

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX073119\
 Data File : VX011247.D
 Acq On : 31 Jul 2019 16:53
 Operator : JC/SP
 Sample : K4043-15
 Misc : 5.0g/10mL/100uL/10mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-GW-418-420

Quant Time: Jul 31 17:17:18 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	243030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	349568	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	288057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	144944	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	119278	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	
35) Dibromofluoromethane	5.50	113	95723	43.14	ug/l	0.00
Spiked Amount			Recovery	=	86.28%	
50) Toluene-d8	8.71	98	393907	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
62) 4-Bromofluorobenzene	11.14	95	127436	41.66	ug/l	0.00
Spiked Amount			Recovery	=	83.32%	

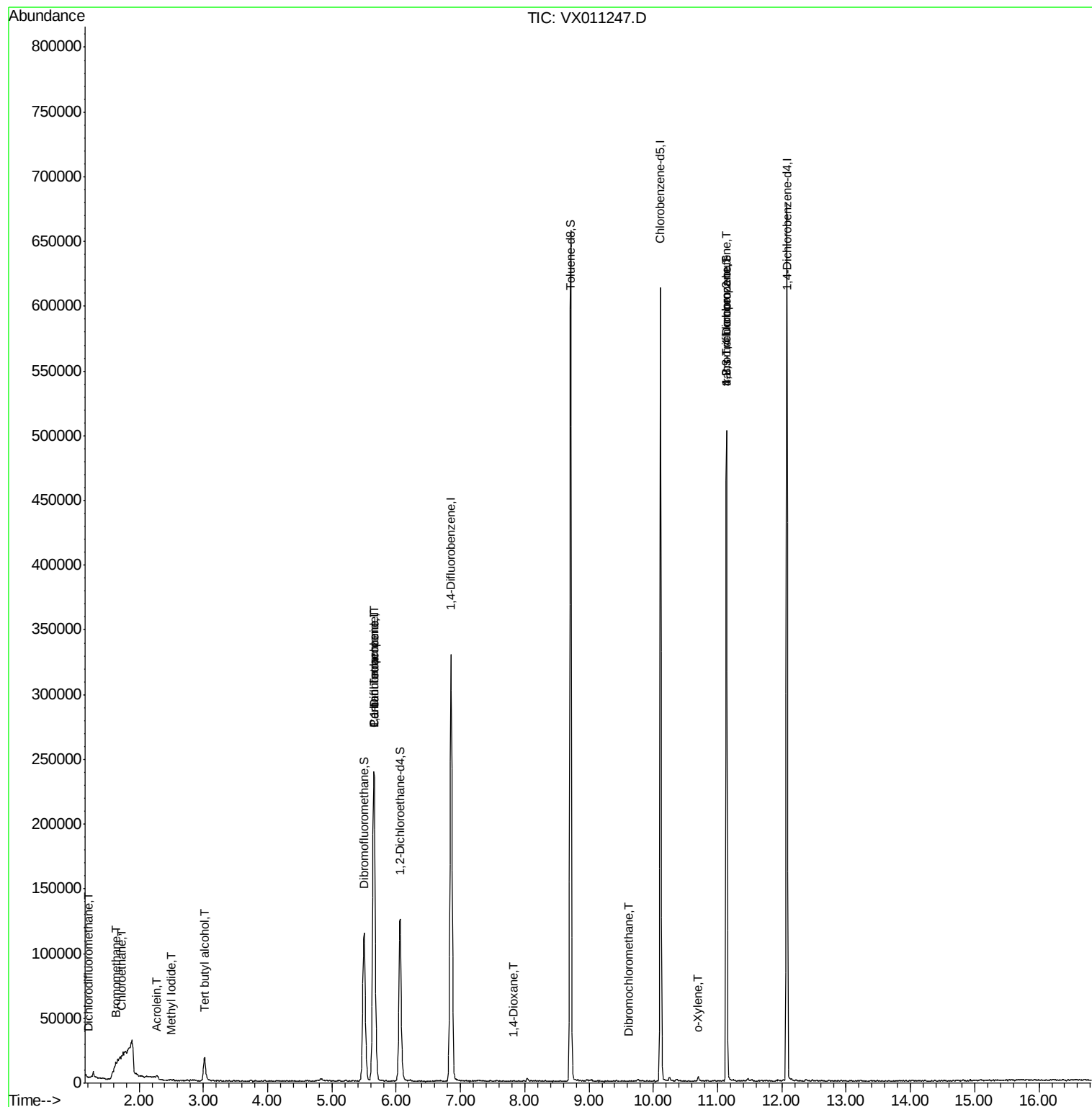
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	68	0.572	ug/l #	43
5) Bromomethane	1.64	94	964	0.750	ug/l	91
6) Chloroethane	1.73	64	508	0.351	ug/l #	83
10) Methyl Iodide	2.50	142	783	0.271	ug/l	97
11) Tert butyl alcohol	3.02	59	10940	18.169	ug/l #	73
13) Acrolein	2.28	56	142	0.408	ug/l #	15
36) 1,1-Dichloropropene	5.65	75	16152	5.625	ug/l #	50
38) Carbon Tetrachloride	5.65	117	22728	7.596	ug/l #	17
49) 1,4-Dioxane	7.83	88	24	0.364	ug/l #	1
60) Dibromochloromethane	9.62	129	20	2.535	ug/l #	11
69) o-Xylene	10.70	106	803	0.213	ug/l	95
76) 1,2,3-Trichloropropane	11.14	75	64645	24.715	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	64645	61.613	ug/l #	11

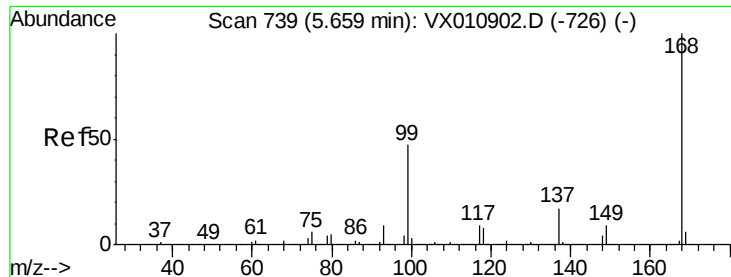
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX011247.D

Acq: 31 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

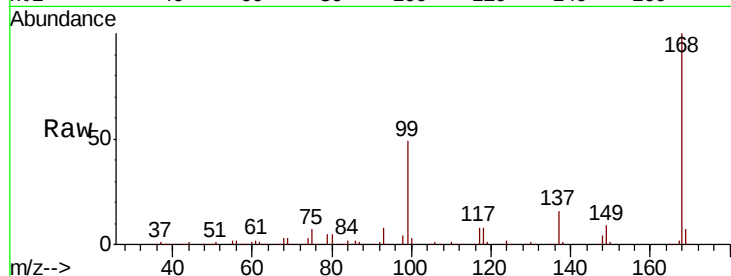
BP-VPB203-GW-418-420

Tgt Ion:168 Resp: 243030

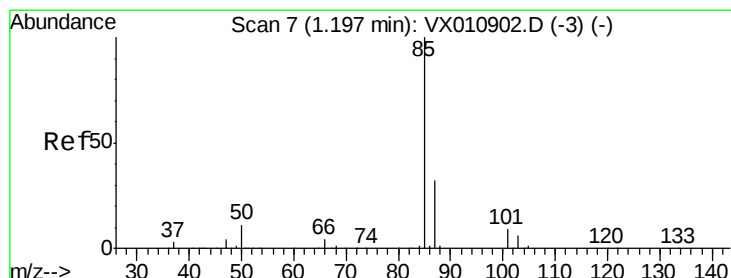
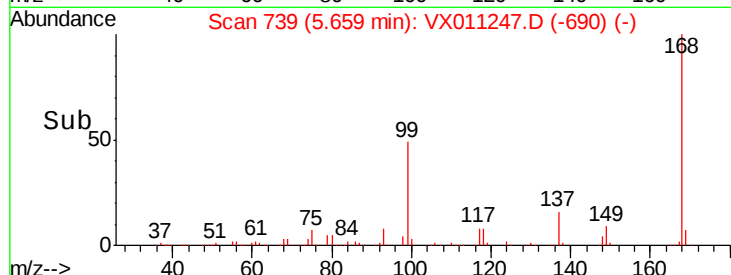
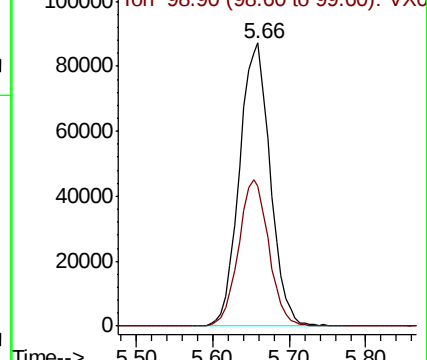
Ion Ratio Lower Upper

168 100

99 49.4 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): VX010902.D (-726) (-)



#2

Dichlorodifluoromethane

Concen: 0.572 ug/l

RT: 1.21 min Scan# 9

Delta R.T. 0.01 min

Lab File: VX011247.D

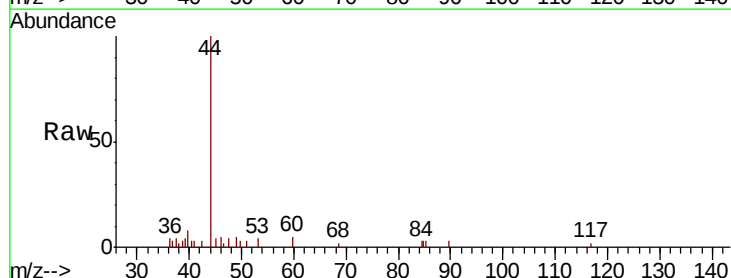
Acq: 31 Jul 2019 16:53

Tgt Ion: 85 Resp: 68

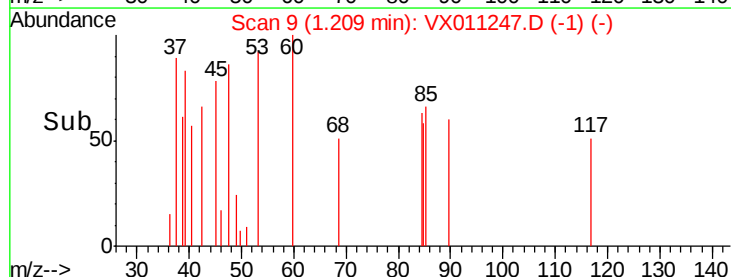
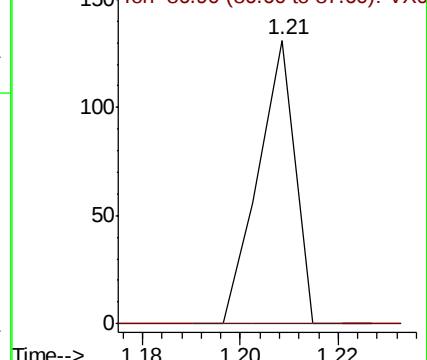
Ion Ratio Lower Upper

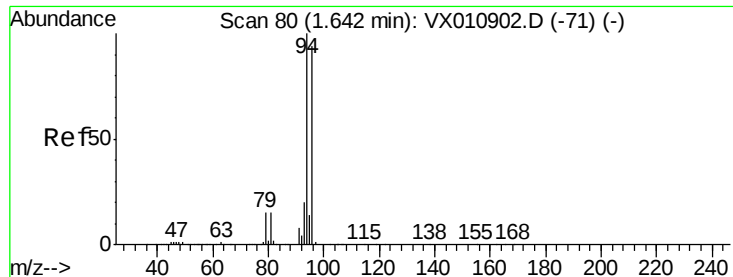
85 100

87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX010902.D (-3) (-)





#5

Bromomethane

Concen: 0.750 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX011247.D

Acq: 31 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

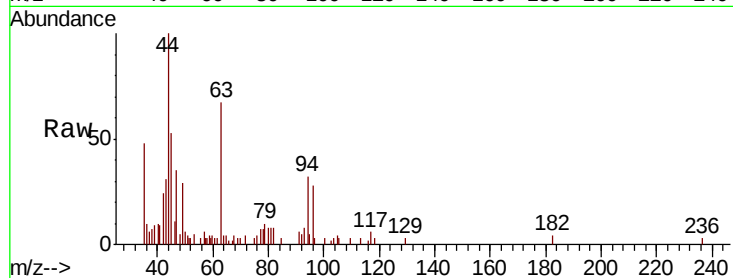
BP-VPB203-GW-418-420

Tgt Ion: 94 Resp: 964

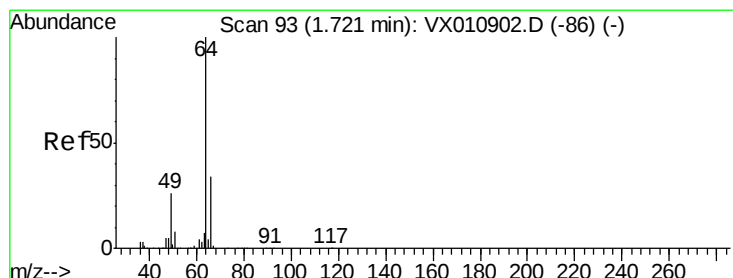
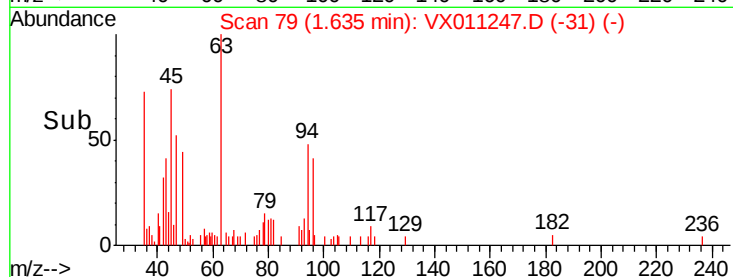
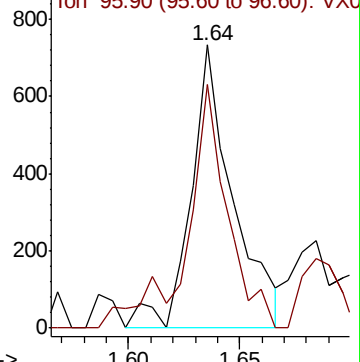
Ion Ratio Lower Upper

94 100

96 86.1 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: 0.351 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX011247.D

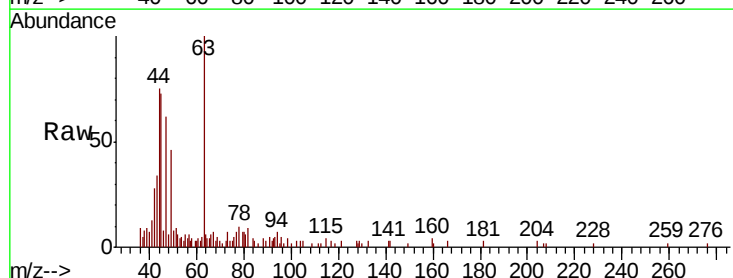
Acq: 31 Jul 2019 16:53

Tgt Ion: 64 Resp: 508

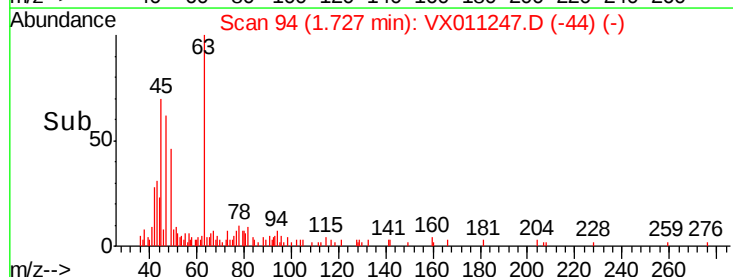
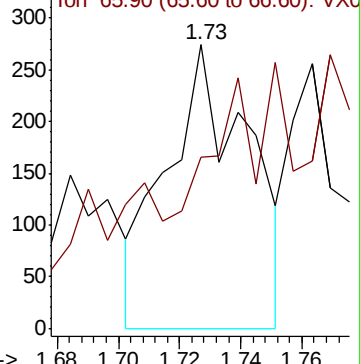
Ion Ratio Lower Upper

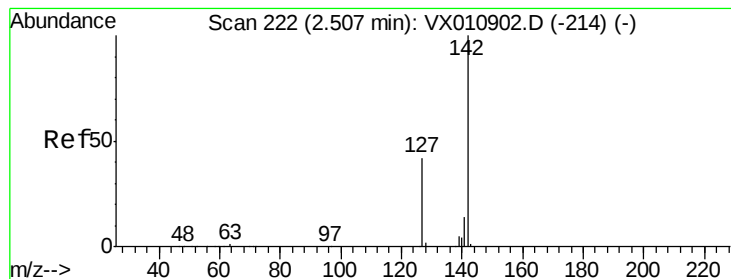
64 100

66 23.9 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0





#10

Methyl Iodide

Concen: 0.271 ug/l

RT: 2.50 min Scan# 221

Delta R.T. -0.01 min

Lab File: VX011247.D

Acq: 31 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-418-420

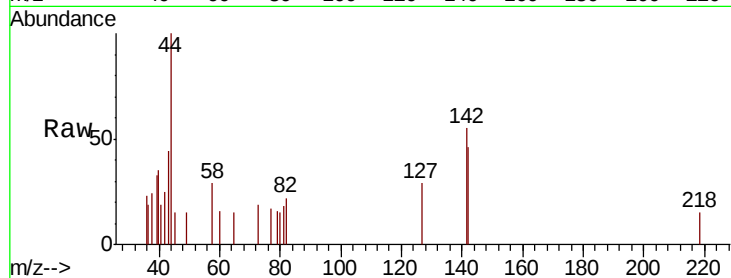
Tgt Ion:142 Resp: 783

Ion Ratio Lower Upper

142 100

127 41.1 34.2 51.4

141 12.1 11.7 17.5



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

500

400

300

200

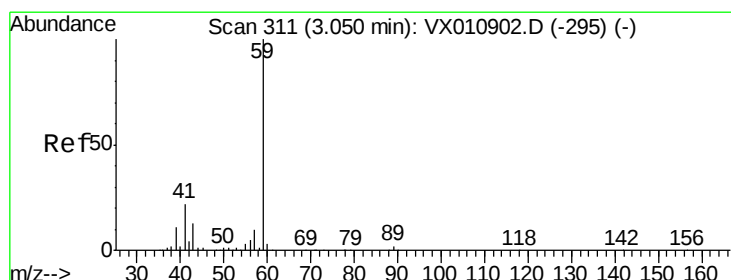
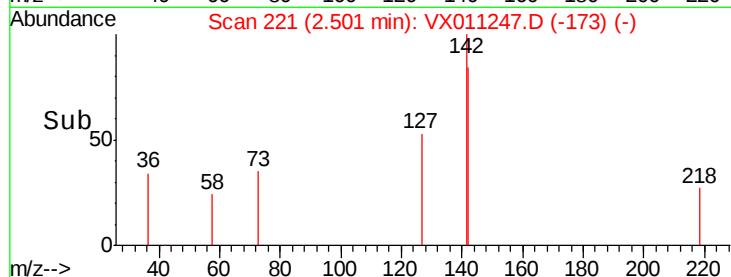
100

0

2.45 2.50 2.55

2.50

Time-->



#11

Tert butyl alcohol

Concen: 18.169 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX011247.D

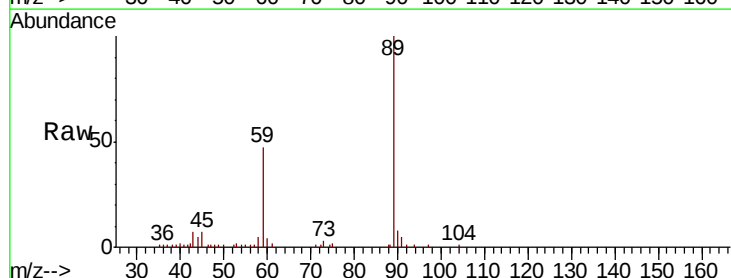
Acq: 31 Jul 2019 16:53

Tgt Ion: 59 Resp: 10940

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

5000

4000

3000

2000

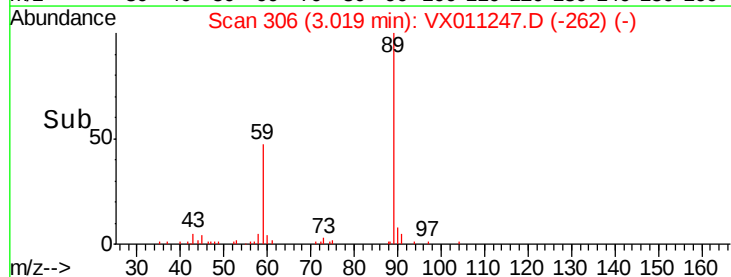
1000

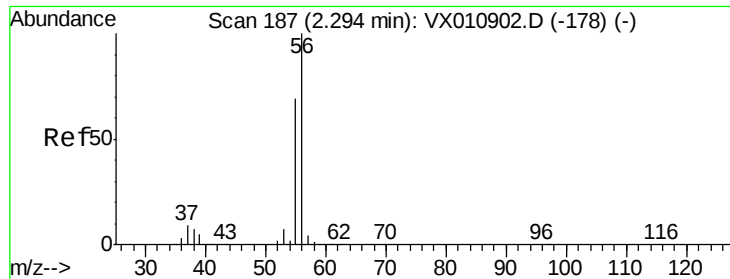
0

2.90 3.00 3.10

3.02

Time-->





#13

Acrolein

Concen: 0.408 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX011247.D

Acq: 31 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

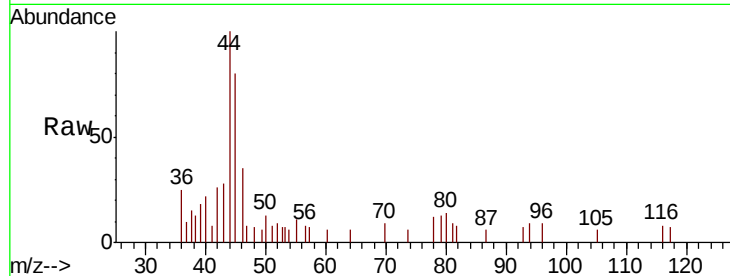
BP-VPB203-GW-418-420

Tgt Ion: 56 Resp: 142

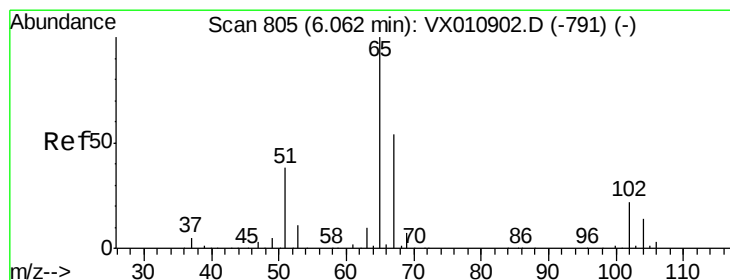
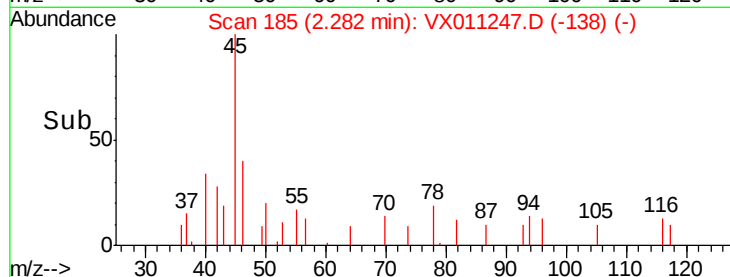
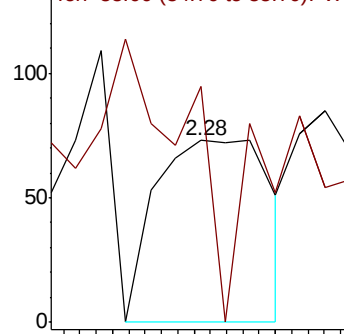
Ion Ratio Lower Upper

56 100

55 0.0 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.134 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011247.D

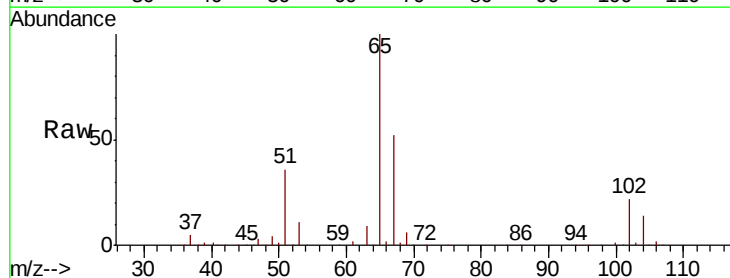
Acq: 31 Jul 2019 16:53

Tgt Ion: 65 Resp: 119278

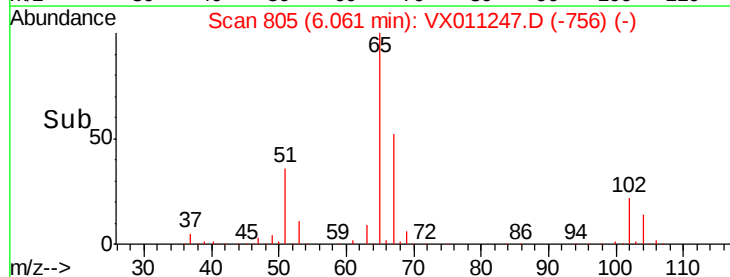
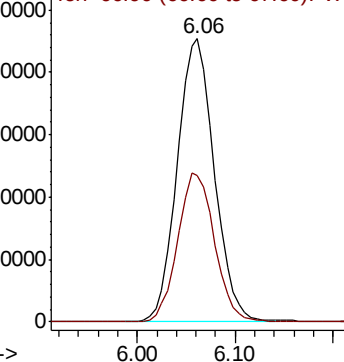
Ion Ratio Lower Upper

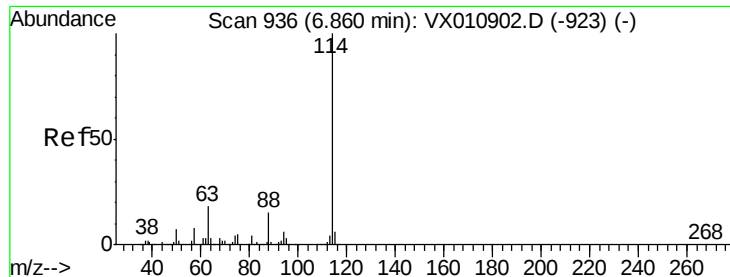
65 100

67 52.5 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX011247.D

Acq: 31 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-418-420

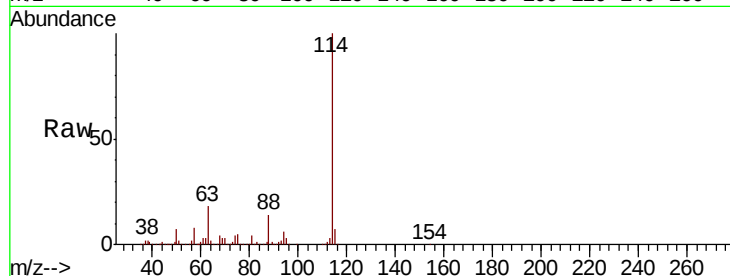
Tgt Ion:114 Resp: 349568

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.6

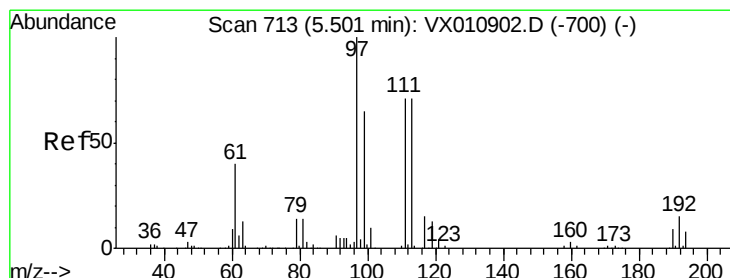
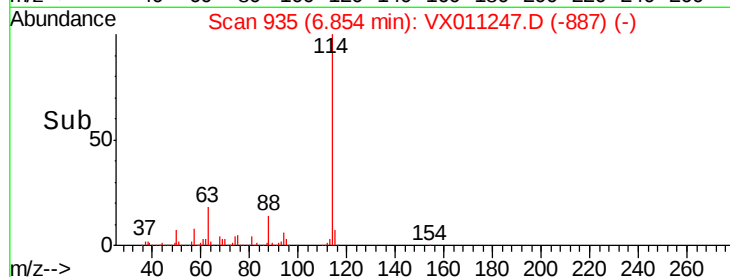
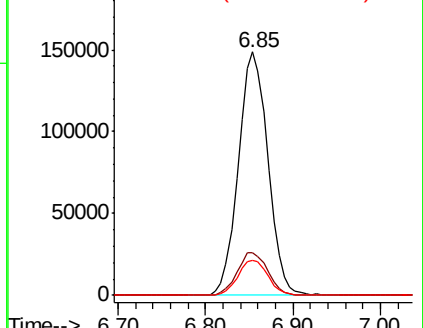
88 14.4 0.0 29.8



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



#35

Dibromofluoromethane

Concen: 43.142 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011247.D

Acq: 31 Jul 2019 16:53

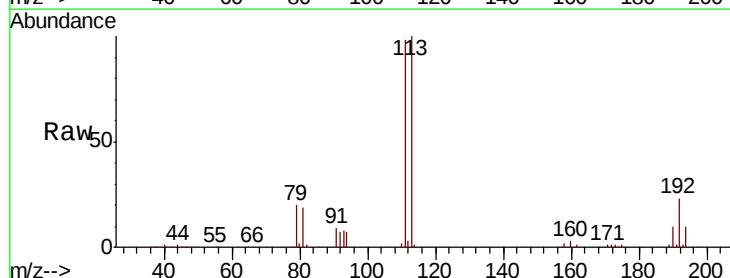
Tgt Ion:113 Resp: 95723

Ion Ratio Lower Upper

113 100

111 102.4 82.3 123.5

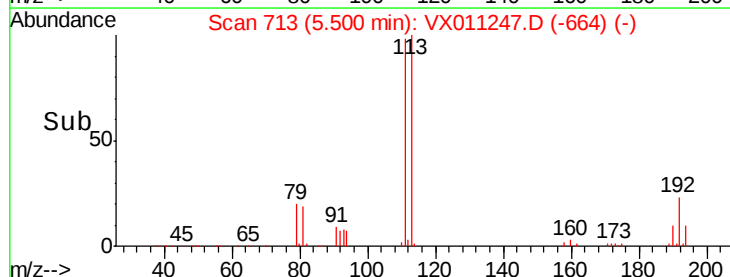
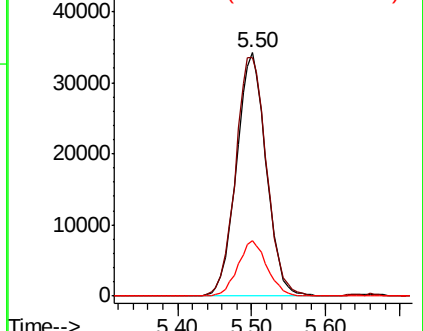
192 22.3 17.4 26.2

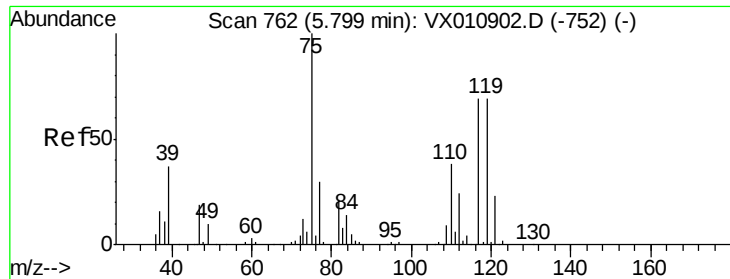


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

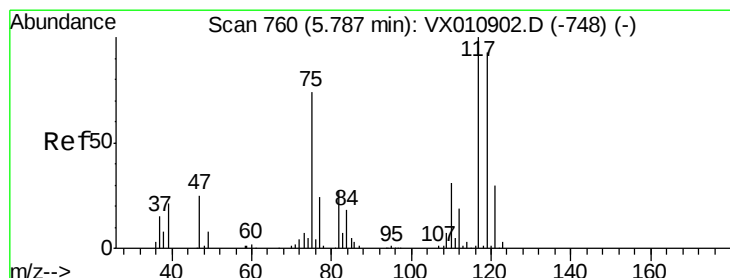
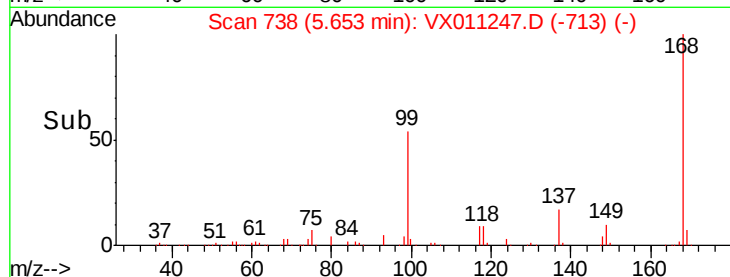
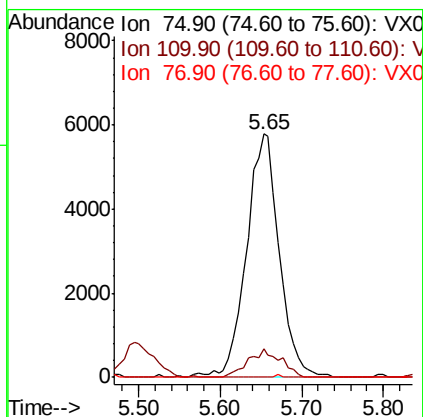
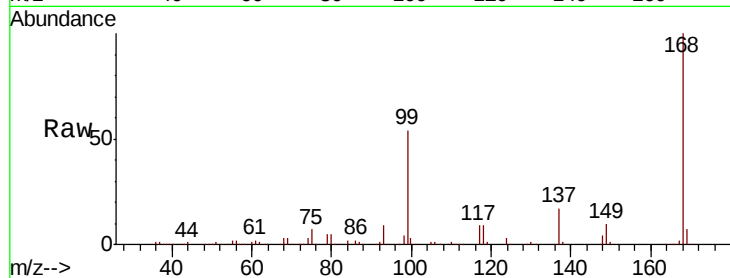




#36
 1,1-Dichloropropene
 Concen: 5.625 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX011247.D
 Acq: 31 Jul 2019 16:53

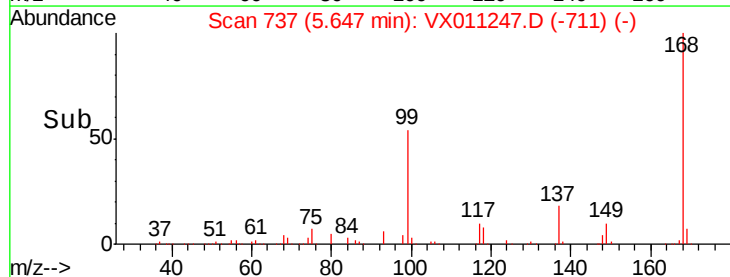
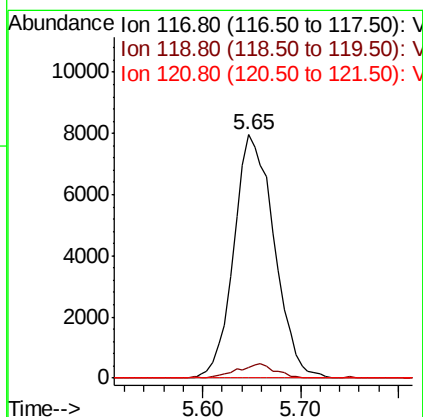
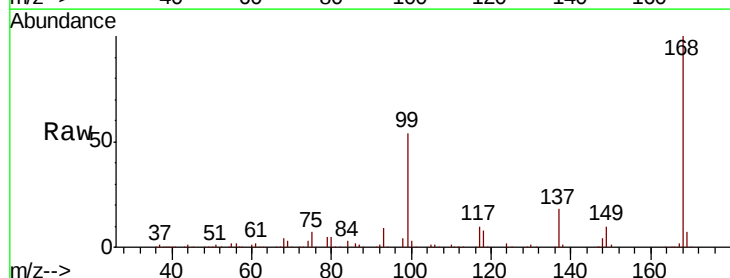
Instrument :
 MSVOA_X
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 BP-VPB203-GW-418-420

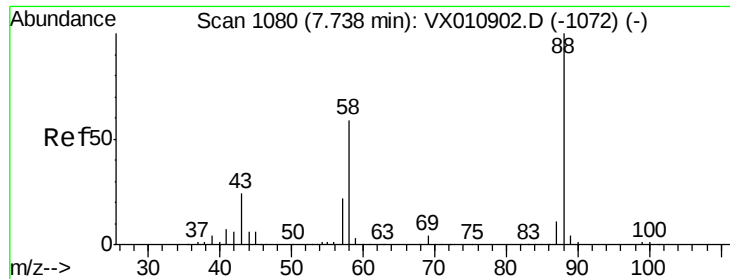
Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.6	19.9	59.7#
77	0.1	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.596 ug/l
 RT: 5.65 min Scan# 737
 Delta R.T. -0.14 min
 Lab File: VX011247.D
 Acq: 31 Jul 2019 16:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	74.2	111.2#
121	0.0	24.2	36.2#

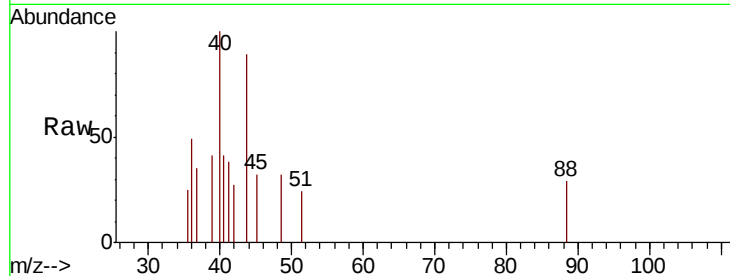




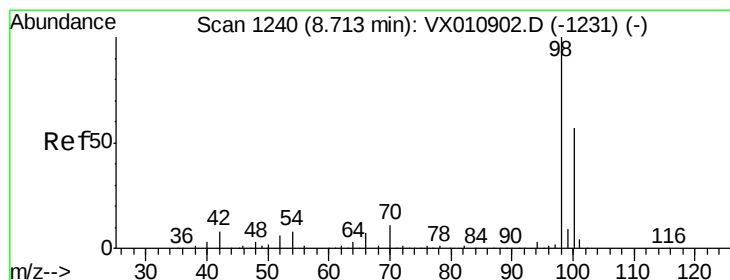
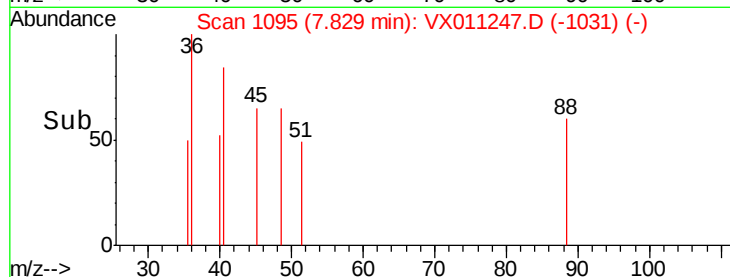
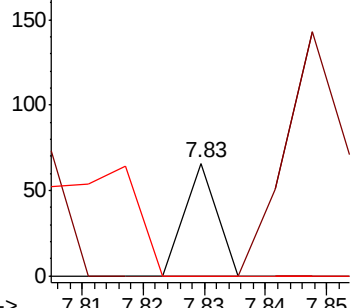
#49
 1,4-Dioxane
 Concen: 0.364 ug/l
 RT: 7.83 min Scan# 1095
 Delta R.T. 0.09 min
 Lab File: VX011247.D
 Acq: 31 Jul 2019 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-GW-418-420

Tgt Ion: 88 Resp: 24
 Ion Ratio Lower Upper
 88 100
 43 0.0 22.9 34.3#
 58 258.3 49.8 74.8#

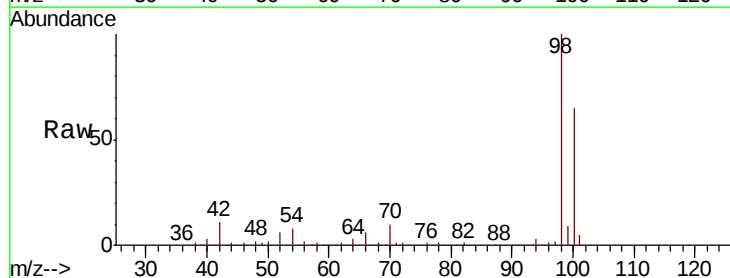


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

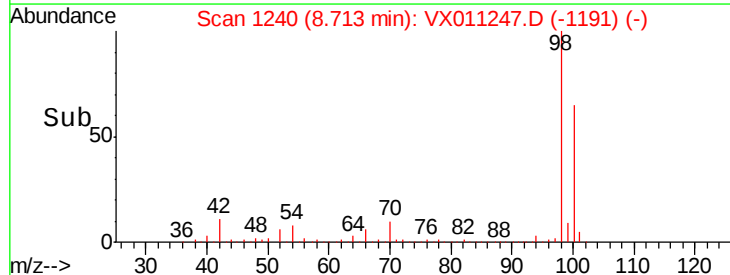
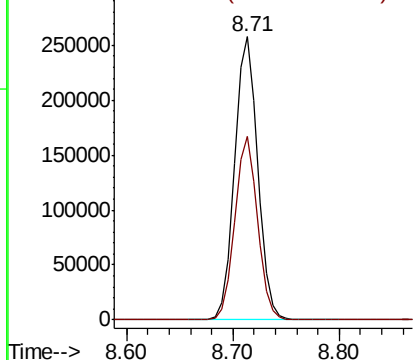


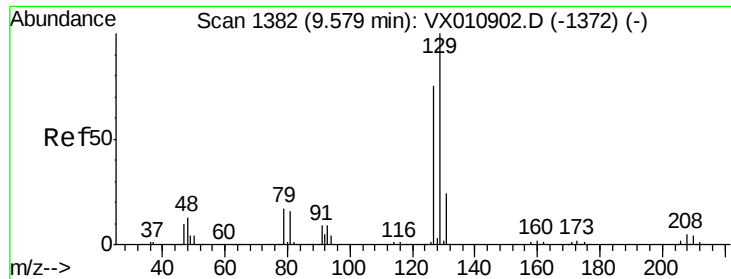
#50
 Toluene-d8
 Concen: 47.334 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX011247.D
 Acq: 31 Jul 2019 16:53

Tgt Ion: 98 Resp: 393907
 Ion Ratio Lower Upper
 98 100
 100 63.8 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 2.535 ug/l

RT: 9.62 min Scan# 1389

Delta R.T. 0.04 min

Lab File: VX011247.D

Acq: 31 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

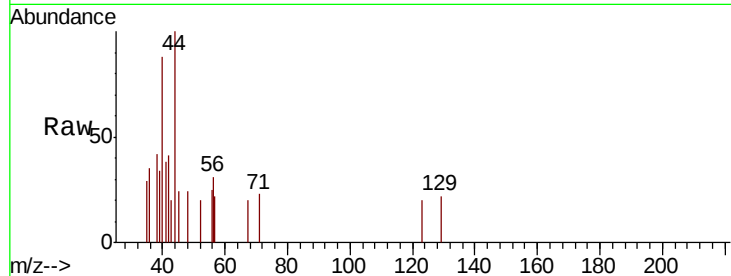
BP-VPB203-GW-418-420

Tgt Ion:129 Resp: 20

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.62

60

50

40

30

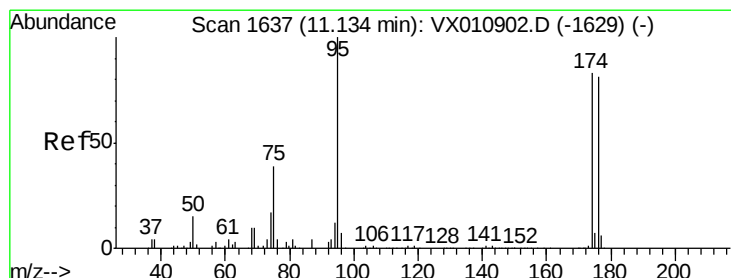
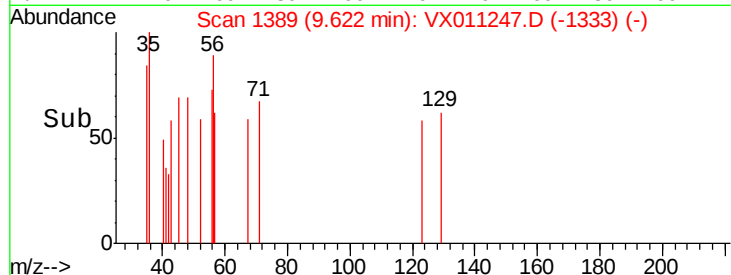
20

10

0

9.60 9.61 9.62 9.63 9.64

Time-->



#62

4-Bromofluorobenzene

Concen: 41.661 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX011247.D

Acq: 31 Jul 2019 16:53

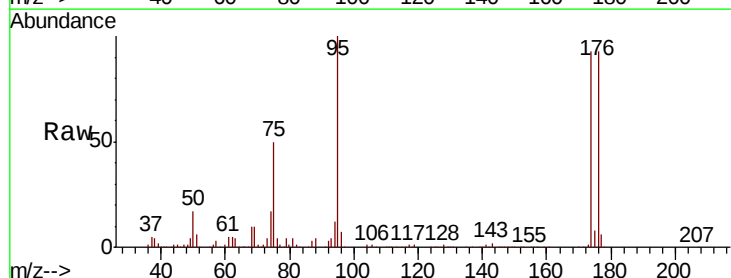
Tgt Ion: 95 Resp: 127436

Ion Ratio Lower Upper

95 100

174 90.8 0.0 180.6

176 88.7 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

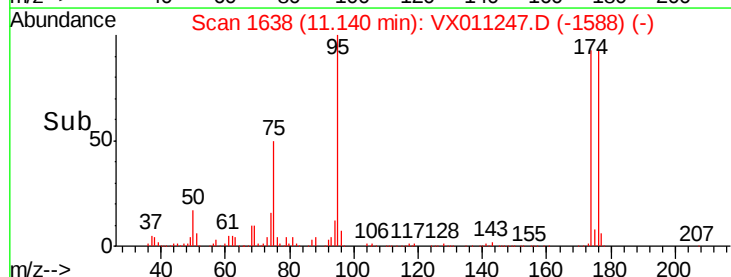
40000

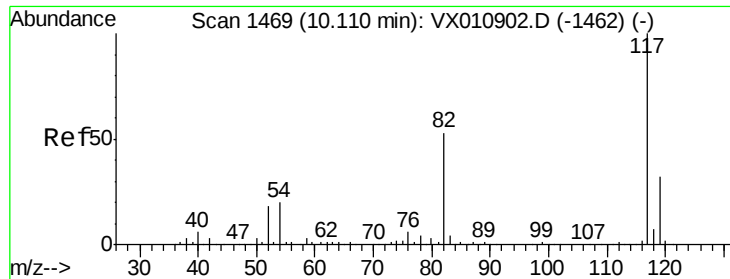
20000

0

11.10 11.14 11.20

Time-->

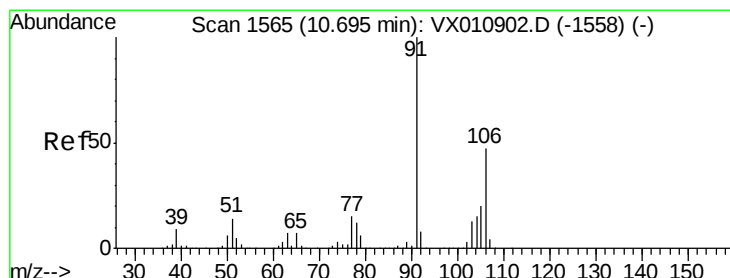
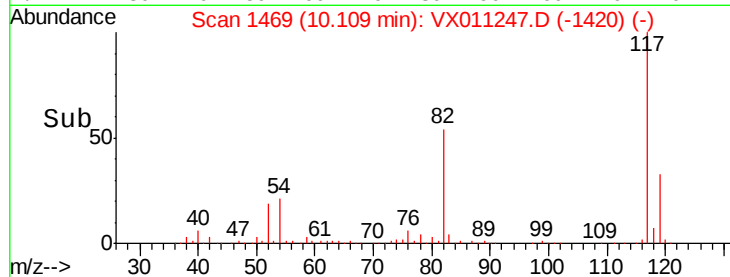
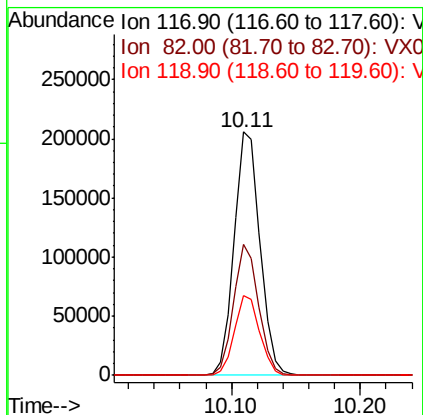
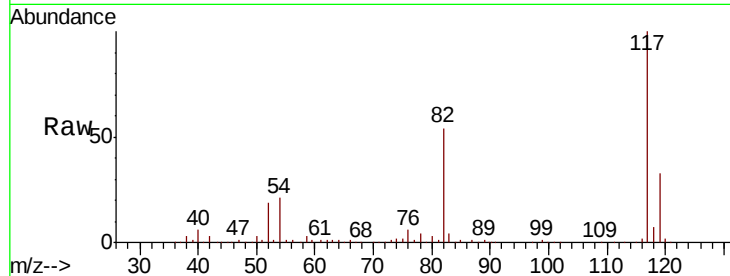




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011247.D
Acq: 31 Jul 2019 16:53

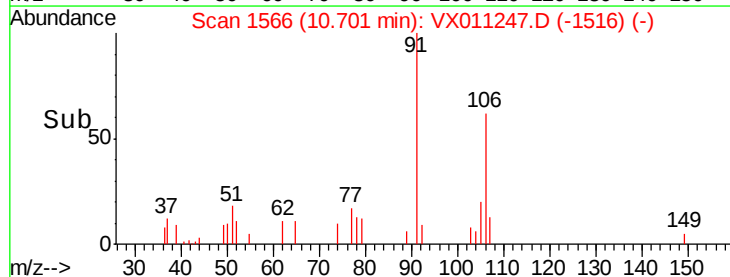
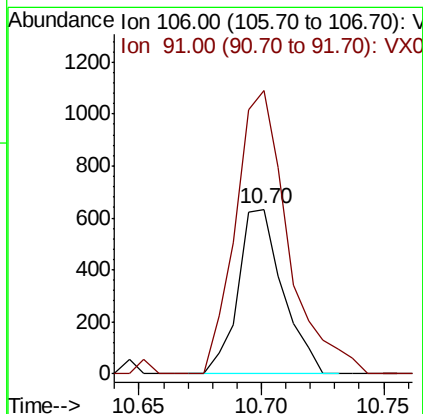
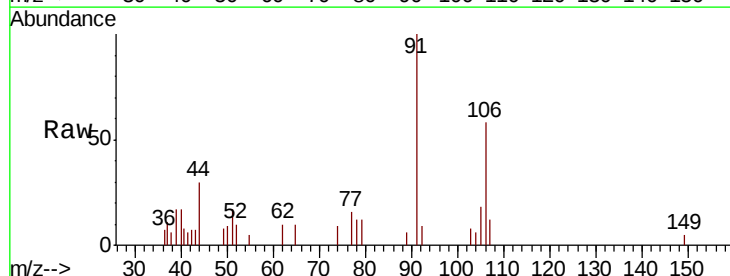
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-418-420

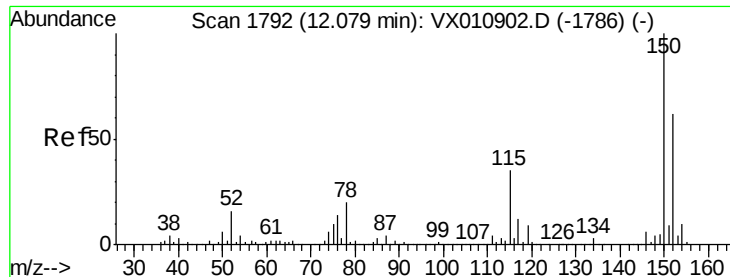
Tgt Ion:117 Resp: 288057
Ion Ratio Lower Upper
117 100
82 53.7 42.6 63.8
119 32.7 25.9 38.9



#69
o-Xylene
Concen: 0.213 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX011247.D
Acq: 31 Jul 2019 16:53

Tgt Ion:106 Resp: 803
Ion Ratio Lower Upper
106 100
91 203.1 105.1 315.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011247.D

Acq: 31 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-418-420

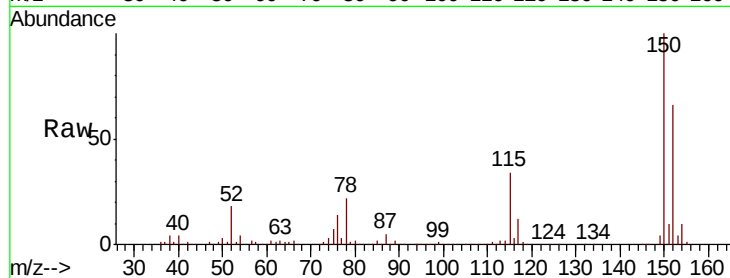
Tgt Ion:152 Resp: 144944

Ion Ratio Lower Upper

152 100

115 55.4 39.7 119.1

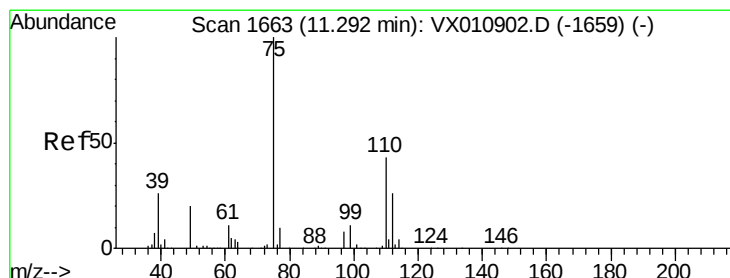
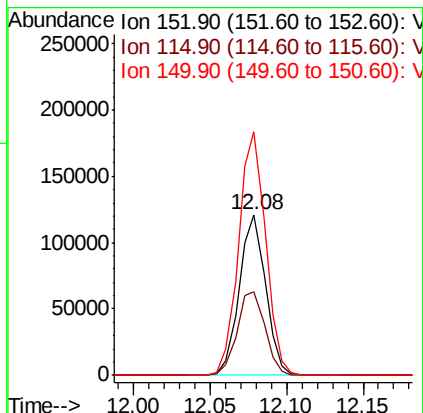
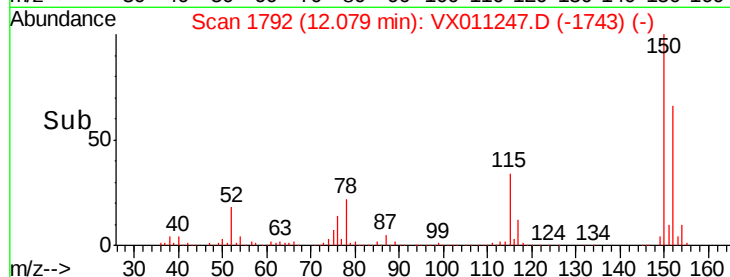
150 155.2 0.0 345.6



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: 24.715 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.15 min

Lab File: VX011247.D

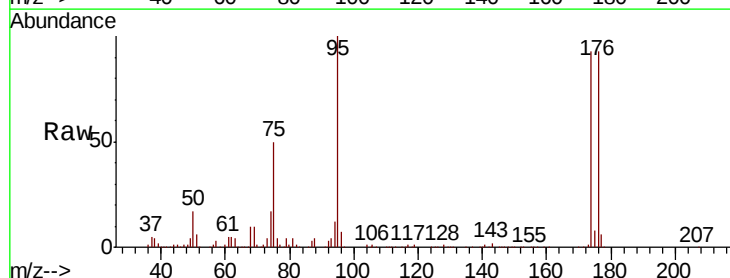
Acq: 31 Jul 2019 16:53

Tgt Ion: 75 Resp: 64645

Ion Ratio Lower Upper

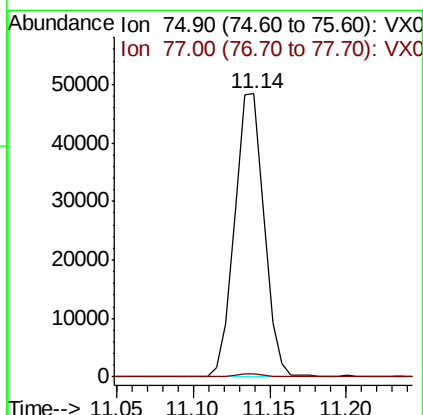
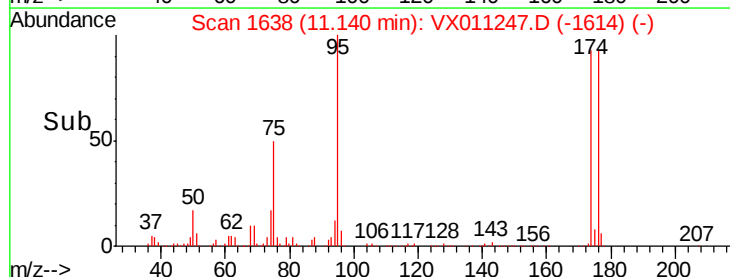
75 100

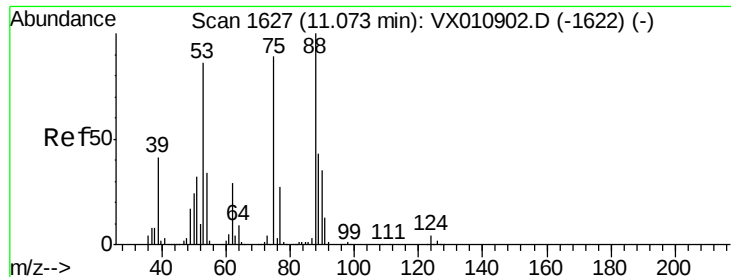
77 1.4 21.3 64.0#



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: 61.613 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX011247.D

Acq: 31 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-418-420

Tgt Ion: 75 Resp: 64645

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

89 0.1 38.5 57.7#

