

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX073019\
 Data File : VX011188.D
 Acq On : 30 Jul 2019 12:36
 Operator : JC/SP
 Sample : K4043-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-TB-20190724

Quant Time: Aug 08 05:21:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	238743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	345918	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	308016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	141174	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	118589	46.69	ug/l	0.00
Spiked Amount			Recovery	=	93.38%	
35) Dibromofluoromethane	5.49	113	102416	46.65	ug/l	0.00
Spiked Amount			Recovery	=	93.30%	
50) Toluene-d8	8.71	98	401604	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
62) 4-Bromofluorobenzene	11.13	95	132823	43.88	ug/l	0.00
Spiked Amount			Recovery	=	87.76%	

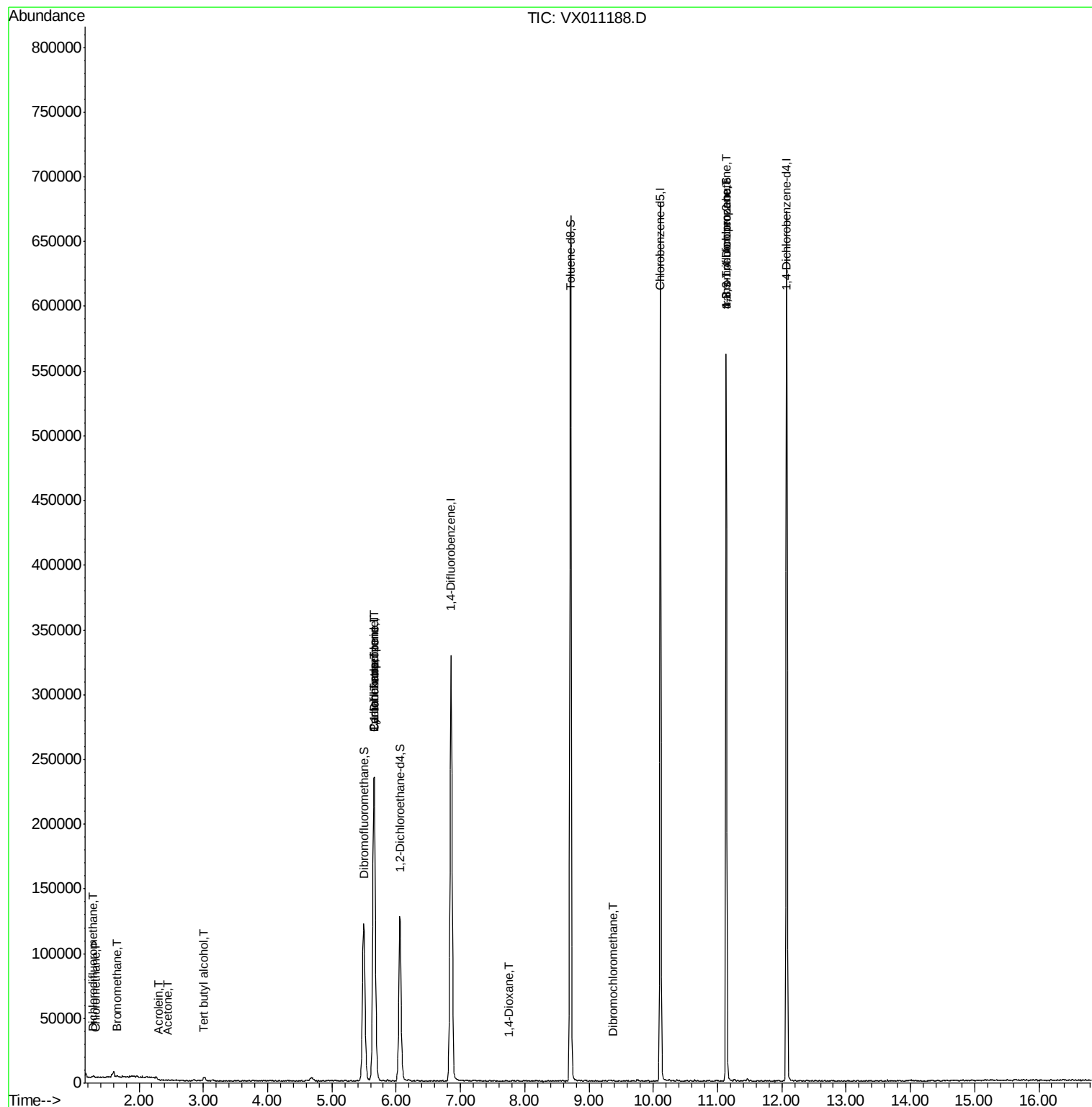
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.29	85	40	0.562	ug/l #	43
3) Chloromethane	1.33	50	619	0.282	ug/l	91
5) Bromomethane	1.65	94	797	0.632	ug/l	92
11) Tert butyl alcohol	3.01	59	1661	2.808	ug/l #	83
13) Acrolein	2.31	56	165	0.483	ug/l	90
16) Acetone	2.44	43	551	0.480	ug/l	95
31) Cyclohexane	5.66	56	4603	1.335	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15766	5.549	ug/l #	48
38) Carbon Tetrachloride	5.65	117	22150	7.481	ug/l #	17
49) 1,4-Dioxane	7.76	88	20	0.307	ug/l #	1
60) Dibromochloromethane	9.37	129	40	2.542	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	67335	26.431	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	67335	65.615	ug/l #	11

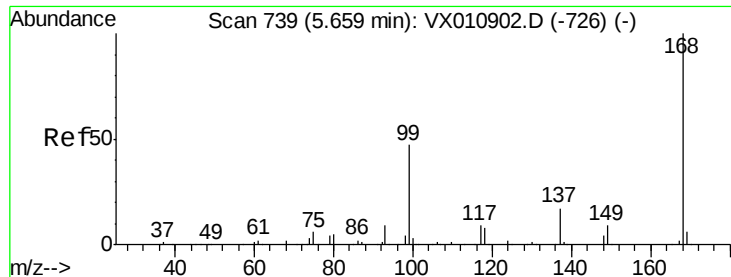
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX073019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX011188.D

Acq: 30 Jul 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

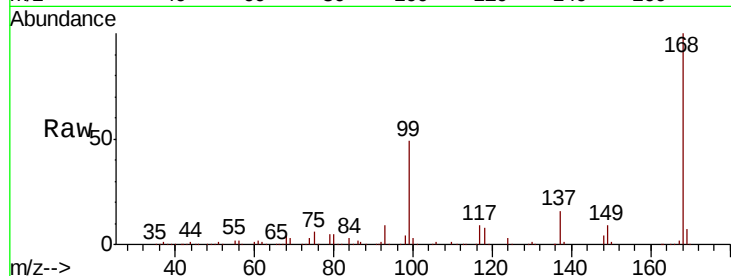
BP-VPB203-TB-20190724

Tgt Ion:168 Resp: 238743

Ion Ratio Lower Upper

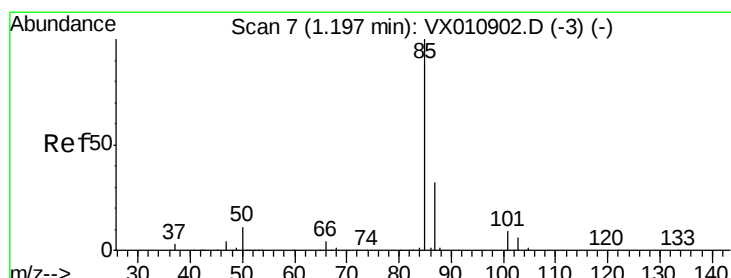
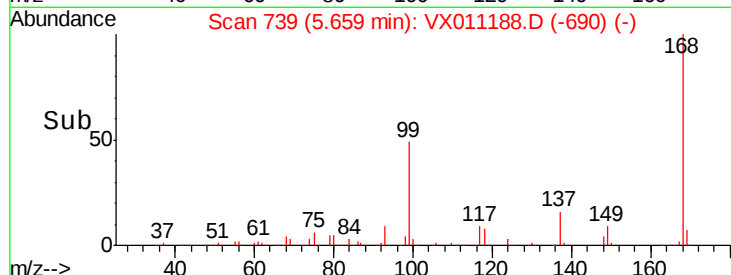
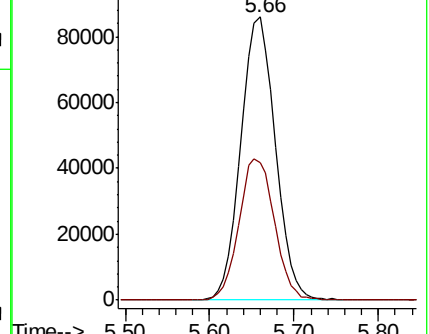
168 100

99 48.7 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.562 ug/l

RT: 1.29 min Scan# 23

Delta R.T. 0.10 min

Lab File: VX011188.D

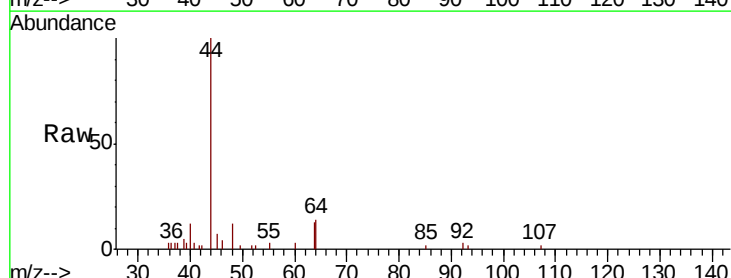
Acq: 30 Jul 2019 12:36

Tgt Ion: 85 Resp: 40

Ion Ratio Lower Upper

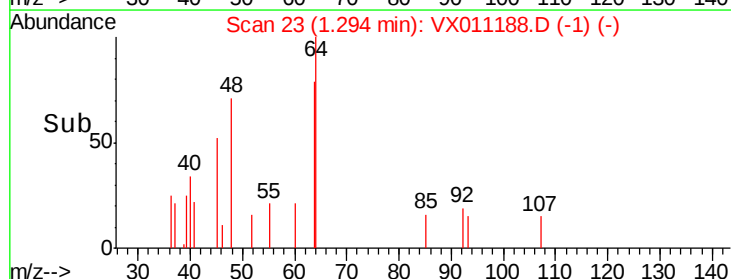
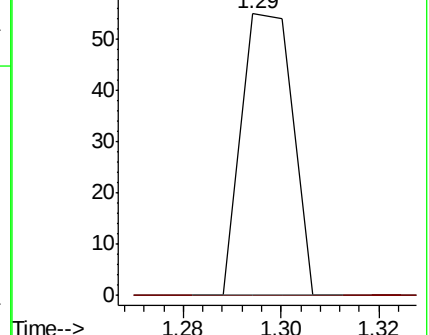
85 100

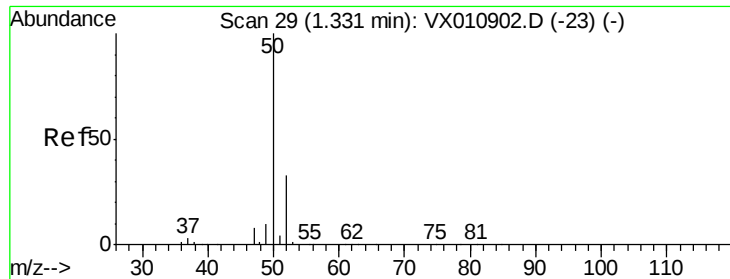
87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.282 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX011188.D

Acq: 30 Jul 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

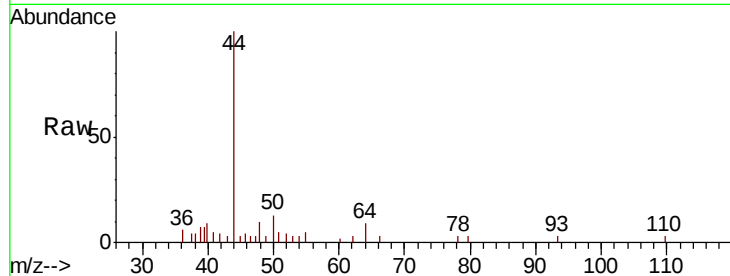
BP-VPB203-TB-20190724

Tgt Ion: 50 Resp: 619

Ion Ratio Lower Upper

50 100

52 28.0 26.4 39.6

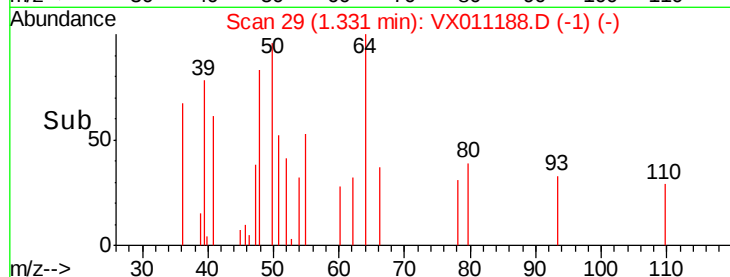


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

Time-->

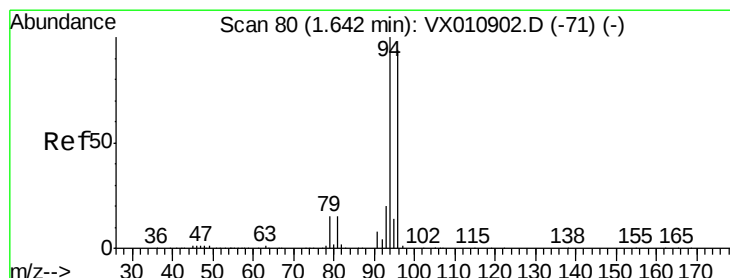


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

Time-->



#5

Bromomethane

Concen: 0.632 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX011188.D

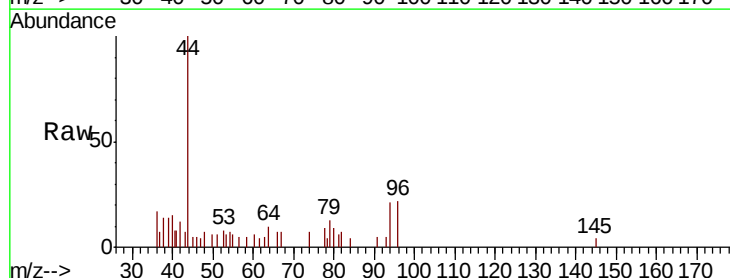
Acq: 30 Jul 2019 12:36

Tgt Ion: 94 Resp: 797

Ion Ratio Lower Upper

94 100

96 102.0 75.6 113.4

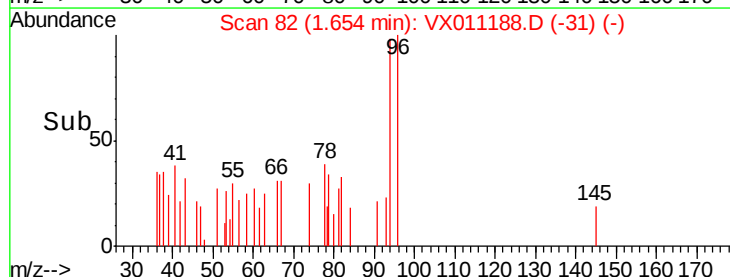


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

Time-->

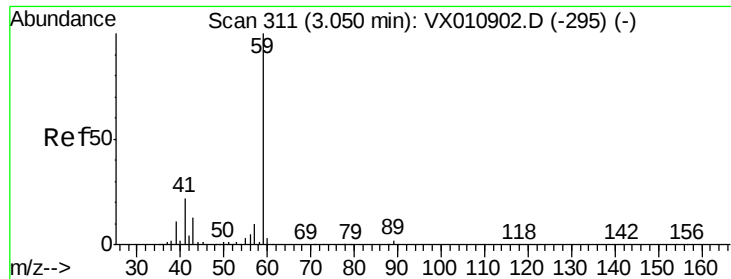


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

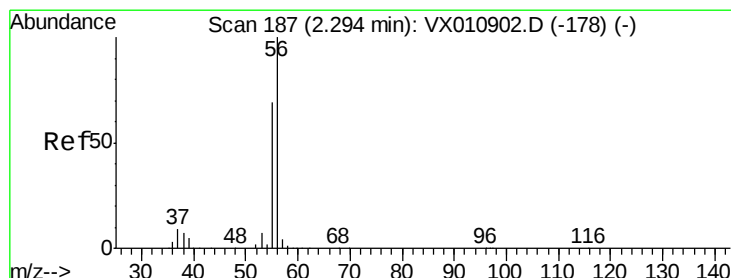
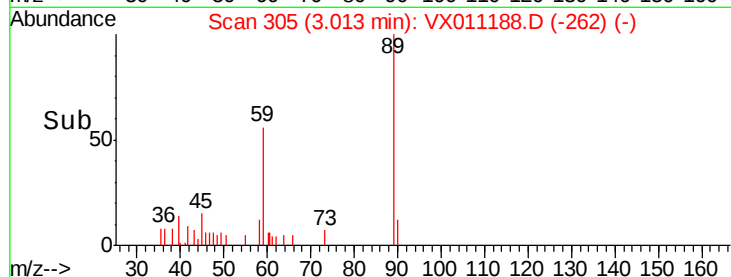
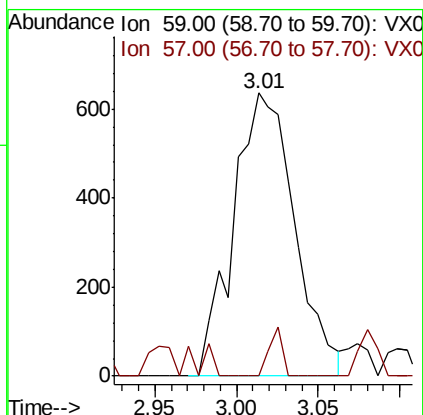
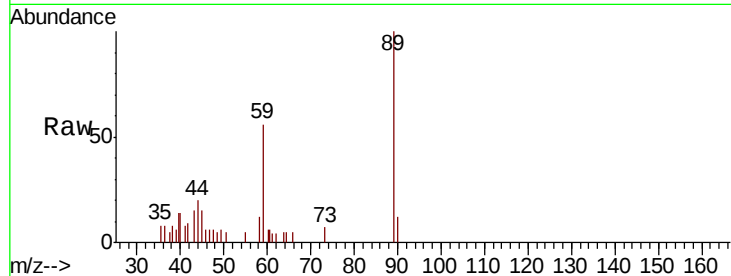
Time-->



#11
Tert butyl alcohol
Concen: 2.808 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX011188.D
Acq: 30 Jul 2019 12:36

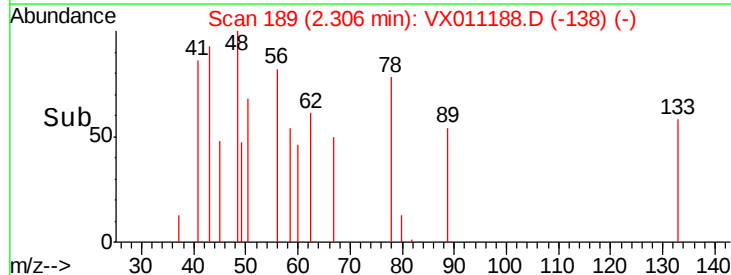
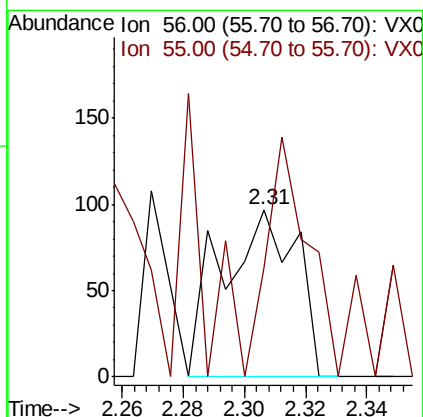
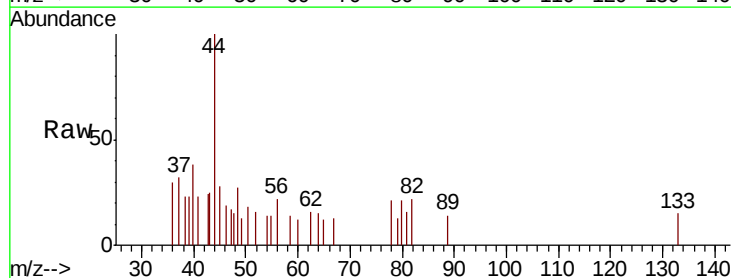
Instrument :
MSVOA_X
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BP-VPB203-TB-20190724

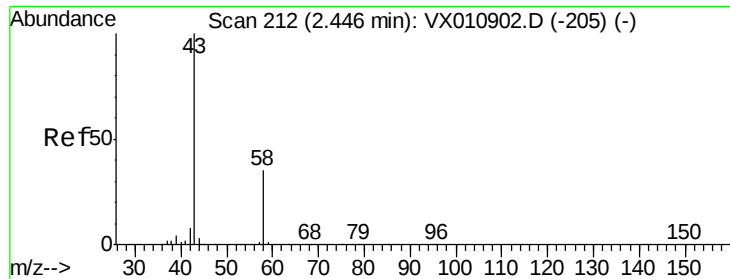
Tgt Ion: 59 Resp: 1661
Ion Ratio Lower Upper
59 100
57 3.7 7.9 11.9#



#13
Acrolein
Concen: 0.483 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX011188.D
Acq: 30 Jul 2019 12:36

Tgt Ion: 56 Resp: 165
Ion Ratio Lower Upper
56 100
55 78.2 55.9 83.9





#16

Acetone

Concen: 0.480 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX011188.D

Acq: 30 Jul 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

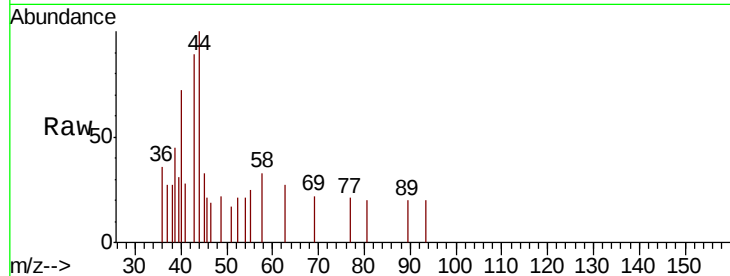
BP-VPB203-TB-20190724

Tgt Ion: 43 Resp: 551

Ion Ratio Lower Upper

43 100

58 37.4 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

250

200

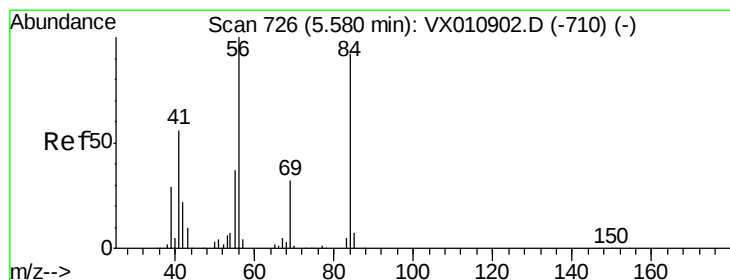
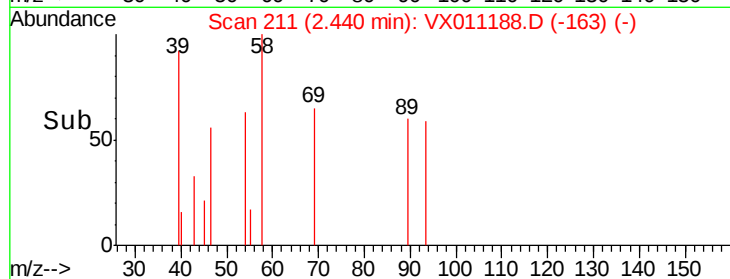
150

100

50

0

Time-->



#31

Cyclohexane

Concen: 1.335 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX011188.D

Acq: 30 Jul 2019 12:36

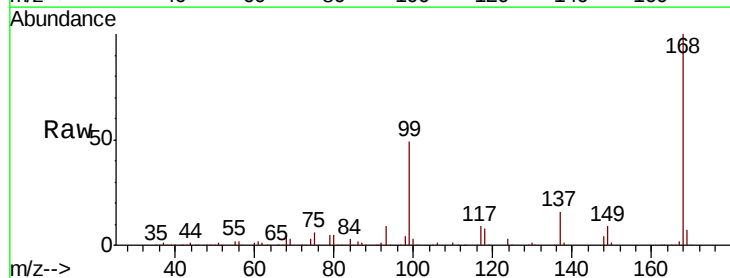
Tgt Ion: 56 Resp: 4603

Ion Ratio Lower Upper

56 100

69 171.0 25.8 38.8#

84 150.7 73.8 110.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

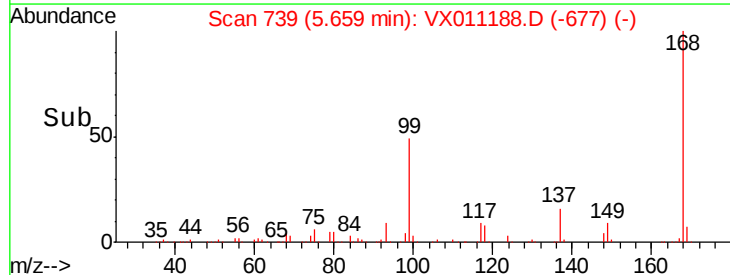
3000

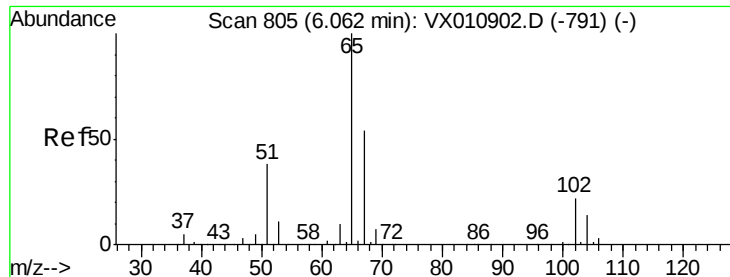
2000

1000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 46.691 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX011188.D

Acq: 30 Jul 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

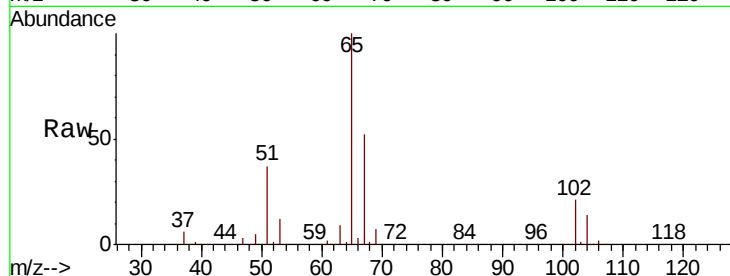
BP-VPB203-TB-20190724

Tgt Ion: 65 Resp: 118589

Ion Ratio Lower Upper

65 100

67 52.7 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

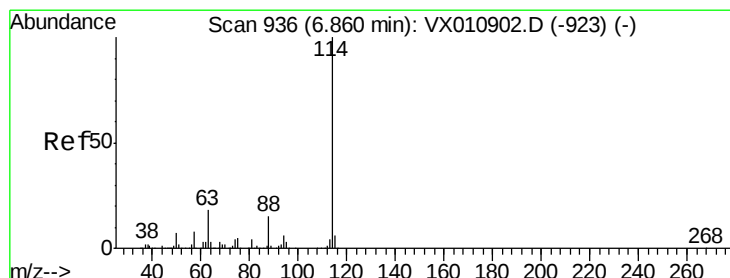
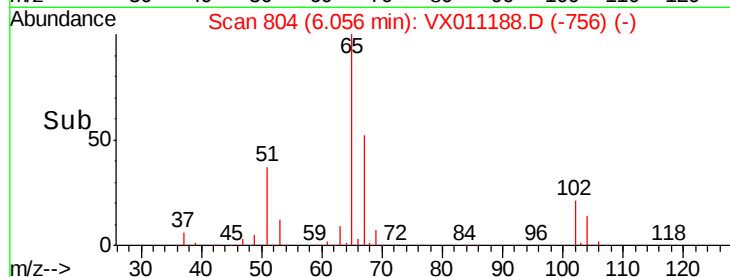
20000

10000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX011188.D

Acq: 30 Jul 2019 12:36

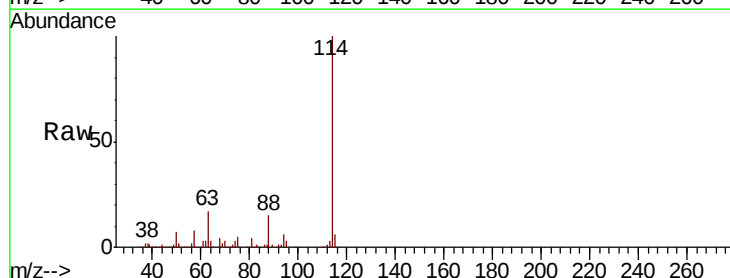
Tgt Ion: 114 Resp: 345918

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.6

88 14.5 0.0 29.8



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

200000

150000

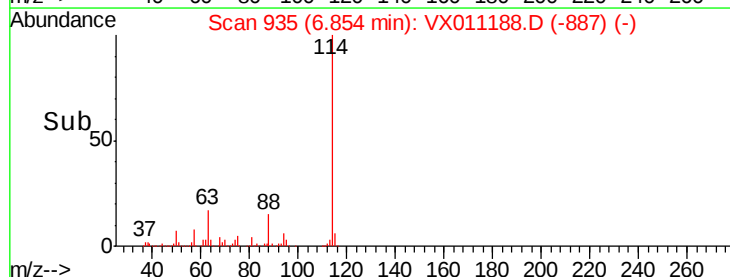
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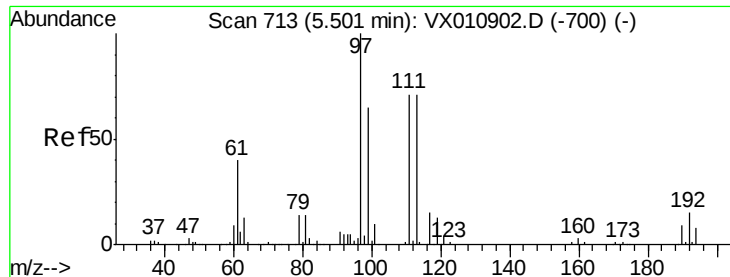
50000

0

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 46.646 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX011188.D

Acq: 30 Jul 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-TB-20190724

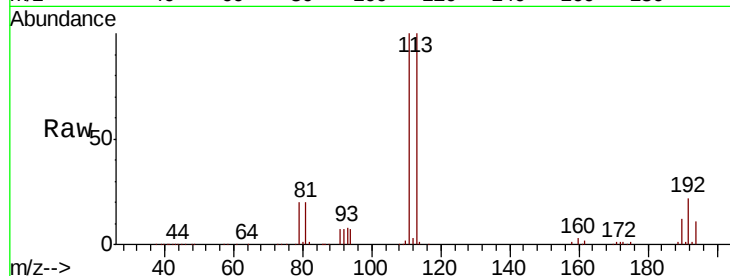
Tgt Ion:113 Resp: 102416

Ion Ratio Lower Upper

113 100

111 102.8 82.3 123.5

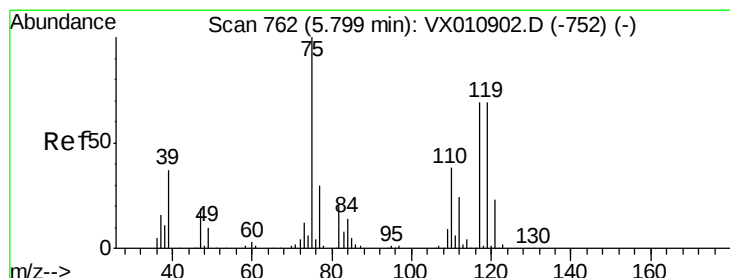
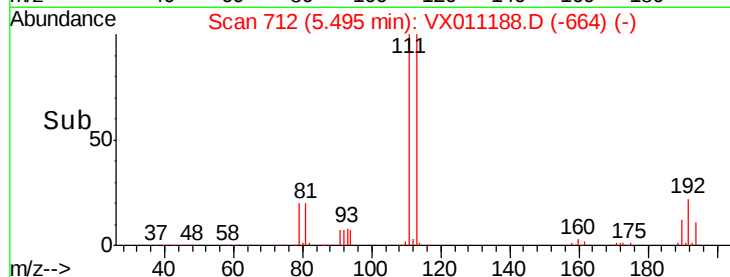
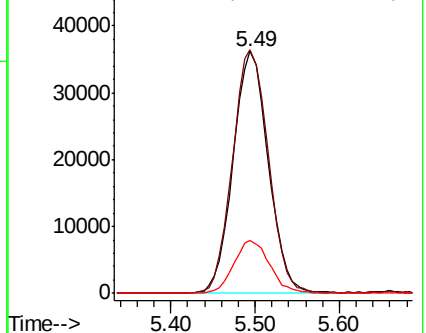
192 22.1 17.4 26.2



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: 5.549 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX011188.D

Acq: 30 Jul 2019 12:36

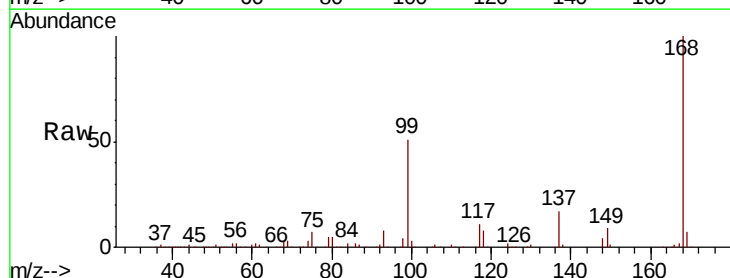
Tgt Ion: 75 Resp: 15766

Ion Ratio Lower Upper

75 100

110 9.9 19.9 59.7#

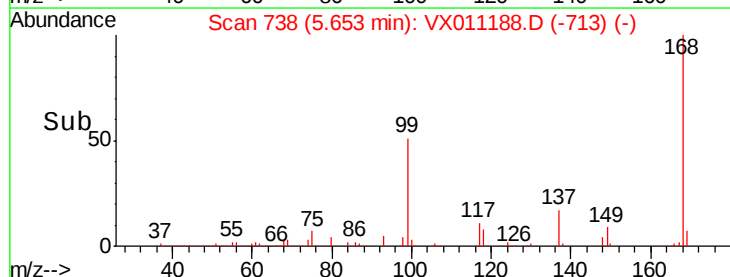
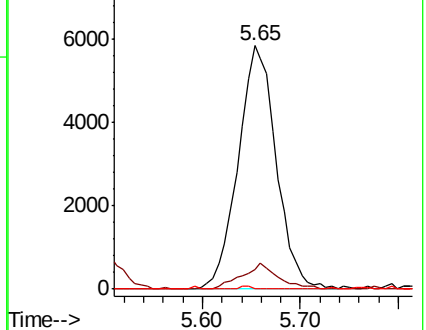
77 0.4 25.0 37.4#

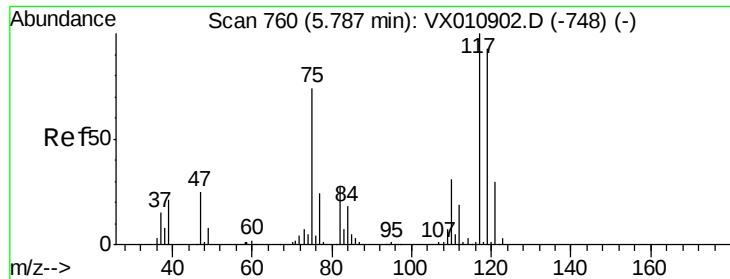


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

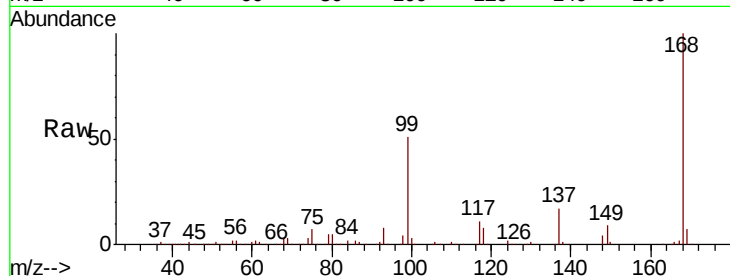




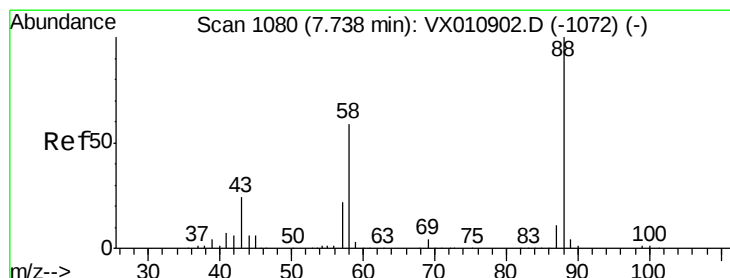
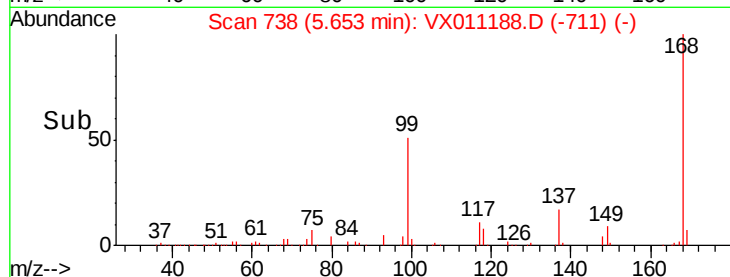
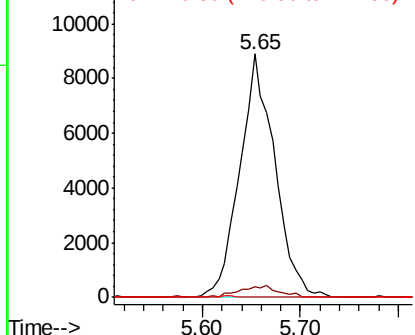
#38
Carbon Tetrachloride
Concen: 7.481 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX011188.D
Acq: 30 Jul 2019 12:36

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-TB-20190724

Tgt Ion: 117 Resp: 22150
Ion Ratio Lower Upper
117 100
119 4.6 74.2 111.2#
121 0.0 24.2 36.2#

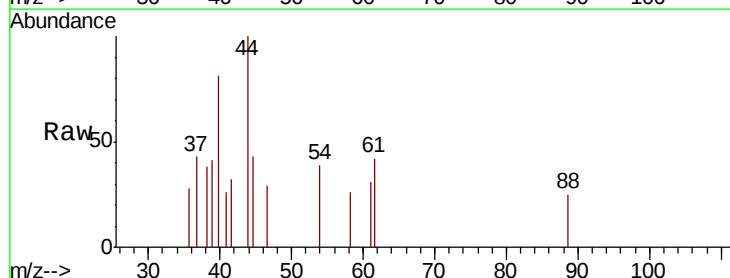


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

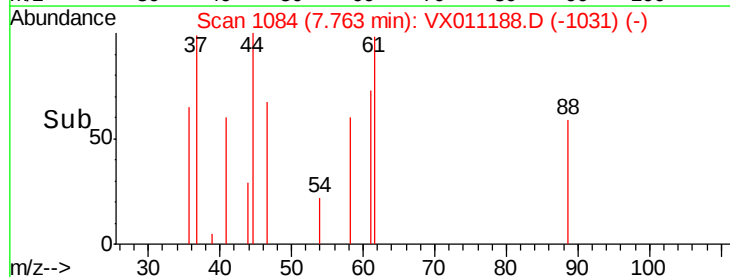
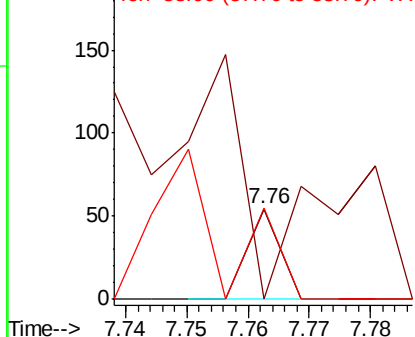


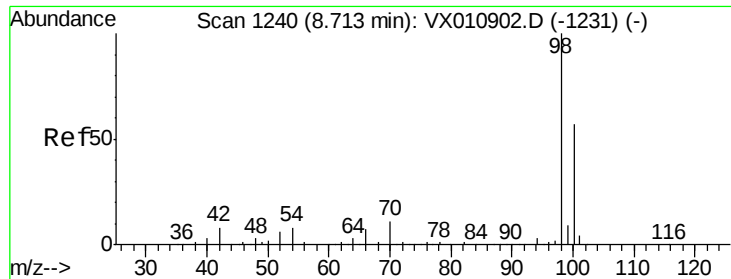
#49
1,4-Dioxane
Concen: 0.307 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.02 min
Lab File: VX011188.D
Acq: 30 Jul 2019 12:36

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 810.0 22.9 34.3#
58 360.0 49.8 74.8#



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: 48.768 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011188.D

Acq: 30 Jul 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

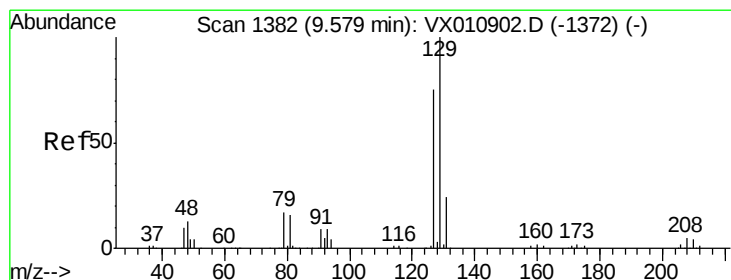
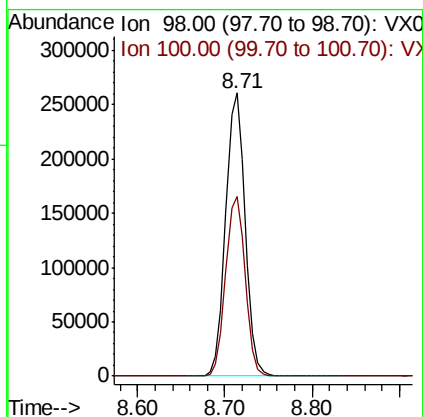
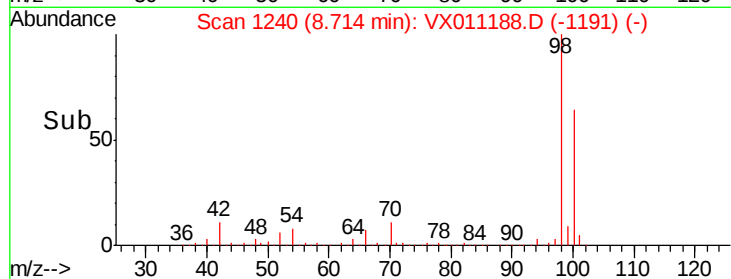
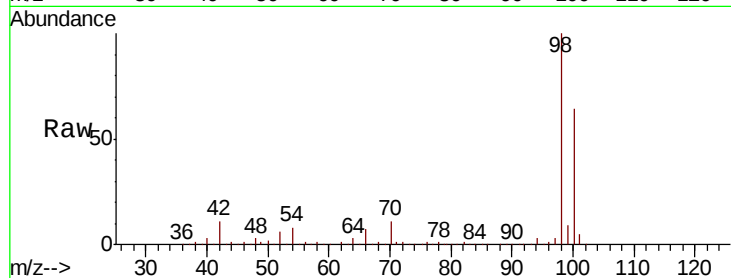
BP-VPB203-TB-20190724

Tgt Ion: 98 Resp: 401604

Ion Ratio Lower Upper

98 100

100 64.1 50.6 75.8



#60

Dibromochloromethane

Concen: 2.542 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.21 min

Lab File: VX011188.D

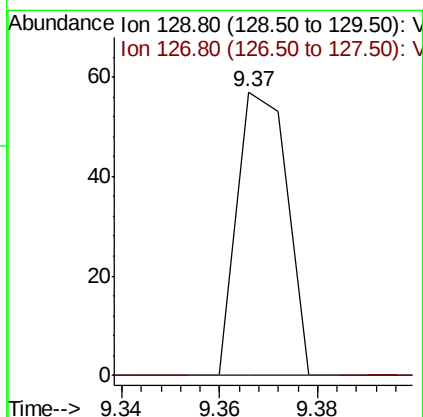
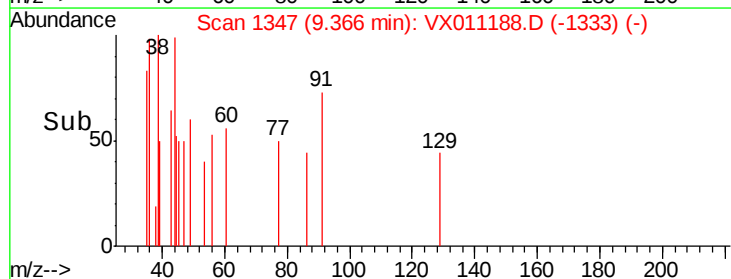
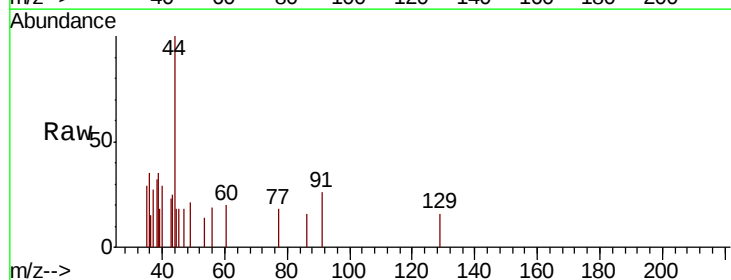
Acq: 30 Jul 2019 12:36

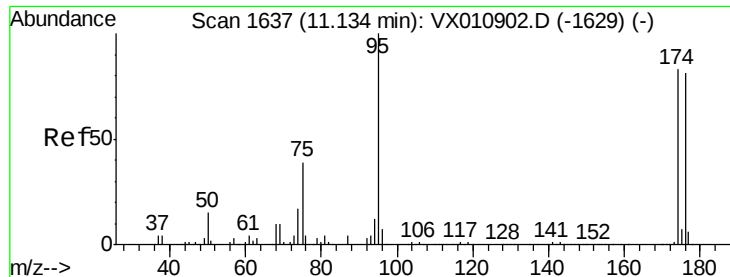
Tgt Ion: 129 Resp: 40

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: 43.881 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011188.D

Acq: 30 Jul 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-TB-20190724

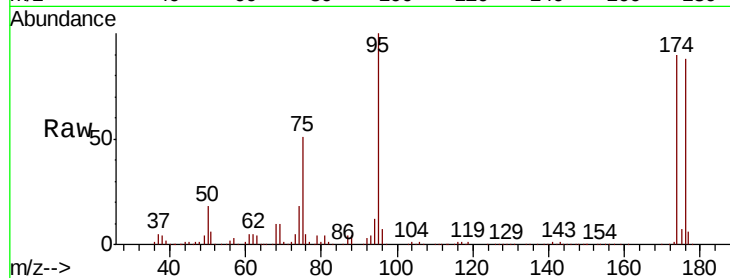
Tgt Ion: 95 Resp: 132823

Ion Ratio Lower Upper

95 100

174 90.9 0.0 180.6

176 89.0 0.0 173.8

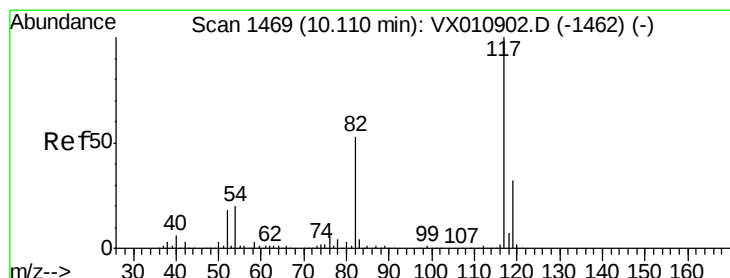
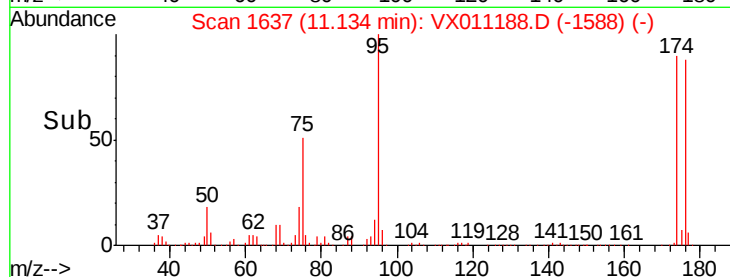
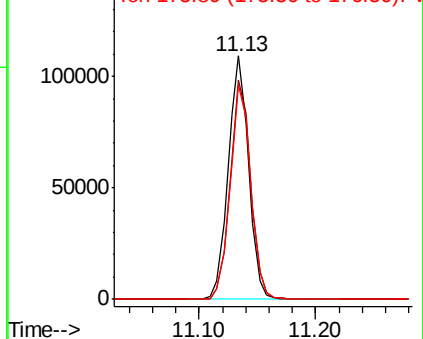


Abundance

Ion 94.90 (94.60 to 95.60): VX011188.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX011188.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX011188.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011188.D

Acq: 30 Jul 2019 12:36

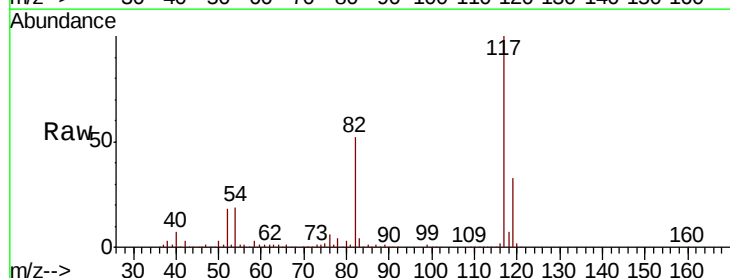
Tgt Ion: 117 Resp: 308016

Ion Ratio Lower Upper

117 100

82 52.1 42.6 63.8

119 32.8 25.9 38.9

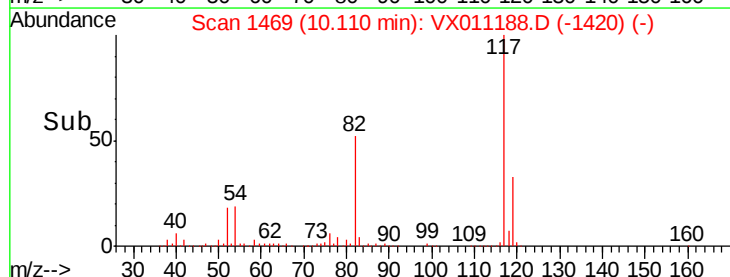
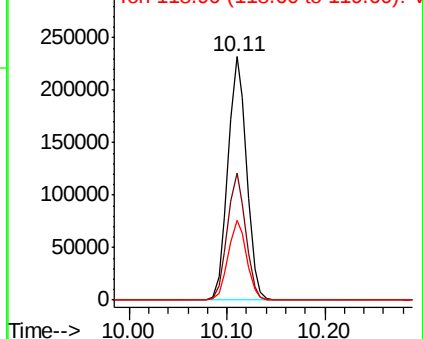


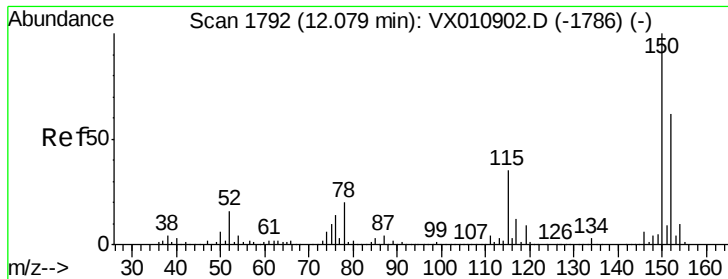
Abundance

Ion 116.90 (116.60 to 117.60): VX011188.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX011188.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX011188.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011188.D

Acq: 30 Jul 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-TB-20190724

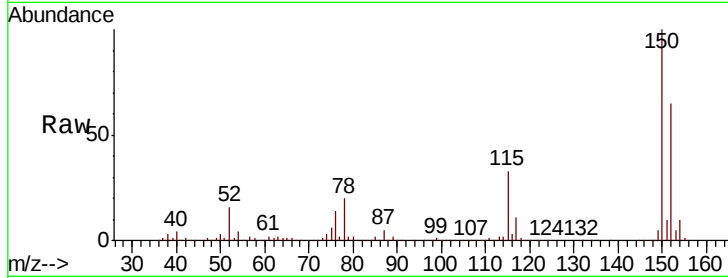
Tgt Ion:152 Resp: 141174

Ion Ratio Lower Upper

152 100

115 56.1 39.7 119.1

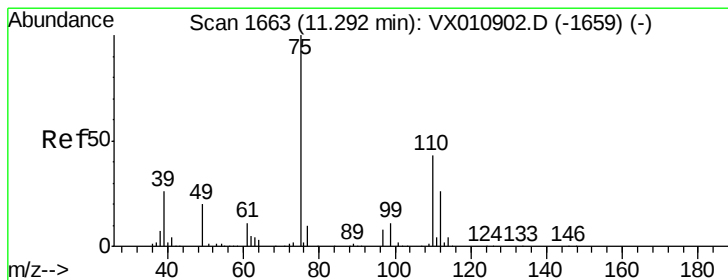
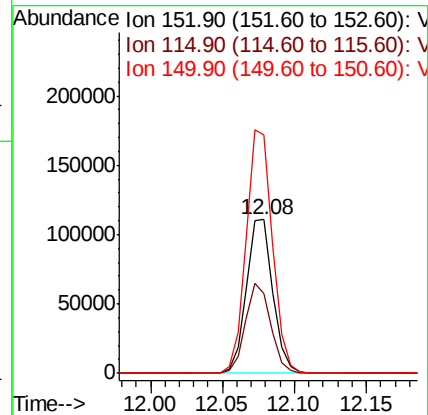
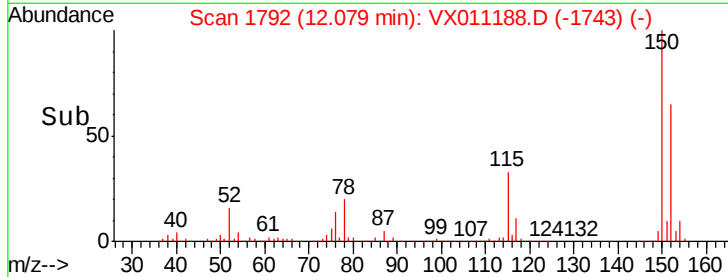
150 157.4 0.0 345.6



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: 26.431 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011188.D

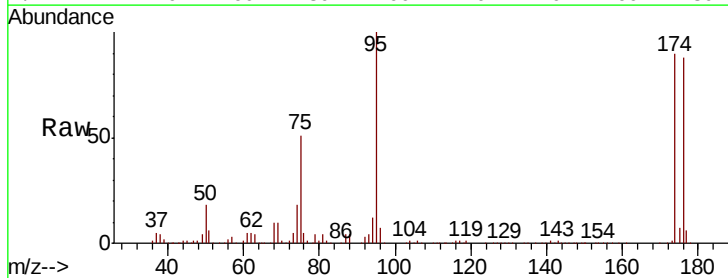
Acq: 30 Jul 2019 12:36

Tgt Ion: 75 Resp: 67335

Ion Ratio Lower Upper

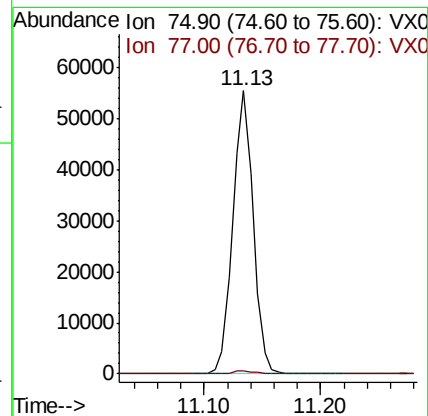
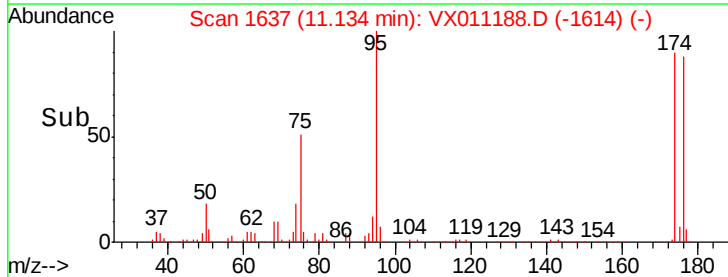
75 100

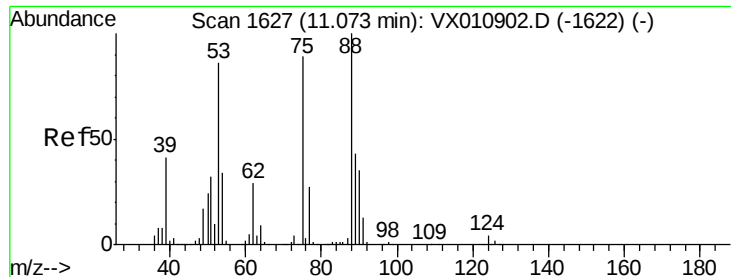
77 1.3 21.3 64.0#



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: 65.615 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011188.D

Acq: 30 Jul 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-TB-20190724

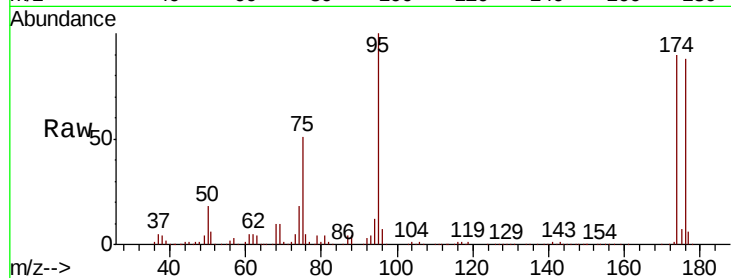
Tgt Ion: 75 Resp: 67335

Ion Ratio Lower Upper

75 100

53 0.3 76.7 115.1#

89 0.0 38.5 57.7#



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

