

Data File : VX011298.D
Acq On : 02 Aug 2019 12:36
Operator : JC/SP
Sample : K4043-15
Misc : 5.00g/10mL/100uL/10mL/MSVOA_X/MEOH
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Aug 03 05:41:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	154401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	243961	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	214242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	101383	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	77794	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
35) Dibromofluoromethane	5.49	113	69885	43.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.76%	
50) Toluene-d8	8.71	98	288803	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
62) 4-Bromofluorobenzene	11.13	95	90390	42.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.22%	

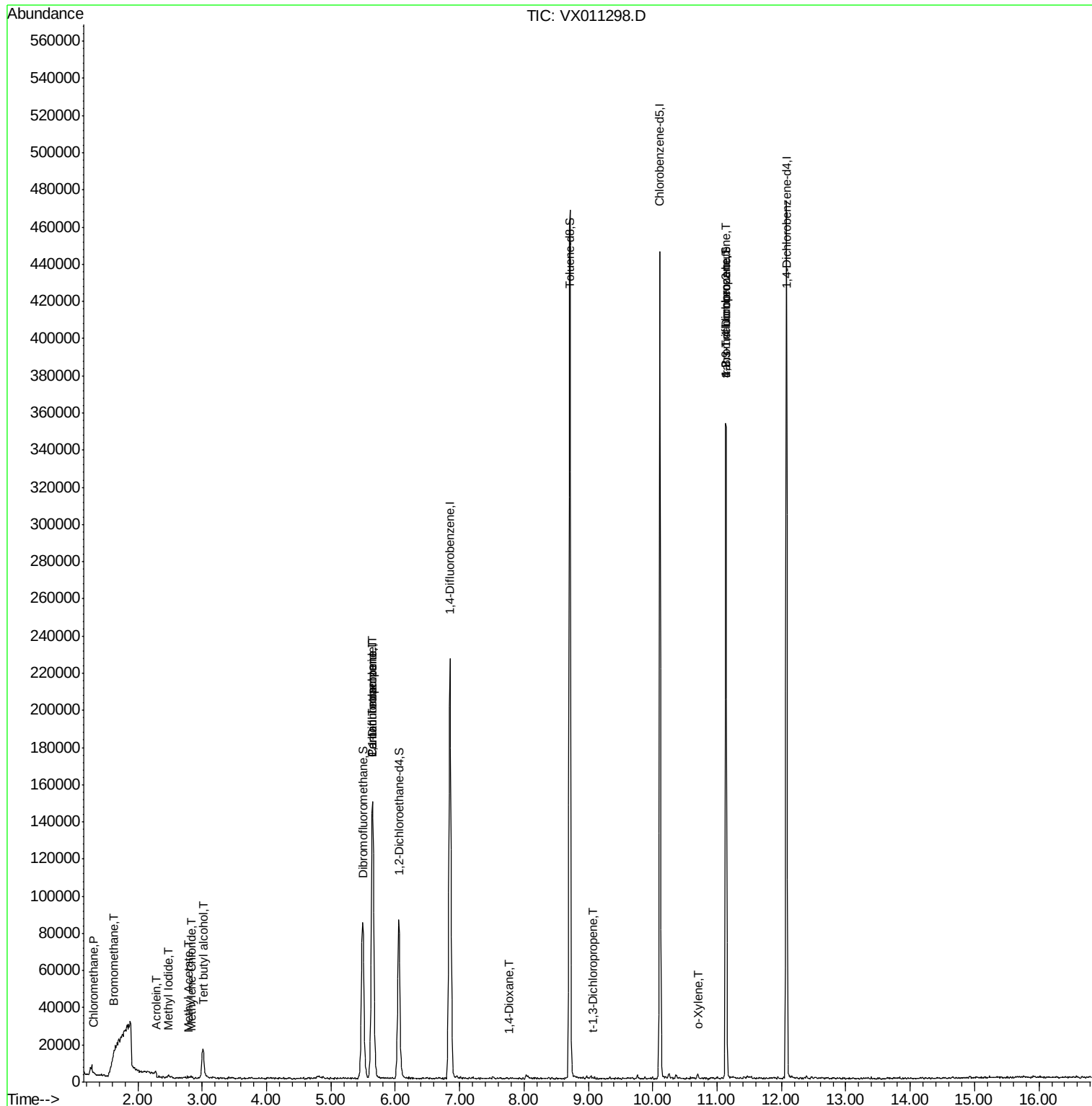
Target Compounds			Qvalue			
3) Chloromethane	1.31	50	466	0.348 ug/l #		42
5) Bromomethane	1.63	94	1001	0.953 ug/l		82
6) Chloroethane	1.69	64	74	Below Cal #		6
10) Methyl Iodide	2.48	142	871	0.487 ug/l		92
11) Tert butyl alcohol	3.01	59	9398	30.330 ug/l #		81
13) Acrolein	2.29	56	181	0.518 ug/l #		39
18) Methyl Acetate	2.78	43	800	0.473 ug/l		100
20) Methylene Chloride	2.82	84	417	0.257 ug/l #		68
36) 1,1-Dichloropropene	5.64	75	9701	4.554 ug/l #		49
38) Carbon Tetrachloride	5.65	117	14049	6.556 ug/l #		16
49) 1,4-Dioxane	7.76	88	21	0.451 ug/l #		1
53) t-1,3-Dichloropropene	9.06	75	132	2.891 ug/l #		43
69) o-Xylene	10.70	106	629	0.215 ug/l		90
76) 1,2,3-Trichloropropane	11.13	75	44393	24.044 ug/l #		36
81) trans-1,4-Dichloro-2-buten	11.13	75	44393	62.918 ug/l #		10

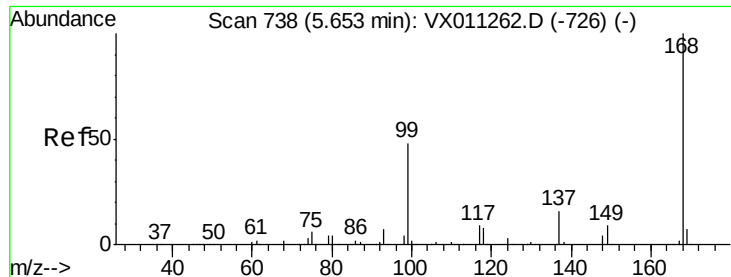
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.01 min

Lab File: VX011298.D

Acq: 02 Aug 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

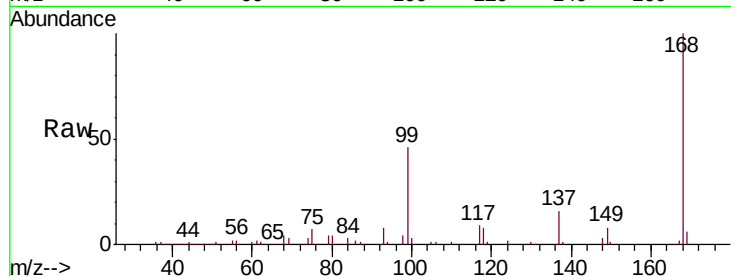
BP-VPB203-GW-418-420

Tgt Ion:168 Resp: 154401

Ion Ratio Lower Upper

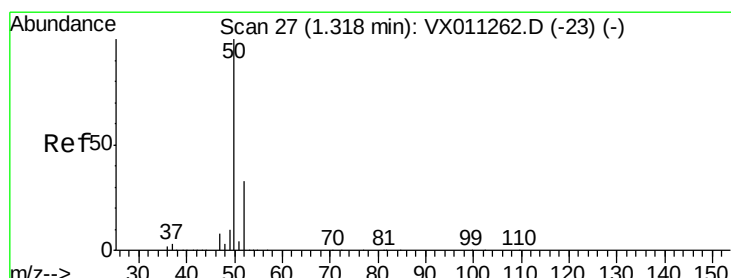
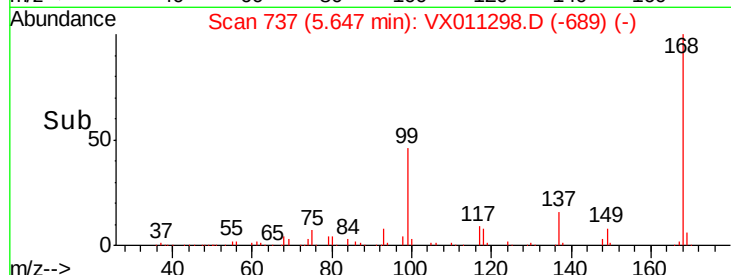
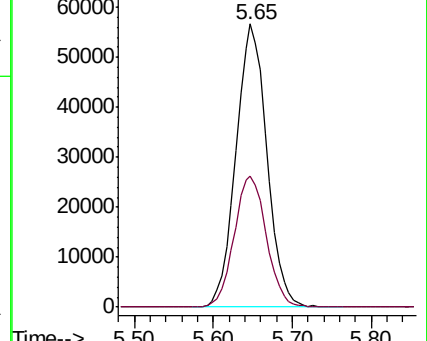
168 100

99 46.1 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.348 ug/l

RT: 1.31 min Scan# 26

Delta R.T. -0.01 min

Lab File: VX011298.D

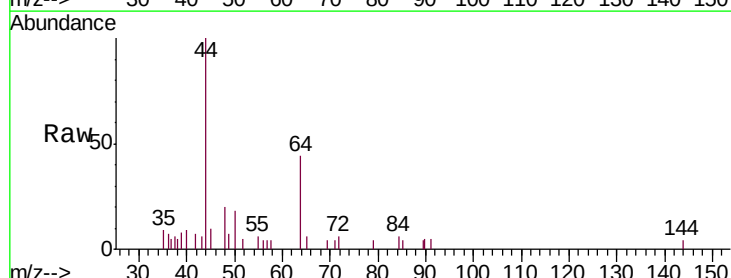
Acq: 02 Aug 2019 12:36

Tgt Ion: 50 Resp: 466

Ion Ratio Lower Upper

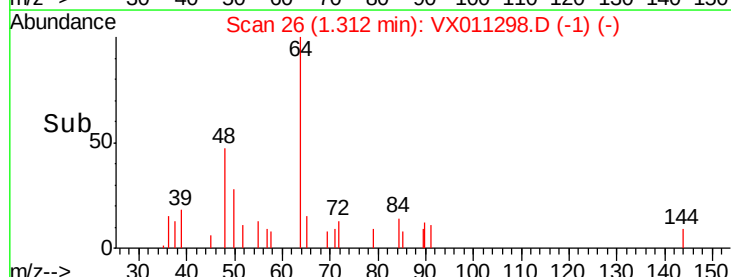
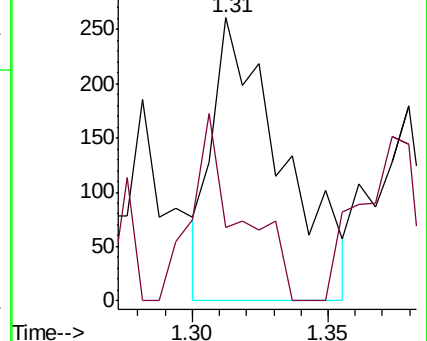
50 100

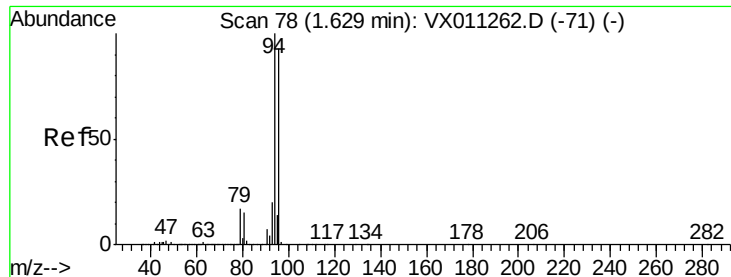
52 0.0 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.953 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011298.D

Acq: 02 Aug 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

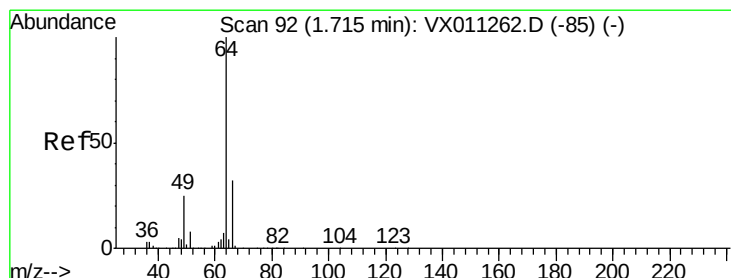
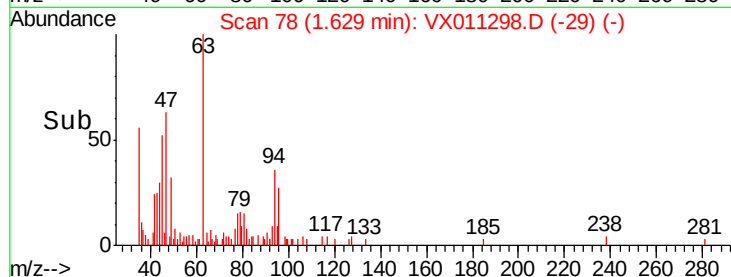
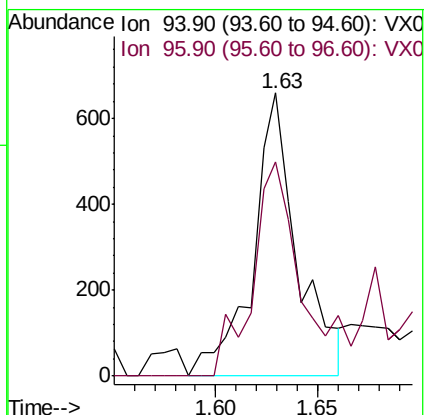
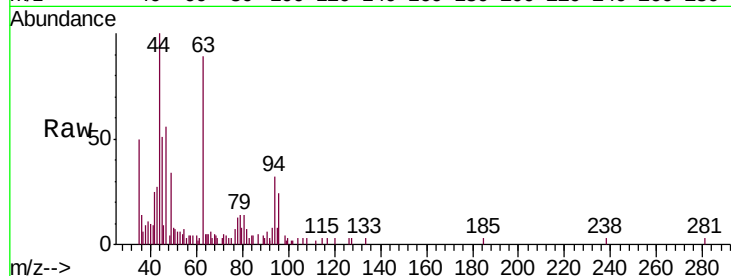
BP-VPB203-GW-418-420

Tgt Ion: 94 Resp: 1001

Ion Ratio Lower Upper

94 100

96 75.7 74.6 112.0



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

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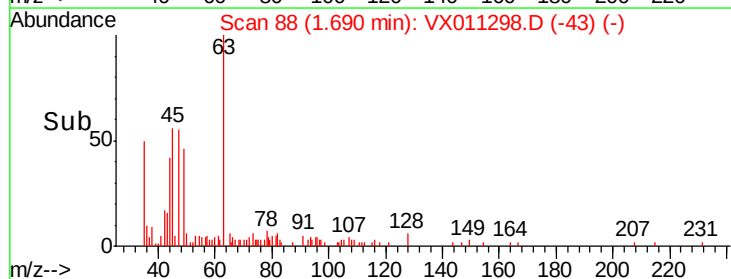
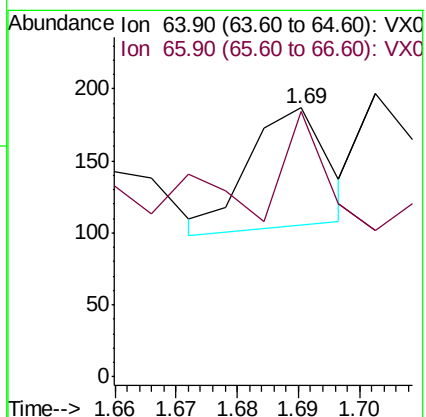
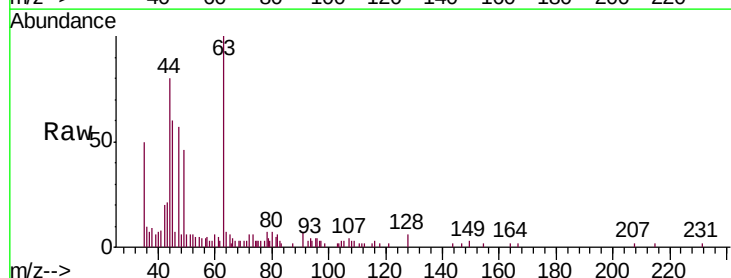
Acq: 02 Aug 2019 12:36

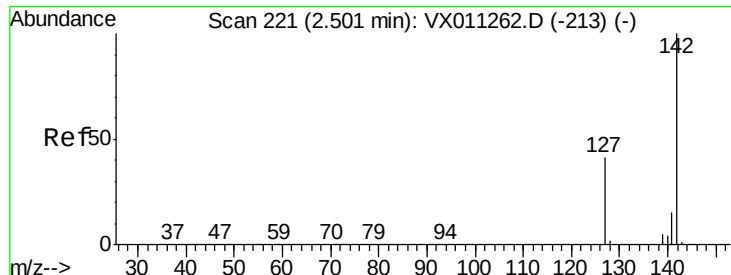
Tgt Ion: 64 Resp: 74

Ion Ratio Lower Upper

64 100

66 83.1 25.1 37.7#

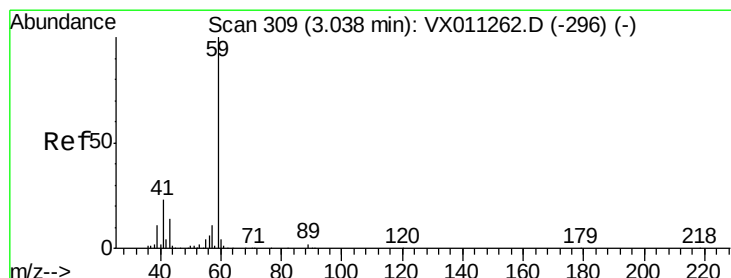
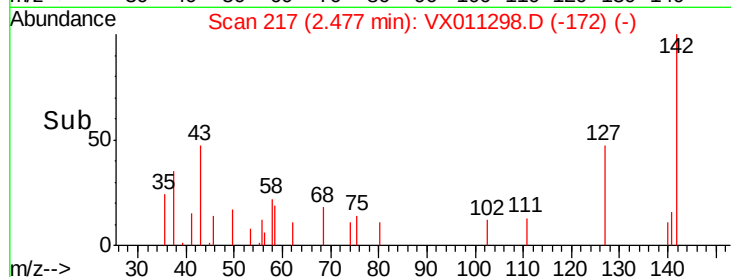
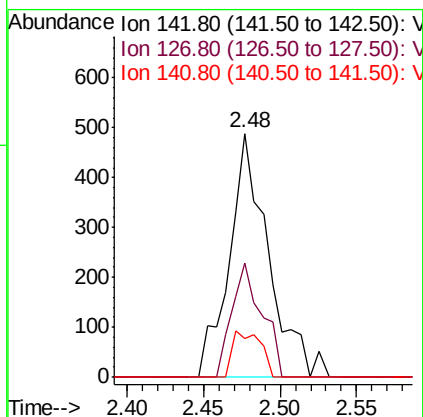
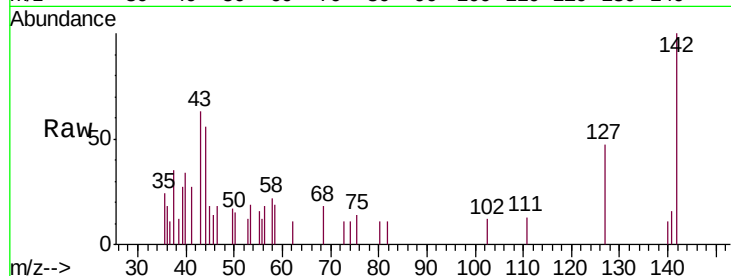




#10
Methyl Iodide
Concen: 0.487 ug/l
RT: 2.48 min Scan# 217
Delta R.T. -0.02 min
Lab File: VX011298.D
Acq: 02 Aug 2019 12:36

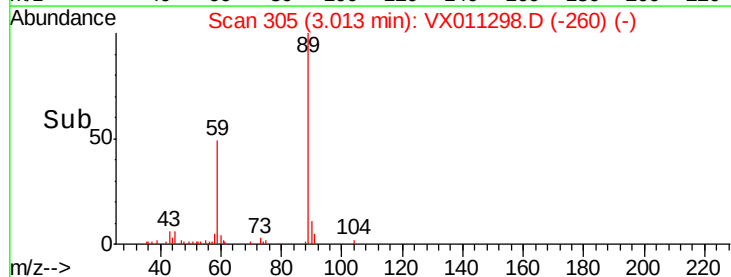
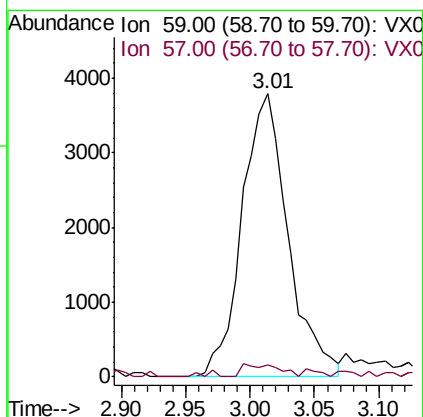
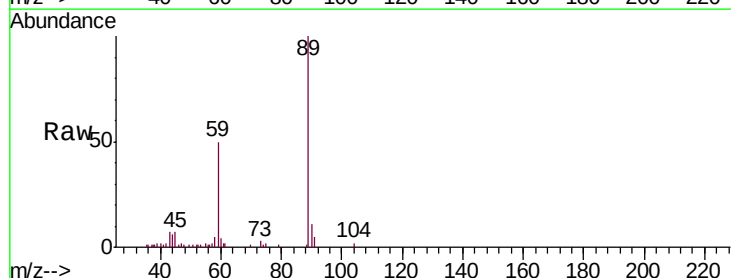
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-418-420

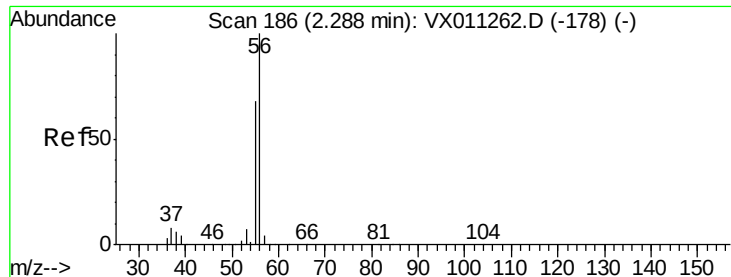
Tgt Ion: 142 Resp: 871
Ion Ratio Lower Upper
142 100
127 35.9 33.8 50.8
141 13.3 11.4 17.2



#11
Tert butyl alcohol
Concen: 30.330 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.02 min
Lab File: VX011298.D
Acq: 02 Aug 2019 12:36

Tgt Ion: 59 Resp: 9398
Ion Ratio Lower Upper
59 100
57 3.4 8.3 12.5#

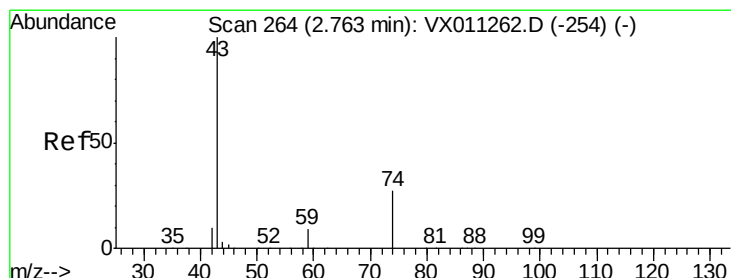
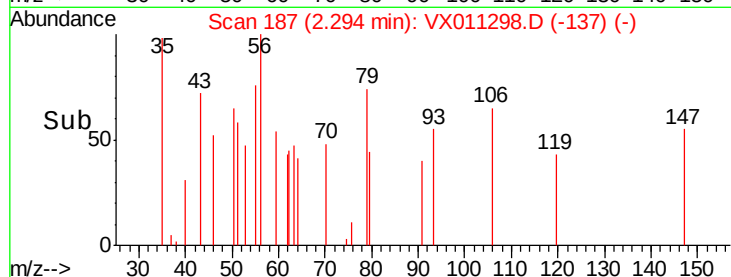
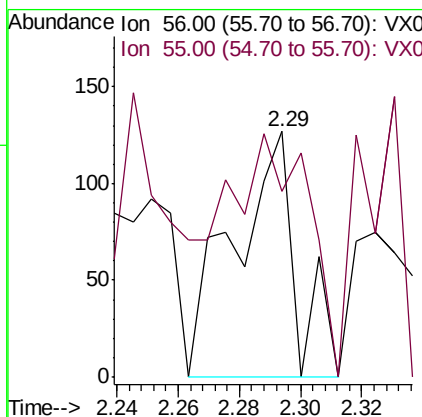
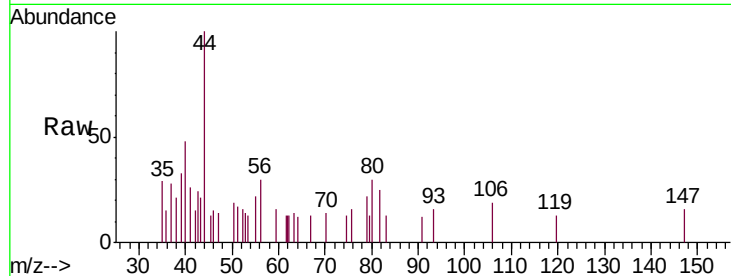




#13
Acrolein
Concen: 0.518 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.01 min
Lab File: VX011298.D
Acq: 02 Aug 2019 12:36

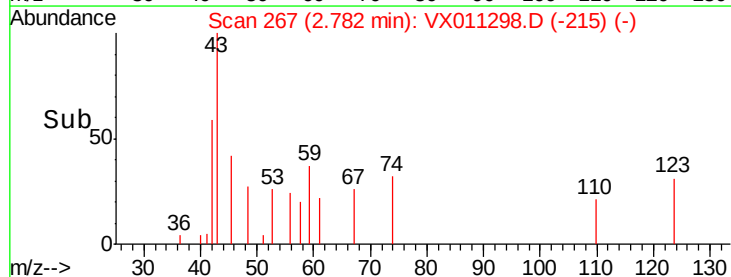
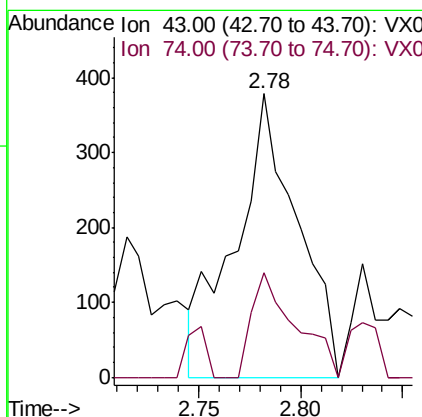
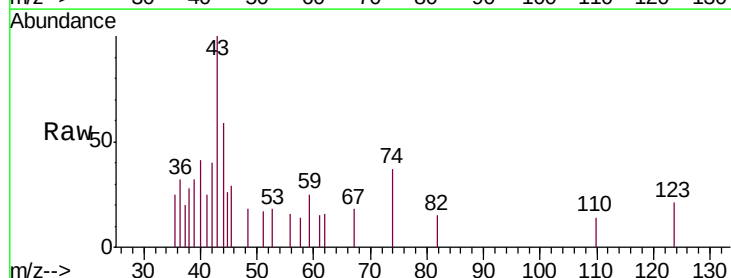
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-418-420

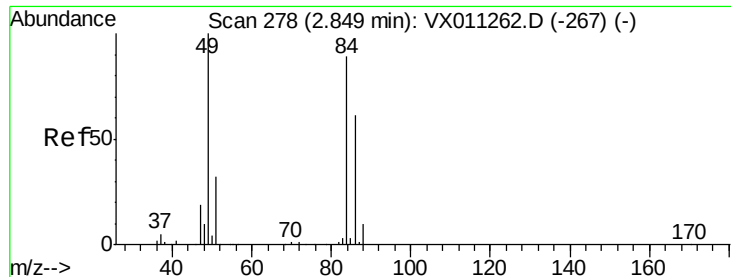
Tgt Ion: 56 Resp: 181
Ion Ratio Lower Upper
56 100
55 120.4 56.0 84.0#



#18
Methyl Acetate
Concen: 0.473 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.02 min
Lab File: VX011298.D
Acq: 02 Aug 2019 12:36

Tgt Ion: 43 Resp: 800
Ion Ratio Lower Upper
43 100
74 26.3 21.0 31.6

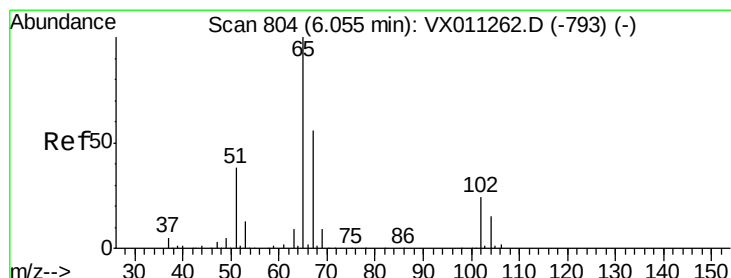
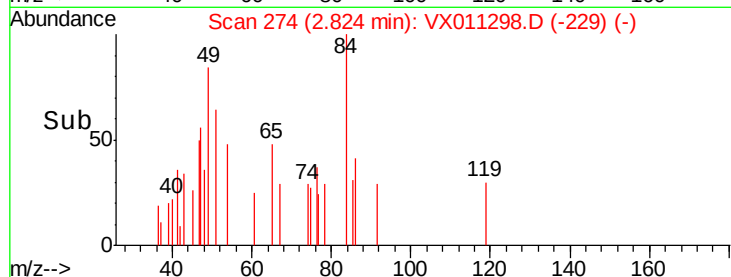
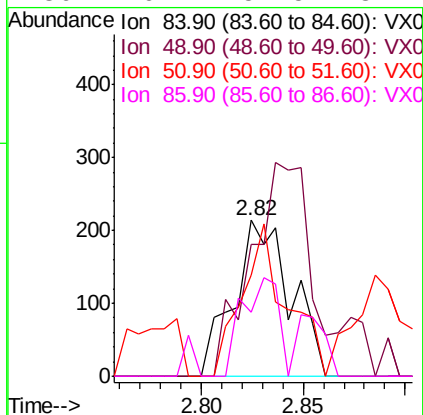
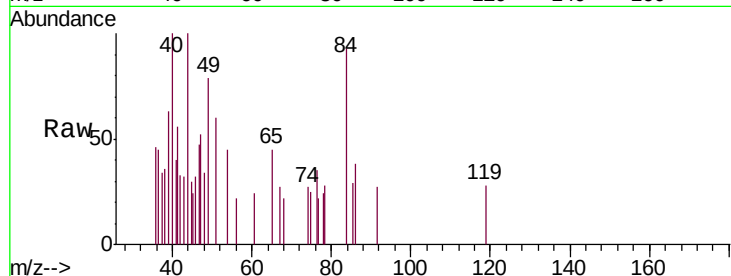




#20
Methylene Chloride
Concen: 0.257 ug/l
RT: 2.82 min Scan# 274
Delta R.T. -0.02 min
Lab File: VX011298.D
Acq: 02 Aug 2019 12:36

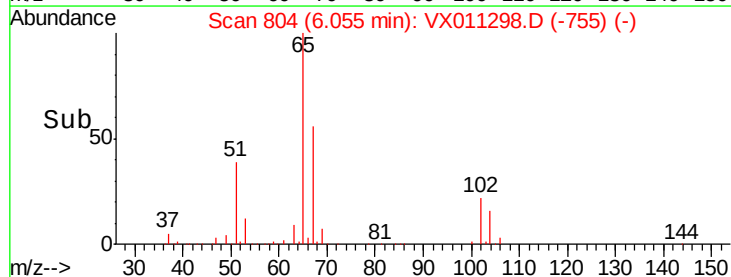
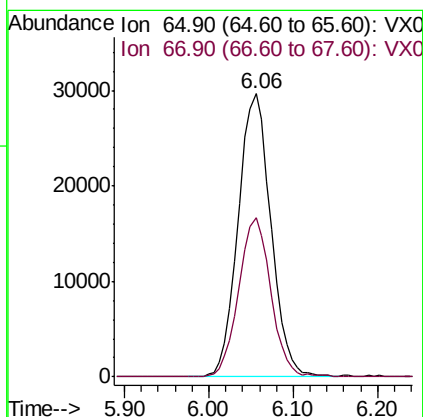
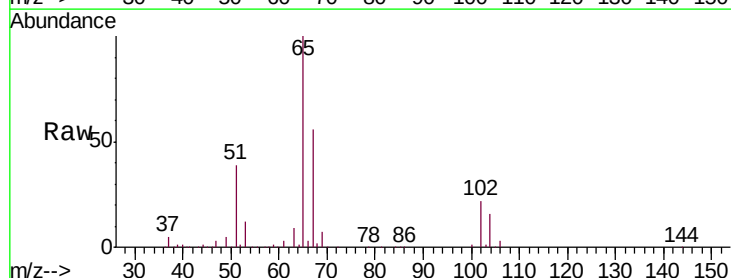
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-418-420

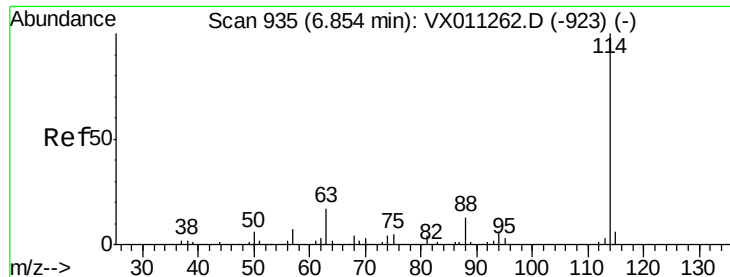
Tgt Ion: 84 Resp: 417
Ion Ratio Lower Upper
84 100
49 84.1 89.3 133.9#
51 64.5 28.3 42.5#
86 40.7 54.5 81.7#



#33
1,2-Dichloroethane-d4
Concen: 50.031 ug/l
RT: 6.06 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX011298.D
Acq: 02 Aug 2019 12:36

Tgt Ion: 65 Resp: 77794
Ion Ratio Lower Upper
65 100
67 55.5 0.0 110.6

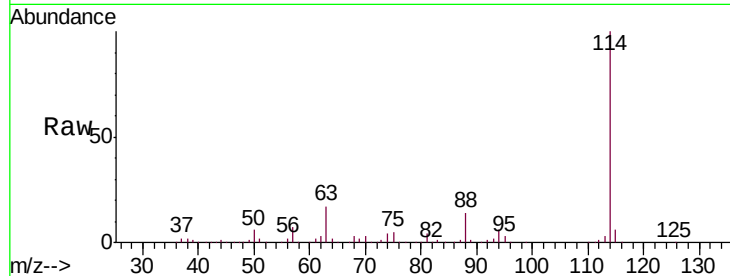




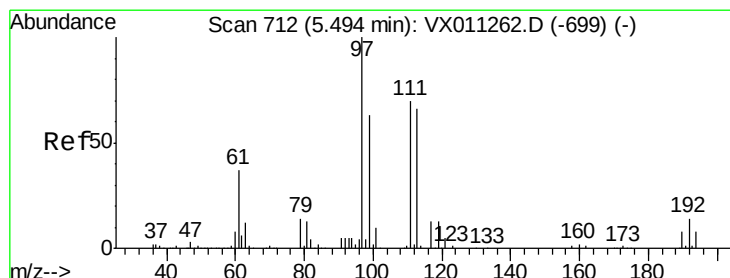
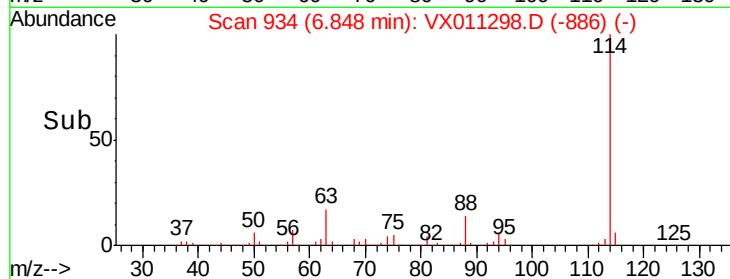
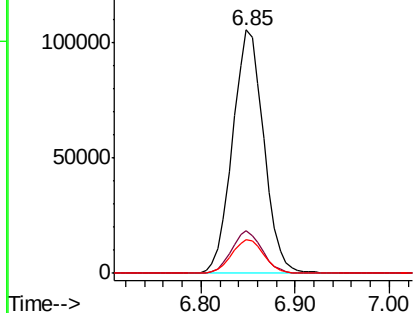
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: VX011298.D
 Acq: 02 Aug 2019 12:36

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

Tgt Ion:114 Resp: 243961
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 34.0
 88 13.9 0.0 26.4

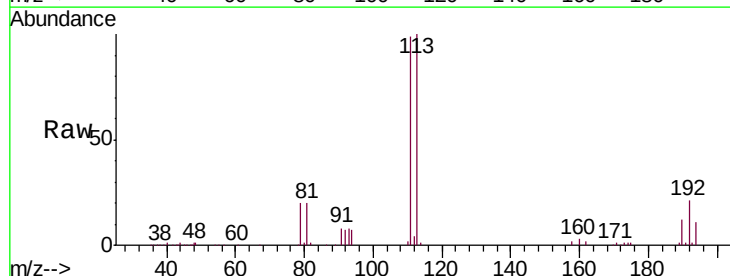


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

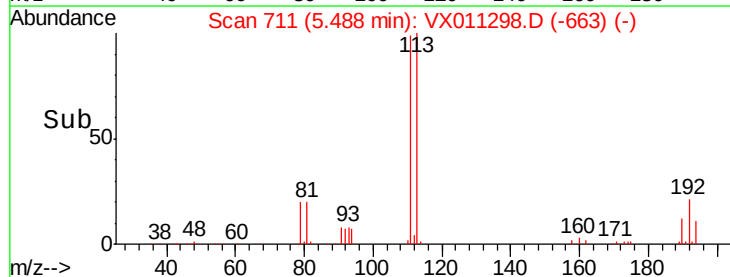
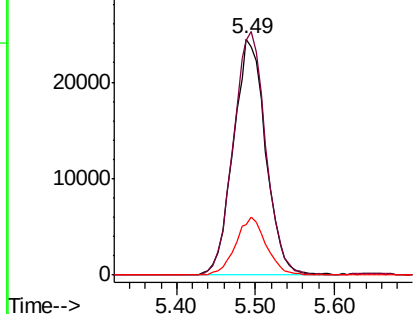


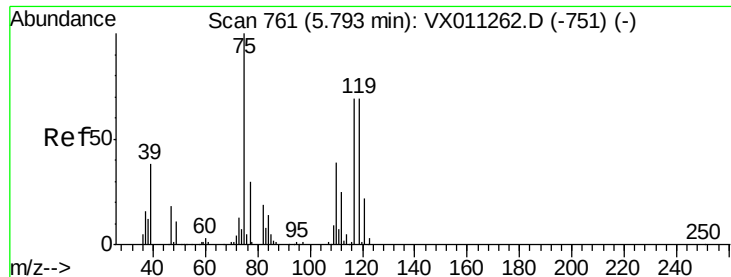
#35
 Dibromofluoromethane
 Concen: 43.876 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011298.D
 Acq: 02 Aug 2019 12:36

Tgt Ion:113 Resp: 69885
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.9 122.9
 192 23.1 17.8 26.8



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

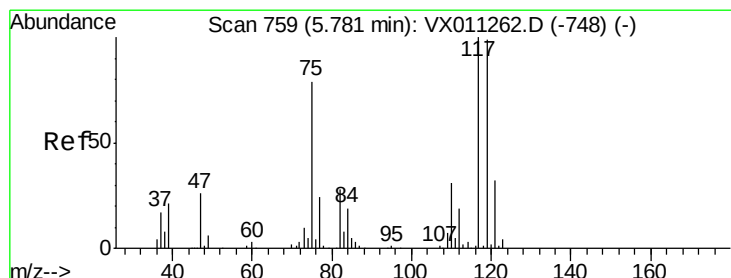
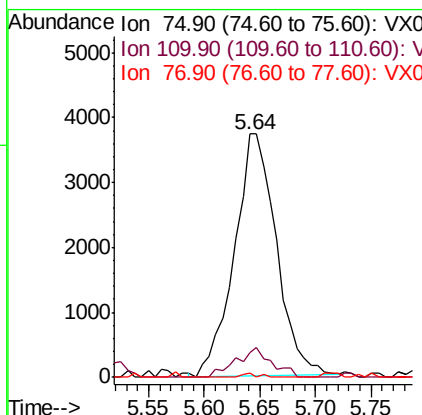
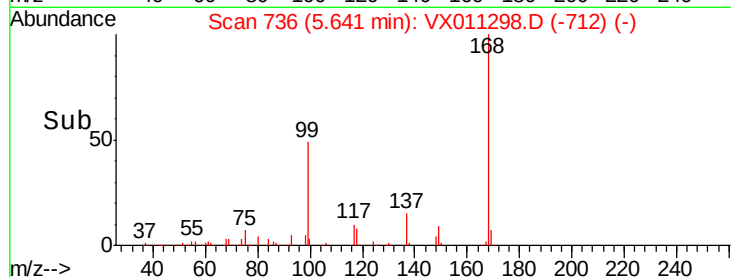
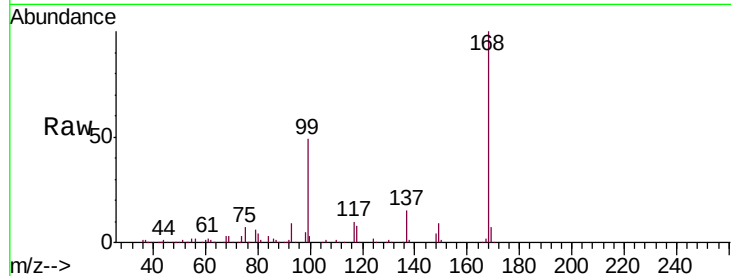




#36
 1,1-Dichloropropene
 Concen: 4.554 ug/l
 RT: 5.64 min Scan# 736
 Delta R.T. -0.15 min
 Lab File: VX011298.D
 Acq: 02 Aug 2019 12:36

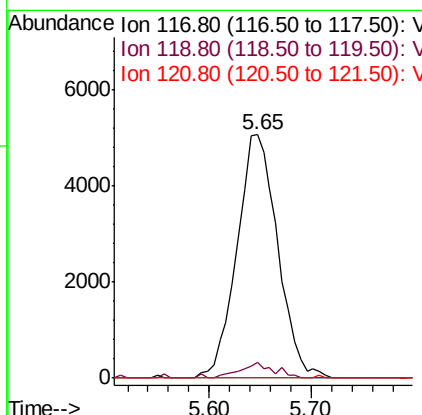
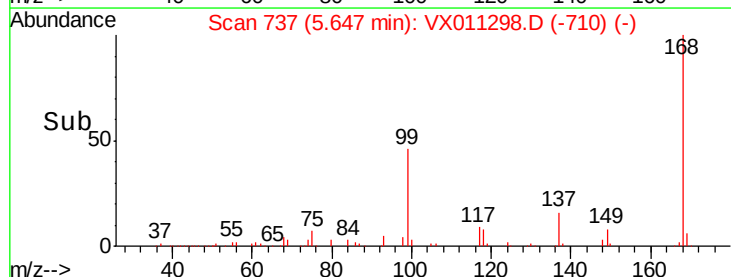
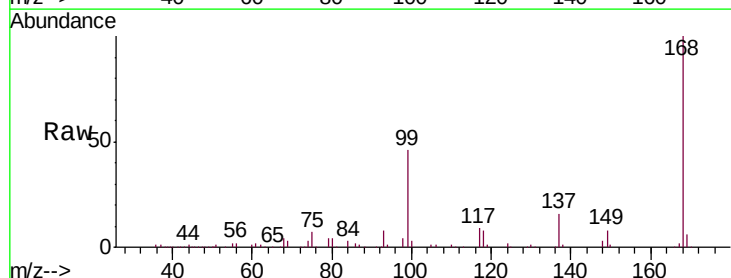
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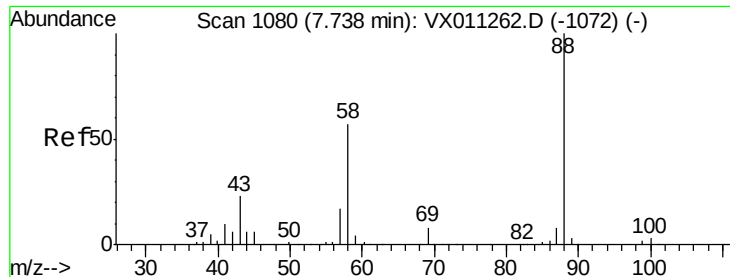
Tgt Ion: 75 Resp: 9701
 Ion Ratio Lower Upper
 75 100
 110 10.3 20.0 59.9#
 77 0.6 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.556 ug/l
 RT: 5.65 min Scan# 737
 Delta R.T. -0.13 min
 Lab File: VX011298.D
 Acq: 02 Aug 2019 12:36

Tgt Ion: 117 Resp: 14049
 Ion Ratio Lower Upper
 117 100
 119 6.3 79.0 118.4#
 121 0.0 25.9 38.9#

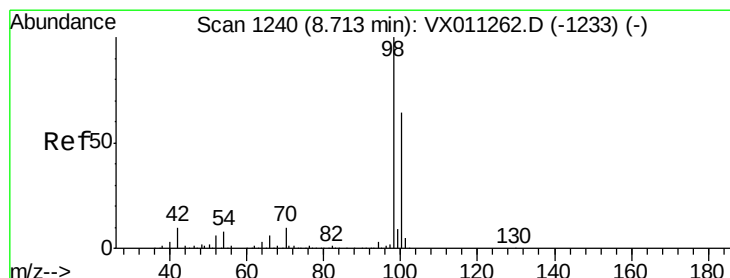
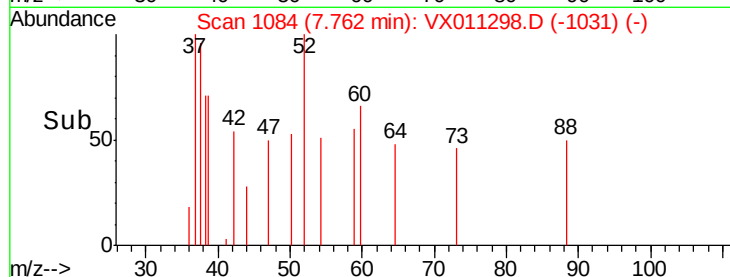
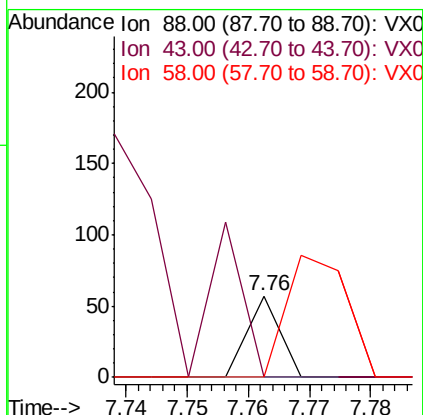
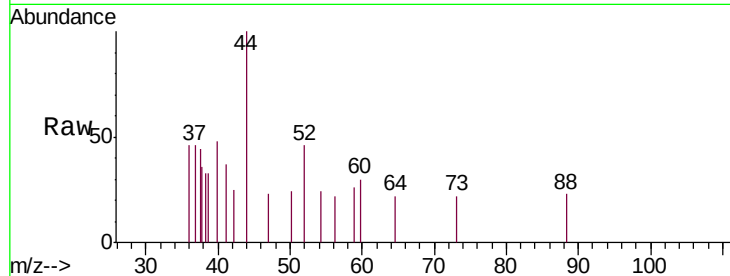




#49
1,4-Dioxane
Concen: 0.451 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.02 min
Lab File: VX011298.D
Acq: 02 Aug 2019 12:36

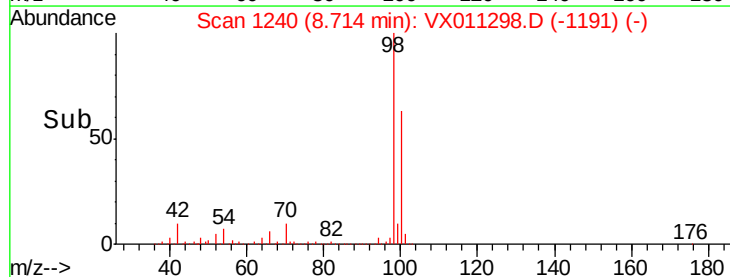
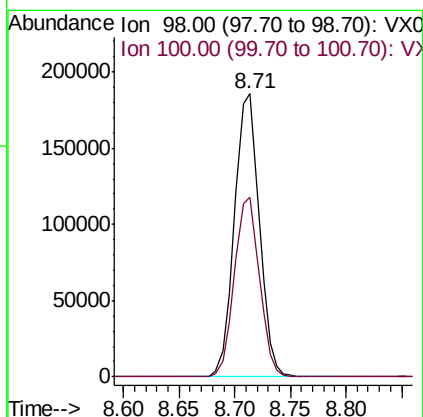
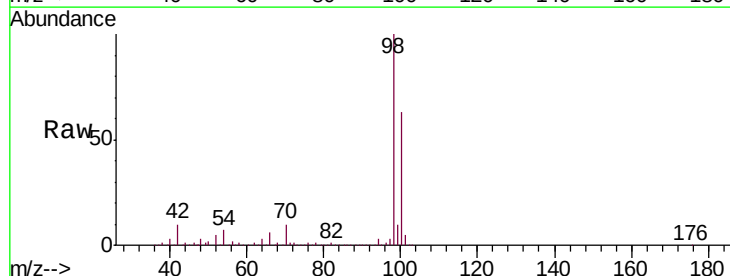
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-418-420

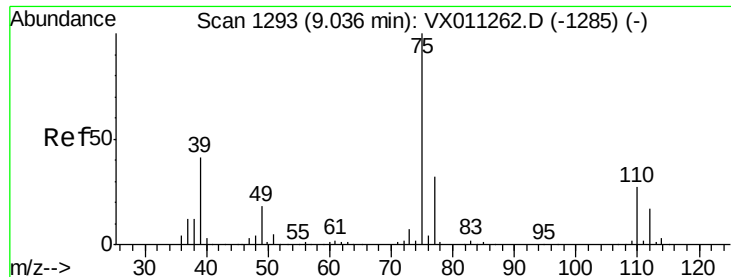
Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.2#
58 281.0 47.8 71.8#



#50
Toluene-d8
Concen: 48.036 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011298.D
Acq: 02 Aug 2019 12:36

Tgt Ion: 98 Resp: 288803
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5

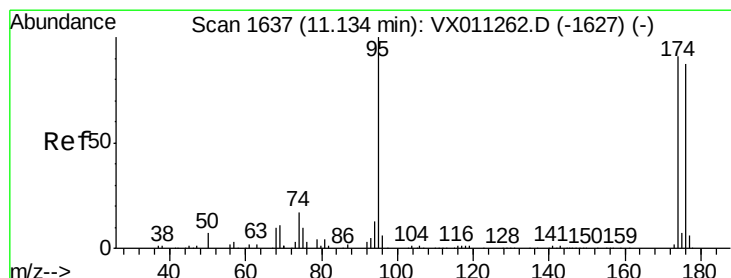
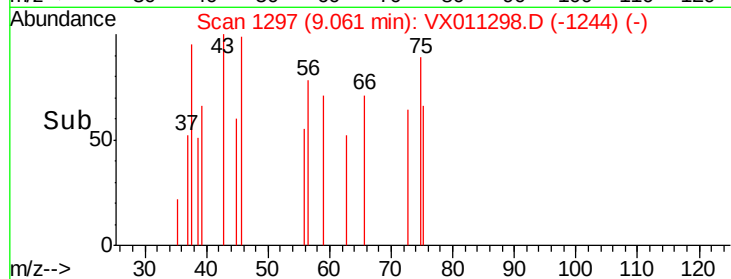
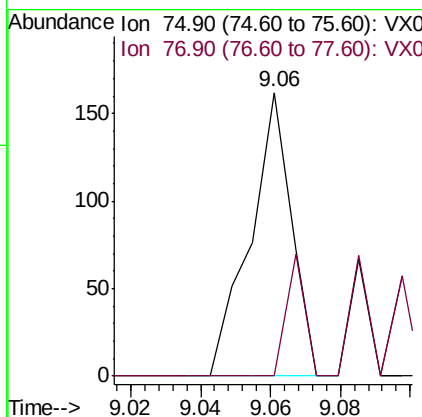
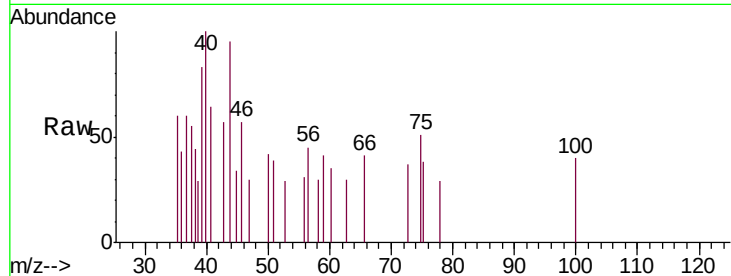




#53
t-1,3-Dichloropropene
Concen: 2.891 ug/l
RT: 9.06 min Scan# 1297
Delta R.T. 0.03 min
Lab File: VX011298.D
Acq: 02 Aug 2019 12:36

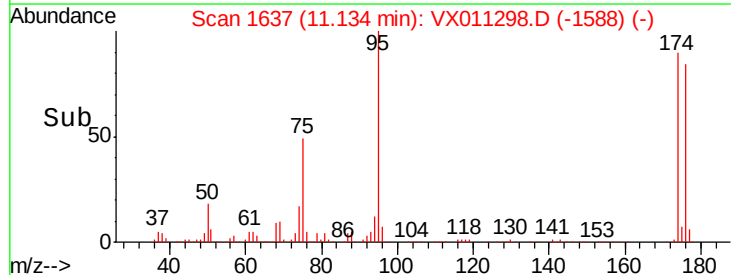
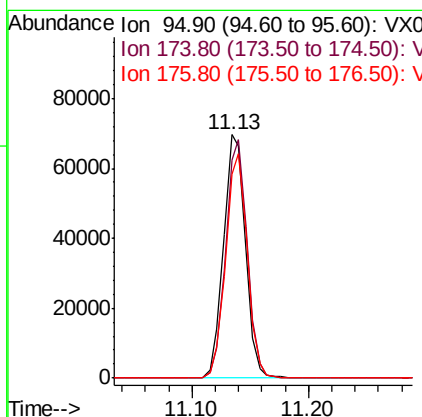
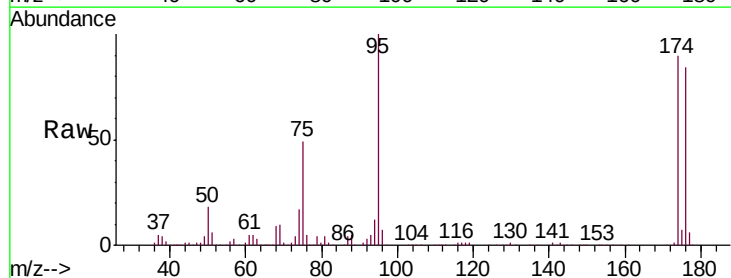
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-418-420

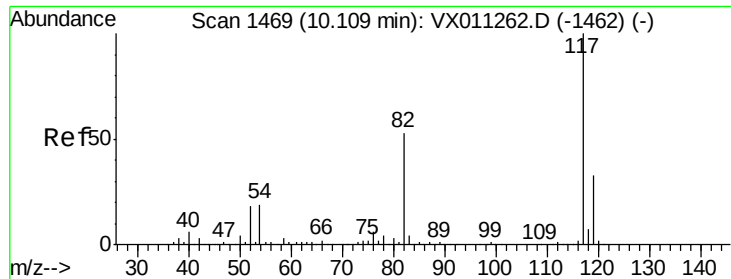
Tgt Ion: 75 Resp: 132
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#62
4-Bromofluorobenzene
Concen: 42.110 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011298.D
Acq: 02 Aug 2019 12:36

Tgt Ion: 95 Resp: 90390
Ion Ratio Lower Upper
95 100
174 96.5 0.0 191.2
176 91.6 0.0 184.8

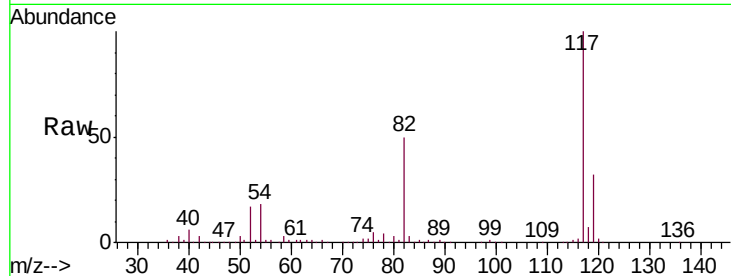




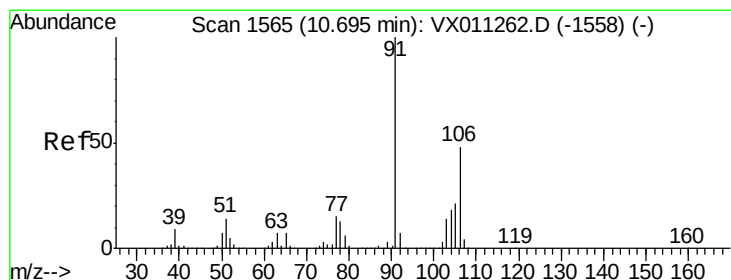
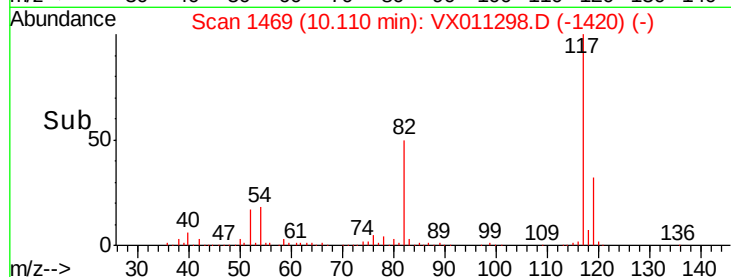
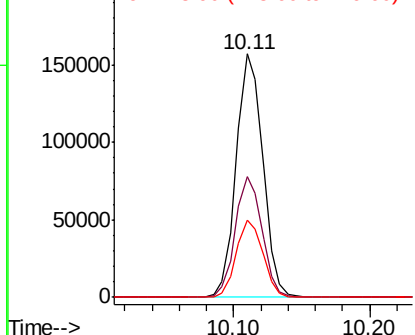
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011298.D
Acq: 02 Aug 2019 12:36

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

Tgt Ion:117 Resp: 214242
Ion Ratio Lower Upper
117 100
82 49.8 42.2 63.2
119 31.6 26.6 39.8

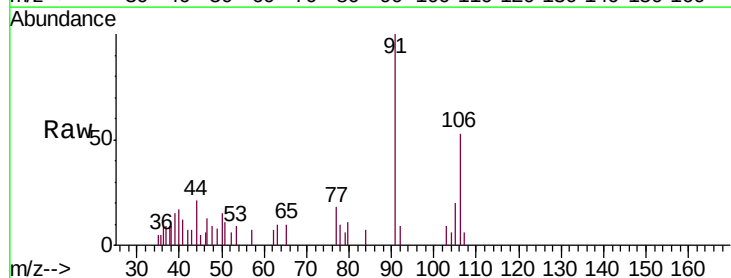


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

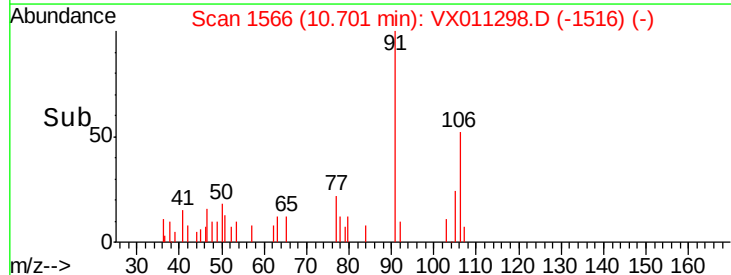
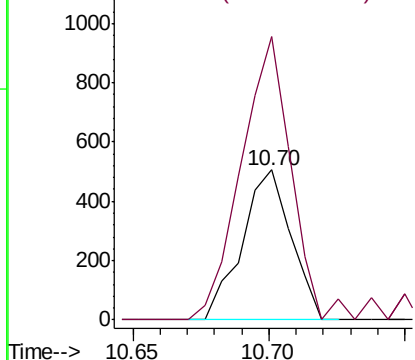


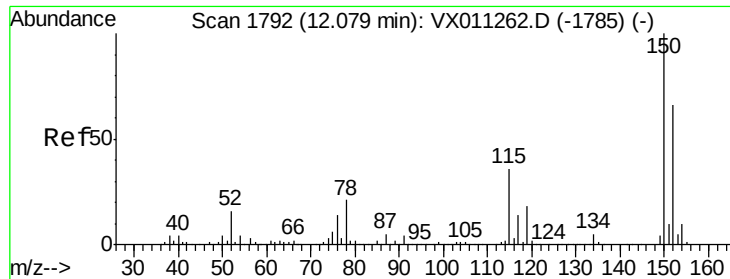
#69
o-Xylene
Concen: 0.215 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX011298.D
Acq: 02 Aug 2019 12:36

Tgt Ion:106 Resp: 629
Ion Ratio Lower Upper
106 100
91 192.5 103.8 311.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011298.D

Acq: 02 Aug 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-418-420

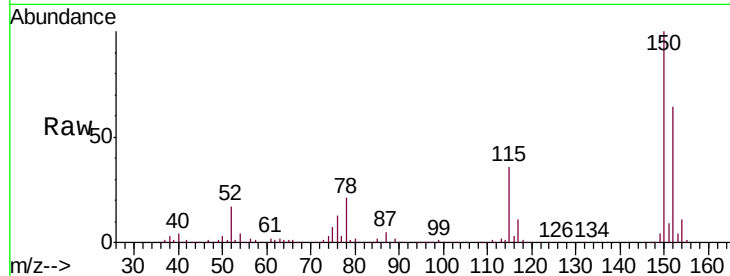
Tgt Ion:152 Resp: 101383

Ion Ratio Lower Upper

152 100

115 55.0 40.0 119.9

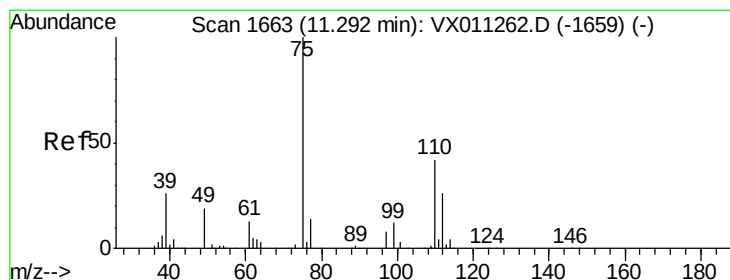
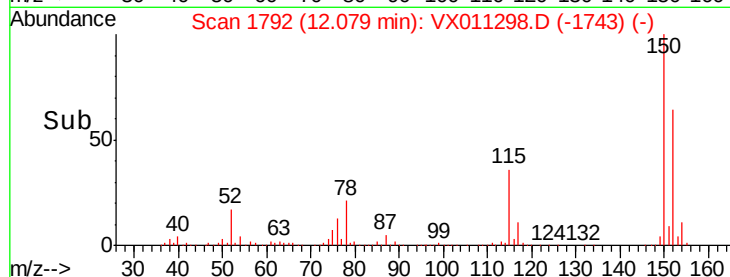
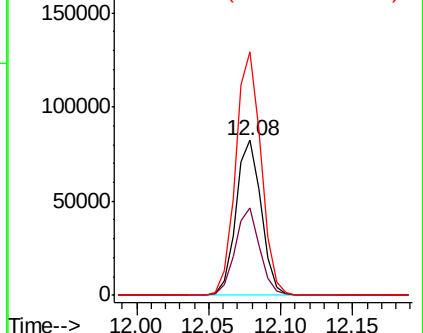
150 157.5 0.0 350.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.044 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011298.D

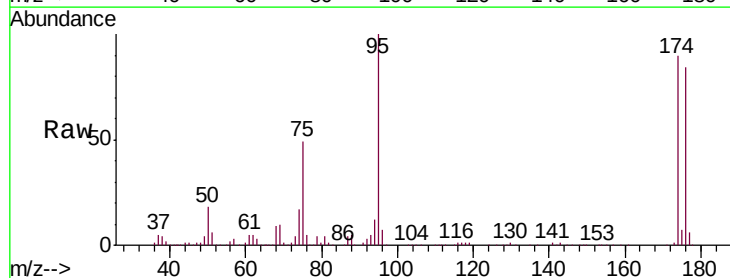
Acq: 02 Aug 2019 12:36

Tgt Ion: 75 Resp: 44393

Ion Ratio Lower Upper

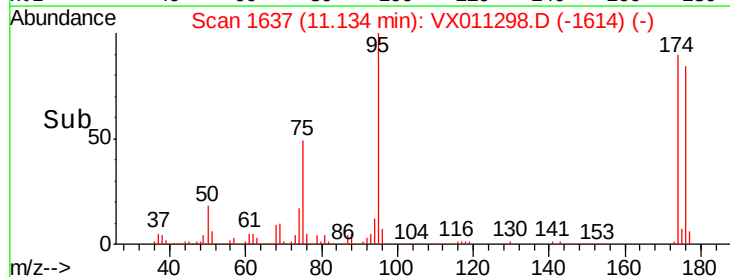
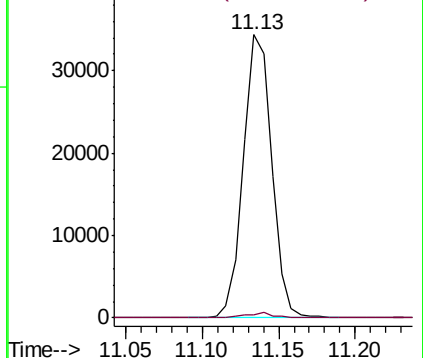
75 100

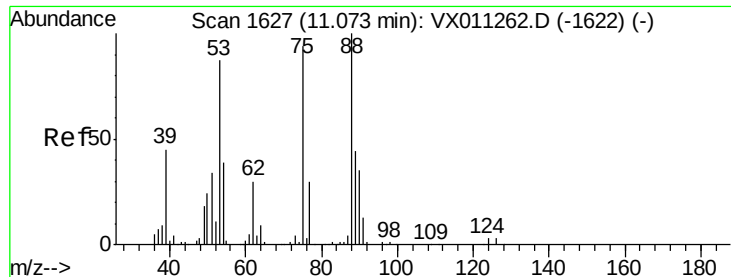
77 1.6 21.1 63.4#



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: 62.918 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011298.D

Acq: 02 Aug 2019 12:36

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-418-420

Tgt Ion: 75 Resp: 44393

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.1 37.9 56.9#

