

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX073019\
 Data File : VX011193.D
 Acq On : 30 Jul 2019 14:33
 Operator : JC/SP
 Sample : K4043-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-GW-318-320

Quant Time: Aug 08 05:23:37 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	219148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	321055	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	284749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	131704	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	110536	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	
35) Dibromofluoromethane	5.50	113	95817	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	
50) Toluene-d8	8.71	98	373093	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
62) 4-Bromofluorobenzene	11.13	95	122342	43.55	ug/l	0.00
Spiked Amount			Recovery	=	87.10%	

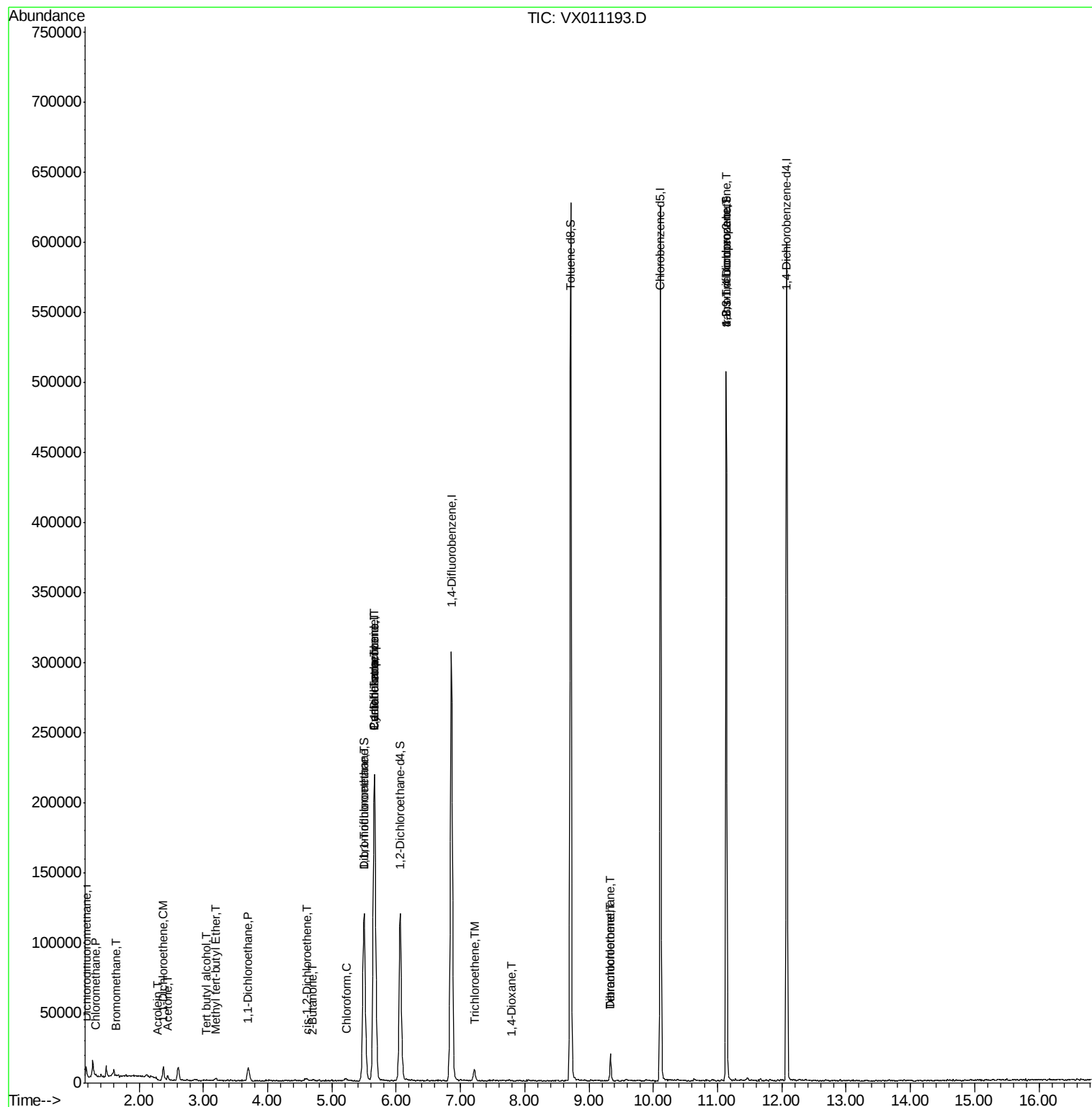
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	19	0.554	ug/l #	43
3) Chloromethane	1.33	50	780	0.387	ug/l	94
5) Bromomethane	1.65	94	662	0.571	ug/l	89
11) Tert butyl alcohol	3.04	59	796	1.466	ug/l #	93
12) 1,1-Dichloroethene	2.37	96	3206	1.642	ug/l	97
13) Acrolein	2.29	56	127	0.405	ug/l #	15
16) Acetone	2.44	43	3502	3.326	ug/l	88
19) Methyl tert-butyl Ether	3.19	73	1676	0.267	ug/l #	82
24) 1,1-Dichloroethane	3.70	63	9736	2.803	ug/l	97
25) 2-Butanone	4.70	43	1096	0.725	ug/l #	46
27) cis-1,2-Dichloroethene	4.60	96	1083	0.452	ug/l	66
30) Chloroform	5.22	83	2050	0.546	ug/l	92
31) Cyclohexane	5.67	56	4479	1.415	ug/l #	15
32) 1,1,1-Trichloroethane	5.49	97	2818	0.868	ug/l #	39
36) 1,1-Dichloropropene	5.66	75	15370	5.828	ug/l #	48
38) Carbon Tetrachloride	5.67	117	21009	7.645	ug/l #	17
44) Trichloroethene	7.21	130	3138	1.312	ug/l	100
49) 1,4-Dioxane	7.79	88	46	0.760	ug/l #	1
60) Dibromochloromethane	9.34	129	3256	3.757	ug/l #	11
64) Tetrachloroethene	9.34	164	3753	1.675	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	62061	26.113	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	62061	64.872	ug/l #	11

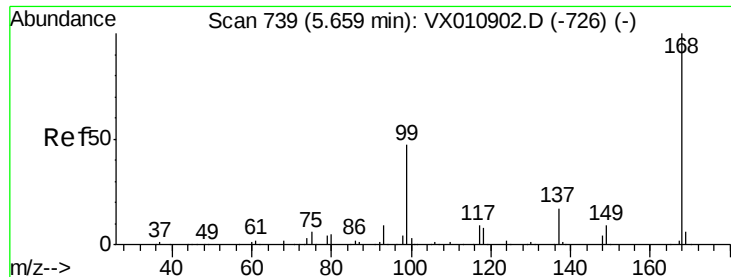
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX073019\
Data File : VX011193.D
Acq On : 30 Jul 2019 14:33
Operator : JC/SP
Sample : K4043-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleID :
BP-VPB203-GW-318-320

Quant Time: Aug 08 05:23:37 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: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011193.D

Acq: 30 Jul 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

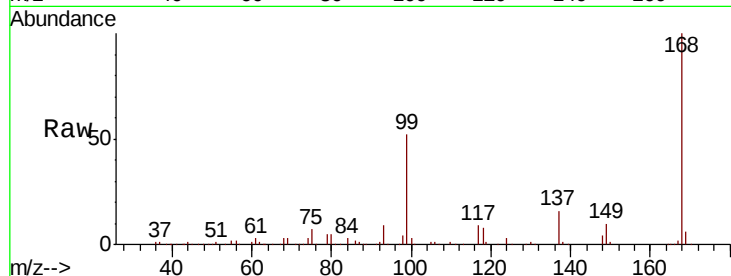
BP-VPB203-GW-318-320

Tgt Ion: 168 Resp: 219148

Ion Ratio Lower Upper

168 100

99 51.5 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

40000

20000

0

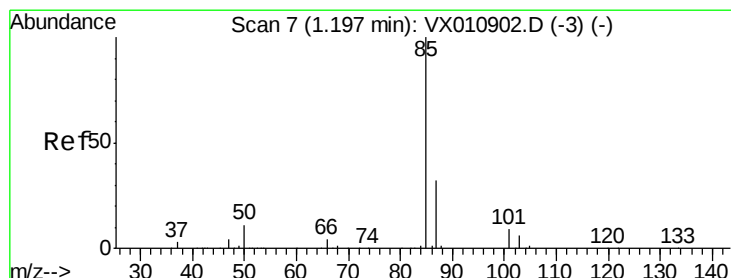
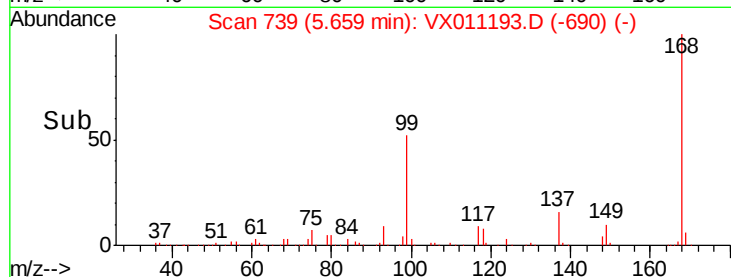
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.554 ug/l

RT: 1.18 min Scan# 5

Delta R.T. -0.01 min

Lab File: VX011193.D

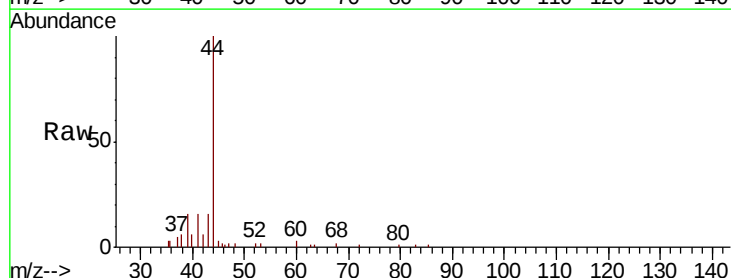
Acq: 30 Jul 2019 14:33

Tgt Ion: 85 Resp: 19

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

60

50

40

30

20

10

0

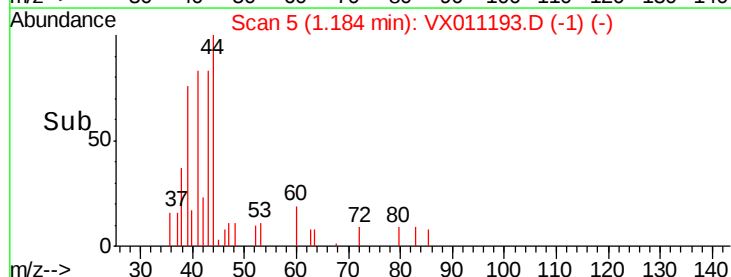
1.17

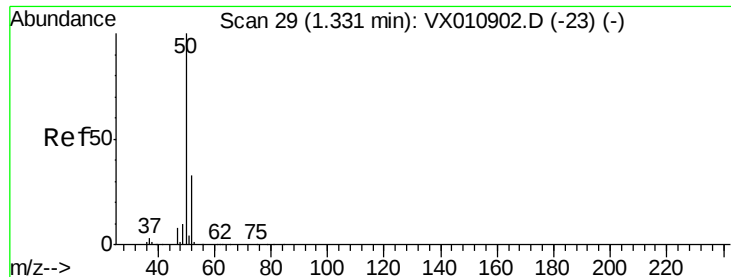
1.18

1.19

1.20

Time-->





#3

Chloromethane

Concen: 0.387 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011193.D

Acq: 30 Jul 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

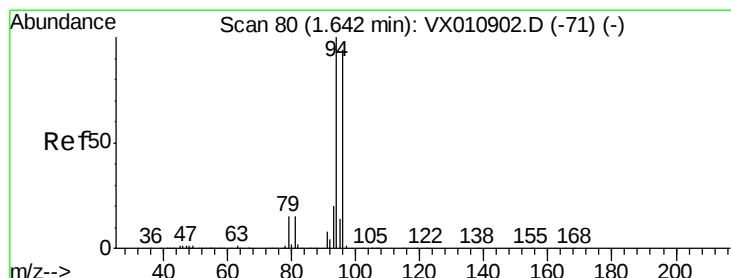
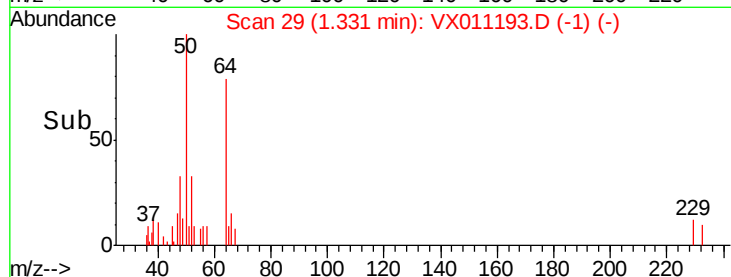
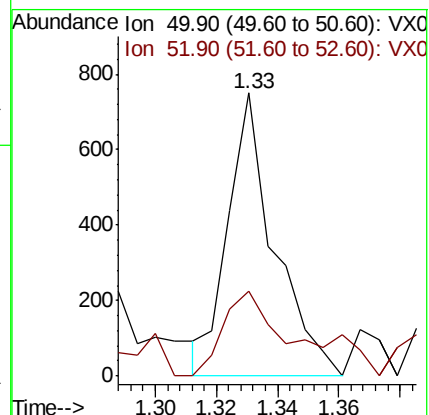
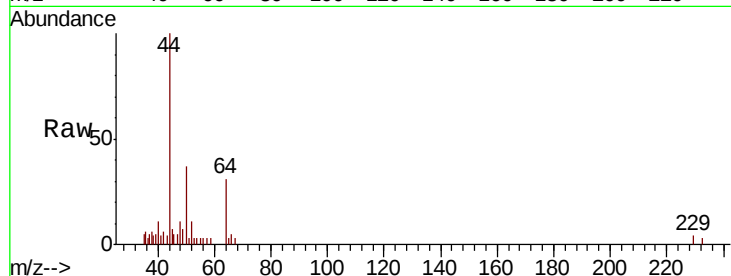
BP-VPB203-GW-318-320

Tgt Ion: 50 Resp: 780

Ion Ratio Lower Upper

50 100

52 29.9 26.4 39.6



#5

Bromomethane

Concen: 0.571 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX011193.D

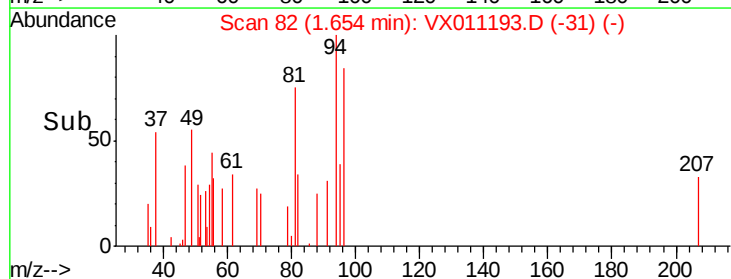
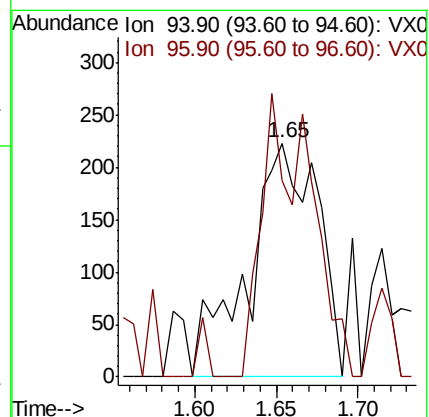
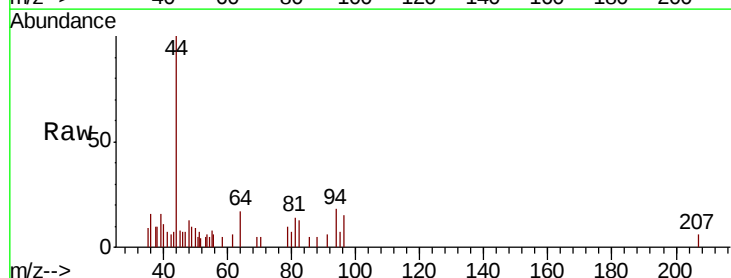
Acq: 30 Jul 2019 14:33

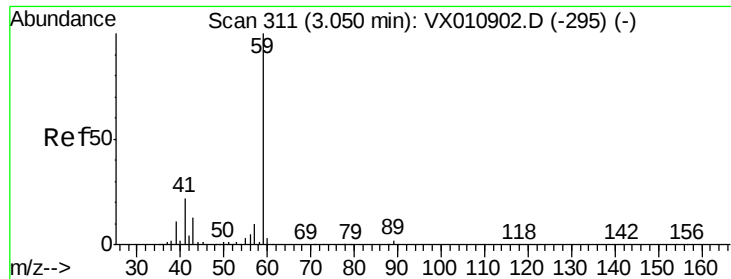
Tgt Ion: 94 Resp: 662

Ion Ratio Lower Upper

94 100

96 83.9 75.6 113.4

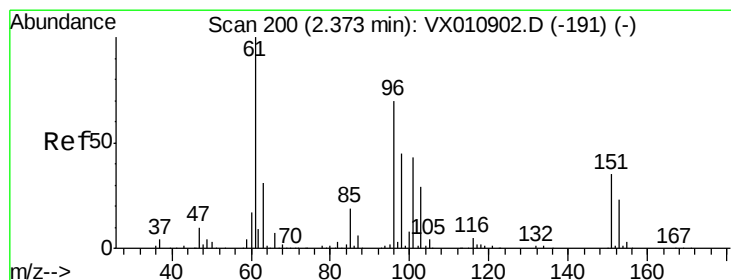
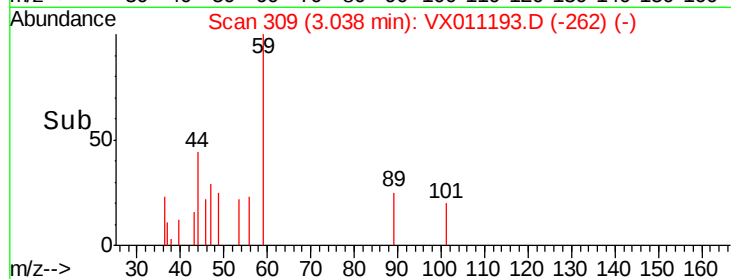
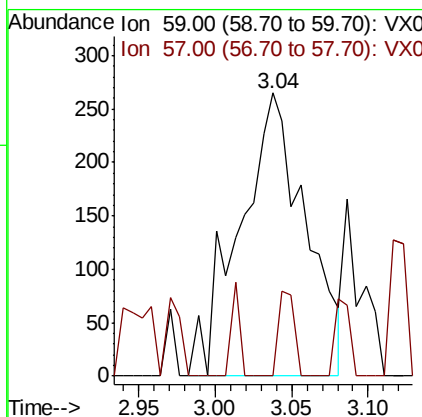
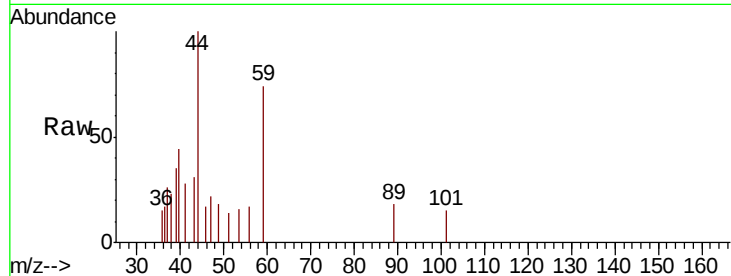




#11
Tert butyl alcohol
Concen: 1.466 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX011193.D
Acq: 30 Jul 2019 14:33

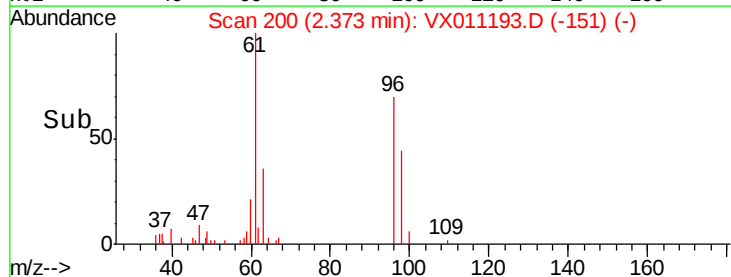
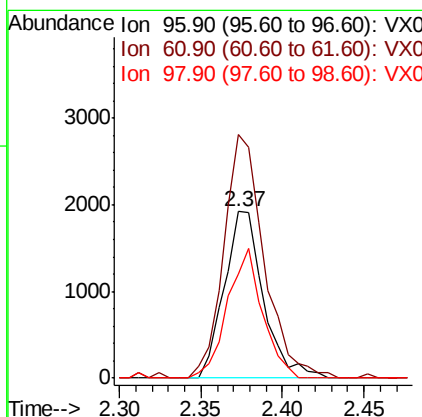
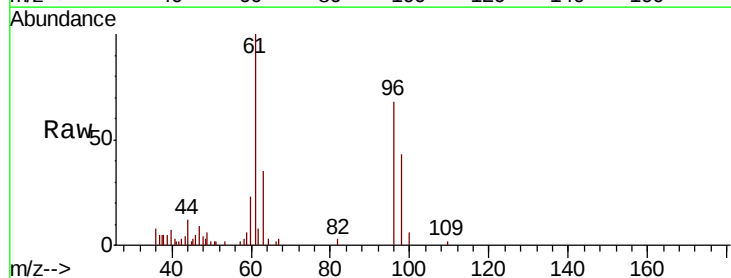
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-318-320

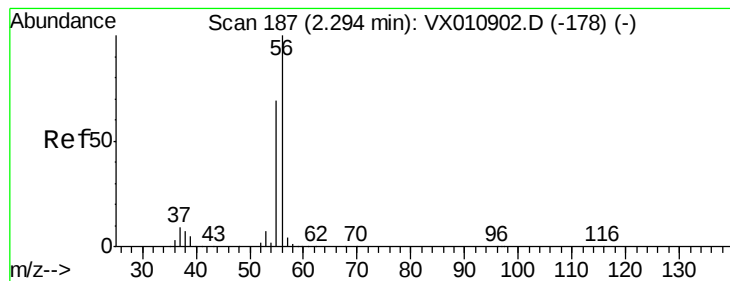
Tgt Ion: 59 Resp: 796
Ion Ratio Lower Upper
59 100
57 7.2 7.9 11.9#



#12
1,1-Dichloroethene
Concen: 1.642 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX011193.D
Acq: 30 Jul 2019 14:33

Tgt Ion: 96 Resp: 3206
Ion Ratio Lower Upper
96 100
61 146.5 115.0 172.4
98 62.7 52.2 78.2





#13

Acrolein

Concen: 0.405 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX011193.D

Acq: 30 Jul 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

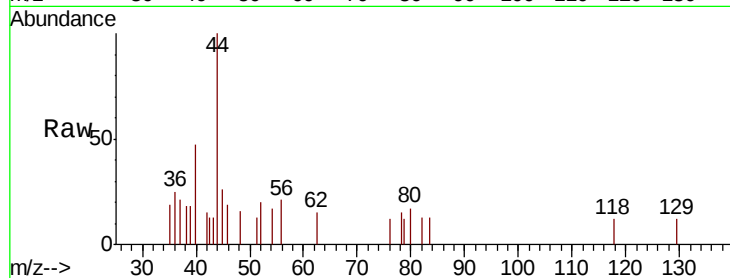
BP-VPB203-GW-318-320

Tgt Ion: 56 Resp: 127

Ion Ratio Lower Upper

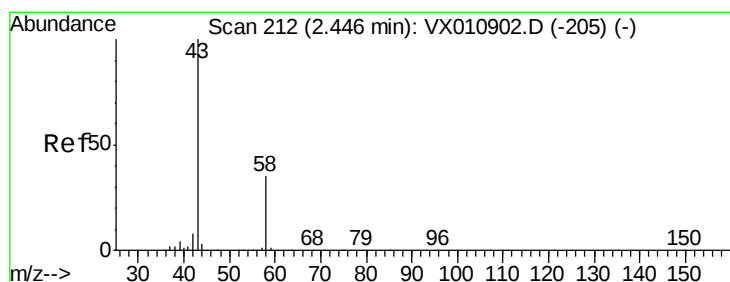
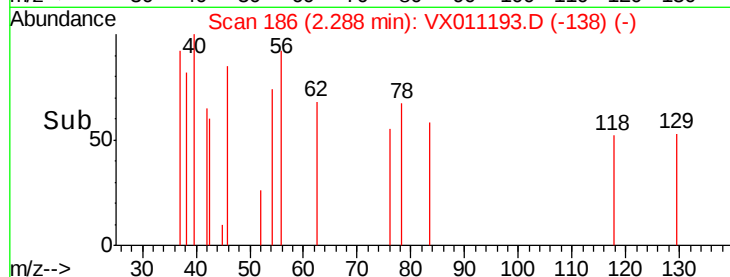
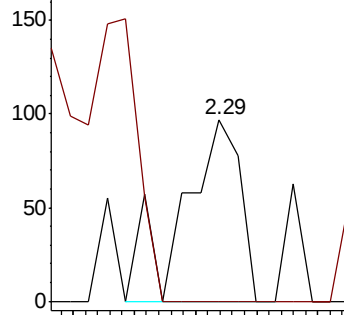
56 100

55 0.0 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: 3.326 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX011193.D

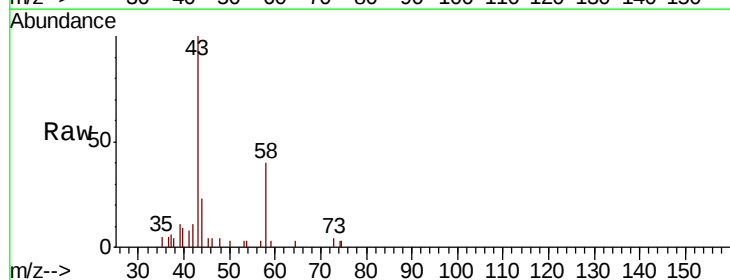
Acq: 30 Jul 2019 14:33

Tgt Ion: 43 Resp: 3502

Ion Ratio Lower Upper

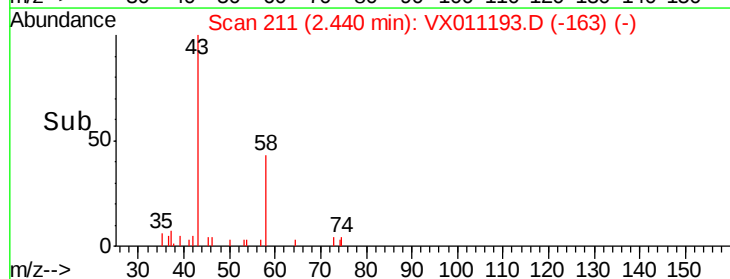
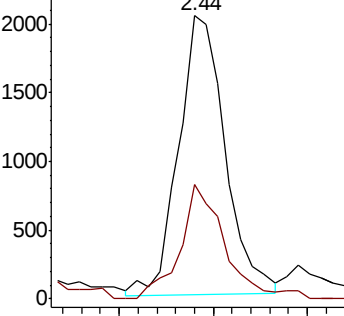
43 100

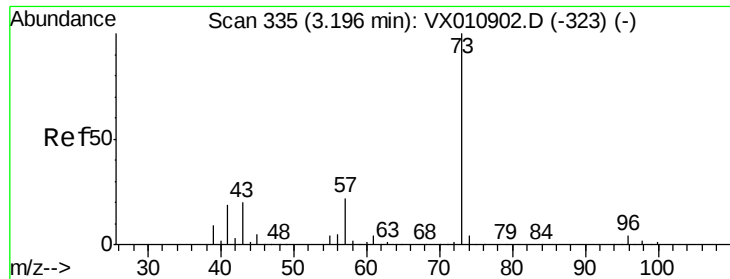
58 41.4 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



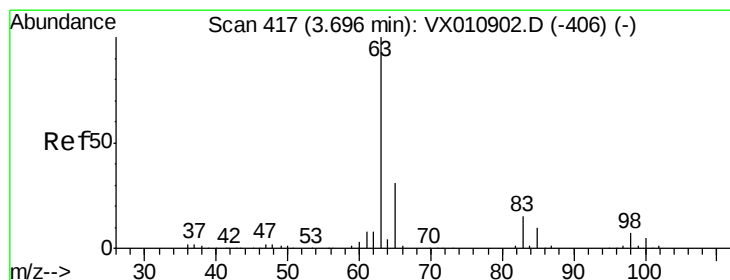
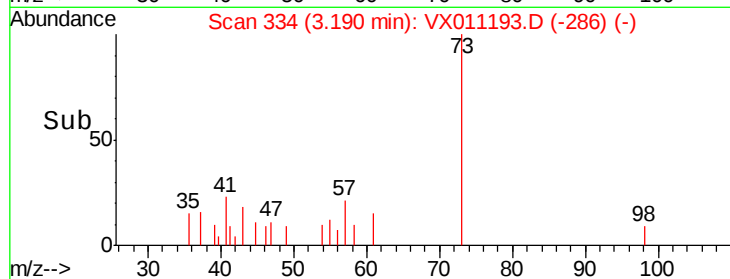
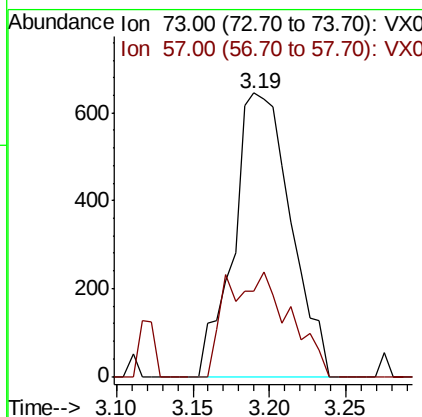
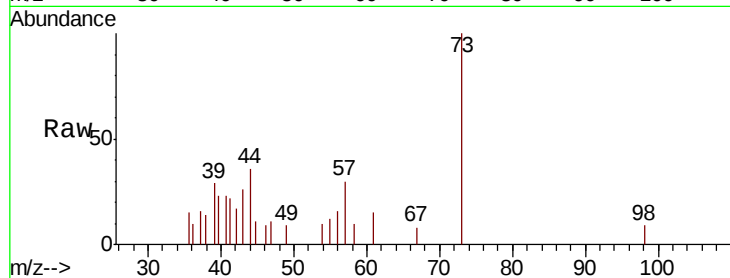


#19

Methyl tert-butyl Ether
 Concen: 0.267 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX011193.D
 Acq: 30 Jul 2019 14:33

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-GW-318-320

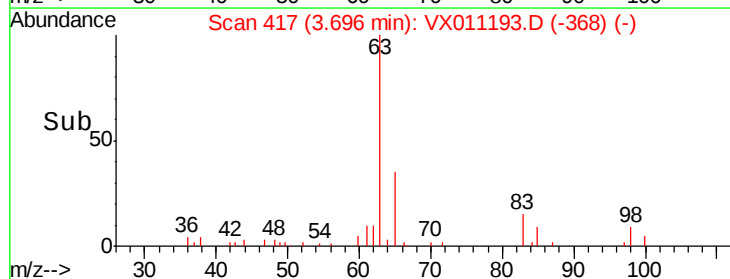
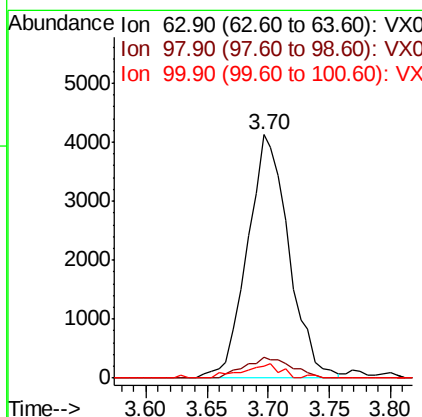
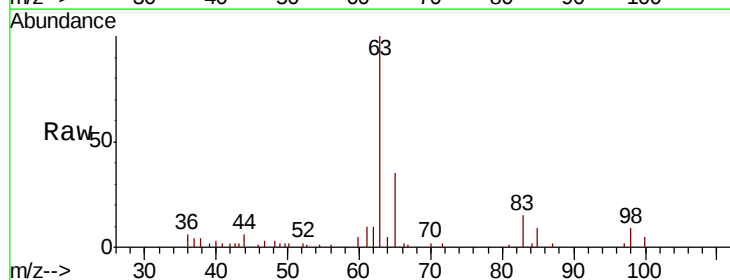
Tgt Ion: 73 Resp: 1676
 Ion Ratio Lower Upper
 73 100
 57 29.9 17.3 25.9#

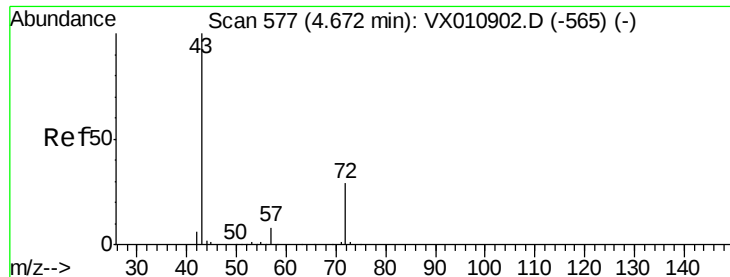


#24

1,1-Dichloroethane
 Concen: 2.803 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: VX011193.D
 Acq: 30 Jul 2019 14:33

Tgt Ion: 63 Resp: 9736
 Ion Ratio Lower Upper
 63 100
 98 8.7 3.6 10.9
 100 5.1 2.4 7.2





#25

2-Butanone

Concen: 0.725 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.03 min

Lab File: VX011193.D

Acq: 30 Jul 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

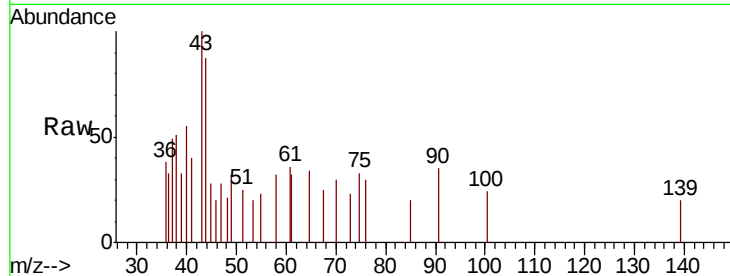
BP-VPB203-GW-318-320

Tgt Ion: 43 Resp: 1096

Ion Ratio Lower Upper

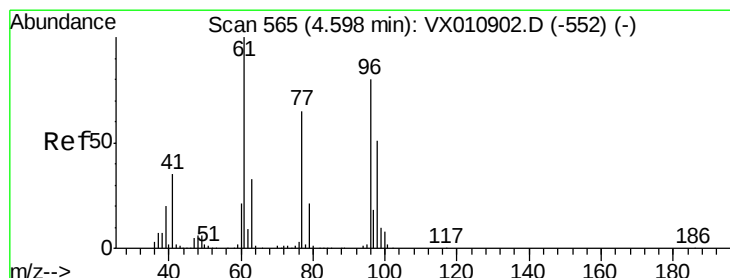
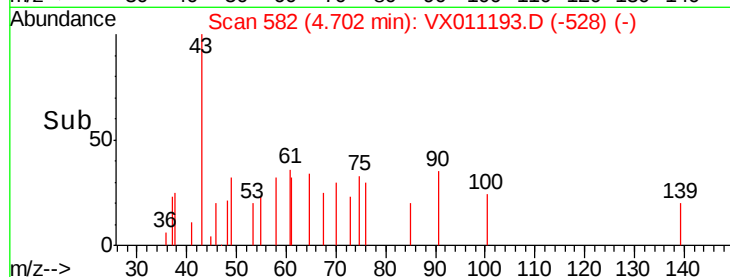
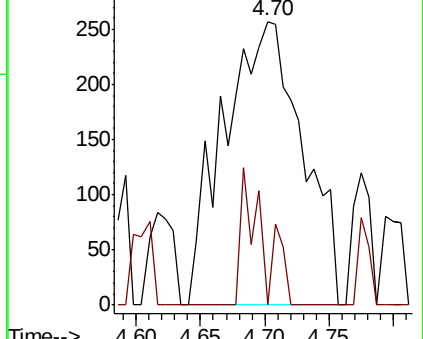
43 100

72 0.0 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.452 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX011193.D

Acq: 30 Jul 2019 14:33

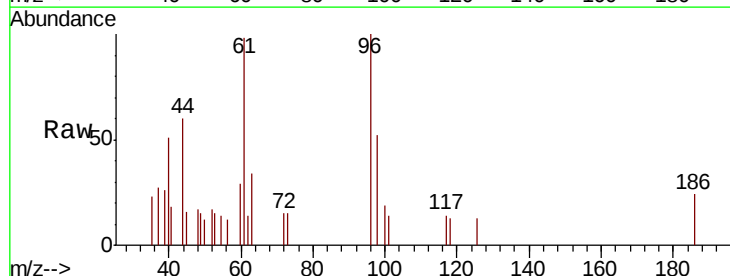
Tgt Ion: 96 Resp: 1083

Ion Ratio Lower Upper

96 100

61 78.8 0.0 269.0

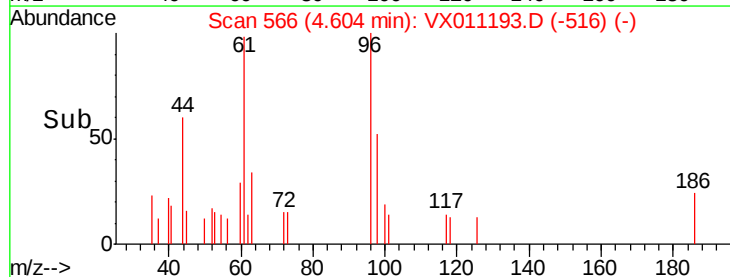
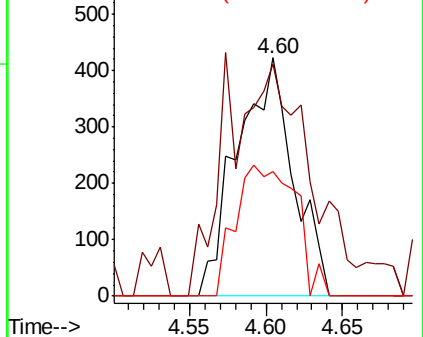
98 58.6 0.0 131.4

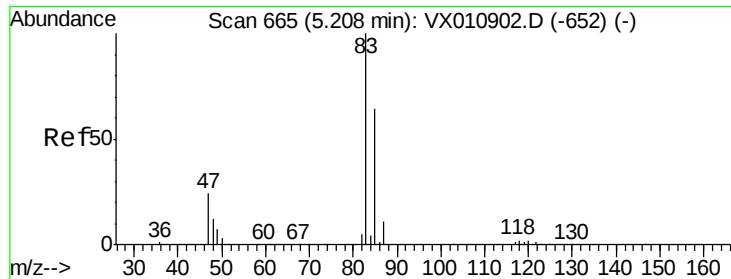


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

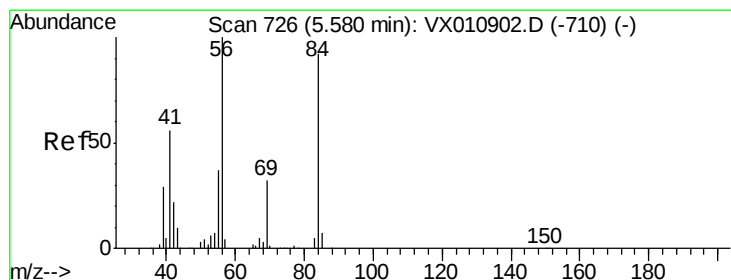
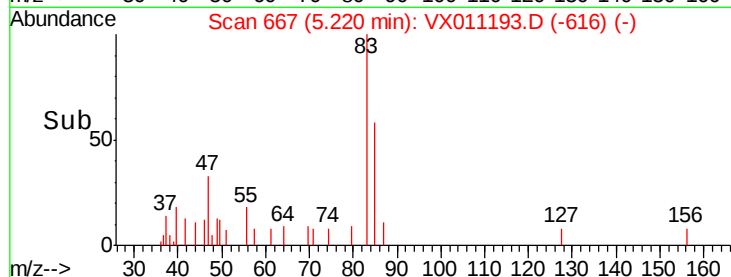
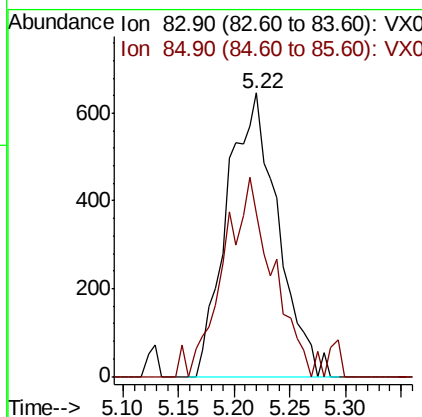
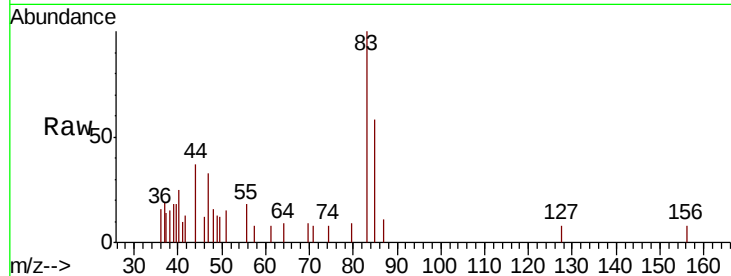




#30
Chloroform
Concen: 0.546 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX011193.D
Acq: 30 Jul 2019 14:33

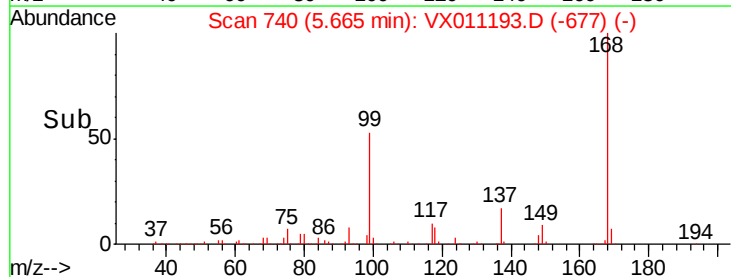
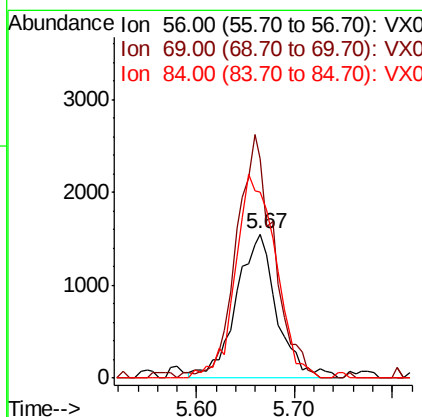
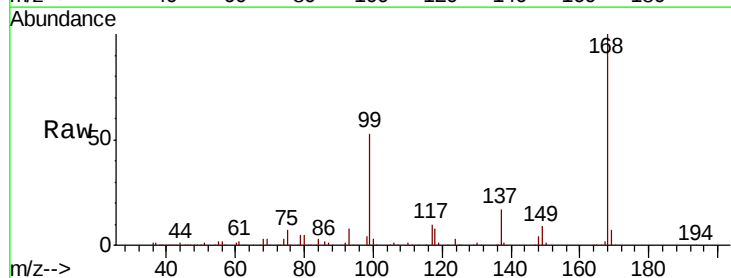
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-318-320

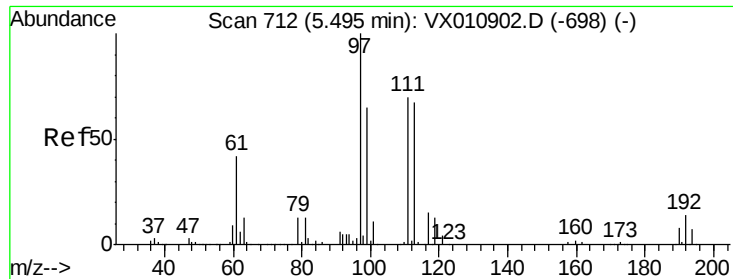
Tgt Ion: 83 Resp: 2050
Ion Ratio Lower Upper
83 100
85 57.6 51.4 77.0



#31
Cyclohexane
Concen: 1.415 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX011193.D
Acq: 30 Jul 2019 14:33

Tgt Ion: 56 Resp: 4479
Ion Ratio Lower Upper
56 100
69 152.5 25.8 38.8#
84 129.6 73.8 110.6#





#32

1,1,1-Trichloroethane

Concen: 0.868 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX011193.D

Acq: 30 Jul 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-318-320

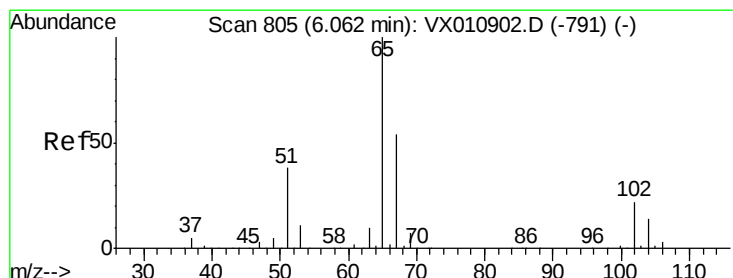
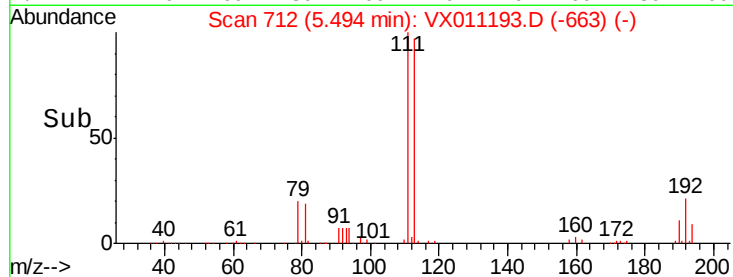
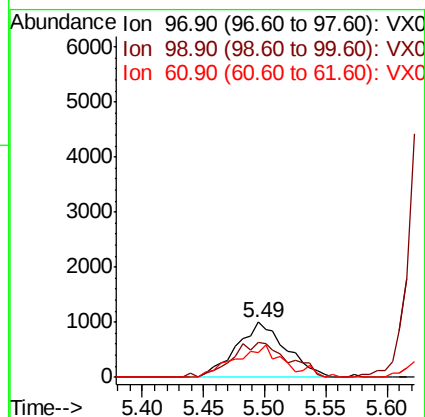
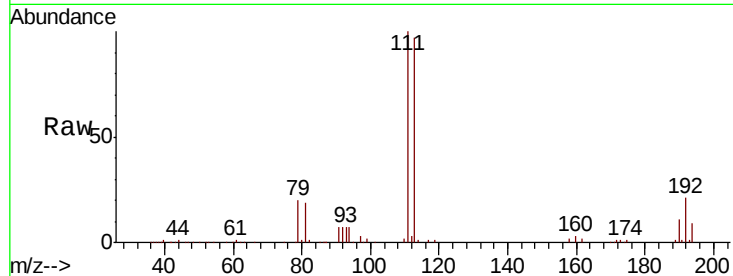
Tgt Ion: 97 Resp: 2818

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

61 59.0 33.0 49.6#



#33

1,2-Dichloroethane-d4

Concen: 47.412 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011193.D

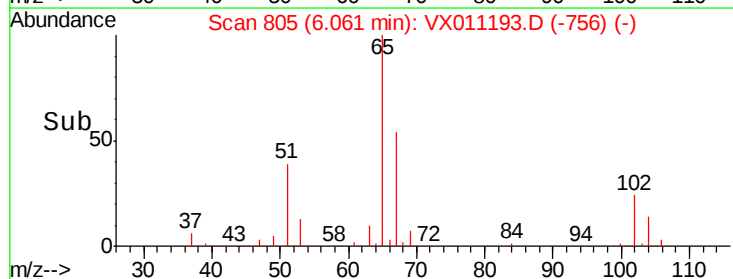
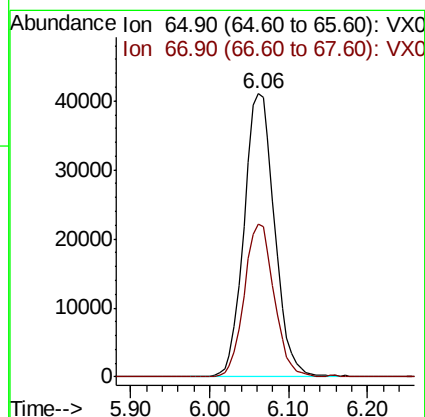
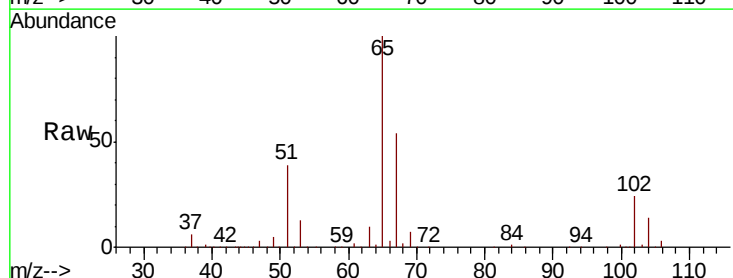
Acq: 30 Jul 2019 14:33

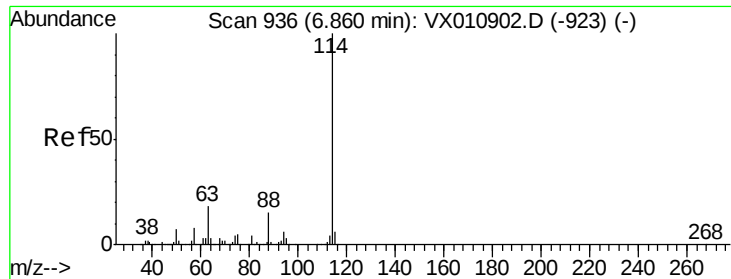
Tgt Ion: 65 Resp: 110536

Ion Ratio Lower Upper

65 100

67 52.8 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX011193.D

Acq: 30 Jul 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-318-320

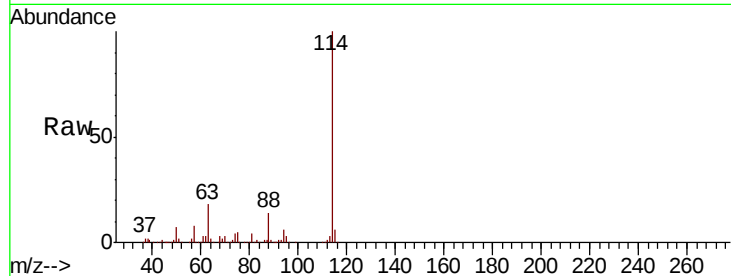
Tgt Ion:114 Resp: 321055

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.6

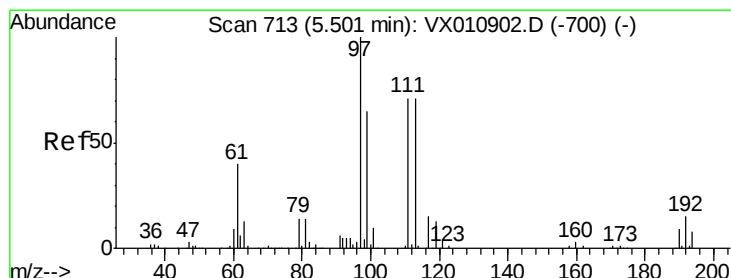
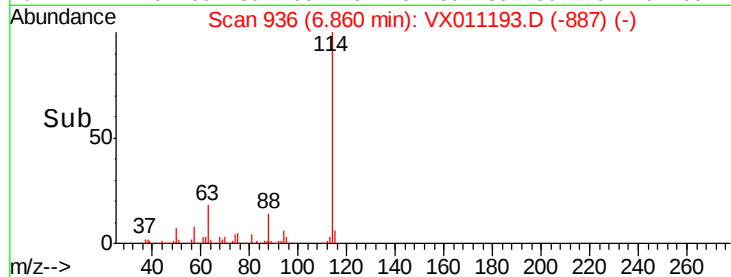
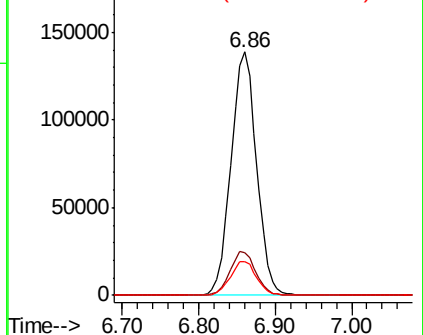
88 14.1 0.0 29.8



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: 47.020 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011193.D

Acq: 30 Jul 2019 14:33

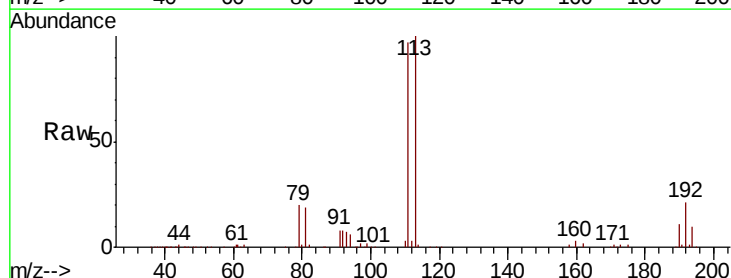
Tgt Ion:113 Resp: 95817

Ion Ratio Lower Upper

113 100

111 102.1 82.3 123.5

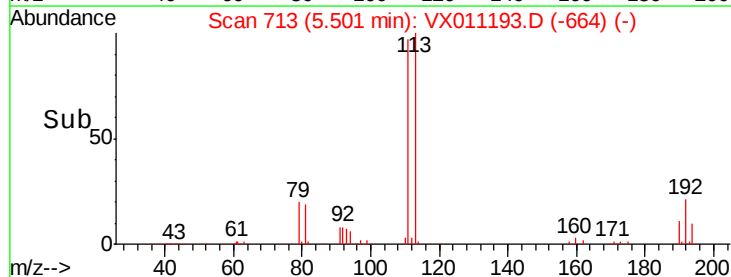
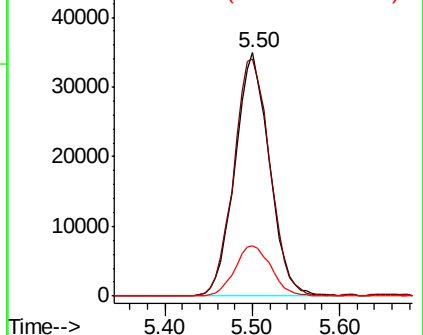
192 21.7 17.4 26.2

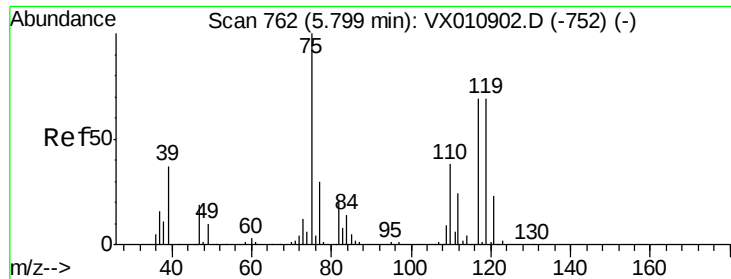


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

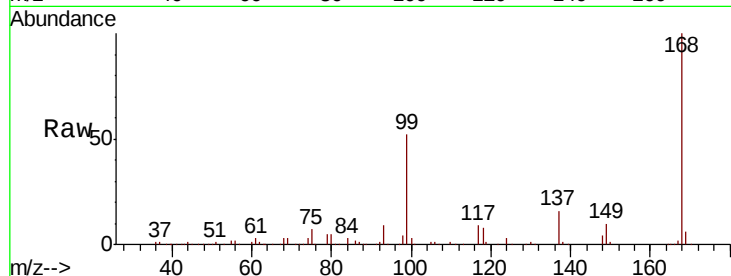




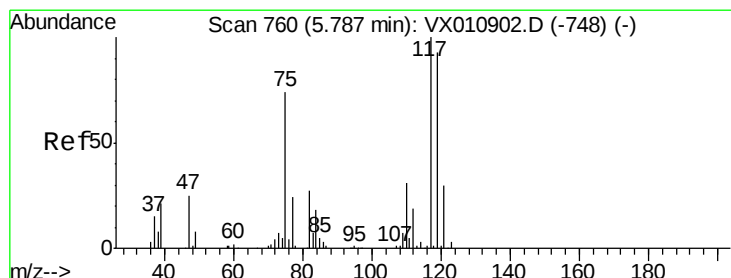
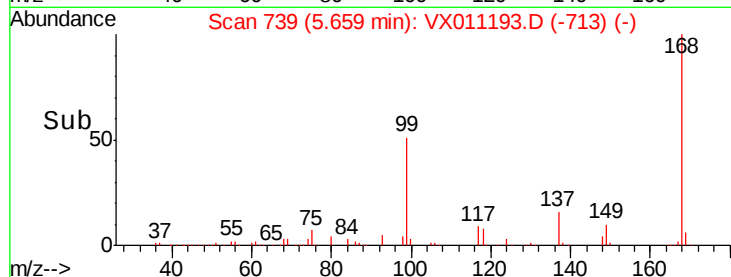
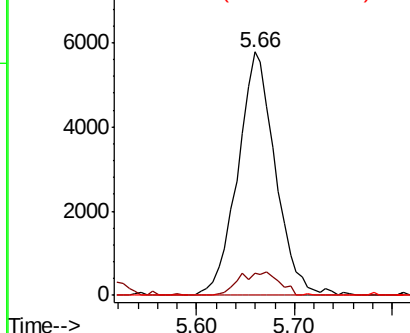
#36
 1,1-Dichloropropene
 Concen: 5.828 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX011193.D
 Acq: 30 Jul 2019 14:33

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-GW-318-320

Tgt Ion: 75 Resp: 15370
 Ion Ratio Lower Upper
 75 100
 110 10.2 19.9 59.7#
 77 0.0 25.0 37.4#

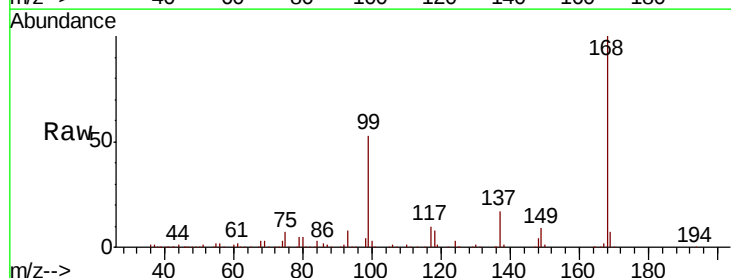


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

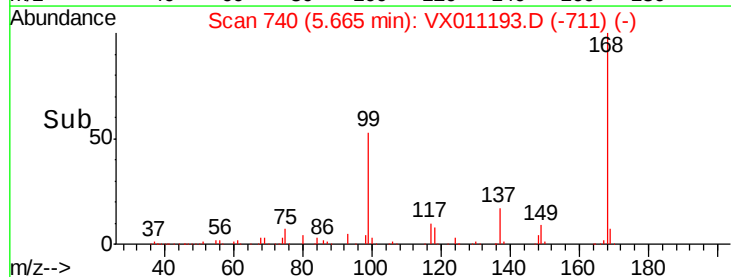
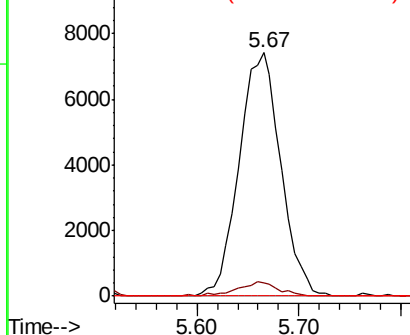


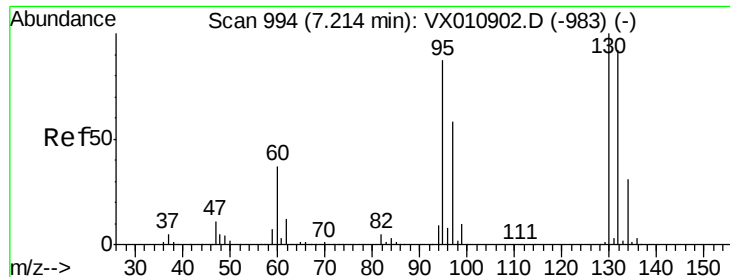
#38
 Carbon Tetrachloride
 Concen: 7.645 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX011193.D
 Acq: 30 Jul 2019 14:33

Tgt Ion: 117 Resp: 21009
 Ion Ratio Lower Upper
 117 100
 119 5.2 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

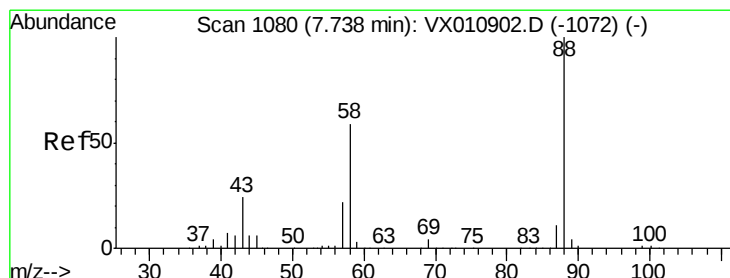
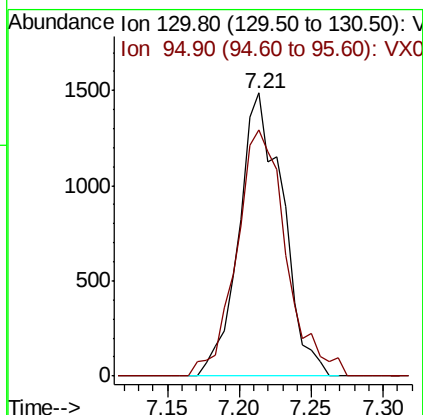
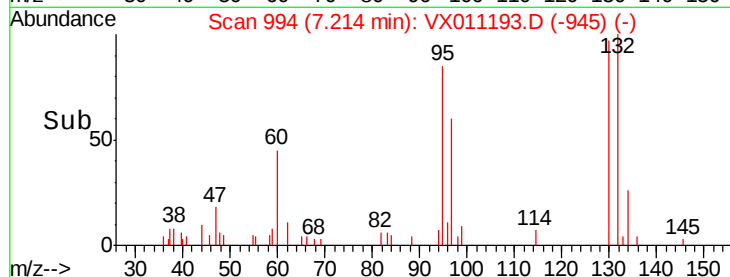
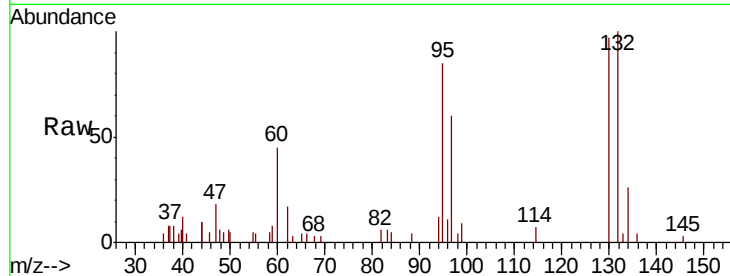




#44
 Trichloroethene
 Concen: 1.312 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX011193.D
 Acq: 30 Jul 2019 14:33

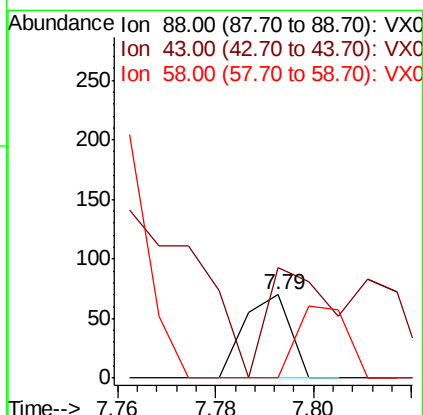
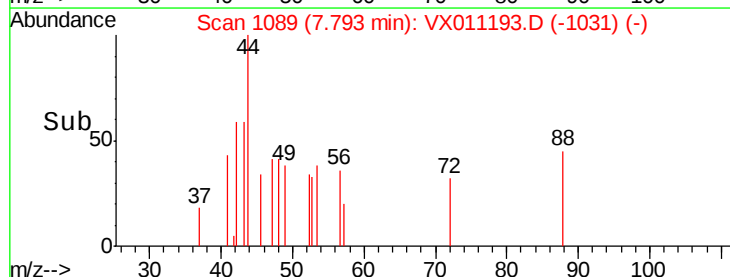
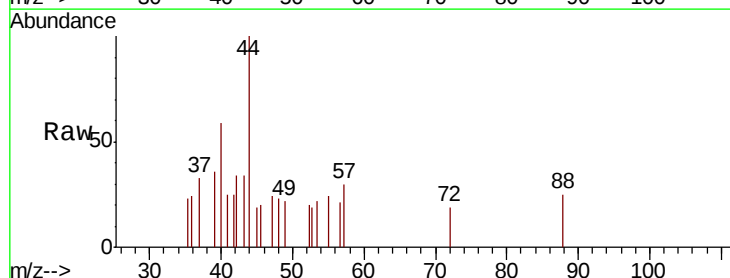
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-GW-318-320

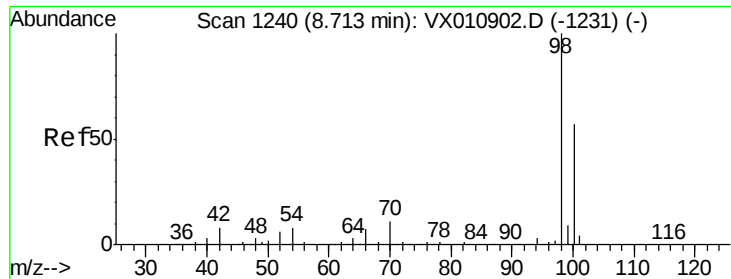
Tgt Ion: 130 Resp: 3138
 Ion Ratio Lower Upper
 130 100
 95 87.2 0.0 174.8



#49
 1,4-Dioxane
 Concen: 0.760 ug/l
 RT: 7.79 min Scan# 1089
 Delta R.T. 0.05 min
 Lab File: VX011193.D
 Acq: 30 Jul 2019 14:33

Tgt Ion: 88 Resp: 46
 Ion Ratio Lower Upper
 88 100
 43 302.2 22.9 34.3#
 58 93.5 49.8 74.8#

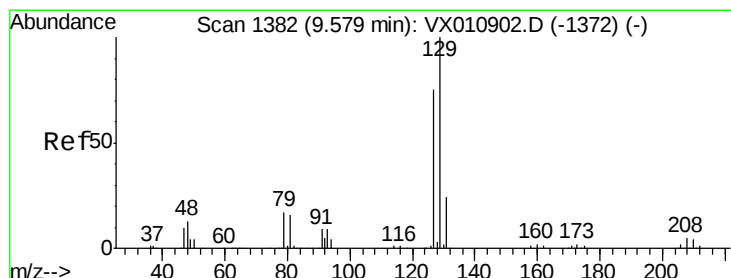
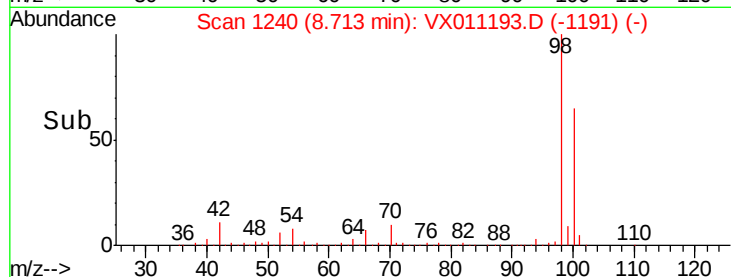
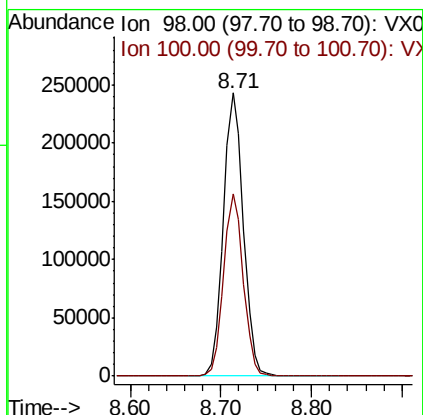
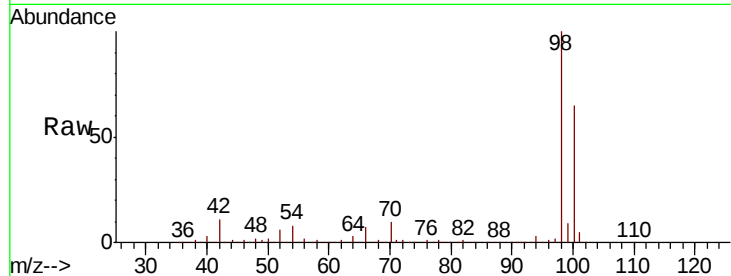




#50
Toluene-d8
Concen: 48.815 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011193.D
Acq: 30 Jul 2019 14:33

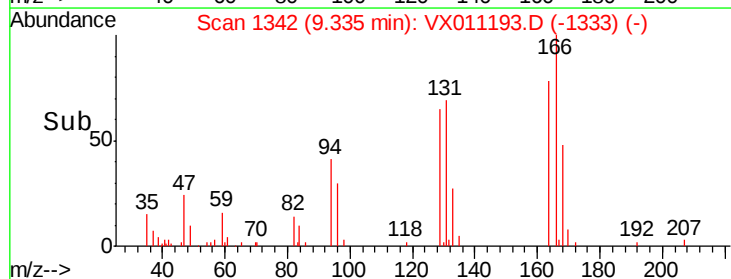
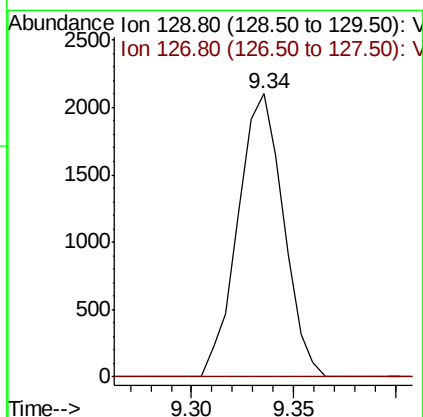
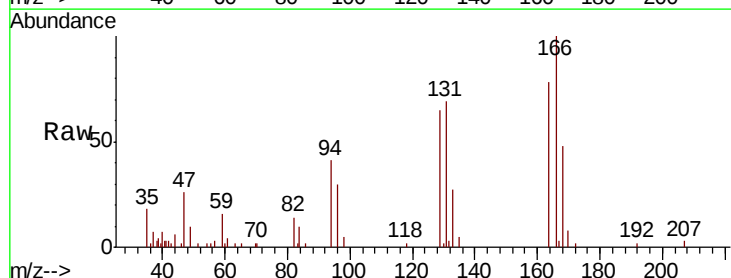
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-318-320

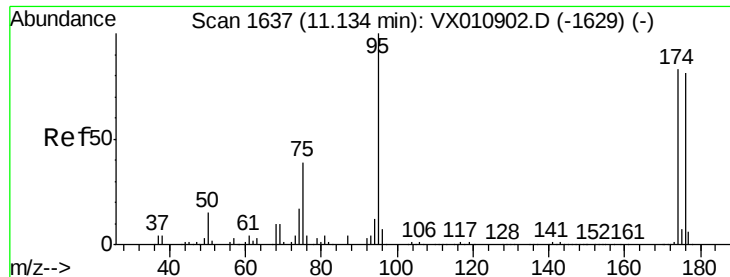
Tgt Ion: 98 Resp: 373093
Ion Ratio Lower Upper
98 100
100 63.6 50.6 75.8



#60
Dibromochloromethane
Concen: 3.757 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX011193.D
Acq: 30 Jul 2019 14:33

Tgt Ion: 129 Resp: 3256
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: 43.548 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011193.D

Acq: 30 Jul 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-318-320

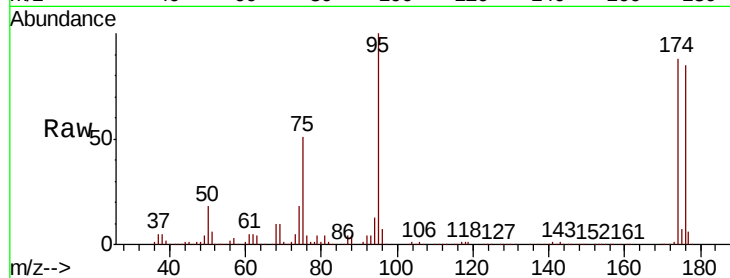
Tgt Ion: 95 Resp: 122342

Ion Ratio Lower Upper

95 100

174 91.6 0.0 180.6

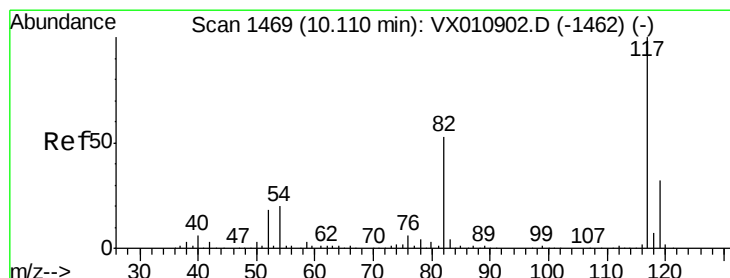
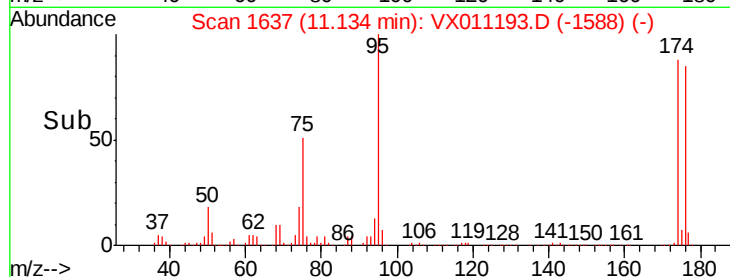
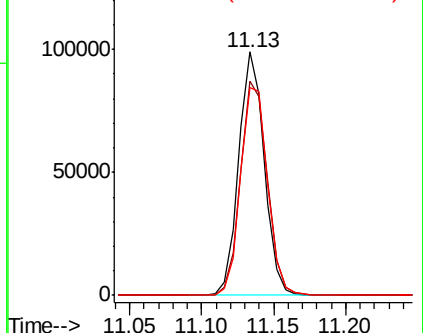
176 90.1 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX011193.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX011193.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX011193.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011193.D

Acq: 30 Jul 2019 14:33

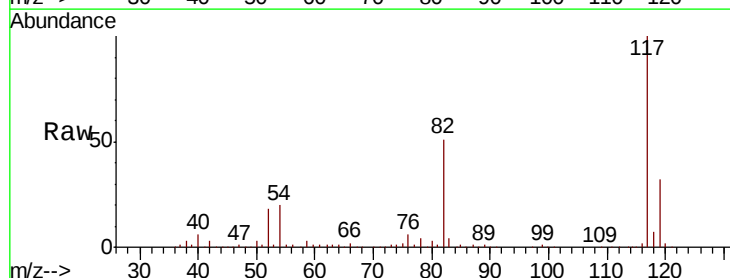
Tgt Ion: 117 Resp: 284749

Ion Ratio Lower Upper

117 100

82 51.3 42.6 63.8

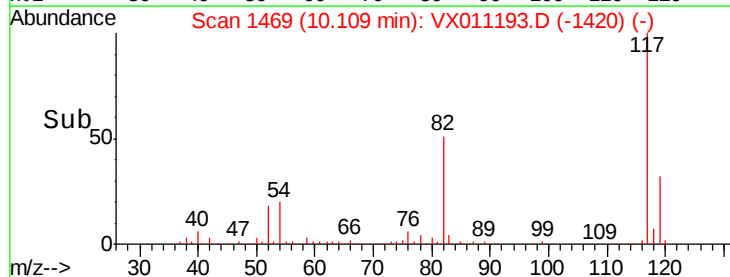
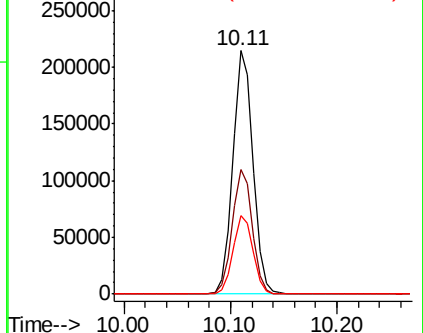
119 32.2 25.9 38.9

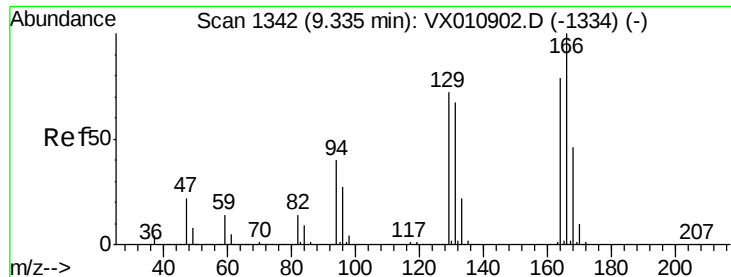


Abundance Ion 116.90 (116.60 to 117.60): VX011193.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX011193.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX011193.D (-1420) (-)





#64

Tetrachloroethene

Concen: 1.675 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX011193.D

Acq: 30 Jul 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-318-320

Tgt Ion:164 Resp: 3753

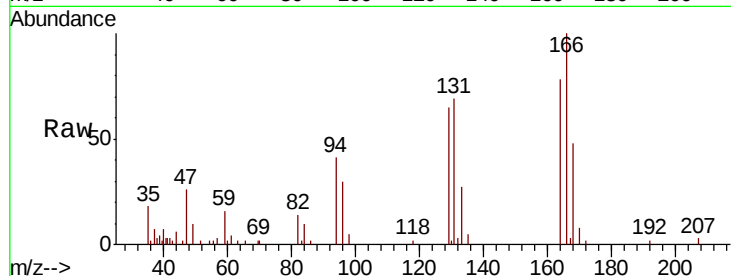
Ion Ratio Lower Upper

164 100

166 127.4 100.8 151.2

129 82.9 72.6 109.0

131 87.3 67.7 101.5

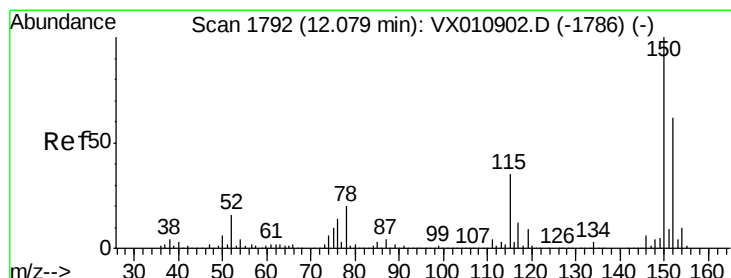
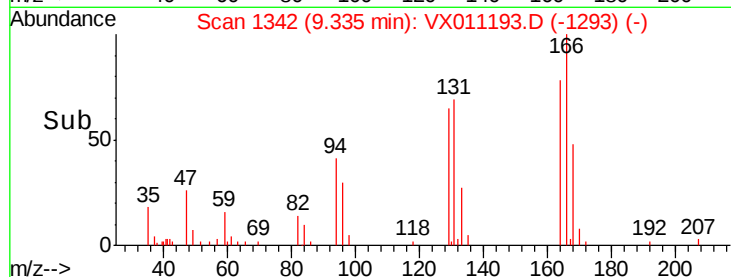
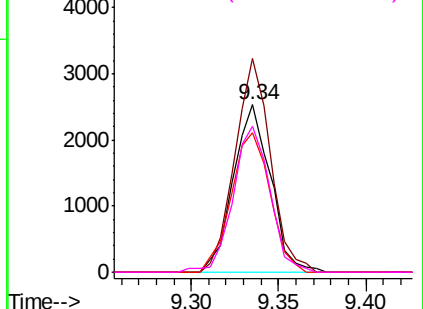


Abundance Ion 163.80 (163.50 to 164.50): V

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011193.D

Acq: 30 Jul 2019 14:33

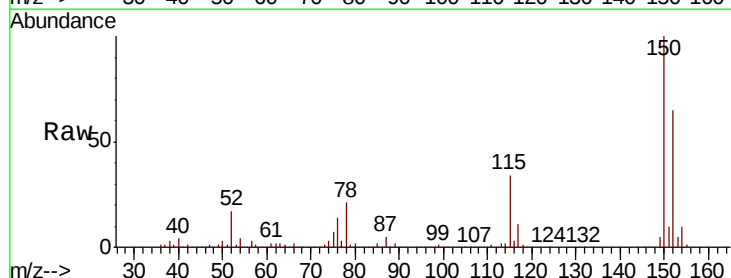
Tgt Ion:152 Resp: 131704

Ion Ratio Lower Upper

152 100

115 55.9 39.7 119.1

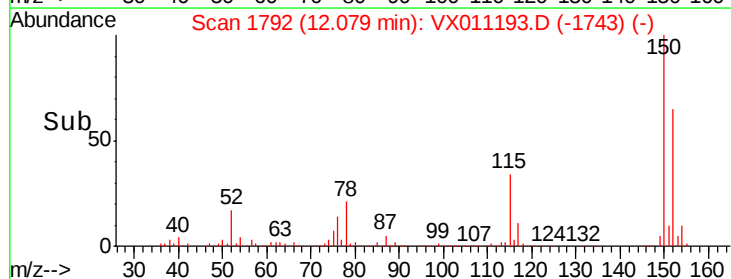
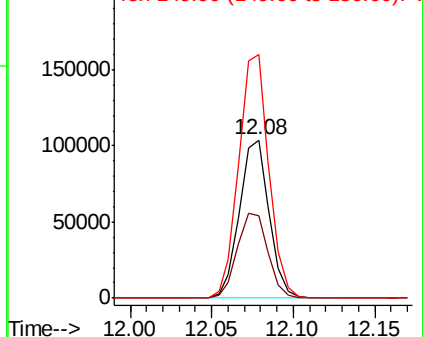
150 156.7 0.0 345.6

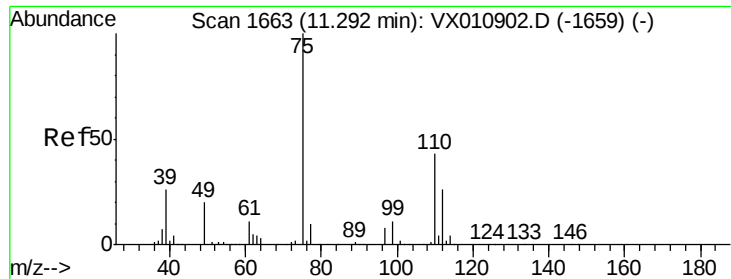


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

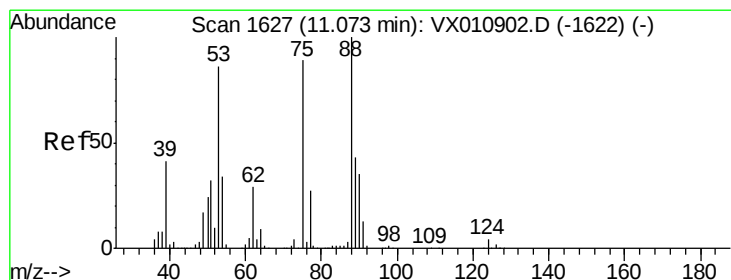
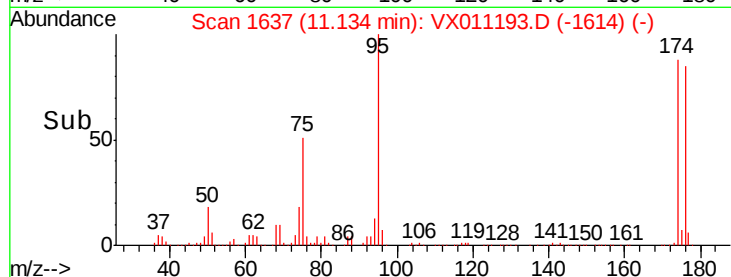
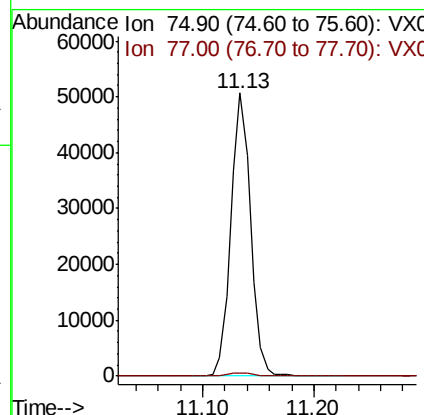
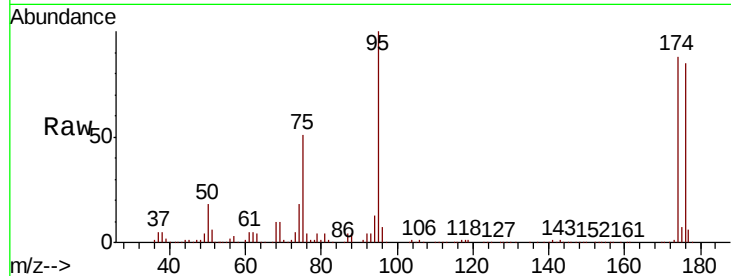




#76
 1,2,3-Trichloropropane
 Concen: 26.113 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011193.D
 Acq: 30 Jul 2019 14:33

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-GW-318-320

Tgt Ion: 75 Resp: 62061
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.3 64.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.872 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011193.D
 Acq: 30 Jul 2019 14:33

Tgt Ion: 75 Resp: 62061
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.7 115.1#
 89 0.0 38.5 57.7#

