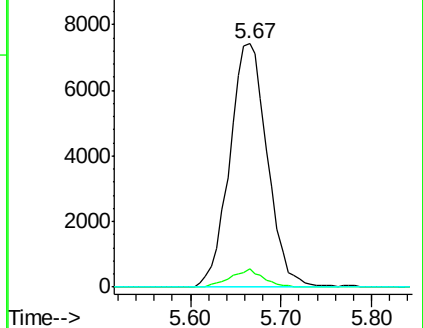
121 0.0 24.6 36.8#

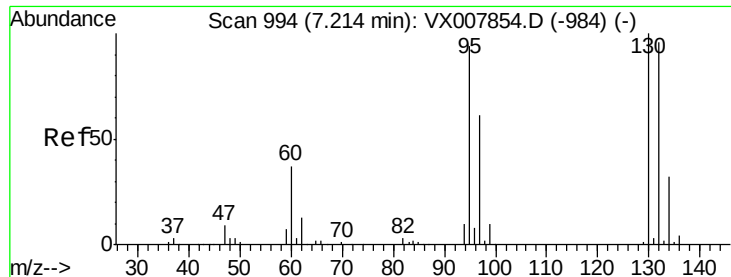


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 3.281 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008028.D

Acq: 12 Mar 2019 20:34

Instrument :

MSVOA_X

ClientSampleId :

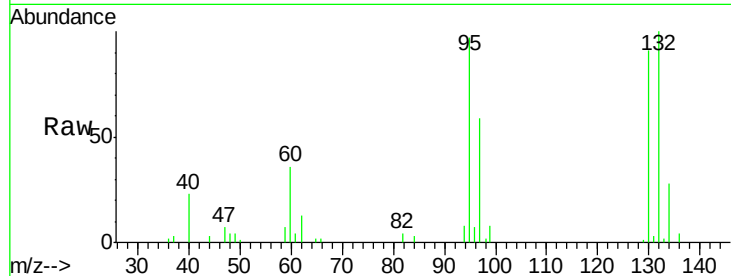
BP-VPB201-GW-660-642

Tot Ion:130 Resp: 9502

Ion Ratio Lower Upper

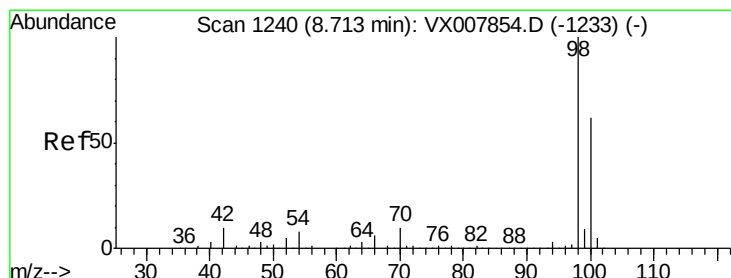
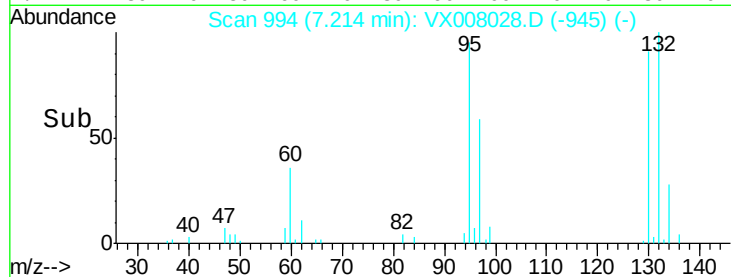
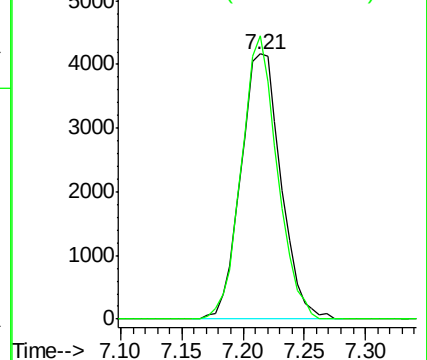
130 100

95 106.7 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: 52.012 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008028.D

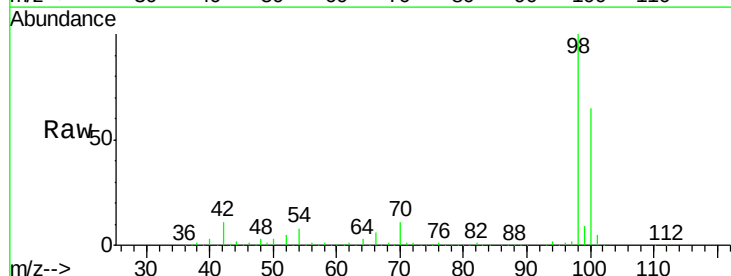
Acq: 12 Mar 2019 20:34

Tgt Ion: 98 Resp: 476365

Ion Ratio Lower Upper

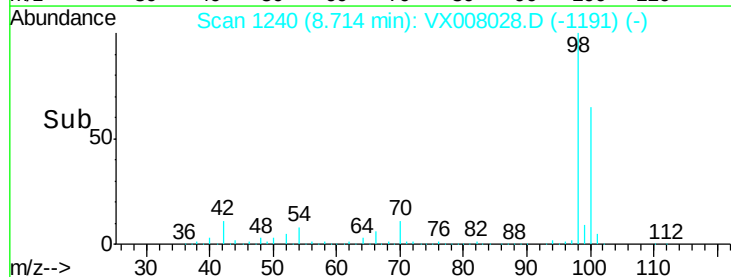
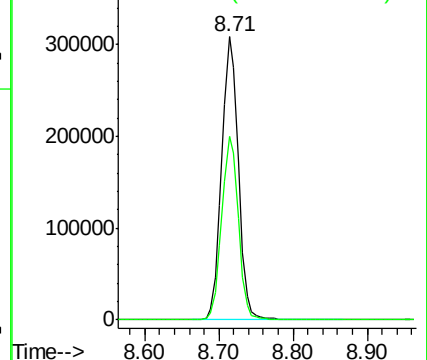
98 100

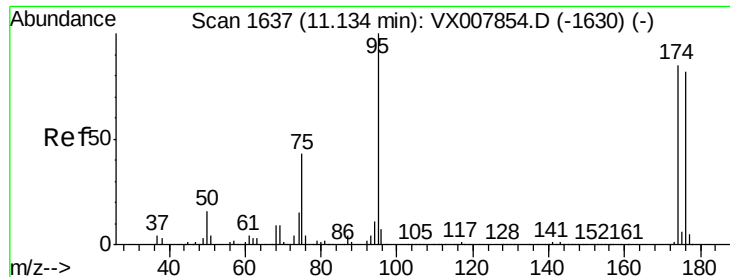
100 64.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 54.326 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008028.D

Acq: 12 Mar 2019 20:34

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-660-642

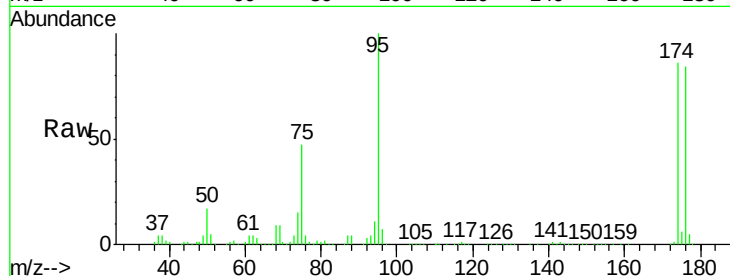
Tot Ion: 95 Resp: 174443

Ion Ratio Lower Upper

95 100

174 92.9 0.0 182.8

176 89.5 0.0 178.0

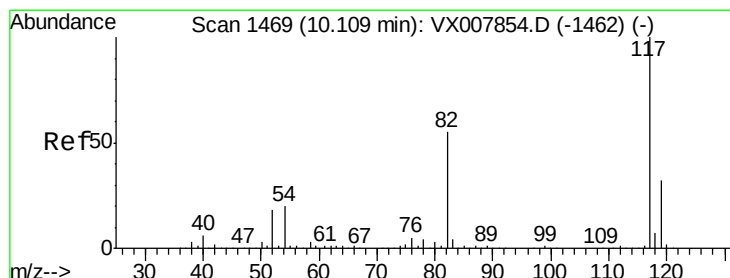
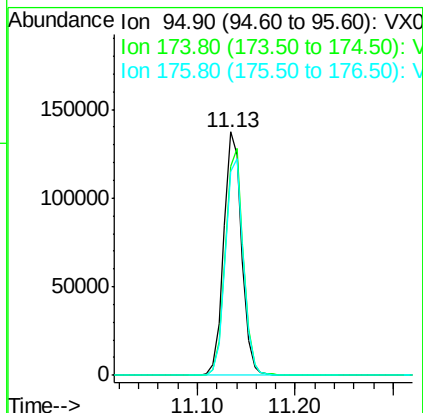
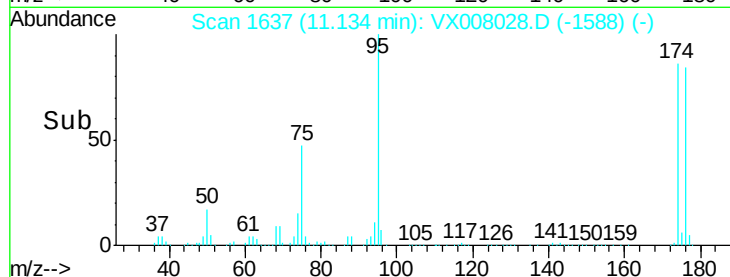


Abundance Ion 94.90 (94.60 to 95.60): VX007854.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX007854.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX007854.D (-1630) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008028.D

Acq: 12 Mar 2019 20:34

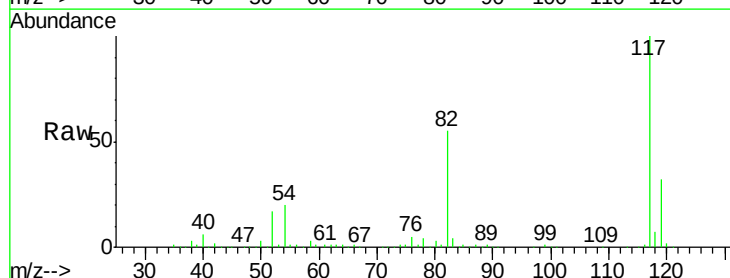
Tgt Ion: 117 Resp: 372770

Ion Ratio Lower Upper

117 100

82 55.2 44.3 66.5

119 32.2 25.3 37.9

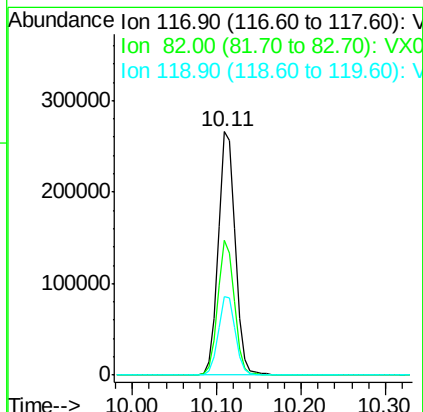
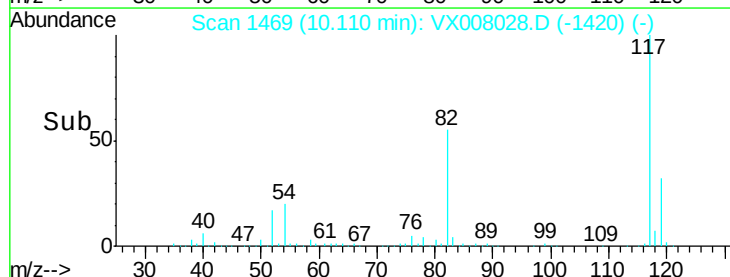


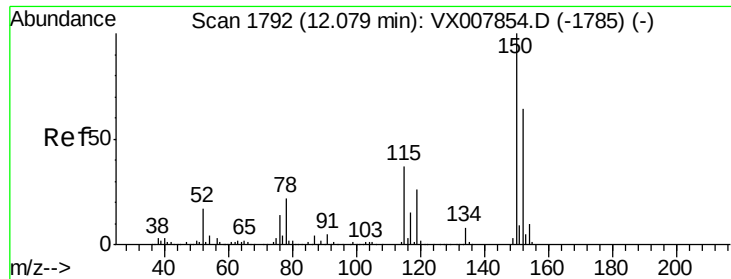
Abundance Ion 116.90 (116.60 to 117.60): VX007854.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX007854.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX007854.D (-1462) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008028.D

Acq: 12 Mar 2019 20:34

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-660-642

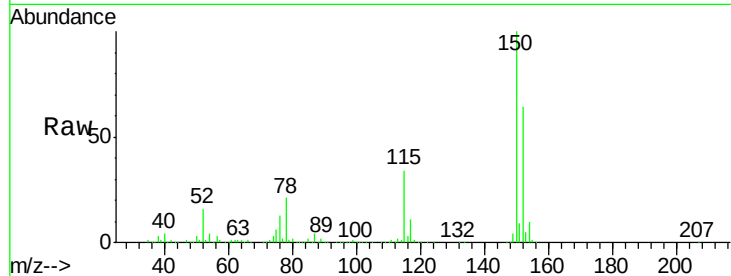
Tot Ion:152 Resp: 178462

Ion Ratio Lower Upper

152 100

115 55.1 38.6 115.7

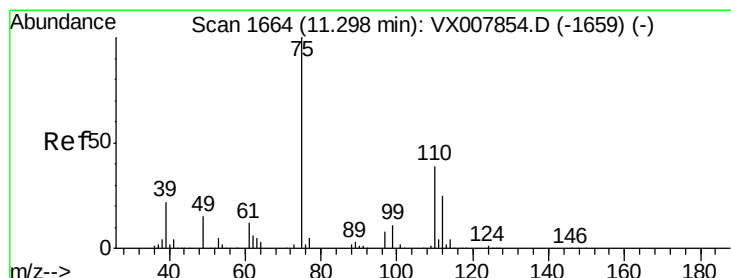
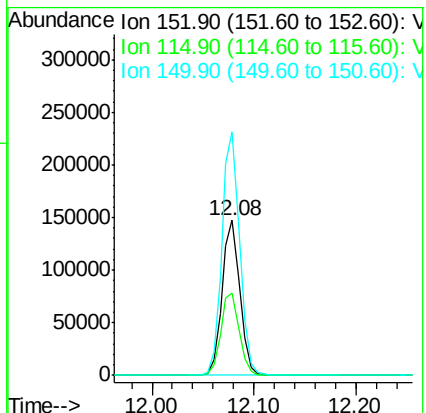
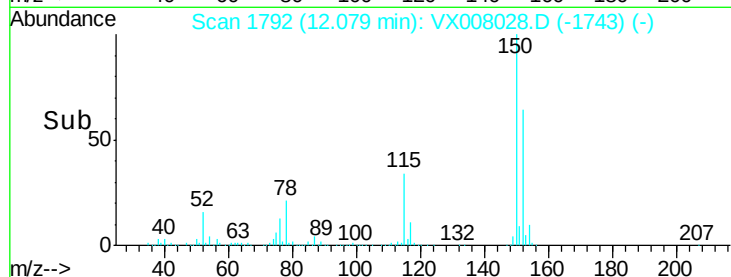
150 157.5 0.0 348.4



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: 21.579 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008028.D

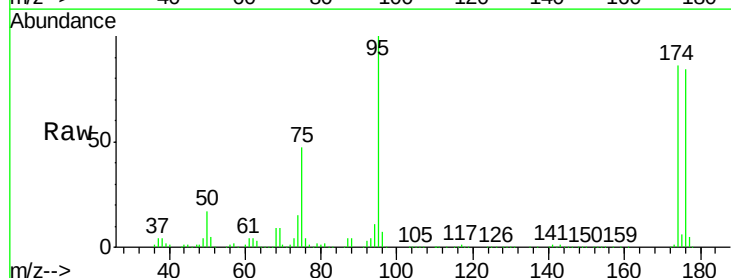
Acq: 12 Mar 2019 20:34

Tgt Ion: 75 Resp: 80810

Ion Ratio Lower Upper

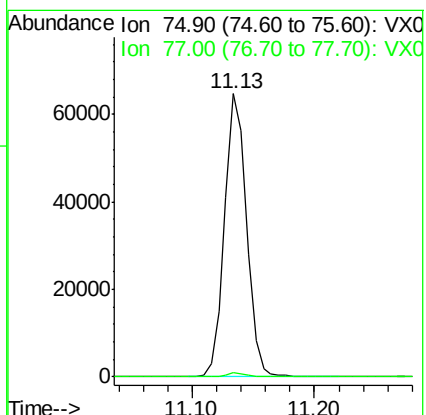
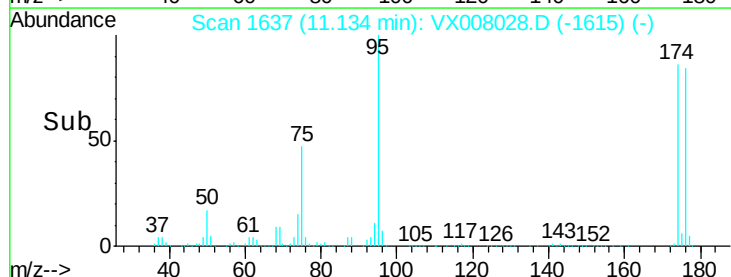
75 100

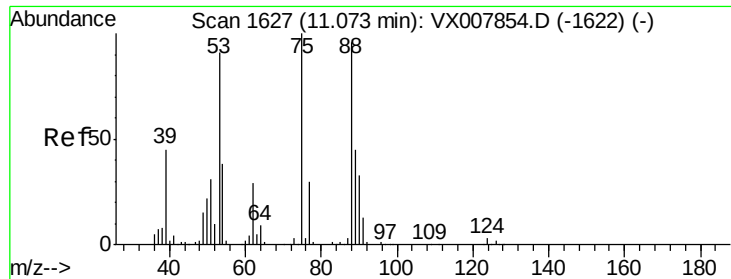
77 1.4 18.9 56.7#



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: 68.977 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008028.D

Acq: 12 Mar 2019 20:34

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-660-642

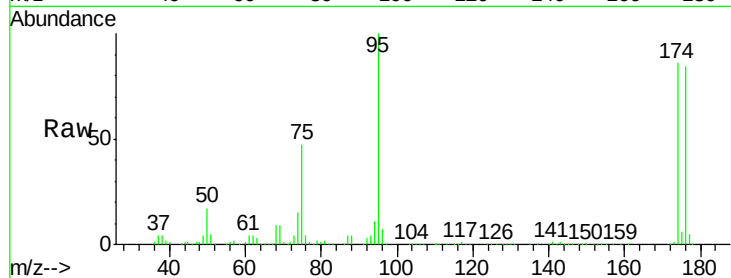
Tot Ion: 75 Resp: 80810

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

