

Data File : VX011304.D
Acq On : 02 Aug 2019 14:56
Operator : JC/SP
Sample : K4145-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-TB-20190731

Quant Time: Aug 03 05:43:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	145457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	235700	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	220908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	101340	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	77531	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
35) Dibromofluoromethane	5.49	113	73853	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
50) Toluene-d8	8.71	98	282472	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
62) 4-Bromofluorobenzene	11.13	95	94853	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	

Target Compounds

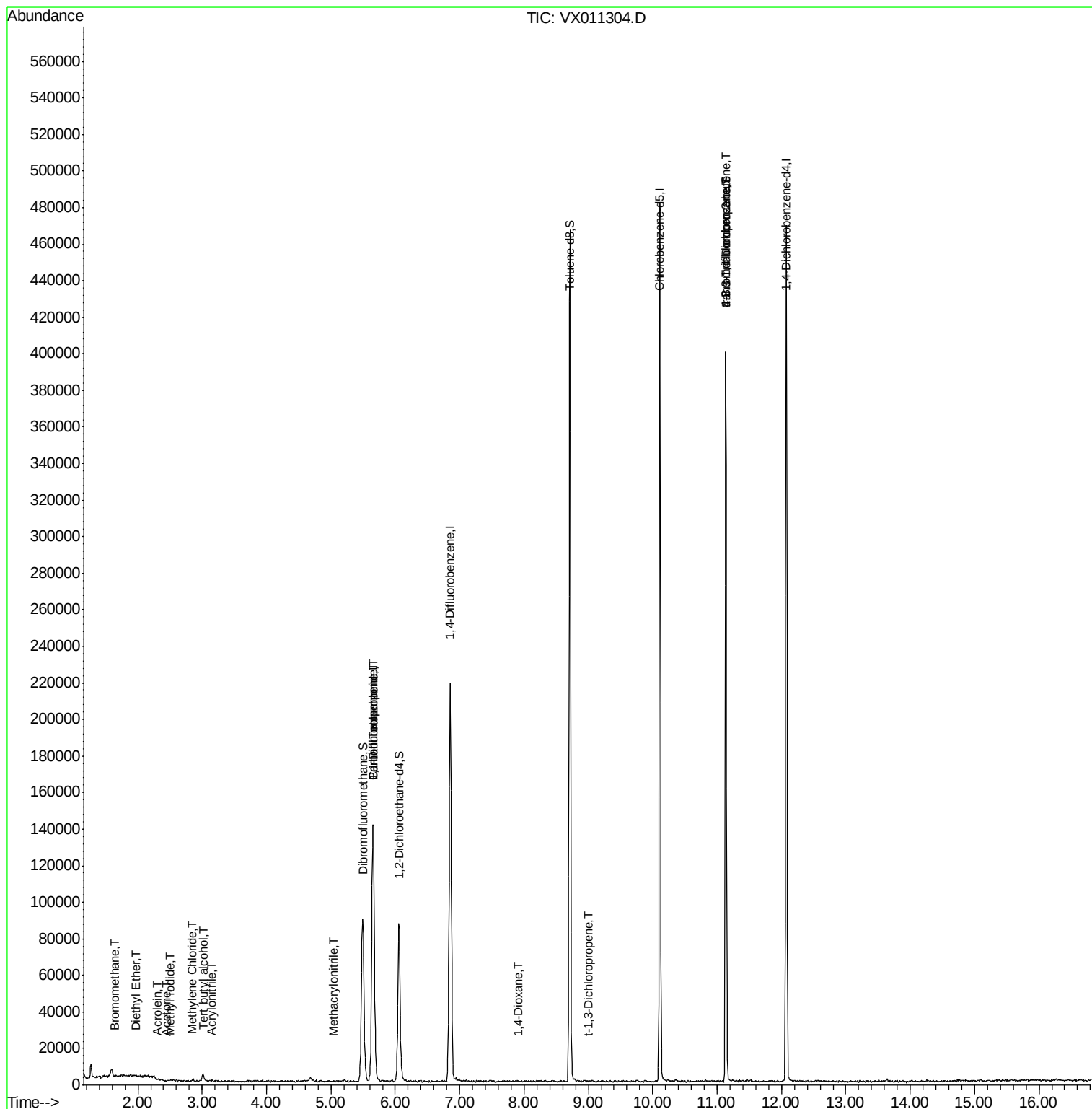
					Qvalue	
5) Bromomethane	1.64	94	612	0.618	ug/l #	53
6) Chloroethane	1.72	64	169	Below Cal	#	74
8) Diethyl Ether	1.98	74	180	0.204	ug/l	80
10) Methyl Iodide	2.51	142	631	0.375	ug/l #	88
11) Tert butyl alcohol	3.02	59	1937	6.654	ug/l #	76
13) Acrolein	2.29	56	132	0.305	ug/l #	15
15) Acrylonitrile	3.15	53	169	0.242	ug/l #	29
16) Acetone	2.44	43	224	0.321	ug/l #	40
20) Methylene Chloride	2.85	84	439	0.287	ug/l #	87
36) 1,1-Dichloropropene	5.66	75	9354	4.545	ug/l #	39
38) Carbon Tetrachloride	5.65	117	13172	6.362	ug/l #	15
41) Methacrylonitrile	5.04	41	277	0.246	ug/l #	1
49) 1,4-Dioxane	7.92	88	45	0.999	ug/l #	1
53) t-1,3-Dichloropropene	9.01	75	24	2.848	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	46097	24.978	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	46097	65.185	ug/l #	11

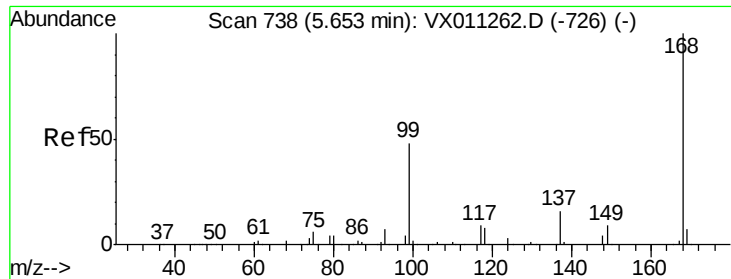
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011304.D

Acq: 02 Aug 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

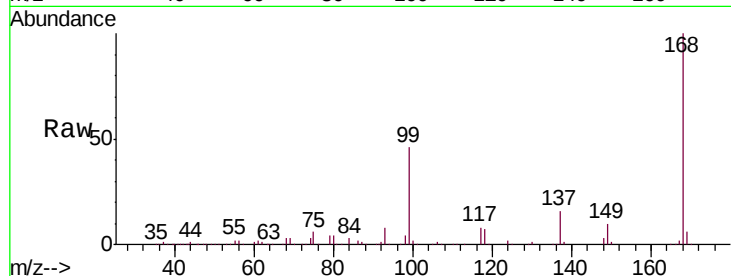
BP-VPB203-TB-20190731

Tgt Ion:168 Resp: 145457

Ion Ratio Lower Upper

168 100

99 46.5 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

50000

40000

30000

20000

10000

0

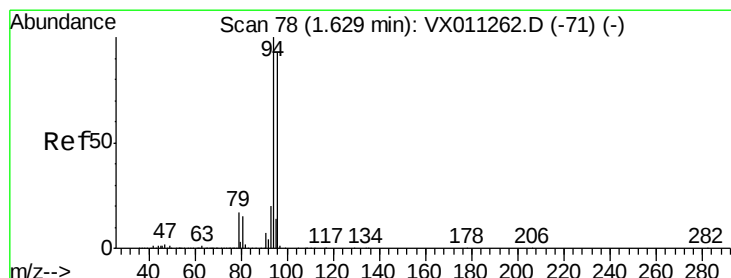
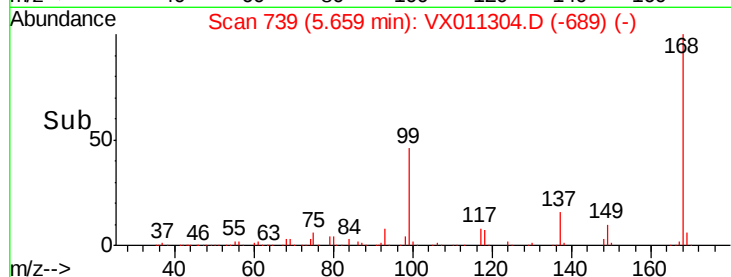
Time-->

5.50

5.60

5.70

5.80



#5

Bromomethane

Concen: 0.618 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011304.D

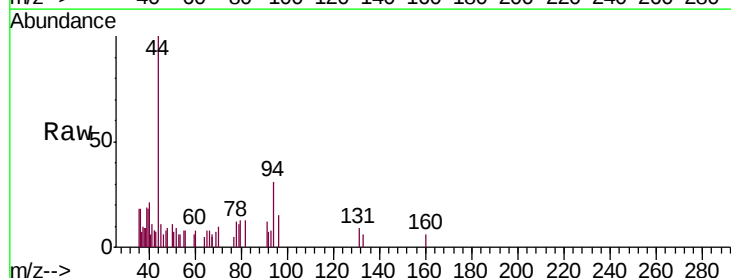
Acq: 02 Aug 2019 14:56

Tgt Ion: 94 Resp: 612

Ion Ratio Lower Upper

94 100

96 48.5 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

200

100

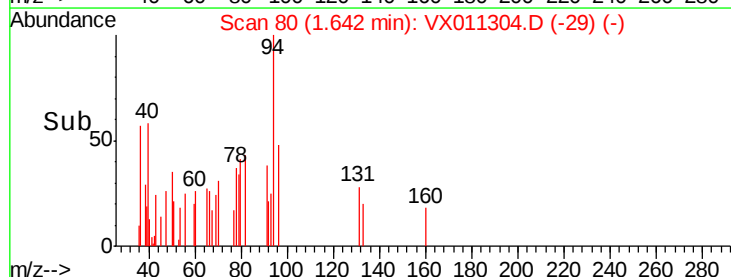
0

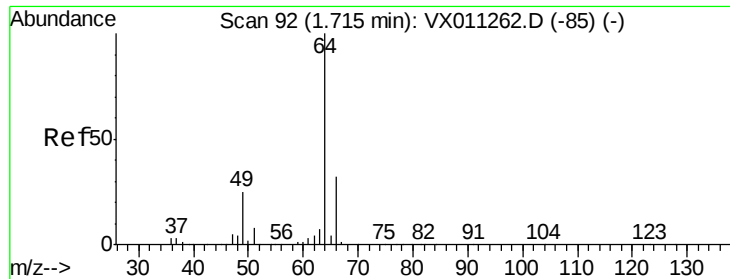
Time-->

1.60

1.65

1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX011304.D

Acq: 02 Aug 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

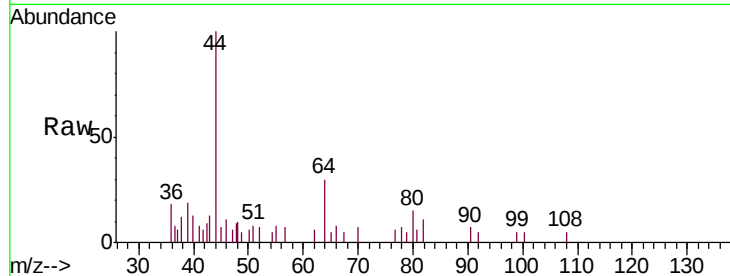
BP-VPB203-TB-20190731

Tgt Ion: 64 Resp: 169

Ion Ratio Lower Upper

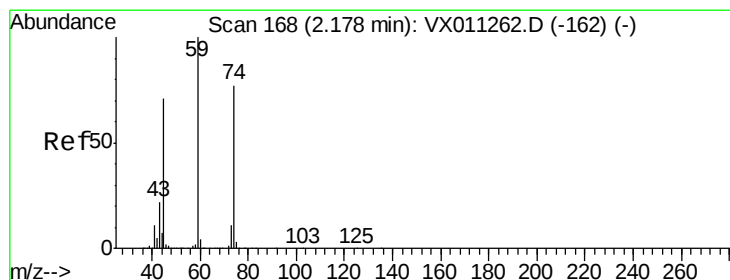
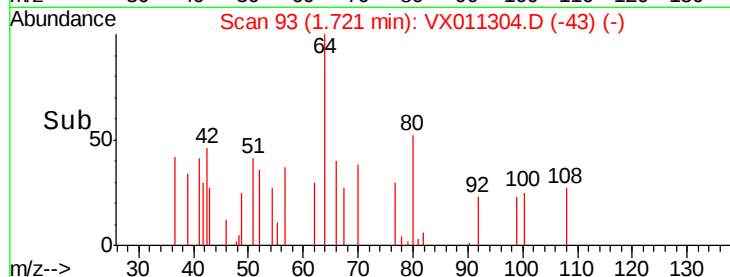
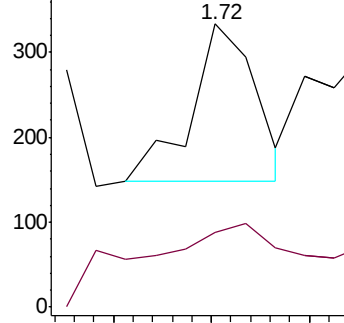
64 100

66 17.3 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#8

Diethyl Ether

Concen: 0.204 ug/l

RT: 1.98 min Scan# 136

Delta R.T. -0.19 min

Lab File: VX011304.D

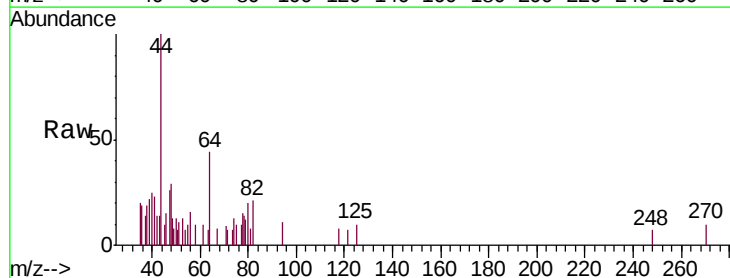
Acq: 02 Aug 2019 14:56

Tgt Ion: 74 Resp: 180

Ion Ratio Lower Upper

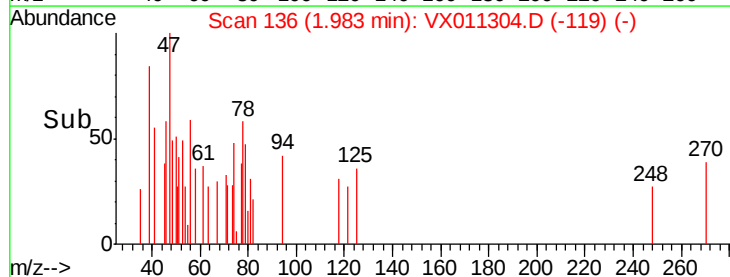
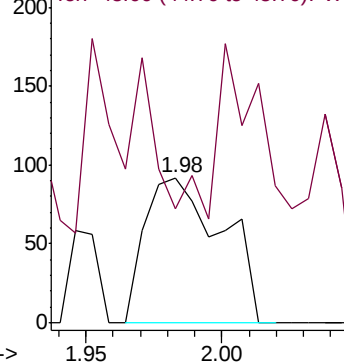
74 100

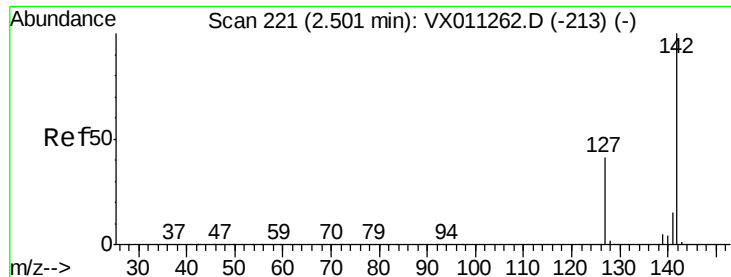
45 72.8 46.1 138.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

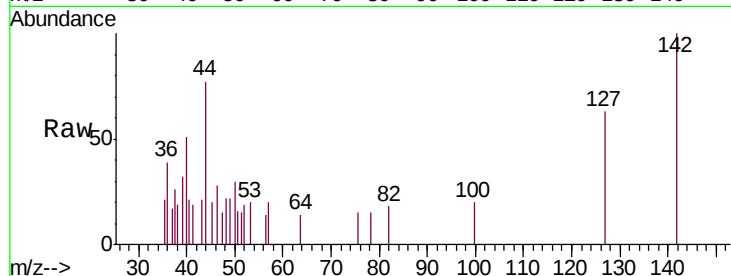




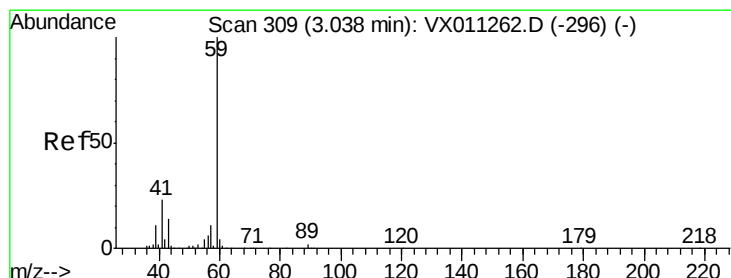
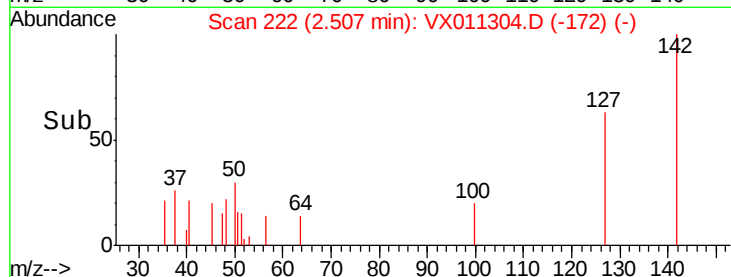
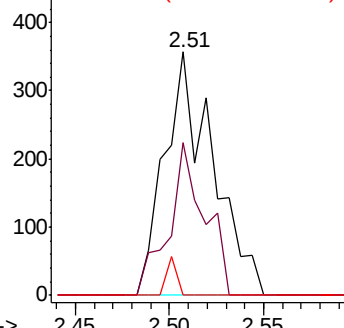
#10
Methyl Iodide
Concen: 0.375 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.01 min
Lab File: VX011304.D
Acq: 02 Aug 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-TB-20190731

Tgt Ion: 142 Resp: 631
Ion Ratio Lower Upper
142 100
127 46.6 33.8 50.8
141 3.2 11.4 17.2#

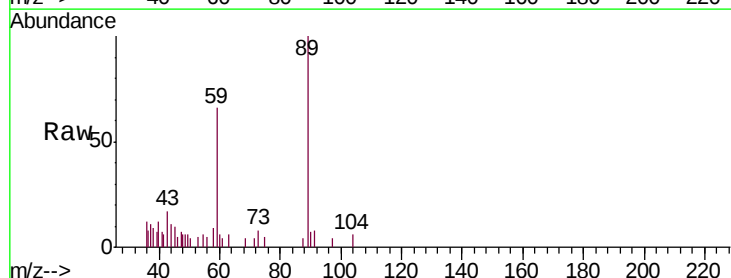


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

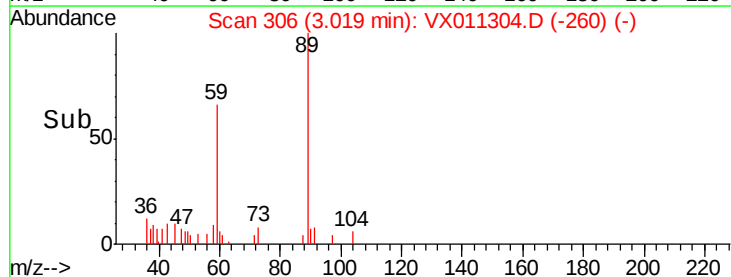
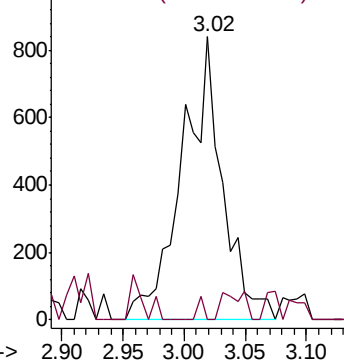


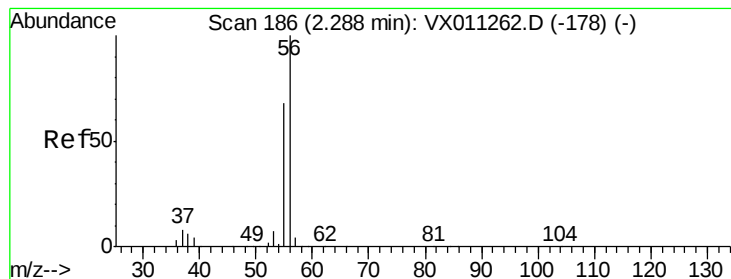
#11
Tert butyl alcohol
Concen: 6.654 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.02 min
Lab File: VX011304.D
Acq: 02 Aug 2019 14:56

Tgt Ion: 59 Resp: 1937
Ion Ratio Lower Upper
59 100
57 1.3 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.305 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX011304.D

Acq: 02 Aug 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

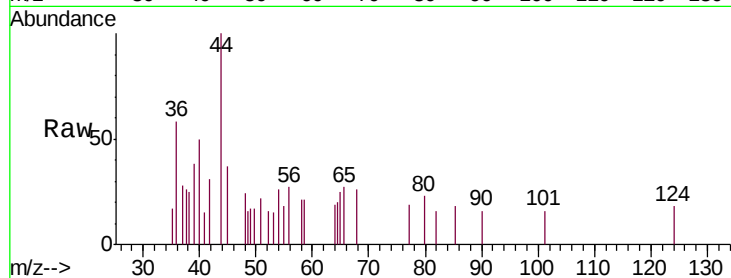
BP-VPB203-TB-20190731

Tgt Ion: 56 Resp: 132

Ion Ratio Lower Upper

56 100

55 0.0 56.0 84.0#

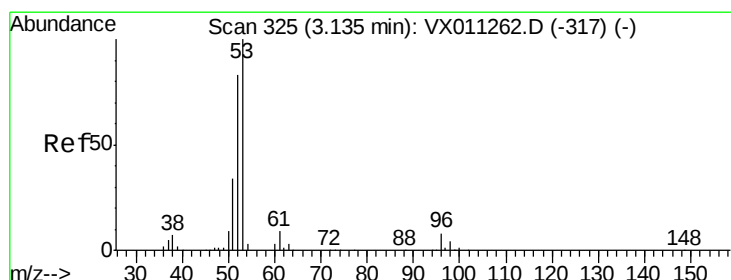
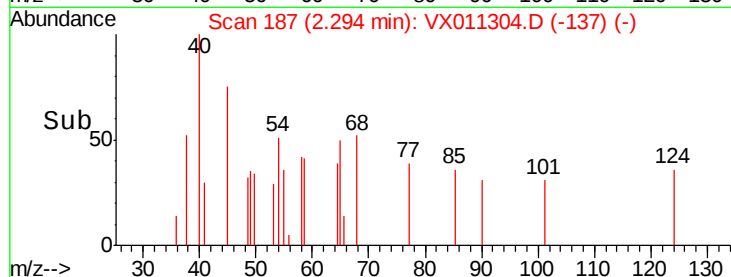


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

Time-->



#15

Acrylonitrile

Concen: 0.242 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.02 min

Lab File: VX011304.D

Acq: 02 Aug 2019 14:56

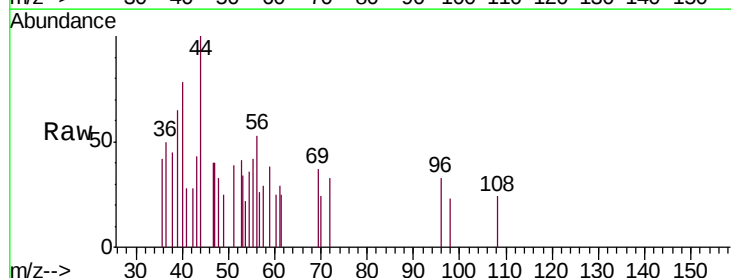
Tgt Ion: 53 Resp: 169

Ion Ratio Lower Upper

53 100

52 0.0 65.5 98.3#

51 47.9 27.9 41.9#



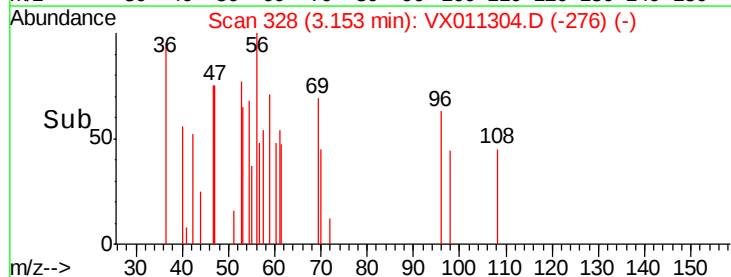
Abundance Ion 53.00 (52.70 to 53.70): VX0

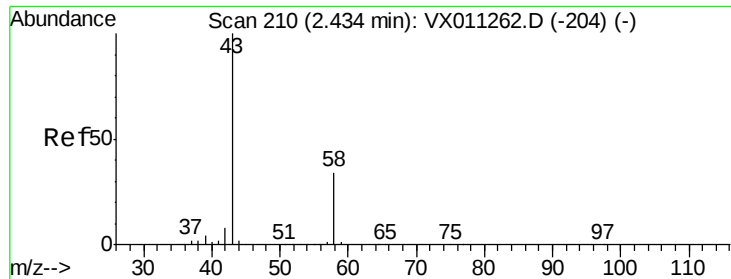
Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

3.15

Time-->





#16

Acetone

Concen: 0.321 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX011304.D

Acq: 02 Aug 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

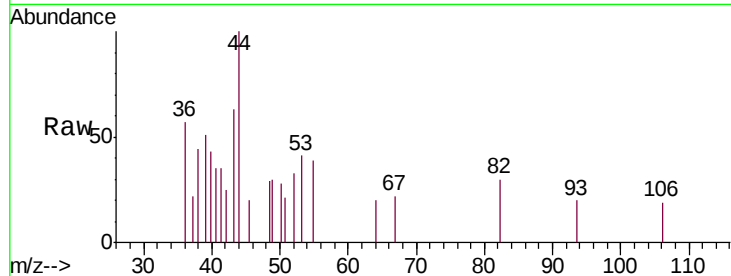
BP-VPB203-TB-20190731

Tgt Ion: 43 Resp: 224

Ion Ratio Lower Upper

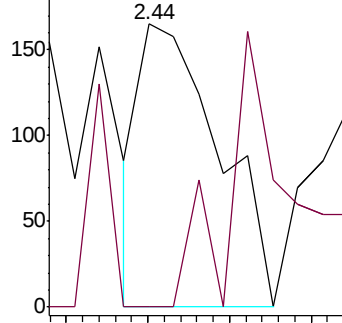
43 100

58 0.0 27.4 41.0#

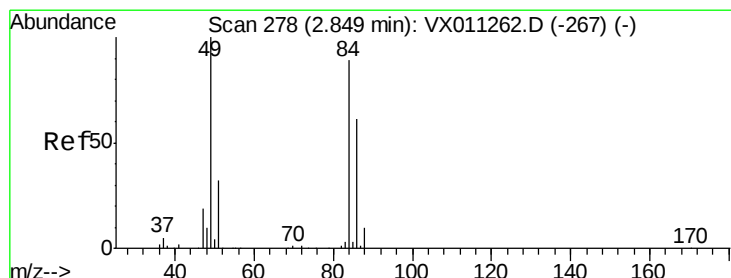
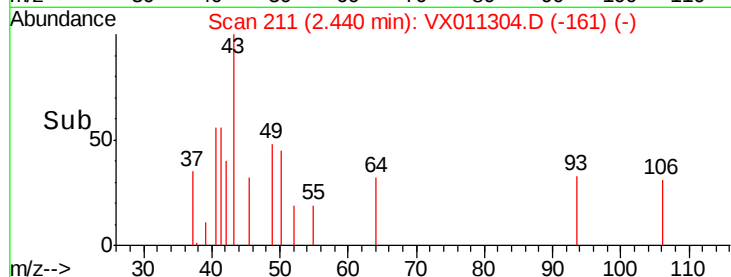


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#20

Methylene Chloride

Concen: 0.287 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.00 min

Lab File: VX011304.D

Acq: 02 Aug 2019 14:56

Tgt Ion: 84 Resp: 439

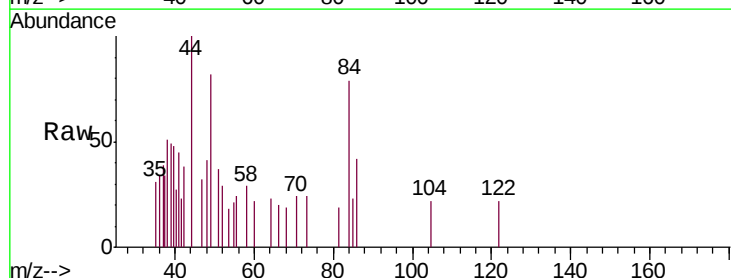
Ion Ratio Lower Upper

84 100

49 103.6 89.3 133.9

51 46.2 28.3 42.5#

86 53.4 54.5 81.7#

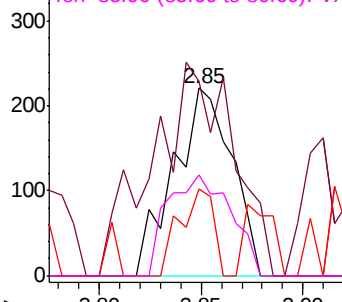


Abundance Ion 83.90 (83.60 to 84.60): VX0

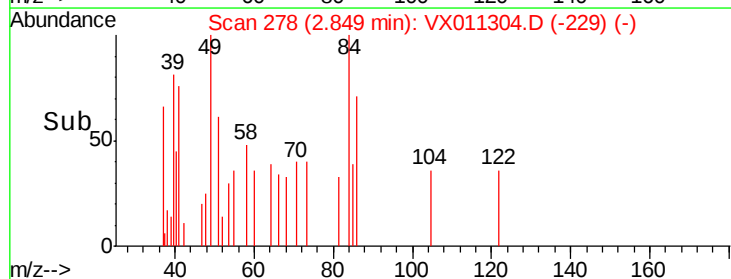
Ion 48.90 (48.60 to 49.60): VX0

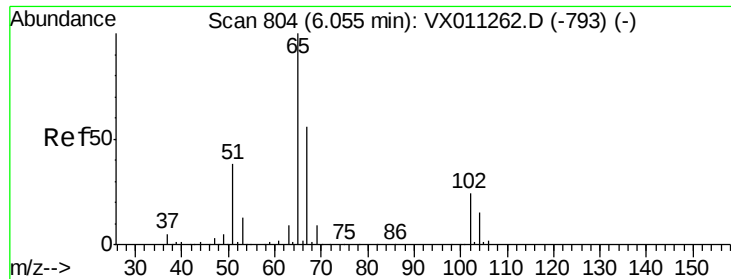
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



Time-->

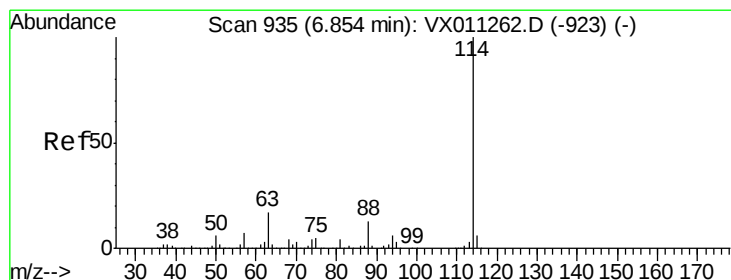
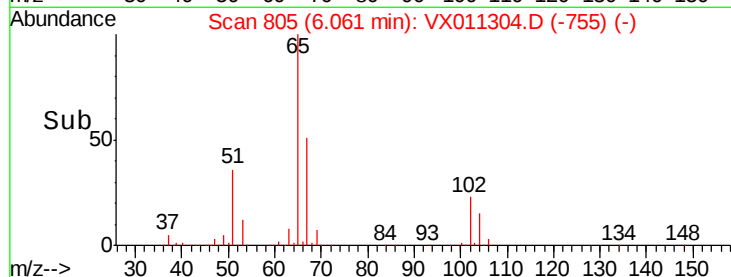
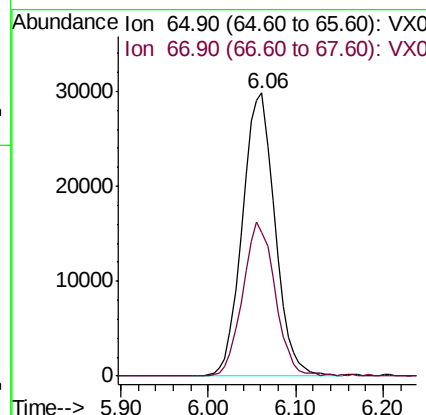
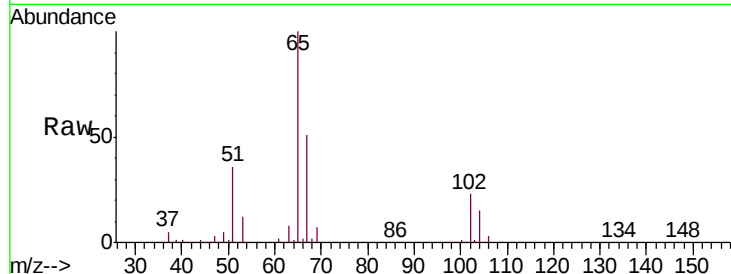




#33
 1,2-Dichloroethane-d4
 Concen: 52.928 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VX011304.D
 Acq: 02 Aug 2019 14:56

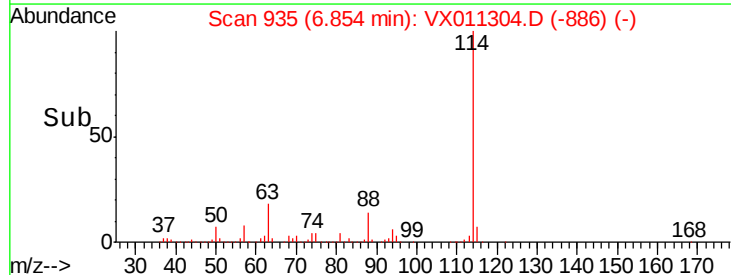
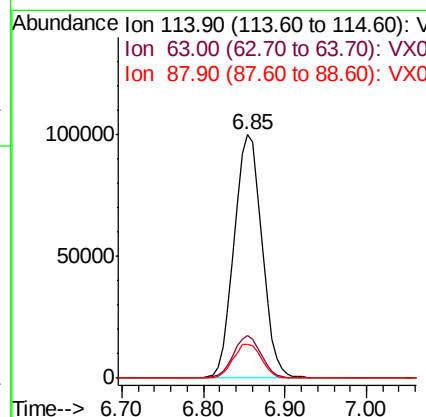
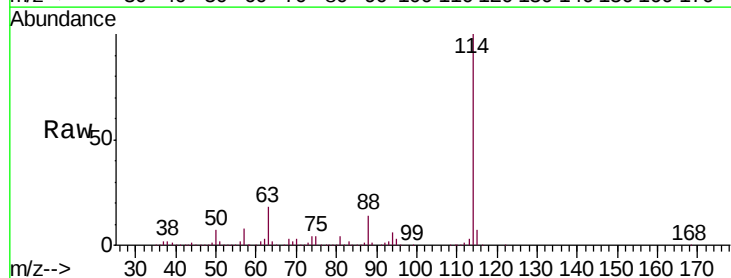
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 BP-VPB203-TB-20190731

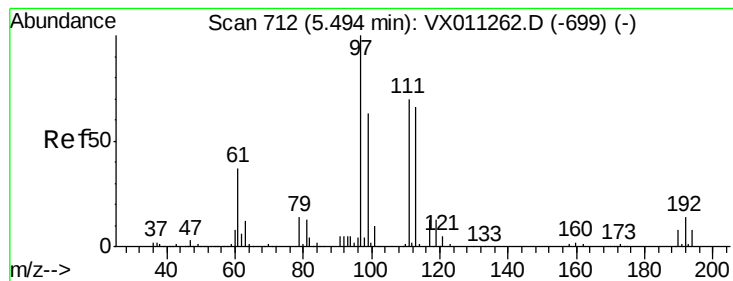
Tgt Ion: 65 Resp: 77531
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011304.D
 Acq: 02 Aug 2019 14:56

Tgt Ion: 114 Resp: 235700
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 34.0
 88 14.1 0.0 26.4





#35

Dibromofluoromethane

Concen: 47.993 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011304.D

Acq: 02 Aug 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-TB-20190731

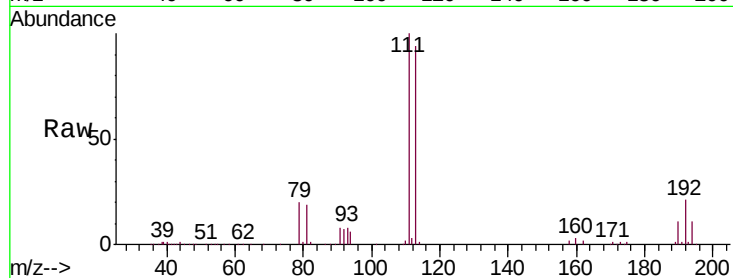
Tgt Ion:113 Resp: 73853

Ion Ratio Lower Upper

113 100

111 102.7 81.9 122.9

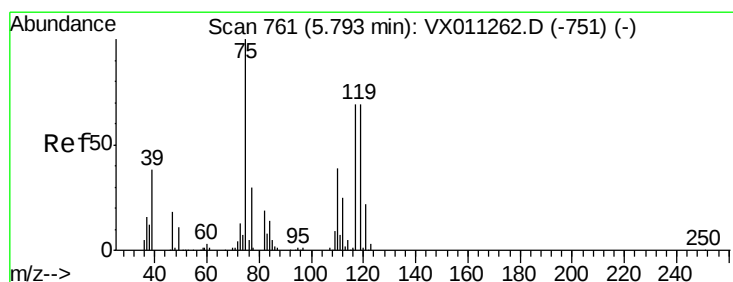
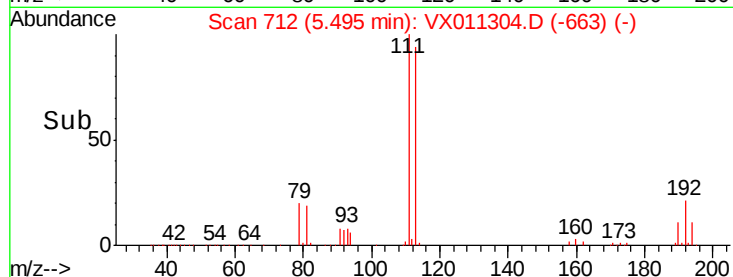
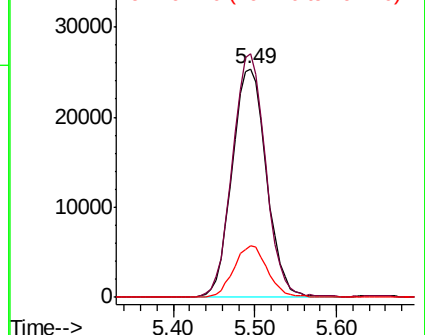
192 22.2 17.8 26.8



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: 4.545 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011304.D

Acq: 02 Aug 2019 14:56

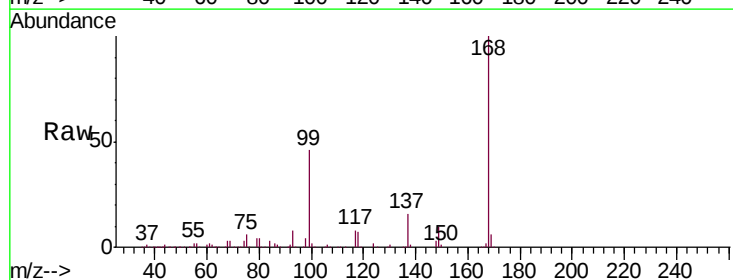
Tgt Ion: 75 Resp: 9354

Ion Ratio Lower Upper

75 100

110 0.0 20.0 59.9#

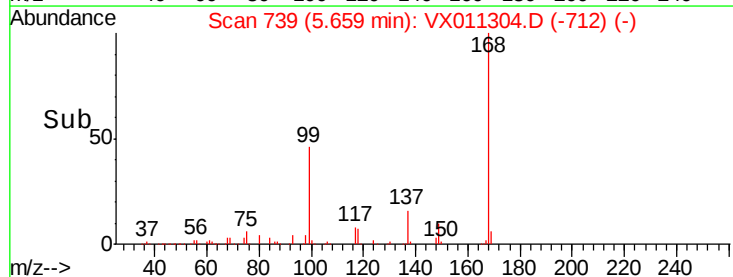
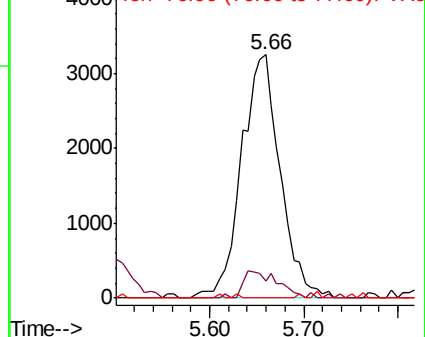
77 0.0 24.8 37.2#

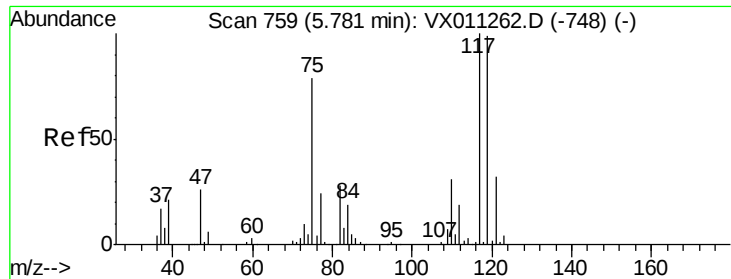


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

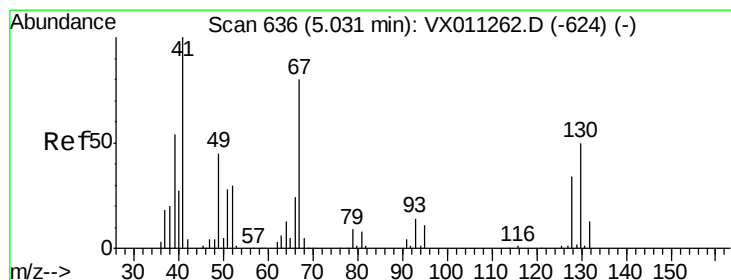
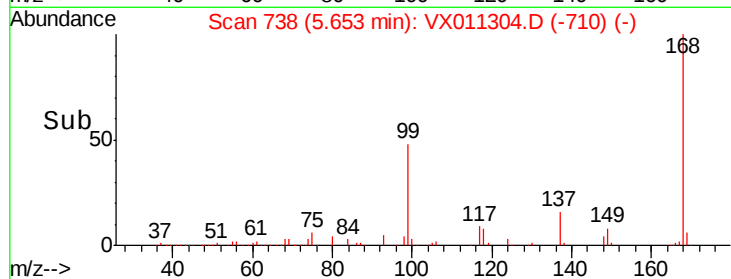
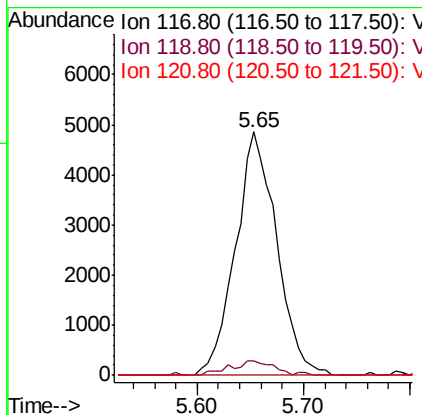
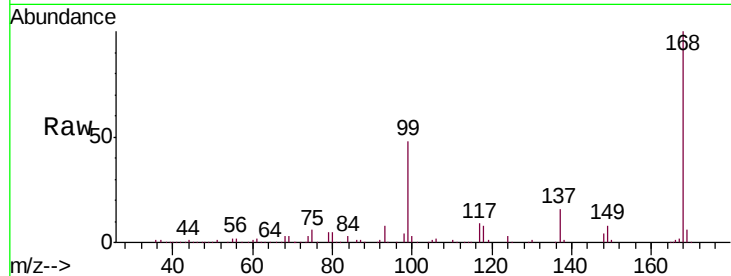




#38
Carbon Tetrachloride
Concen: 6.362 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX011304.D
Acq: 02 Aug 2019 14:56

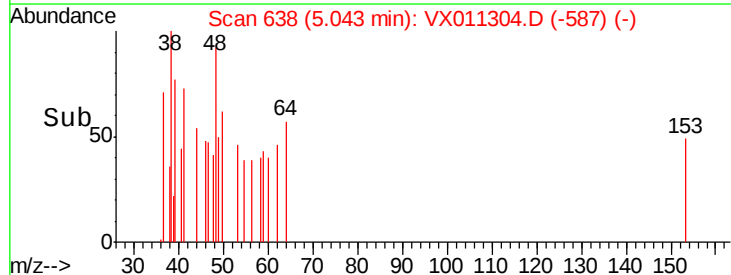
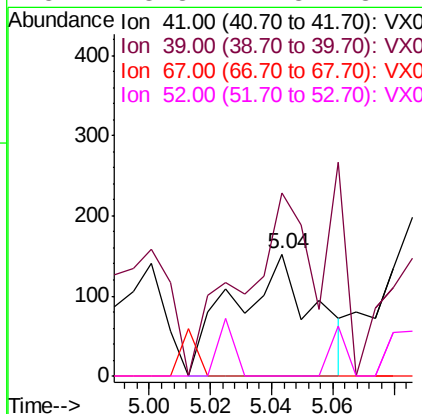
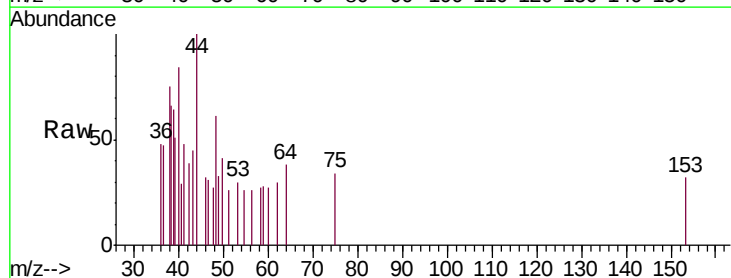
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-TB-20190731

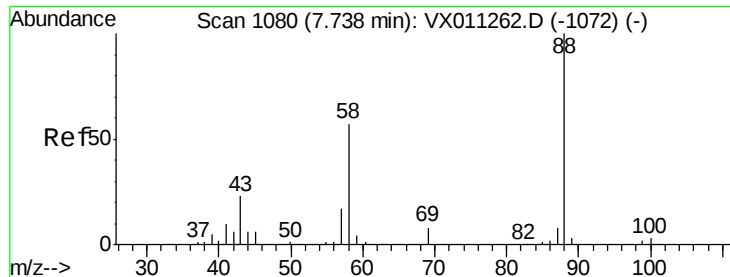
Tgt Ion: 117 Resp: 13172
Ion Ratio Lower Upper
117 100
119 6.1 79.0 118.4#
121 0.0 25.9 38.9#



#41
Methacrylonitrile
Concen: 0.246 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.01 min
Lab File: VX011304.D
Acq: 02 Aug 2019 14:56

Tgt Ion: 41 Resp: 277
Ion Ratio Lower Upper
41 100
39 171.5 43.0 64.6#
67 0.0 65.1 97.7#
52 8.3 24.8 37.2#





#49

1,4-Dioxane

Concen: 0.999 ug/l

RT: 7.92 min Scan# 1110

Delta R.T. 0.18 min

Lab File: VX011304.D

Acq: 02 Aug 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-TB-20190731

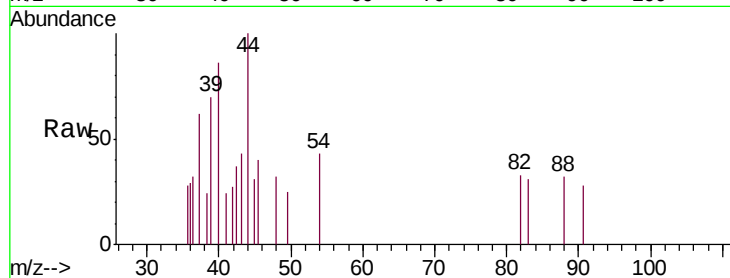
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 364.4 22.2 33.2#

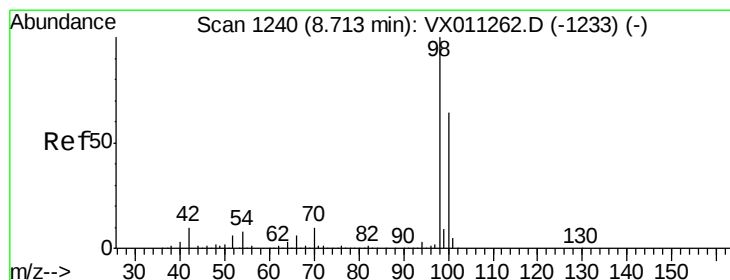
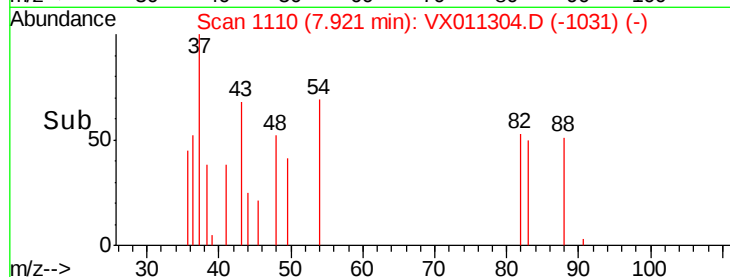
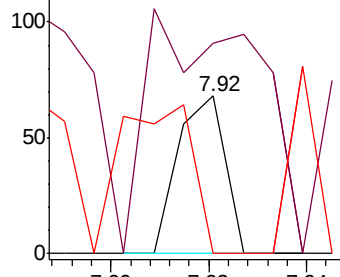
58 144.4 47.8 71.8#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 48.630 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011304.D

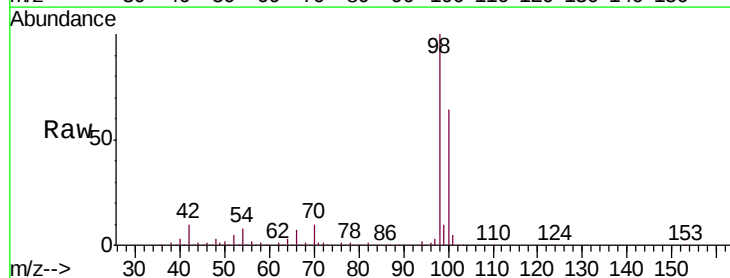
Acq: 02 Aug 2019 14:56

Tgt Ion: 98 Resp: 282472

Ion Ratio Lower Upper

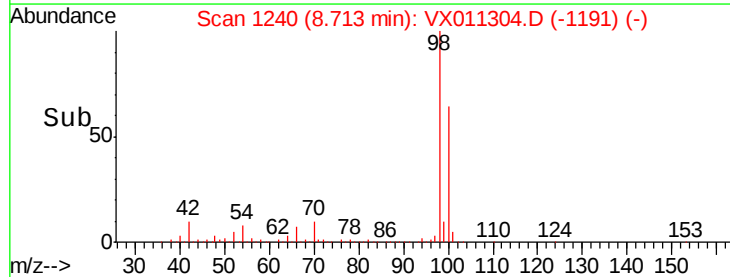
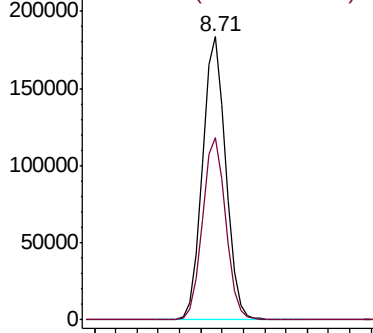
98 100

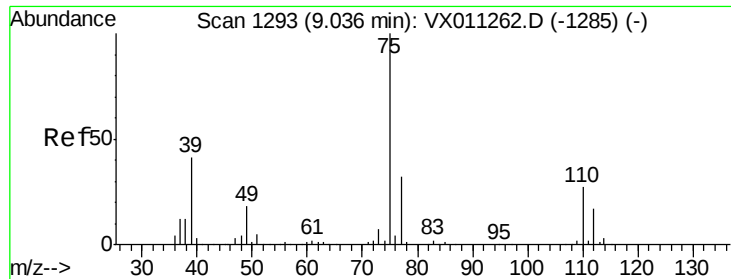
100 64.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

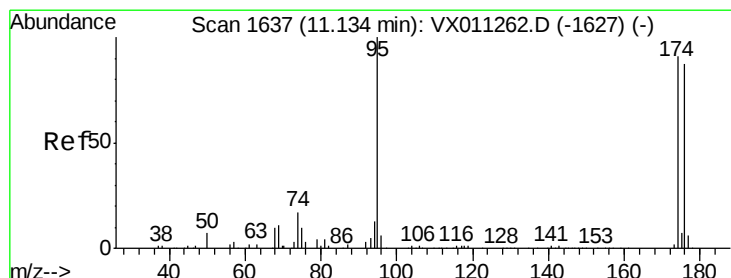
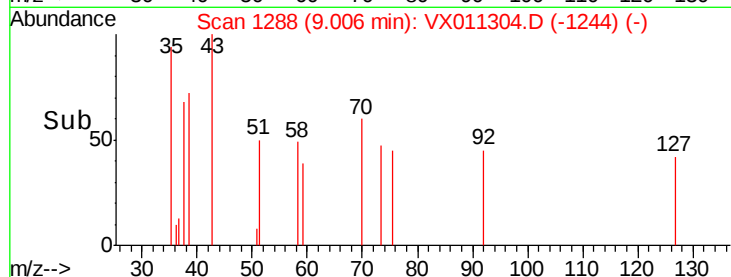
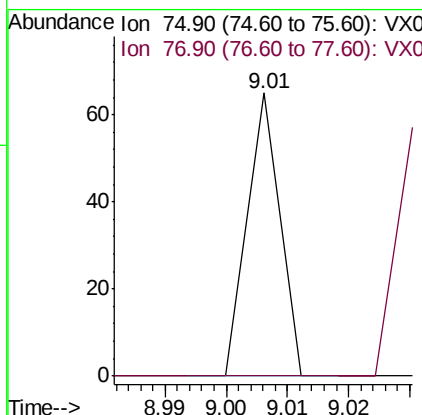
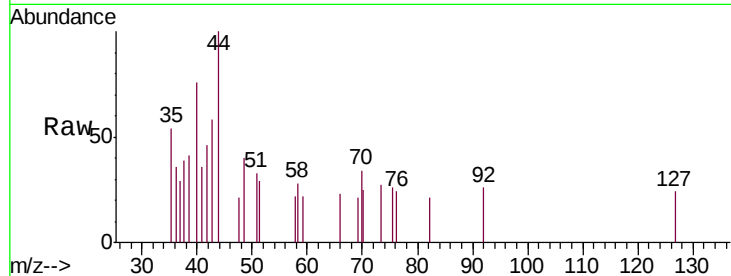




#53
t-1,3-Dichloropropene
Concen: 2.848 ug/l
RT: 9.01 min Scan# 1288
Delta R.T. -0.03 min
Lab File: VX011304.D
Acq: 02 Aug 2019 14:56

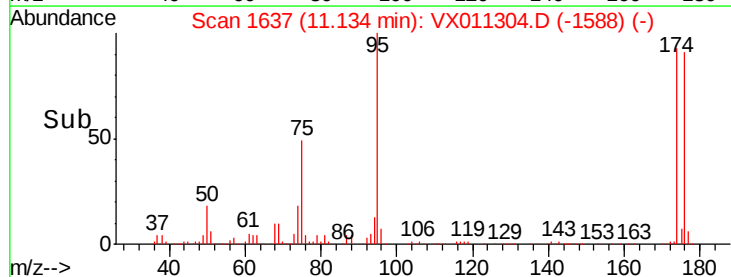
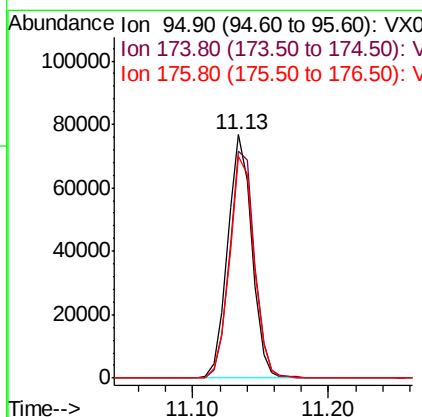
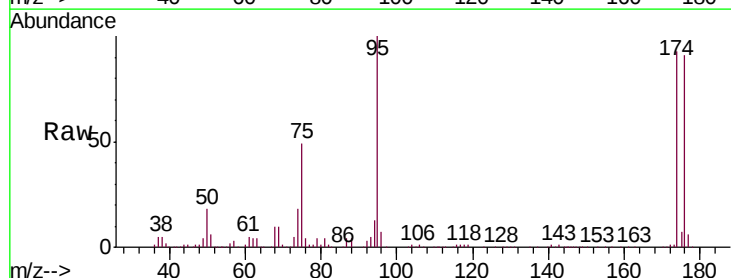
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-TB-20190731

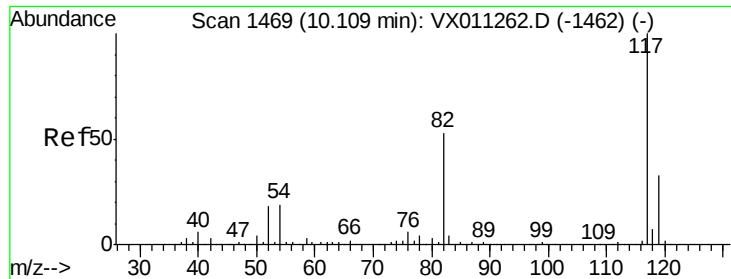
Tgt Ion: 75 Resp: 24
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#62
4-Bromofluorobenzene
Concen: 45.738 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011304.D
Acq: 02 Aug 2019 14:56

Tgt Ion: 95 Resp: 94853
Ion Ratio Lower Upper
95 100
174 96.6 0.0 191.2
176 92.6 0.0 184.8

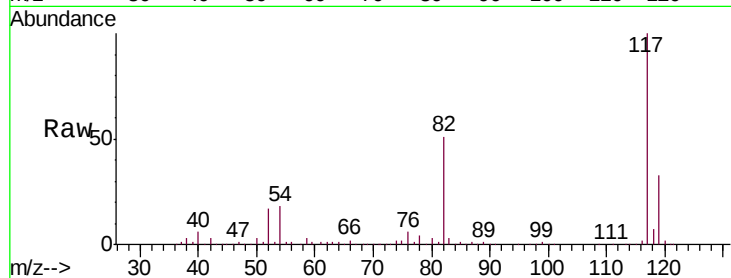




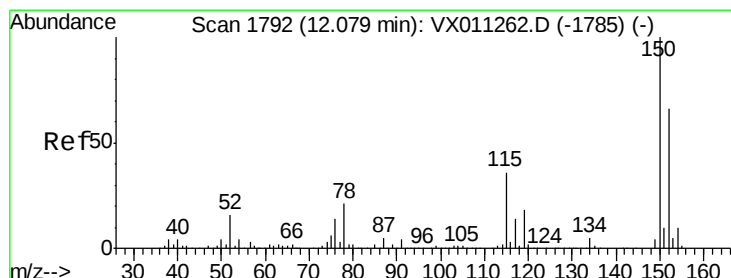
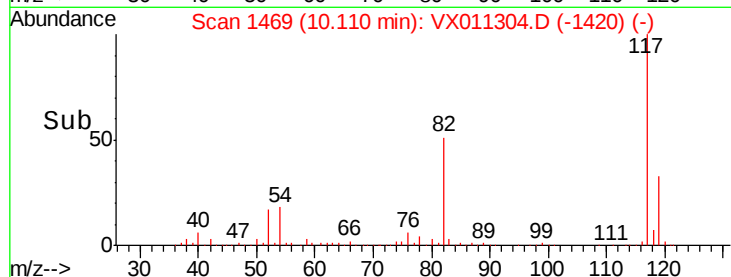
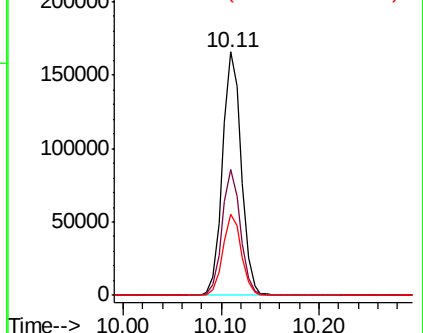
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011304.D
Acq: 02 Aug 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-TB-20190731

Tgt Ion:117 Resp: 220908
Ion Ratio Lower Upper
117 100
82 51.4 42.2 63.2
119 33.2 26.6 39.8

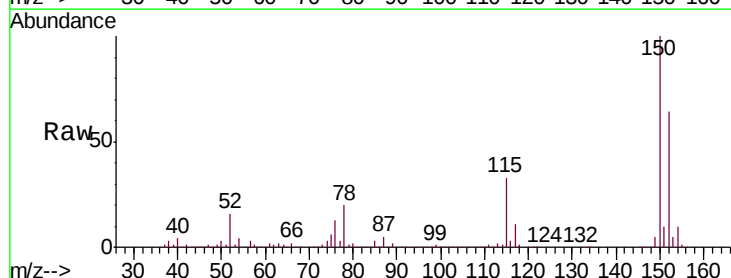


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

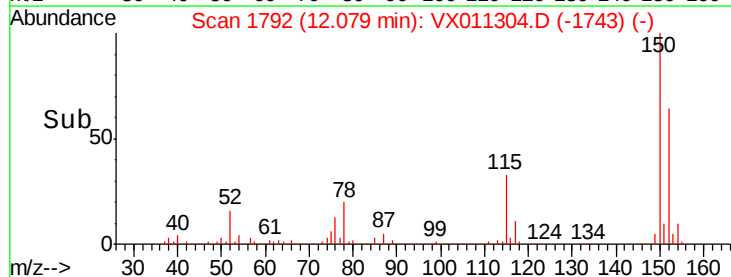
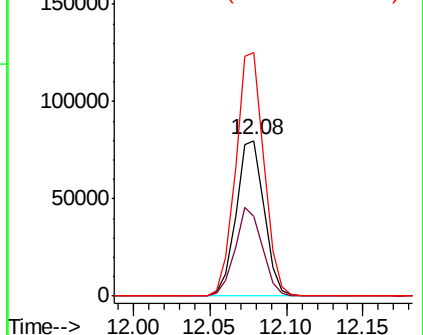


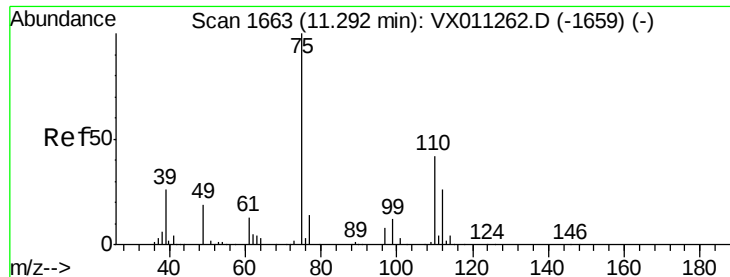
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011304.D
Acq: 02 Aug 2019 14:56

Tgt Ion:152 Resp: 101340
Ion Ratio Lower Upper
152 100
115 55.1 40.0 119.9
150 157.3 0.0 350.4



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

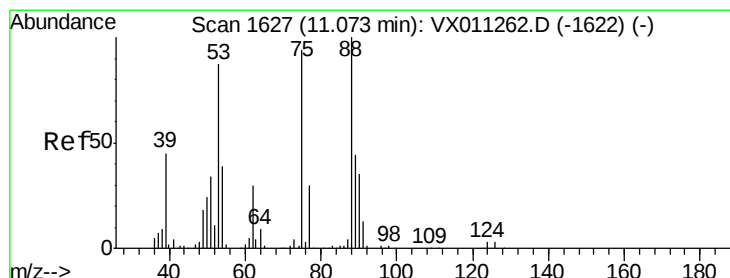
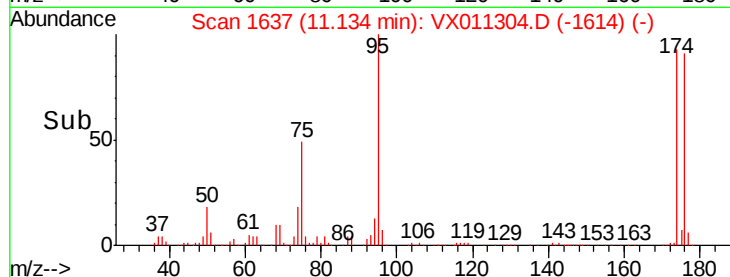
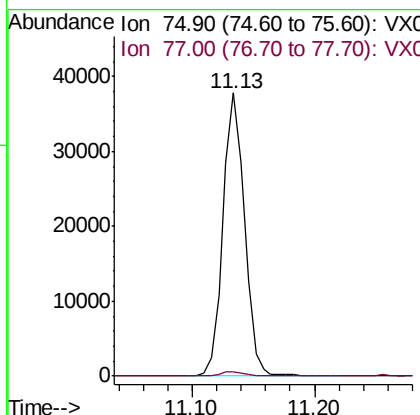
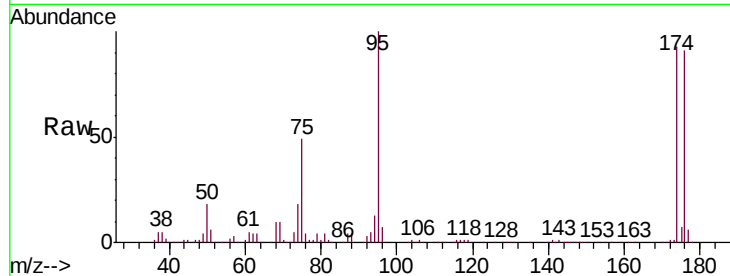




#76
 1,2,3-Trichloropropane
 Concen: 24.978 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011304.D
 Acq: 02 Aug 2019 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-TB-20190731

Tgt Ion: 75 Resp: 46097
 Ion Ratio Lower Upper
 75 100
 77 1.7 21.1 63.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.185 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011304.D
 Acq: 02 Aug 2019 14:56

Tgt Ion: 75 Resp: 46097
 Ion Ratio Lower Upper
 75 100
 53 0.6 78.2 117.4#
 89 0.0 37.9 56.9#

