

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072519\
 Data File : VX011074.D
 Acq On : 25 Jul 2019 13:42
 Operator : JC/SP
 Sample : K3973-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-GW-218-220

Quant Time: Jul 26 01:25:43 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	5.67	168	203411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	324674	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	300565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	140754	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	112674	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	
35) Dibromofluoromethane	5.50	113	102141	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
50) Toluene-d8	8.71	98	389298	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
62) 4-Bromofluorobenzene	11.13	95	137629	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	

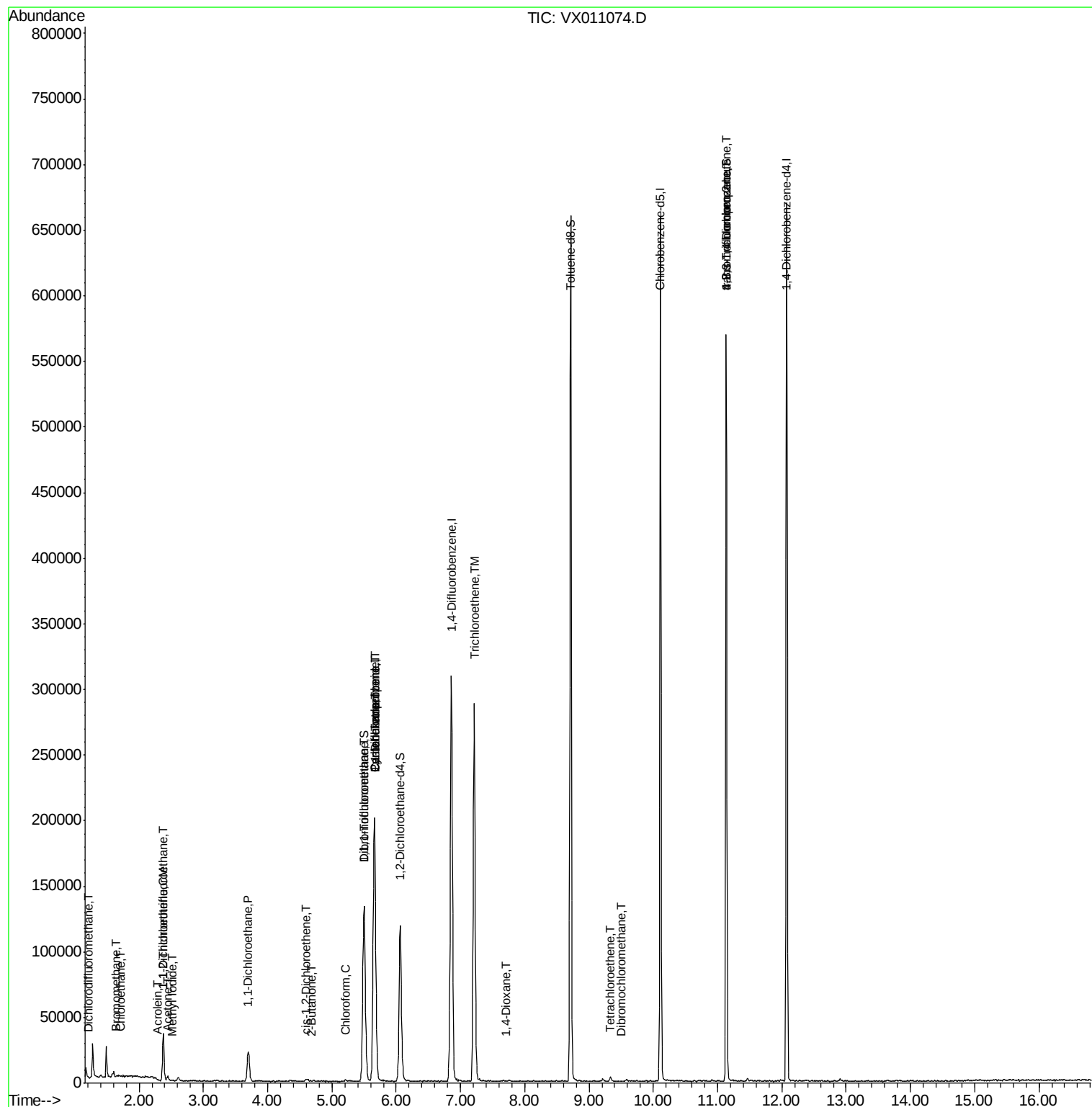
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	143	0.612	ug/l #	43
5) Bromomethane	1.65	94	614	0.571	ug/l	81
6) Chloroethane	1.72	64	518	0.427	ug/l #	59
9) 1,1,2-Trichlorotrifluoroet	2.39	101	410	0.222	ug/l	90
10) Methyl Iodide	2.52	142	493	0.204	ug/l #	77
12) 1,1-Dichloroethene	2.38	96	13137	7.251	ug/l	94
13) Acrolein	2.29	56	239	0.821	ug/l #	55
16) Acetone	2.45	43	3520	3.602	ug/l	95
24) 1,1-Dichloroethane	3.70	63	25634	7.952	ug/l	97
25) 2-Butanone	4.68	43	427	0.304	ug/l #	1
27) cis-1,2-Dichloroethene	4.59	96	1079	0.485	ug/l	81
30) Chloroform	5.21	83	895	0.257	ug/l	98
31) Cyclohexane	5.66	56	3915	1.332	ug/l #	1
32) 1,1,1-Trichloroethane	5.50	97	8946	2.968	ug/l	96
36) 1,1-Dichloropropene	5.66	75	13347	5.005	ug/l #	49
38) Carbon Tetrachloride	5.66	117	19370	6.970	ug/l #	16
44) Trichloroethene	7.21	130	112106	46.360	ug/l	94
49) 1,4-Dioxane	7.71	88	19	0.311	ug/l #	1
60) Dibromochloromethane	9.51	129	22	2.536	ug/l #	11
64) Tetrachloroethene	9.34	164	576	0.244	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	69249	27.264	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	69249	67.556	ug/l #	11

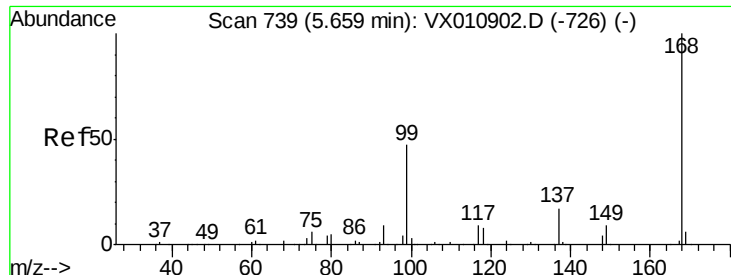
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072519\
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BP-VPB203-GW-218-220

Quant Time: Jul 26 01:25:43 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011074.D

Acq: 25 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

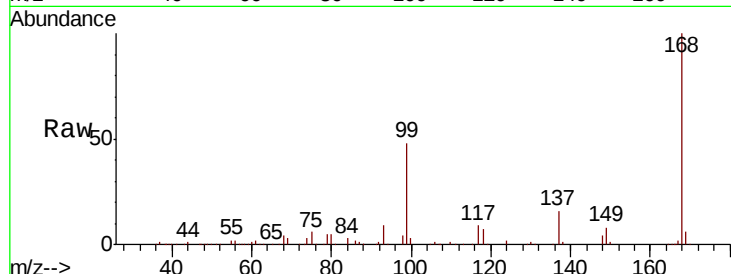
BP-VPB203-GW-218-220

Tot Ion:168 Resp: 203411

Ion Ratio Lower Upper

168 100

99 48.2 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

80000

60000

40000

20000

0

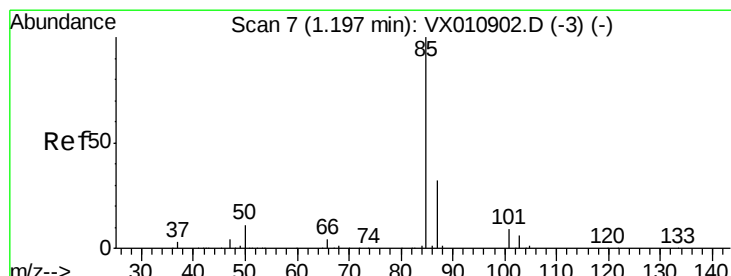
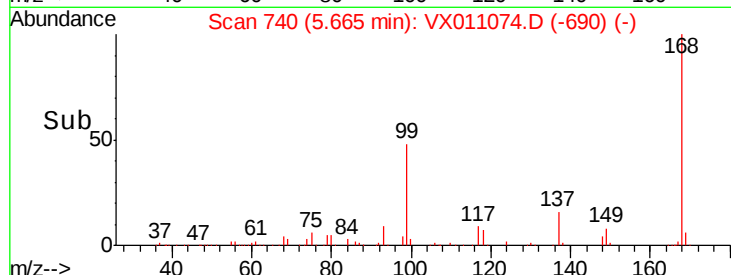
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.612 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX011074.D

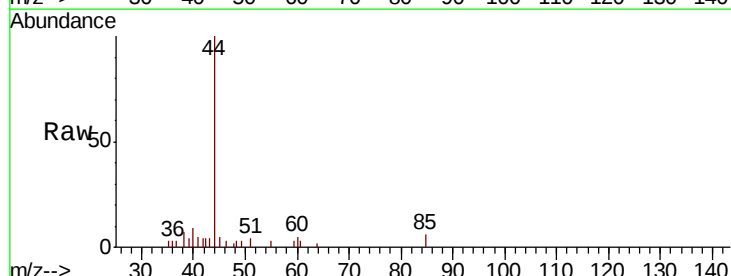
Acq: 25 Jul 2019 13:42

Tgt Ion: 85 Resp: 143

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

1.20

150

100

50

0

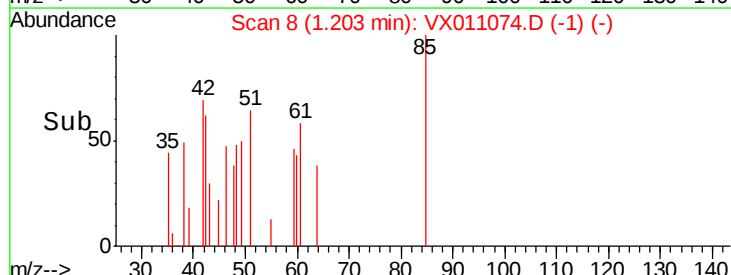
1.16

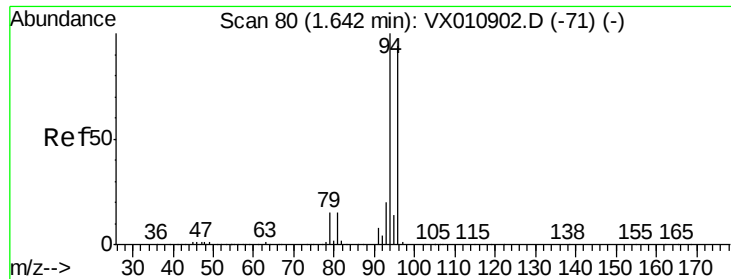
1.18

1.20

1.22

Time-->





#5

Bromomethane

Concen: 0.571 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX011074.D

Acq: 25 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

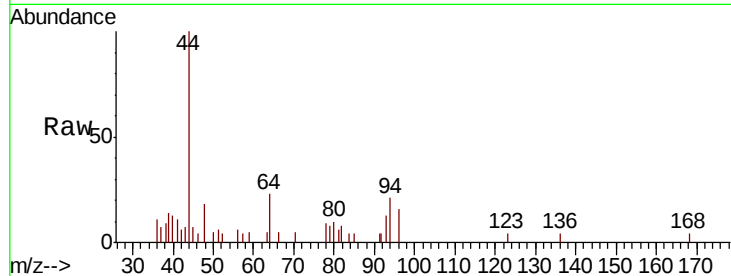
BP-VPB203-GW-218-220

Tot Ion: 94 Resp: 614

Ion Ratio Lower Upper

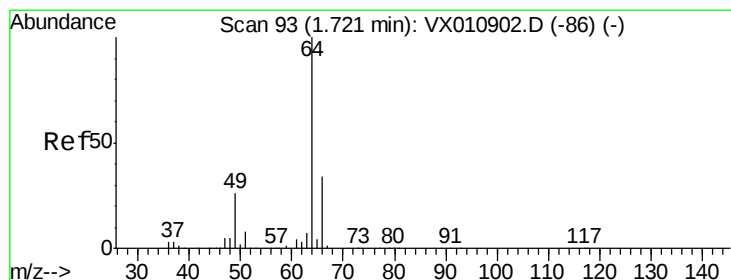
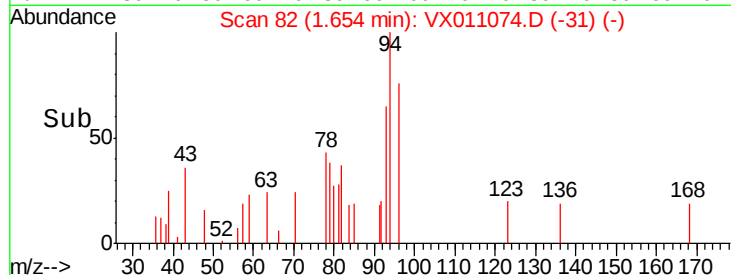
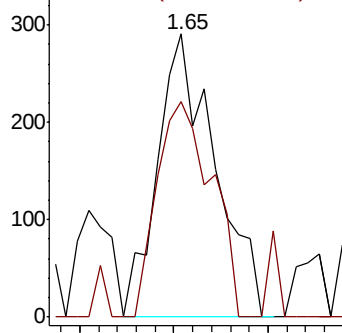
94 100

96 76.3 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.427 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX011074.D

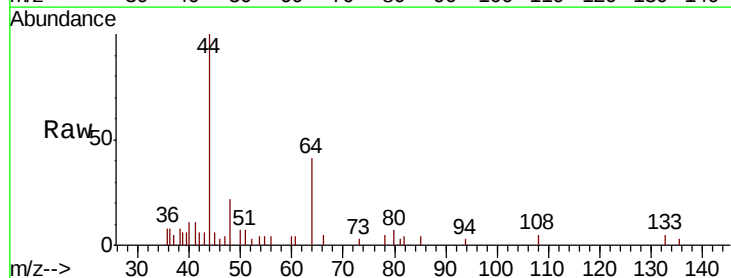
Acq: 25 Jul 2019 13:42

Tgt Ion: 64 Resp: 518

Ion Ratio Lower Upper

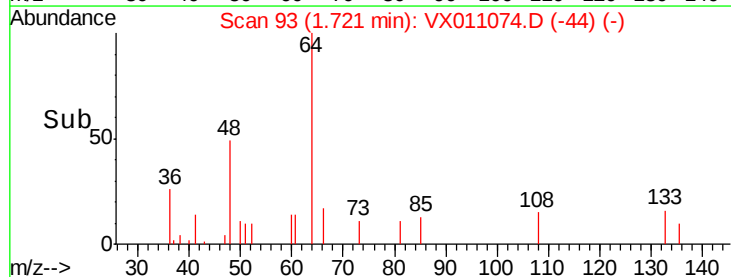
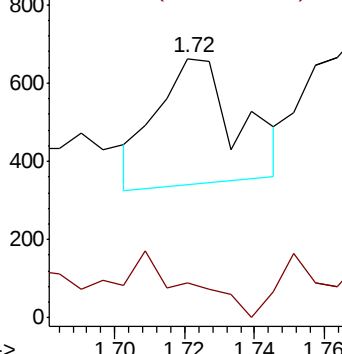
64 100

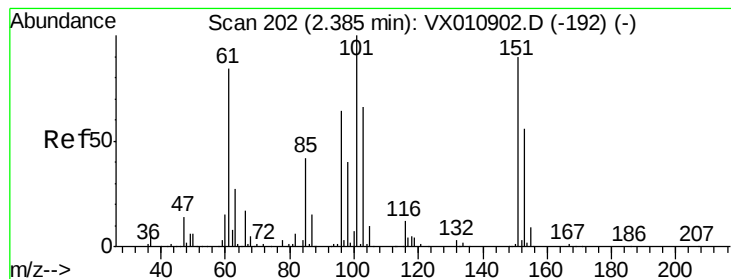
66 10.5 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.222 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX011074.D

Acq: 25 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-218-220

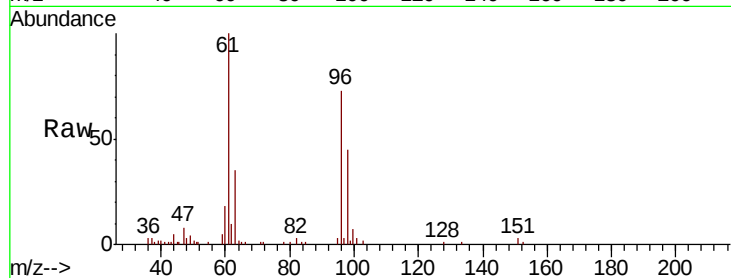
Tot Ion:101 Resp: 410

Ion Ratio Lower Upper

101 100

85 36.1 34.6 52.0

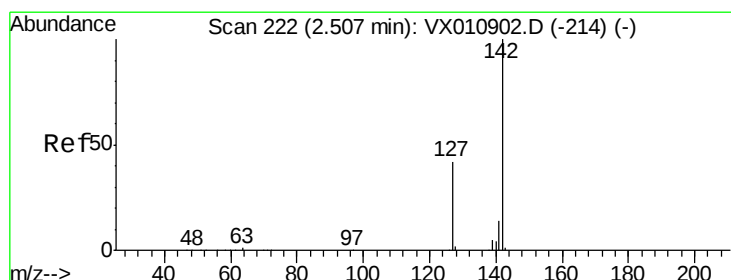
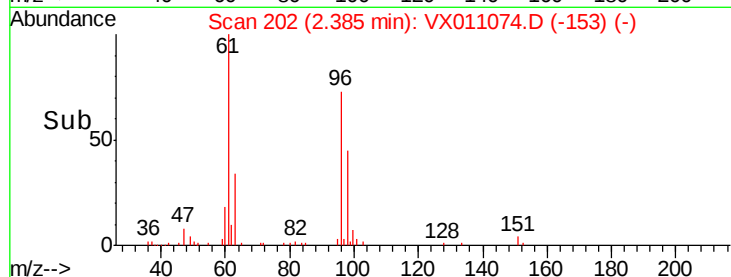
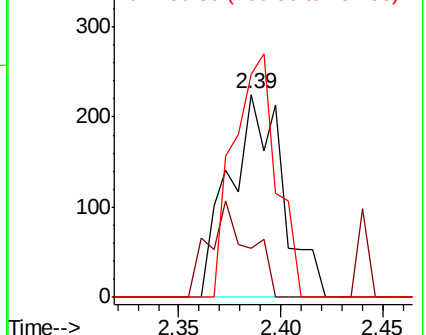
151 96.3 69.6 104.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.204 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX011074.D

Acq: 25 Jul 2019 13:42

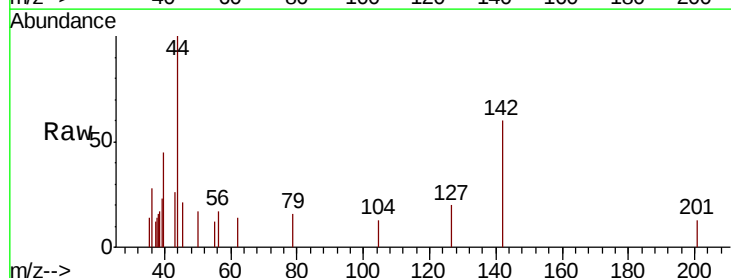
Tgt Ion:142 Resp: 493

Ion Ratio Lower Upper

142 100

127 54.6 34.2 51.4#

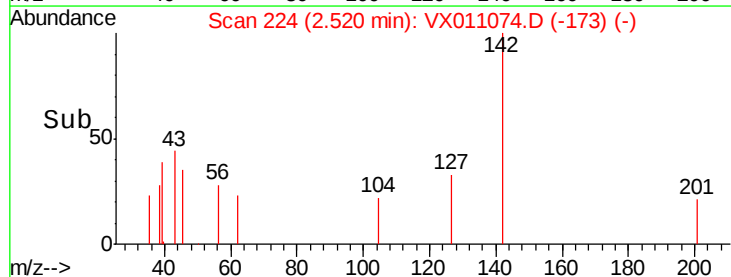
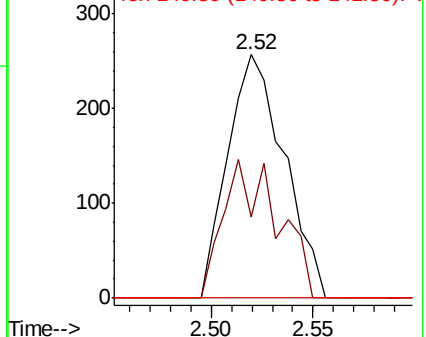
141 0.0 11.7 17.5#

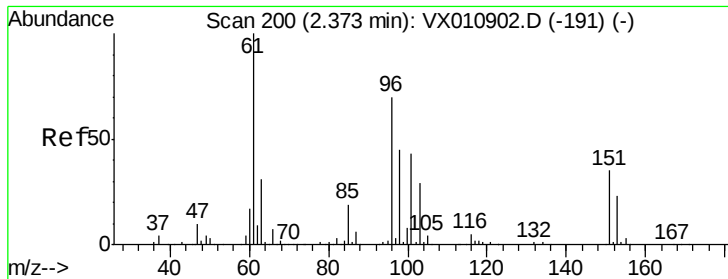


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#12

1,1-Dichloroethene

Concen: 7.251 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX011074.D

Acq: 25 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-218-220

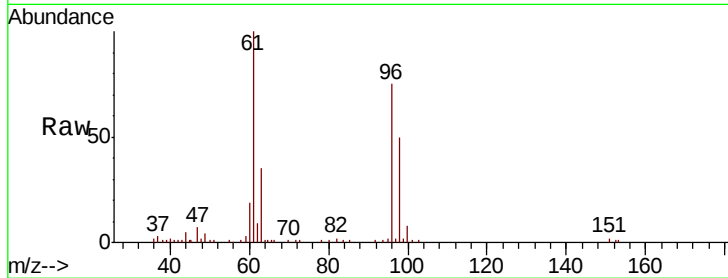
Tot Ion: 96 Resp: 13137

Ion Ratio Lower Upper

96 100

61 133.3 115.0 172.4

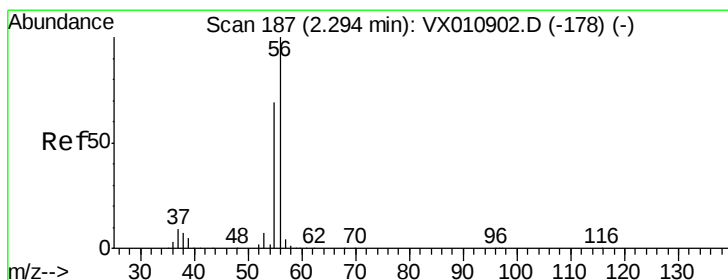
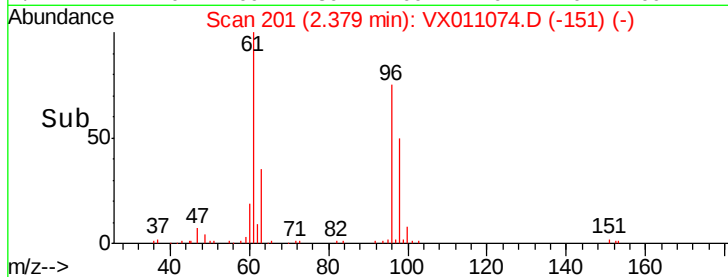
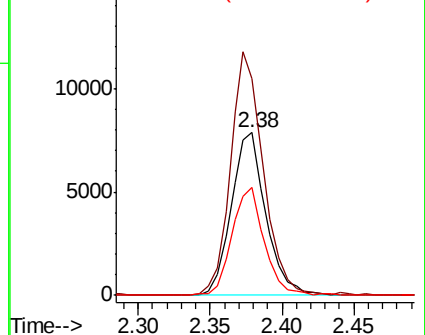
98 66.4 52.2 78.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: 0.821 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX011074.D

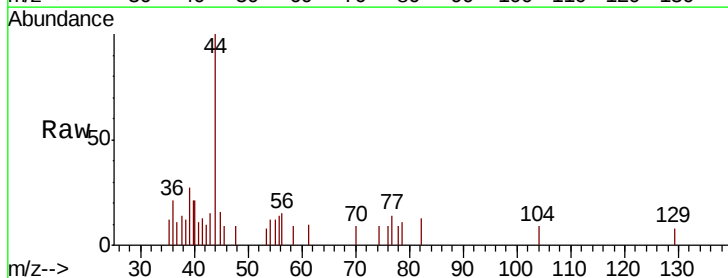
Acq: 25 Jul 2019 13:42

Tgt Ion: 56 Resp: 239

Ion Ratio Lower Upper

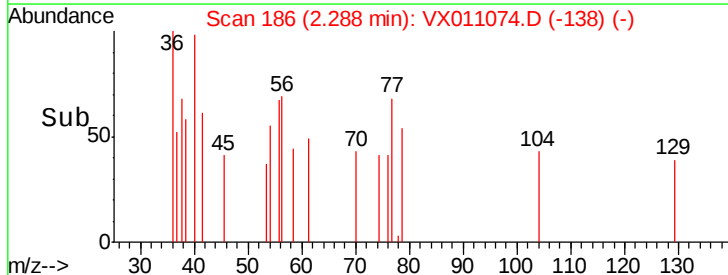
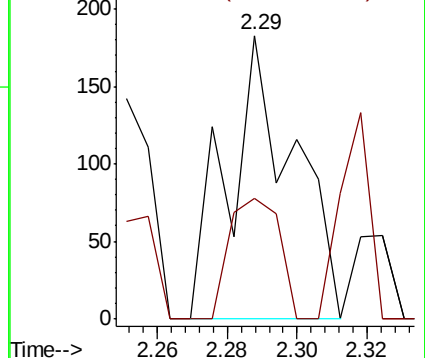
56 100

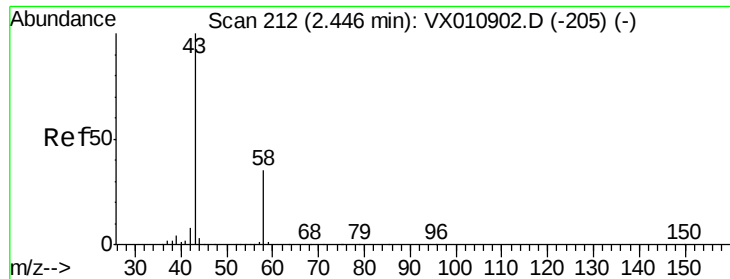
55 33.1 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 3.602 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX011074.D

Acq: 25 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

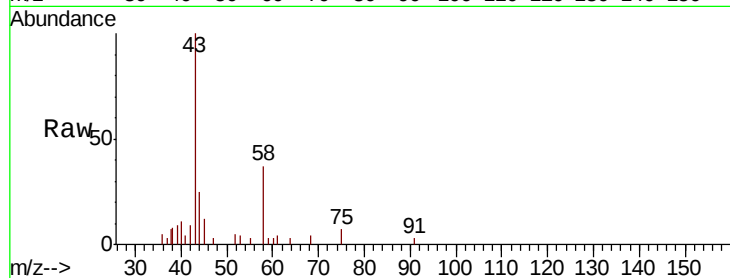
BP-VPB203-GW-218-220

Tot Ion: 43 Resp: 3520

Ion Ratio Lower Upper

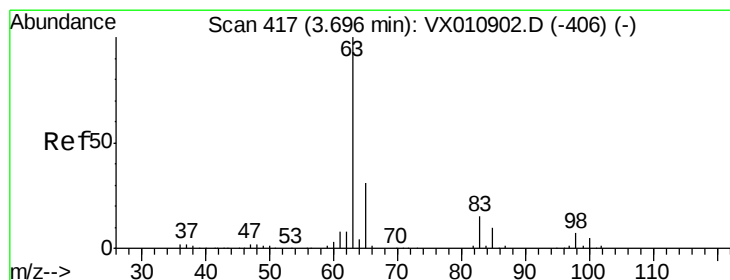
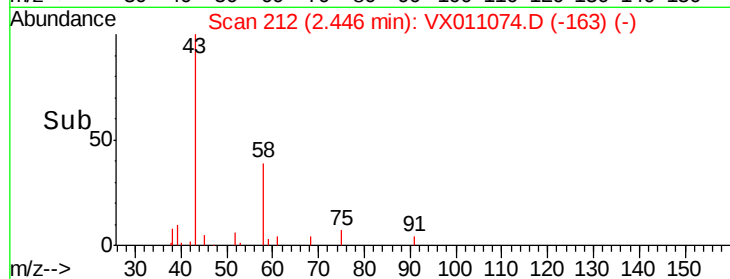
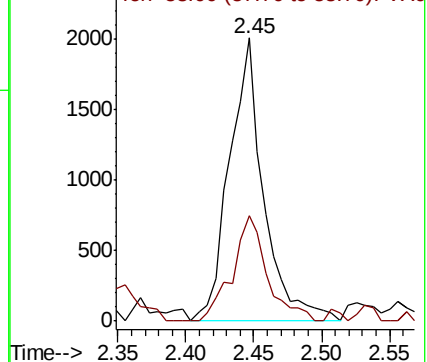
43 100

58 37.5 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#24

1,1-Dichloroethane

Concen: 7.952 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX011074.D

Acq: 25 Jul 2019 13:42

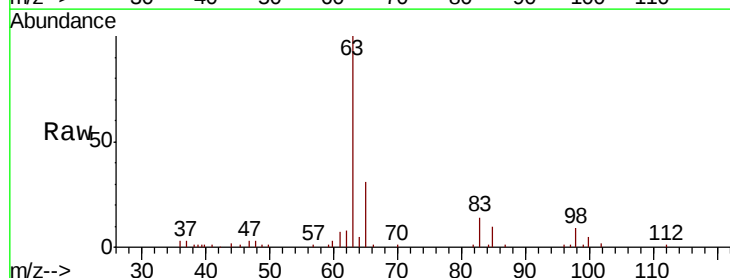
Tgt Ion: 63 Resp: 25634

Ion Ratio Lower Upper

63 100

98 8.7 3.6 10.9

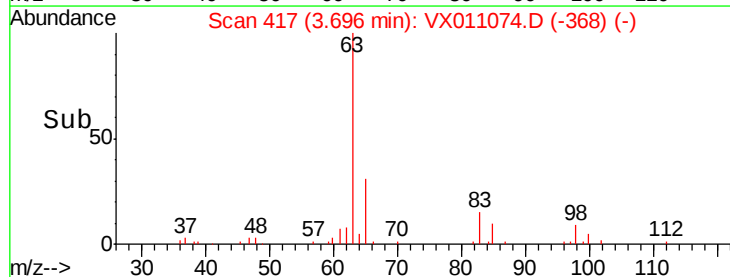
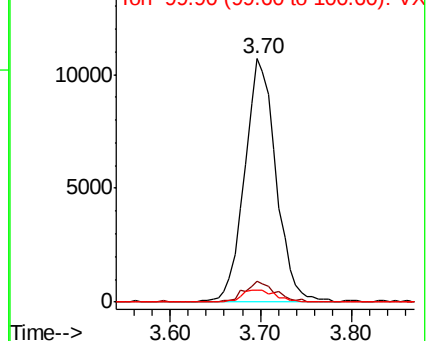
100 5.0 2.4 7.2

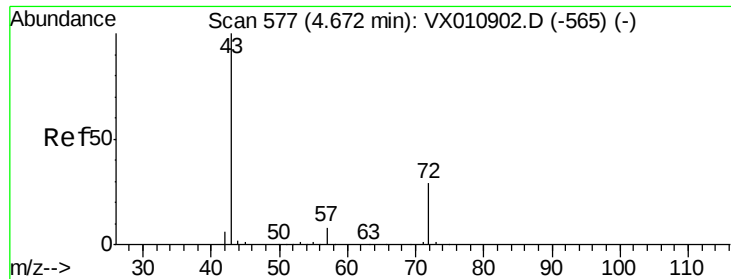


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 0.304 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX011074.D

Acq: 25 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

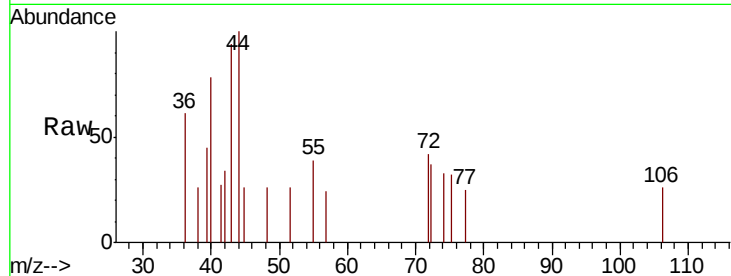
BP-VPB203-GW-218-220

Tot Ion: 43 Resp: 427

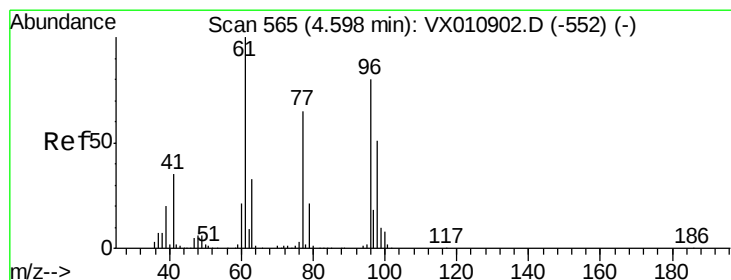
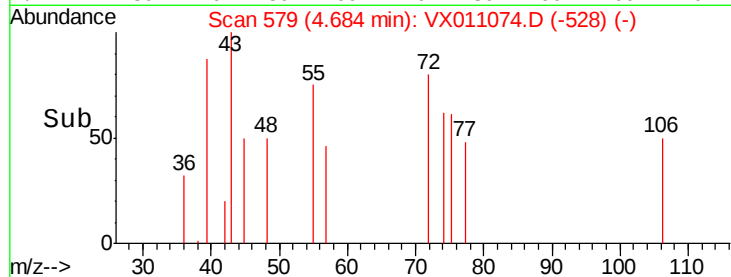
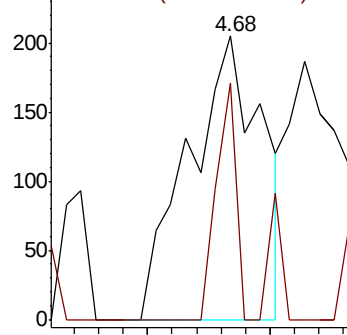
Ion Ratio Lower Upper

43 100

72 83.4 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.485 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX011074.D

Acq: 25 Jul 2019 13:42

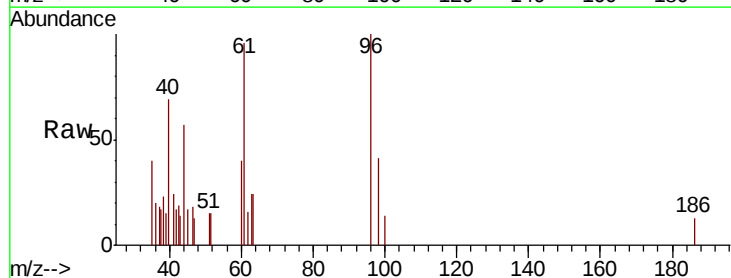
Tgt Ion: 96 Resp: 1079

Ion Ratio Lower Upper

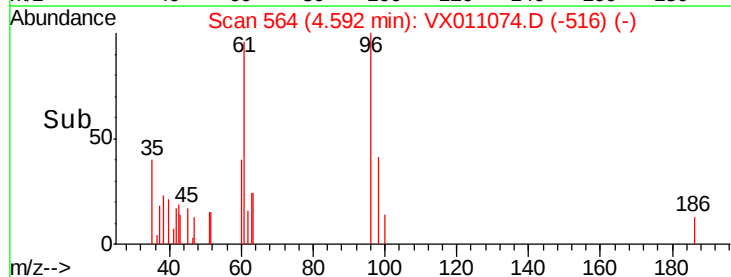
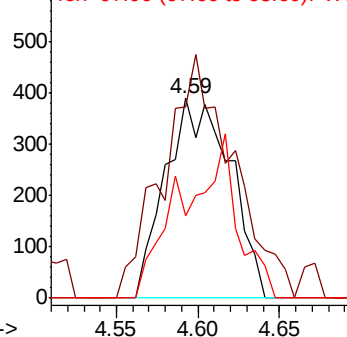
96 100

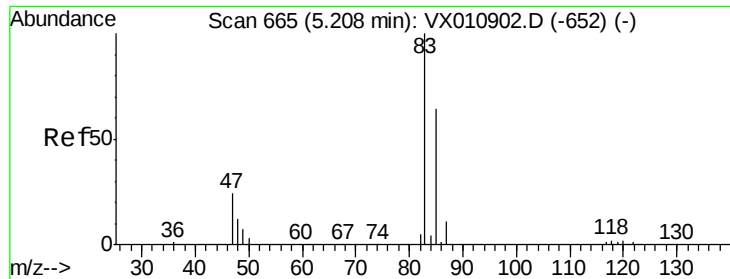
61 130.7 0.0 269.0

98 24.3 0.0 131.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

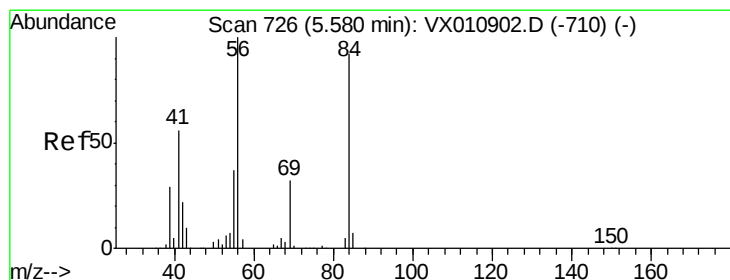
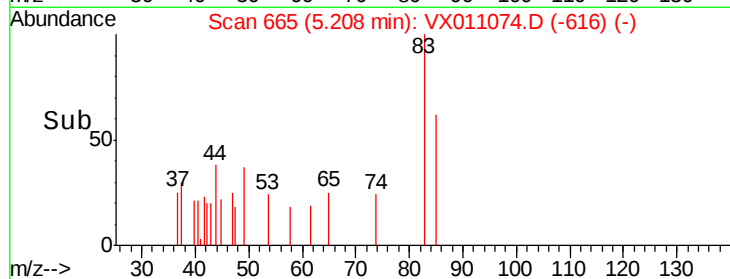
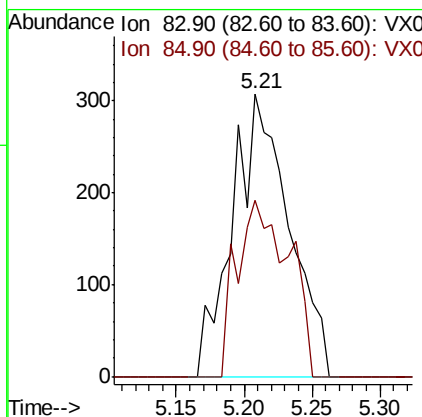
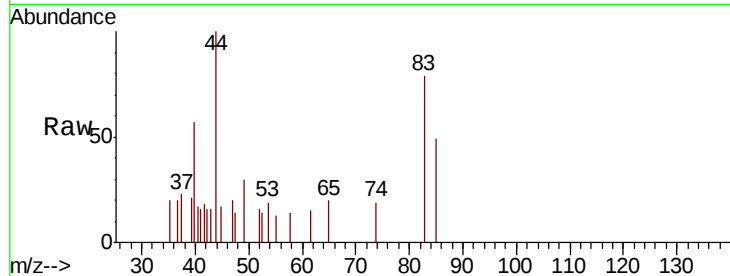




#30
Chloroform
Concen: 0.257 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX011074.D
Acq: 25 Jul 2019 13:42

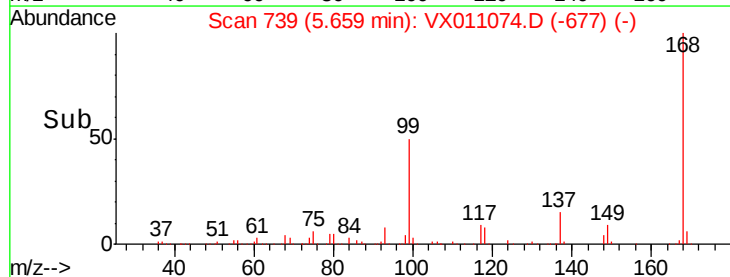
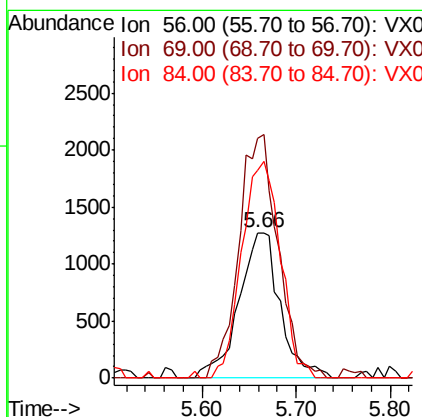
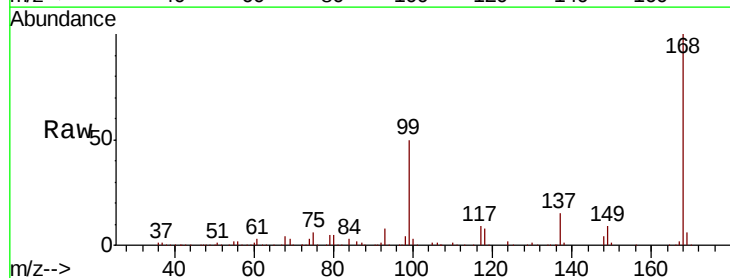
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-218-220

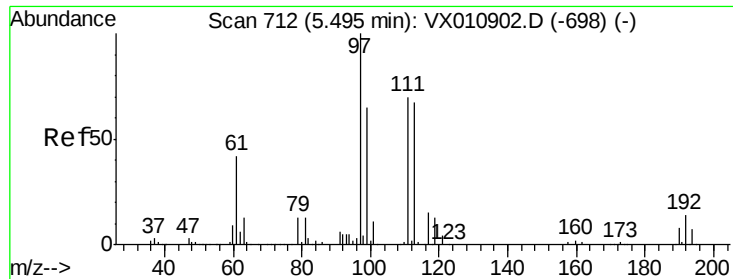
Tot Ion: 83 Resp: 895
Ion Ratio Lower Upper
83 100
85 62.3 51.4 77.0



#31
Cyclohexane
Concen: 1.332 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX011074.D
Acq: 25 Jul 2019 13:42

Tgt Ion: 56 Resp: 3915
Ion Ratio Lower Upper
56 100
69 165.1 25.8 38.8#
84 143.2 73.8 110.6#





#32

1,1,1-Trichloroethane

Concen: 2.968 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX011074.D

Acq: 25 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-218-220

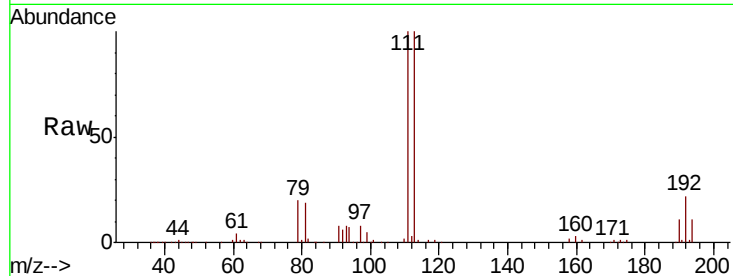
Tot Ion: 97 Resp: 8946

Ion Ratio Lower Upper

97 100

99 67.1 51.4 77.0

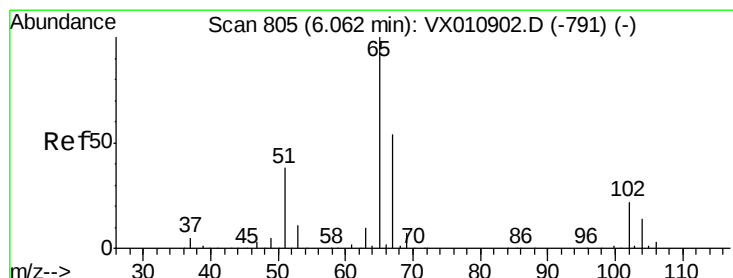
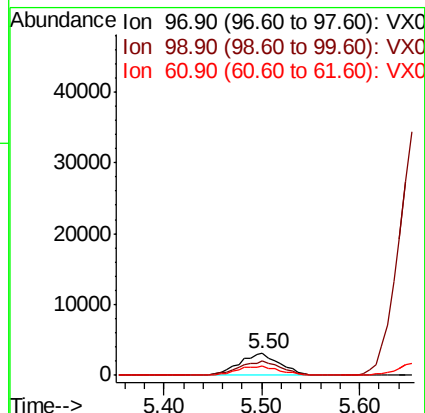
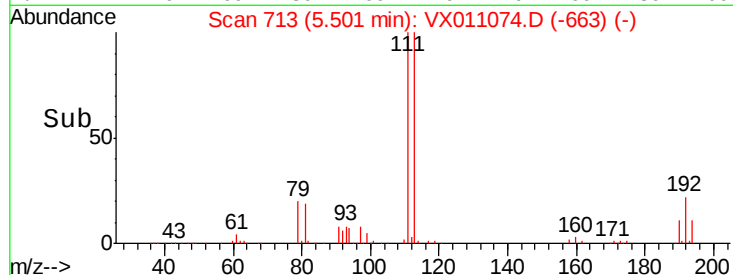
61 44.2 33.0 49.6



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.068 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX011074.D

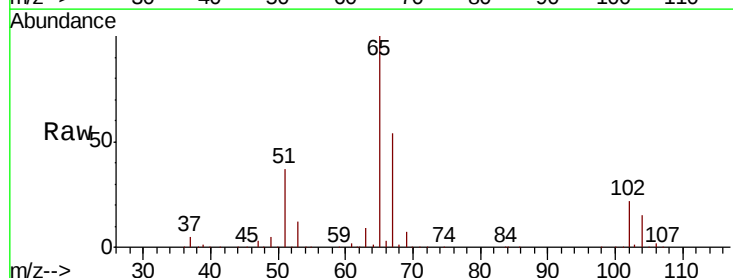
Acq: 25 Jul 2019 13:42

Tgt Ion: 65 Resp: 112674

Ion Ratio Lower Upper

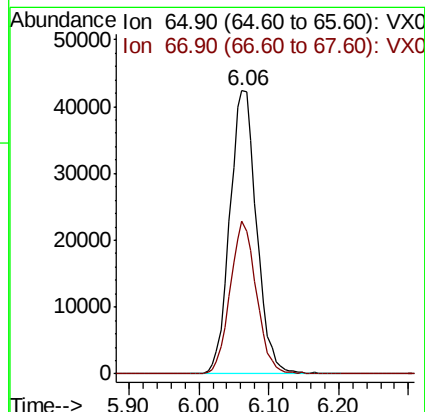
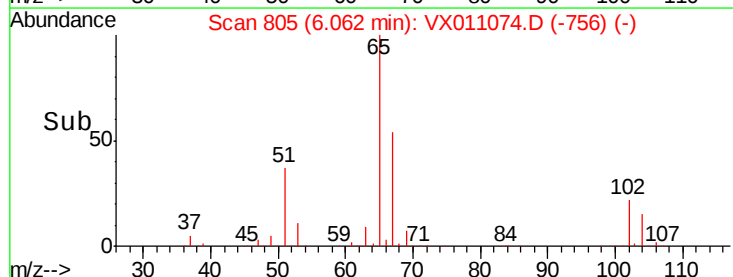
65 100

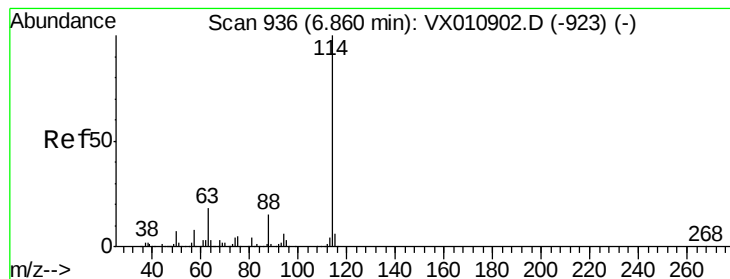
67 52.6 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX011074.D

Acq: 25 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-218-220

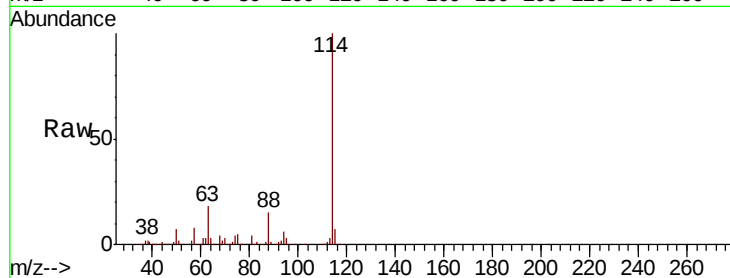
Tot Ion:114 Resp: 324674

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.6

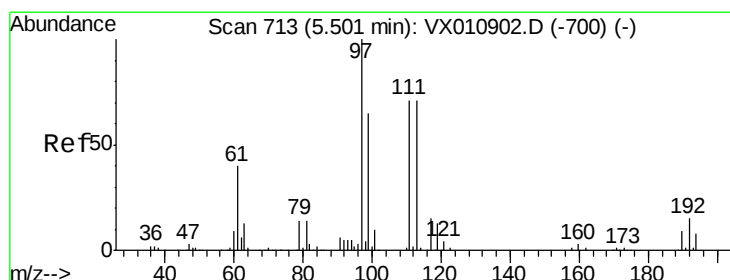
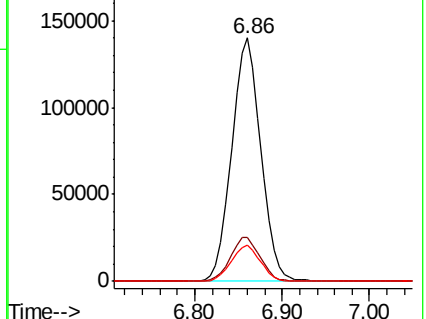
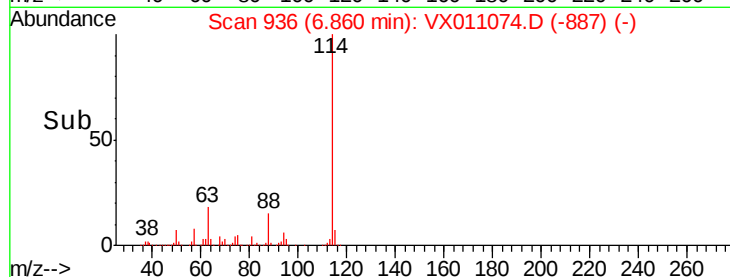
88 14.7 0.0 29.8



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: 49.564 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX011074.D

Acq: 25 Jul 2019 13:42

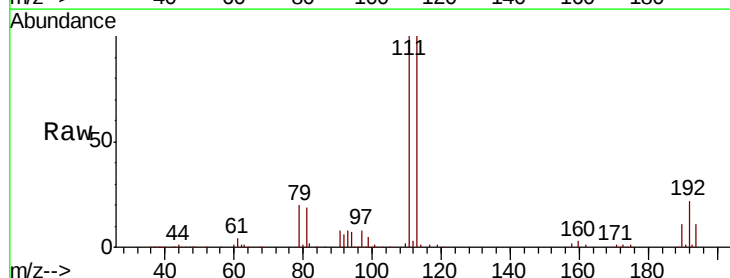
Tgt Ion:113 Resp: 102141

Ion Ratio Lower Upper

113 100

111 101.9 82.3 123.5

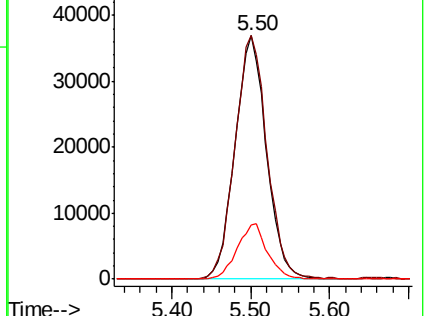
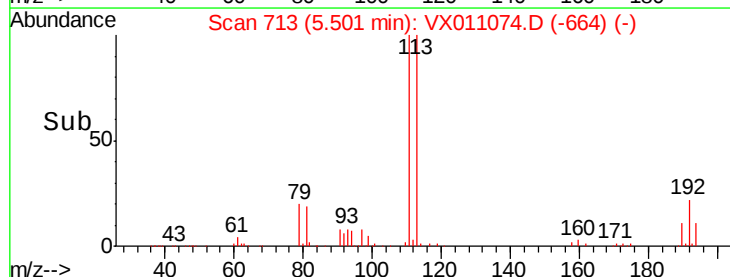
192 21.8 17.4 26.2

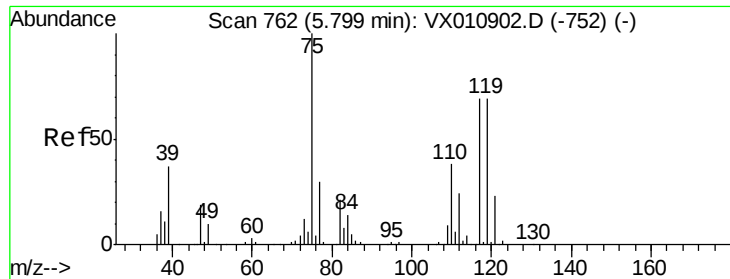


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.005 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX011074.D

Acq: 25 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-218-220

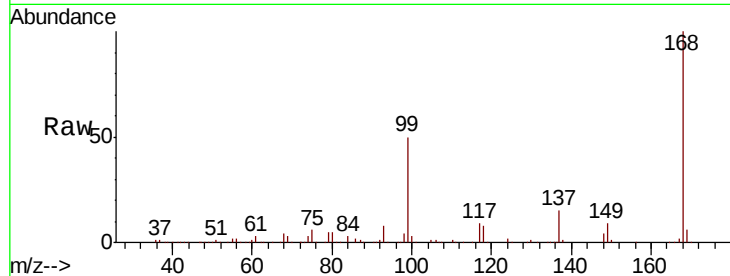
Tot Ion: 75 Resp: 13347

Ion Ratio Lower Upper

75 100

110 11.1 19.9 59.7#

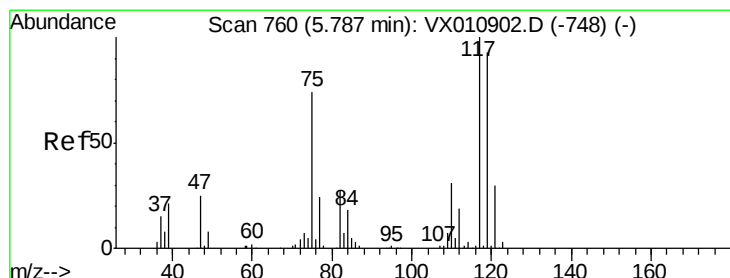
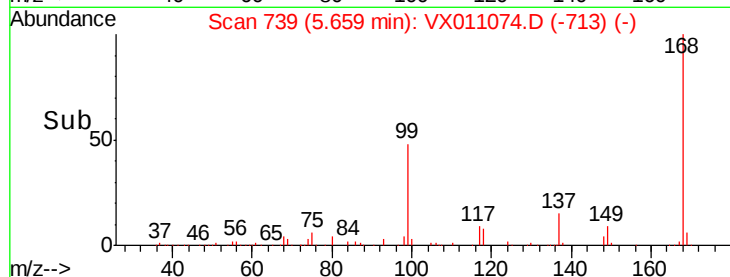
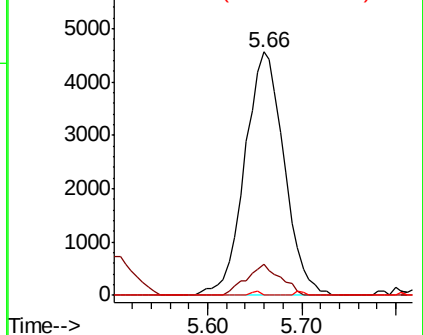
77 0.4 25.0 37.4#



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: 6.970 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011074.D

Acq: 25 Jul 2019 13:42

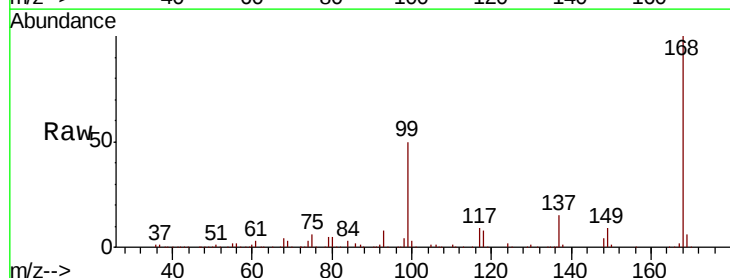
Tgt Ion: 117 Resp: 19370

Ion Ratio Lower Upper

117 100

119 3.9 74.2 111.2#

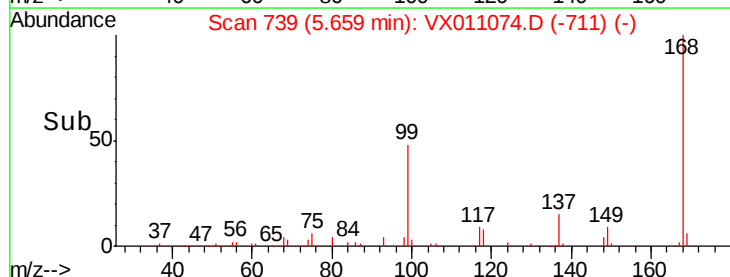
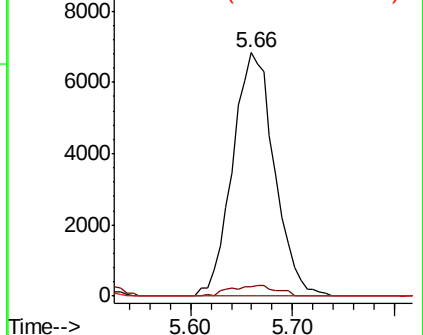
121 0.0 24.2 36.2#

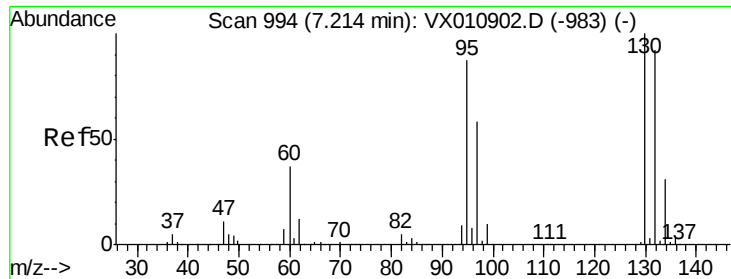


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

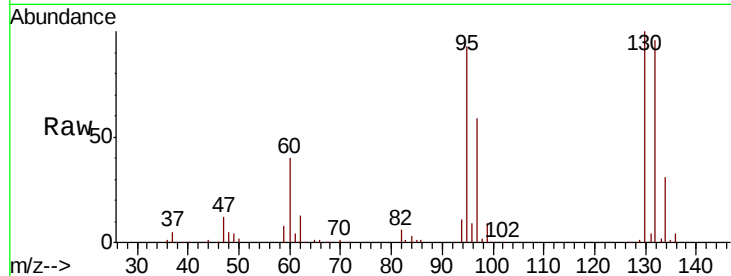




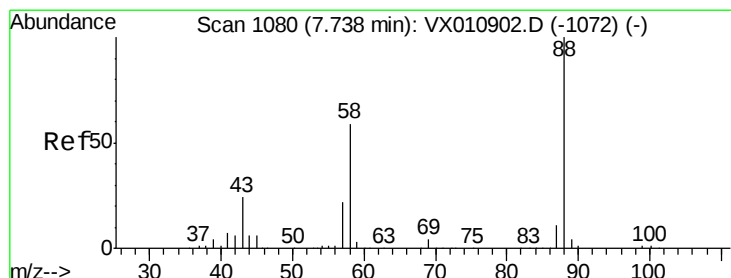
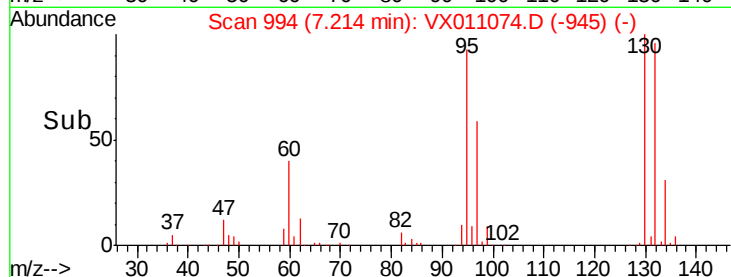
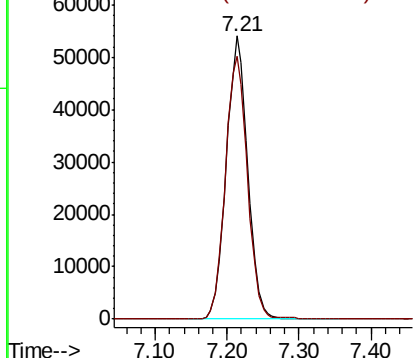
#44
 Trichloroethene
 Concen: 46.360 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX011074.D
 Acq: 25 Jul 2019 13:42

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-GW-218-220

Tot Ion:130 Resp: 112106
 Ion Ratio Lower Upper
 130 100
 95 92.7 0.0 174.8

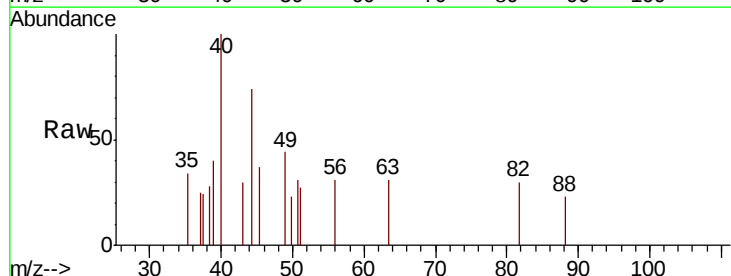


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

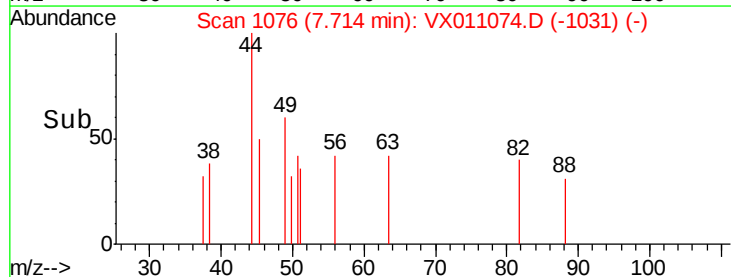
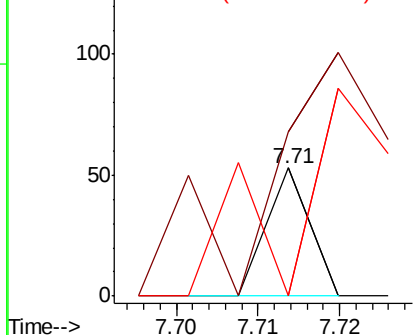


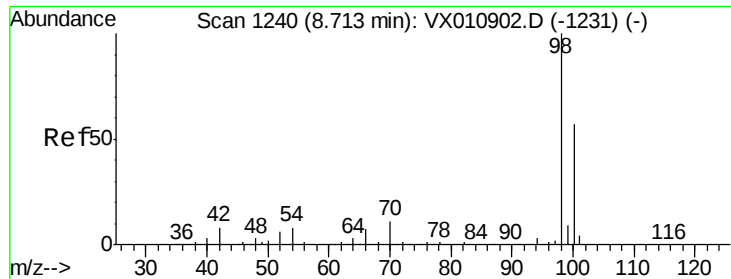
#49
 1,4-Dioxane
 Concen: 0.311 ug/l
 RT: 7.71 min Scan# 1076
 Delta R.T. -0.02 min
 Lab File: VX011074.D
 Acq: 25 Jul 2019 13:42

Tgt Ion: 88 Resp: 19
 Ion Ratio Lower Upper
 88 100
 43 647.4 22.9 34.3#
 58 0.0 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

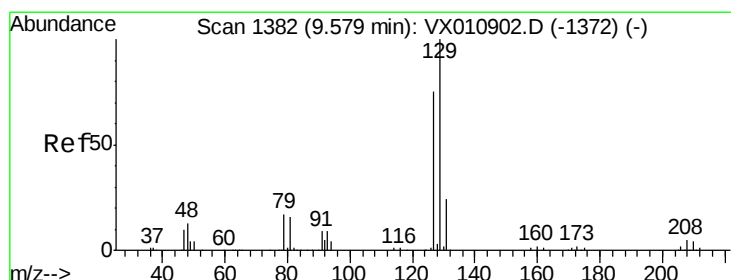
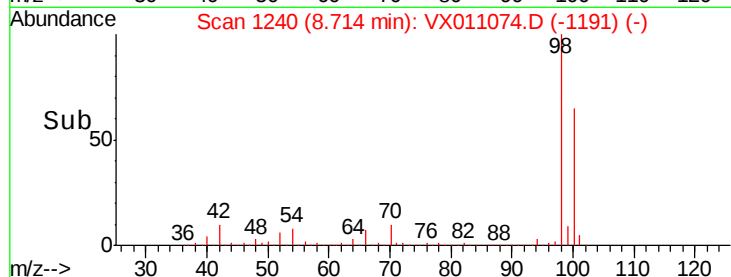
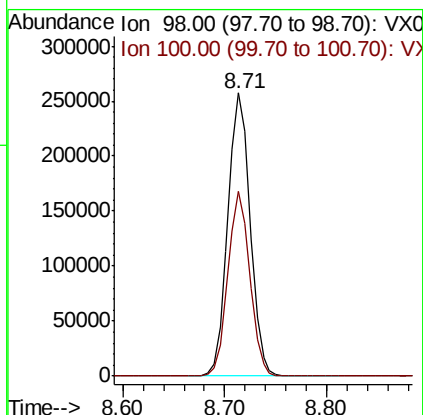
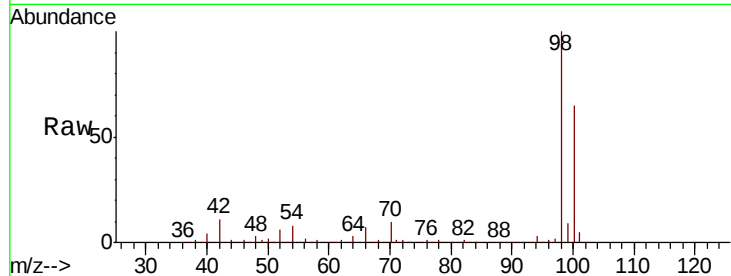




#50
Toluene-d8
Concen: 50.367 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011074.D
Acq: 25 Jul 2019 13:42

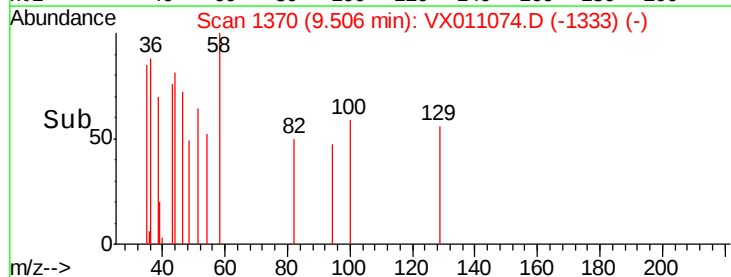
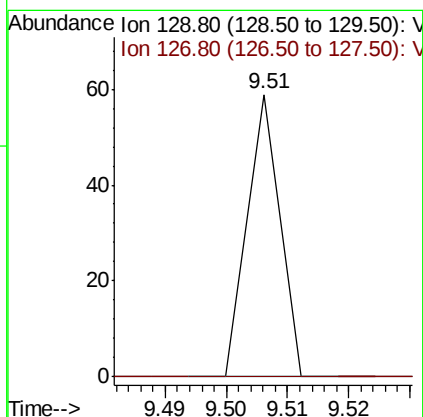
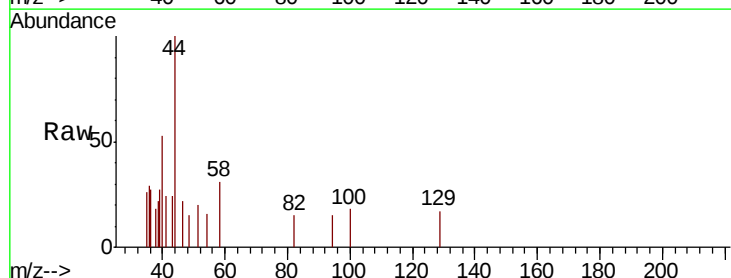
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-218-220

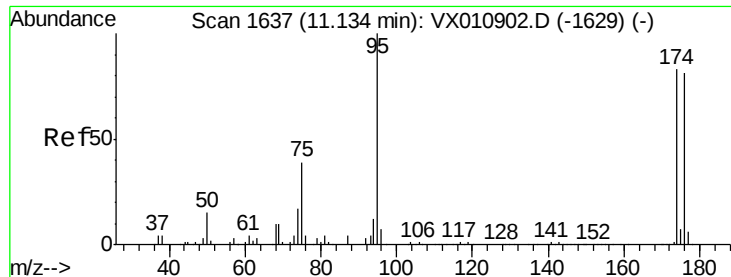
Tot Ion: 98 Resp: 389298
Ion Ratio Lower Upper
98 100
100 63.9 50.6 75.8



#60
Dibromochloromethane
Concen: 2.536 ug/l
RT: 9.51 min Scan# 1370
Delta R.T. -0.07 min
Lab File: VX011074.D
Acq: 25 Jul 2019 13:42

Tgt Ion: 129 Resp: 22
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

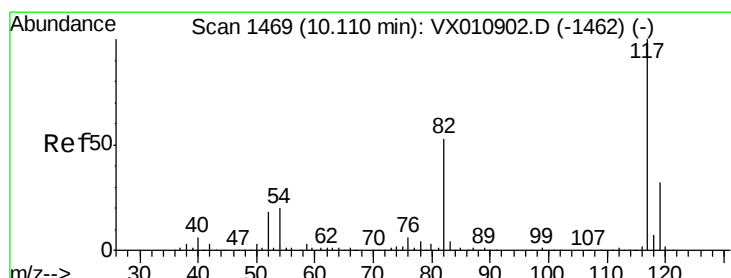
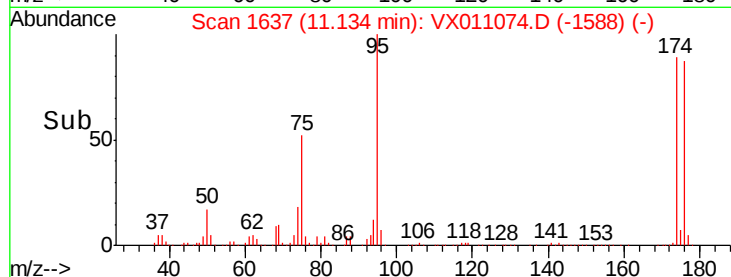
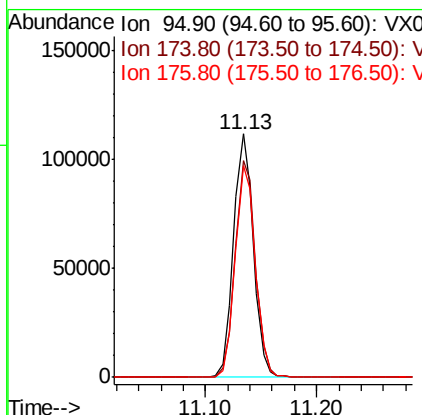
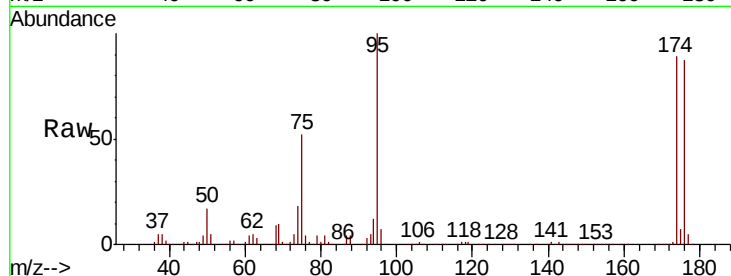




#62
4-Bromofluorobenzene
Concen: 48.443 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011074.D
Acq: 25 Jul 2019 13:42

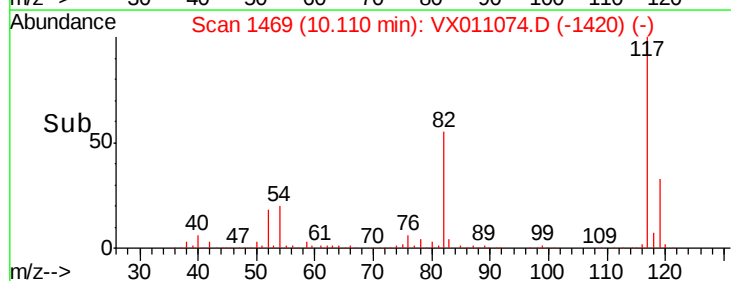
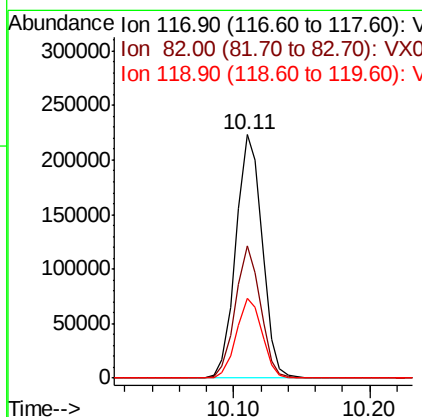
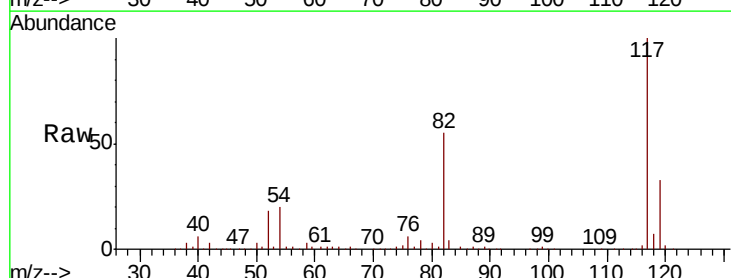
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-218-220

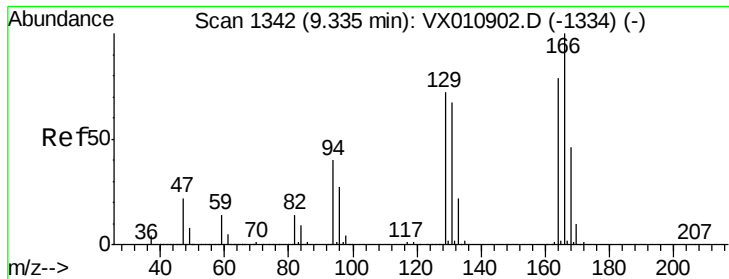
Tot Ion: 95 Resp: 137629
Ion Ratio Lower Upper
95 100
174 91.1 0.0 180.6
176 88.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011074.D
Acq: 25 Jul 2019 13:42

Tgt Ion: 117 Resp: 300565
Ion Ratio Lower Upper
117 100
82 54.5 42.6 63.8
119 32.6 25.9 38.9





#64

Tetrachloroethene

Concen: 0.244 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX011074.D

Acq: 25 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-218-220

Tot Ion:164 Resp: 576

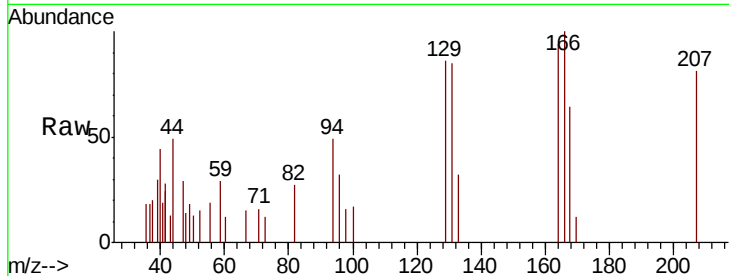
Ion Ratio Lower Upper

164 100

166 106.0 100.8 151.2

129 91.3 72.6 109.0

131 89.8 67.7 101.5

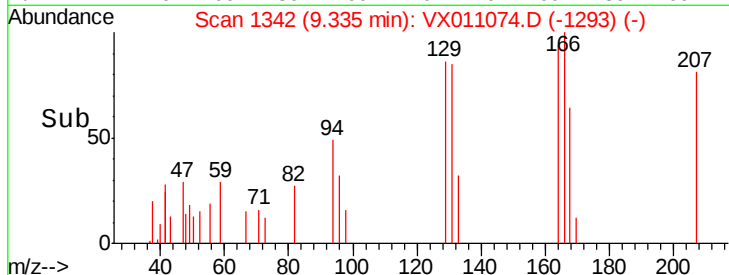
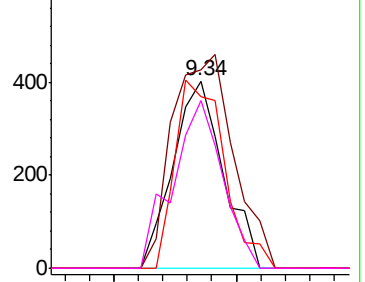


Abundance Ion 163.80 (163.50 to 164.50): V

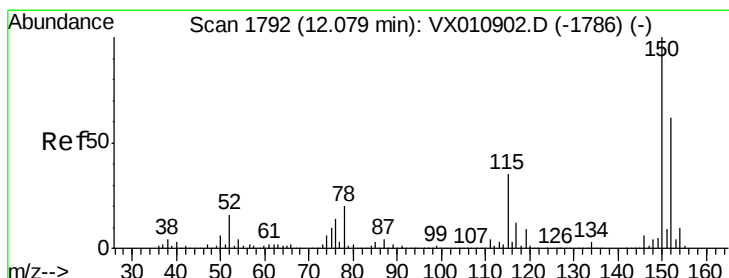
Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011074.D

Acq: 25 Jul 2019 13:42

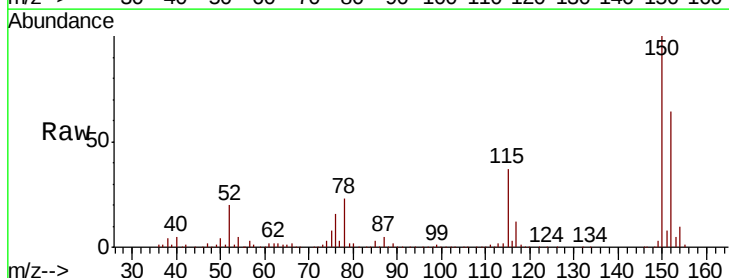
Tgt Ion:152 Resp: 140754

Ion Ratio Lower Upper

152 100

115 56.3 39.7 119.1

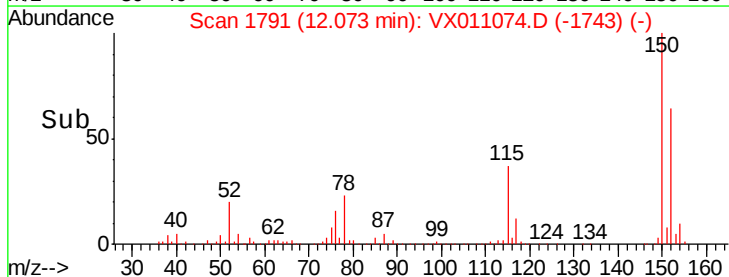
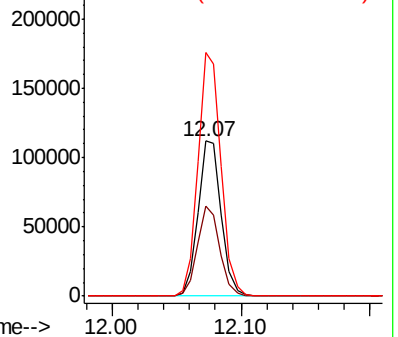
150 156.9 0.0 345.6

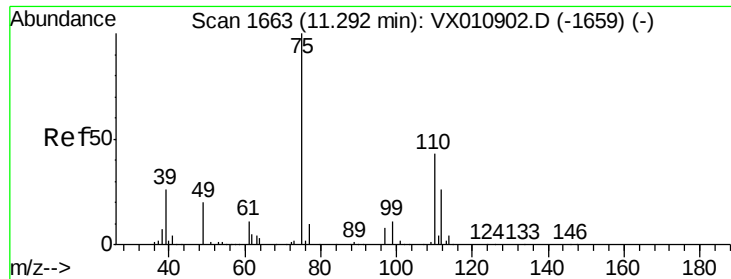


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

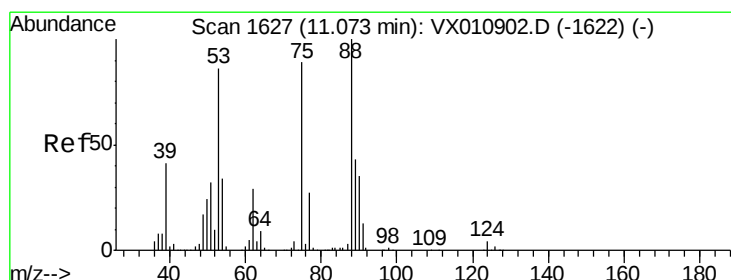
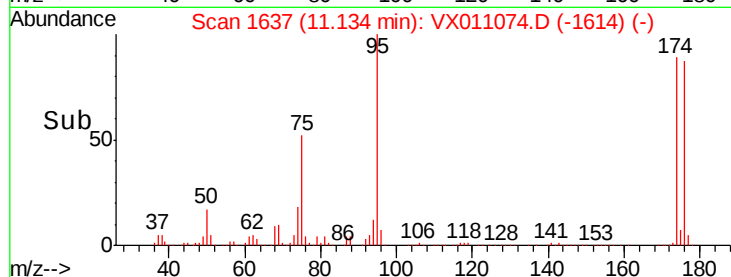
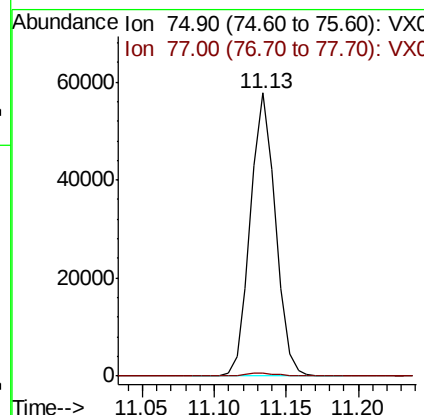
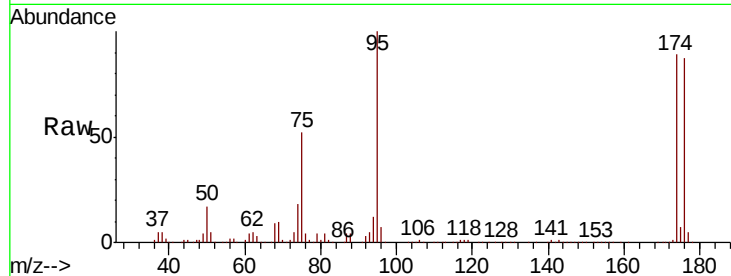




#76
 1,2,3-Trichloropropane
 Concen: 27.264 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011074.D
 Acq: 25 Jul 2019 13:42

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-GW-218-220

Tot Ion: 75 Resp: 69249
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.3 64.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.556 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011074.D
 Acq: 25 Jul 2019 13:42

Tgt Ion: 75 Resp: 69249
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.7 115.1#
 89 0.0 38.5 57.7#

