

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081219\
 Data File : VX011474.D
 Acq On : 12 Aug 2019 11:35
 Operator : JC/SP
 Sample : K4298-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-EB-20190809

Quant Time: Aug 13 07:37:01 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

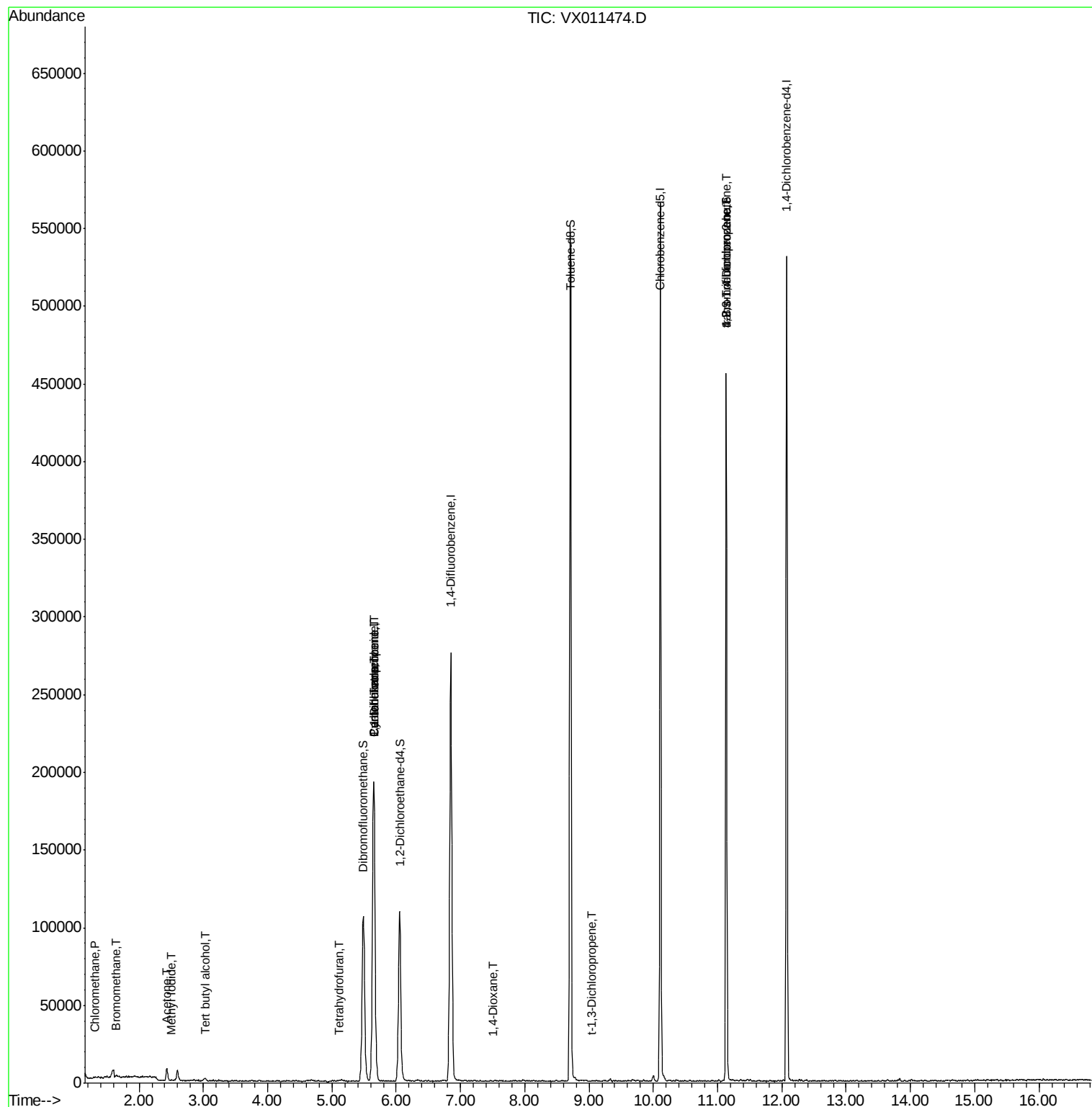
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	190879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	286940	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113532	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	104144	54.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.36%	
35) Dibromofluoromethane	5.49	113	88948	47.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.96%	
50) Toluene-d8	8.71	98	334994	47.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.74%	
62) 4-Bromofluorobenzene	11.13	95	109222	43.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.52%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	541	0.327	ug/l #	82
5) Bromomethane	1.65	94	447	0.344	ug/l #	79
6) Chloroethane	1.70	64	184	Below Cal	#	58
10) Methyl Iodide	2.51	142	442	0.200	ug/l #	80
11) Tert butyl alcohol	3.03	59	1661	4.356	ug/l	98
13) Acrolein	2.26	56	73	Below Cal	#	18
16) Acetone	2.43	43	8391	9.171	ug/l	99
29) Tetrahydrofuran	5.11	42	188	0.236	ug/l #	29
31) Cyclohexane	5.65	56	3850	1.555	ug/l #	9
36) 1,1-Dichloropropene	5.65	75	13452	5.370	ug/l #	49
38) Carbon Tetrachloride	5.65	117	18230	7.233	ug/l #	15
49) 1,4-Dioxane	7.51	88	40	0.730	ug/l #	1
53) t-1,3-Dichloropropene	9.04	75	114	2.877	ug/l #	86
76) 1,2,3-Trichloropropane	11.13	75	57056	27.596	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	57056	71.544	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# 738

Delta R.T. 0.00 min

Lab File: VX011474.D

Acq: 12 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

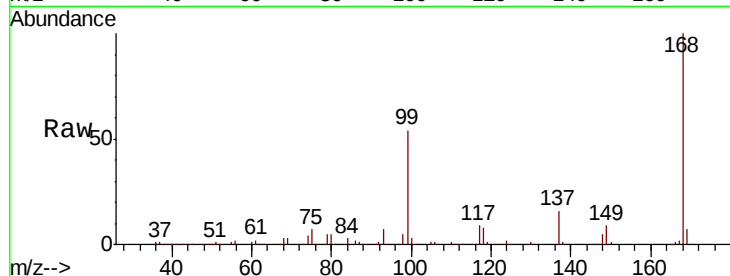
BP-VPB203-EB-20190809

Tgt Ion: 168 Resp: 190879

Ion Ratio Lower Upper

168 100

99 54.4 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

60000

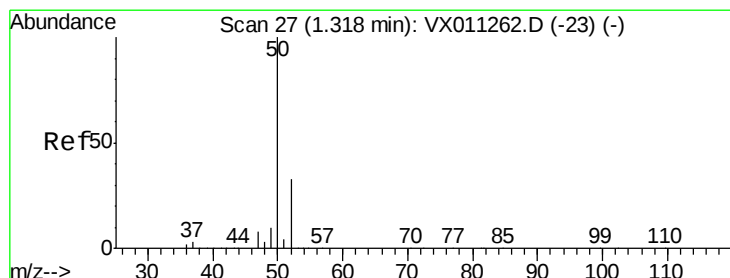
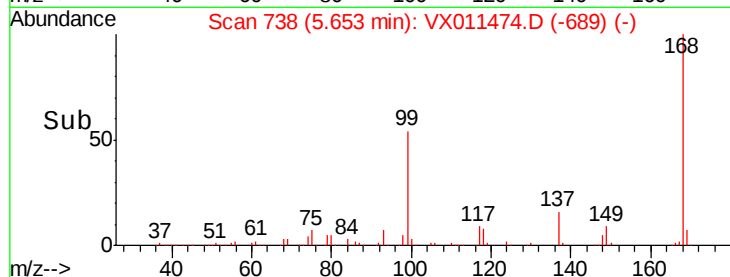
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.327 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011474.D

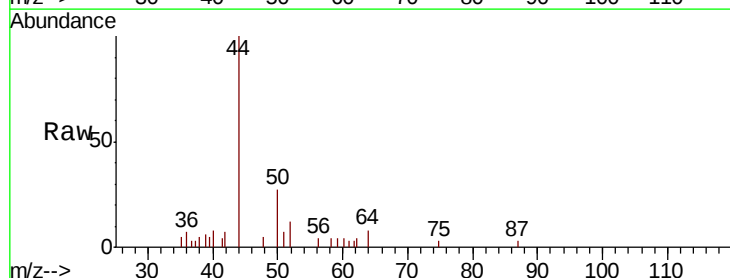
Acq: 12 Aug 2019 11:35

Tgt Ion: 50 Resp: 541

Ion Ratio Lower Upper

50 100

52 43.3 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

300

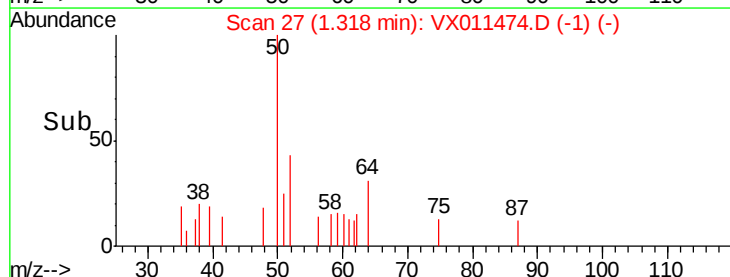
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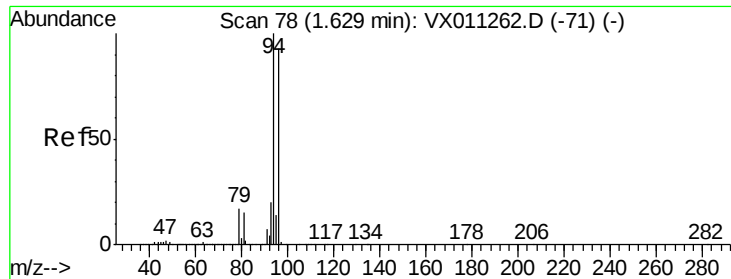
100

0

Time-->

1.28 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.344 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.02 min

Lab File: VX011474.D

Acq: 12 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

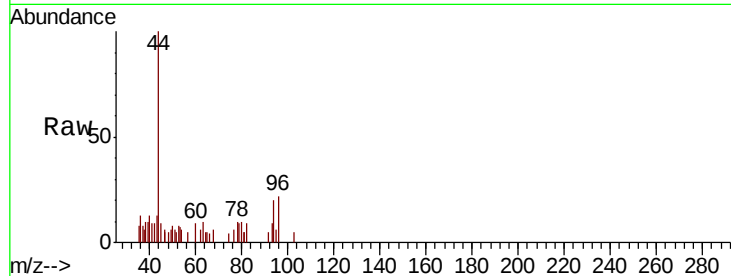
BP-VPB203-EB-20190809

Tgt Ion: 94 Resp: 447

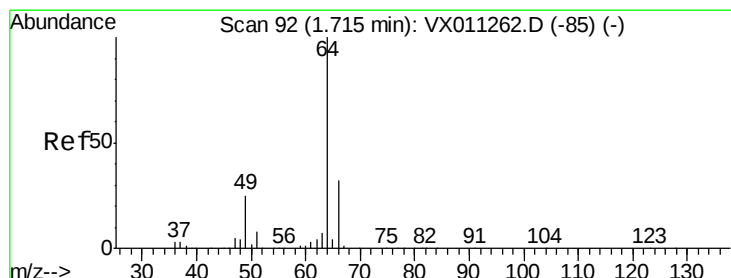
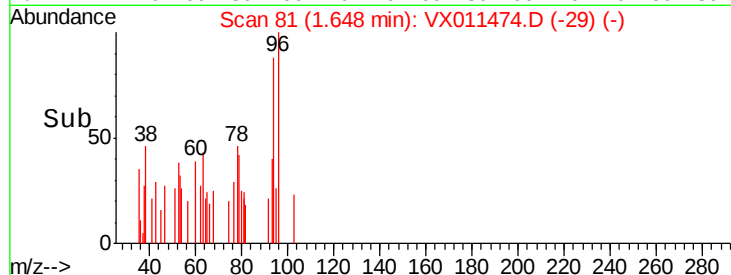
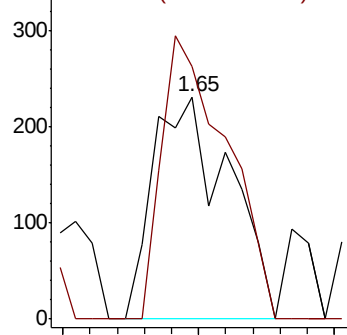
Ion Ratio Lower Upper

94 100

96 113.9 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX011474.D

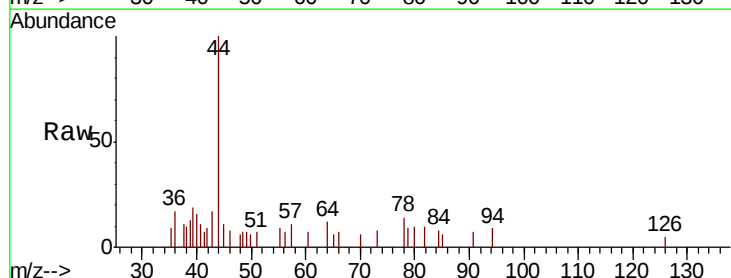
Acq: 12 Aug 2019 11:35

Tgt Ion: 64 Resp: 184

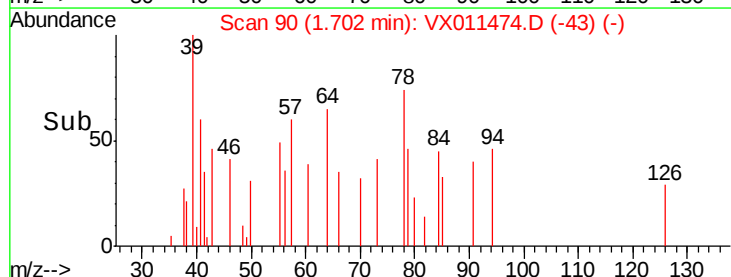
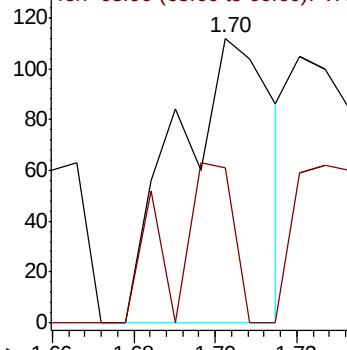
Ion Ratio Lower Upper

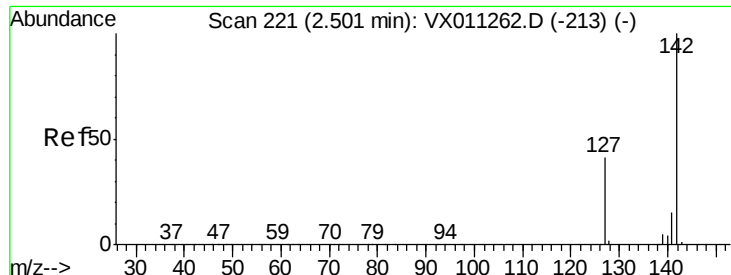
64 100

66 54.5 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

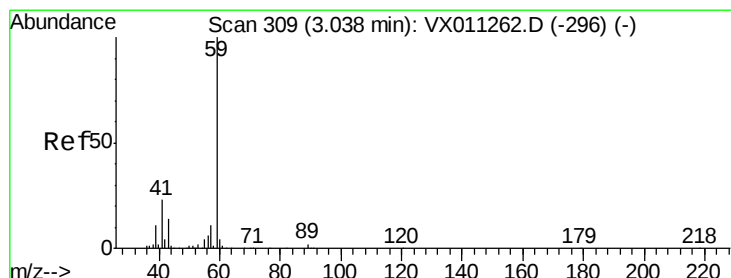
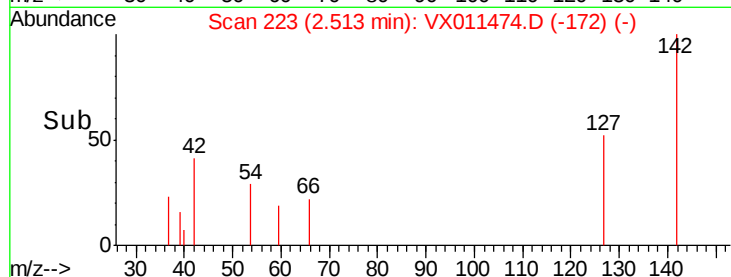
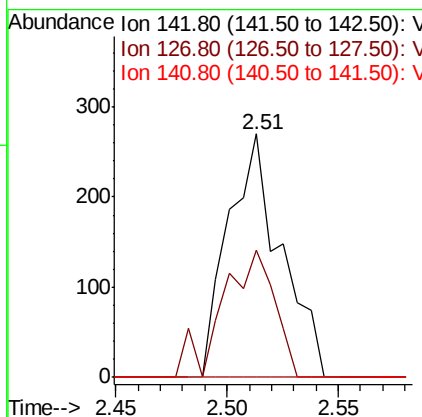
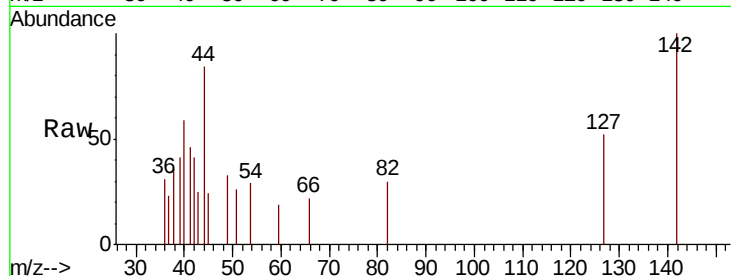




#10
Methyl Iodide
Concen: 0.200 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX011474.D
Acq: 12 Aug 2019 11:35

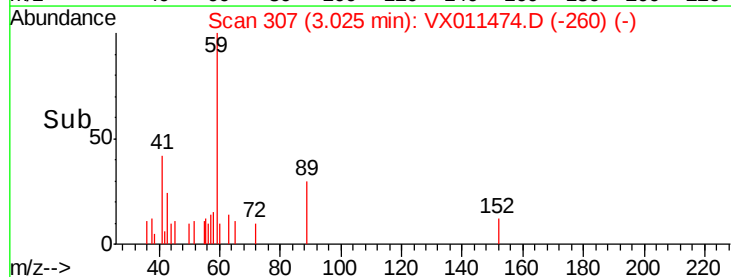
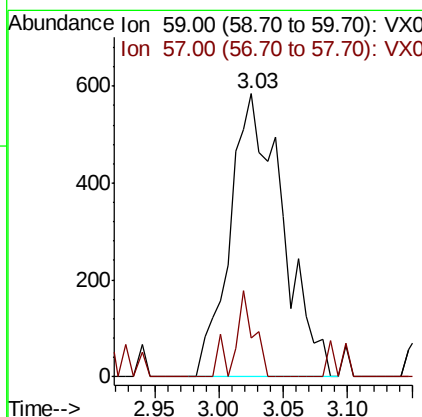
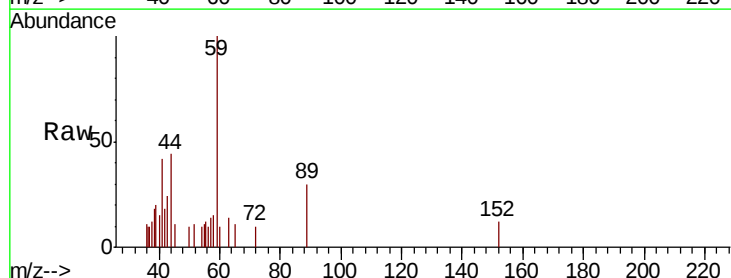
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-EB-20190809

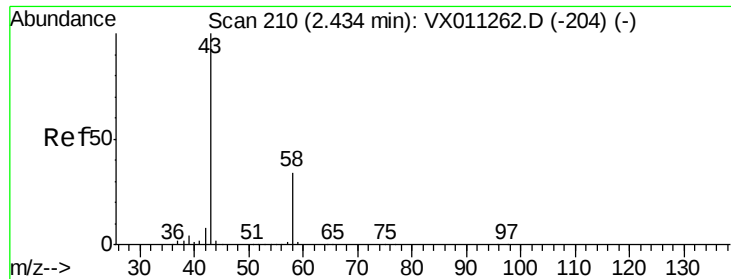
Tgt Ion: 142 Resp: 442
Ion Ratio Lower Upper
142 100
127 52.0 33.8 50.8#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 4.356 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX011474.D
Acq: 12 Aug 2019 11:35

Tgt Ion: 59 Resp: 1661
Ion Ratio Lower Upper
59 100
57 11.0 8.3 12.5





#16

Acetone

Concen: 9.171 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011474.D

Acq: 12 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

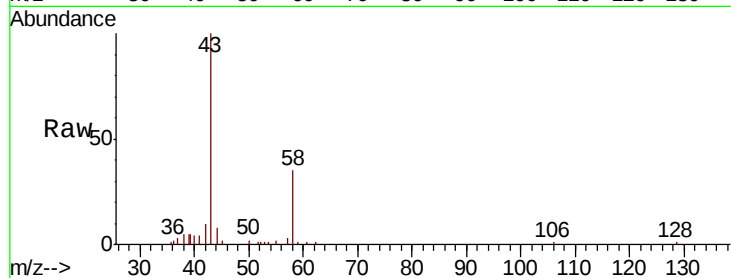
BP-VPB203-EB-20190809

Tgt Ion: 43 Resp: 8391

Ion Ratio Lower Upper

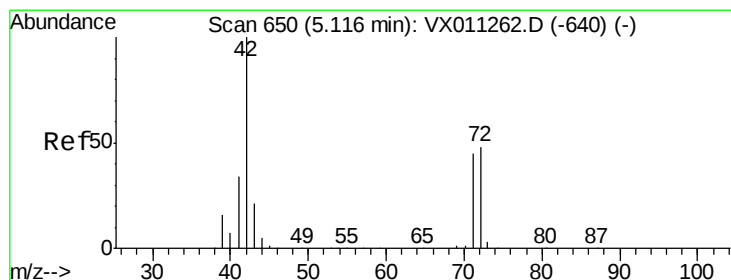
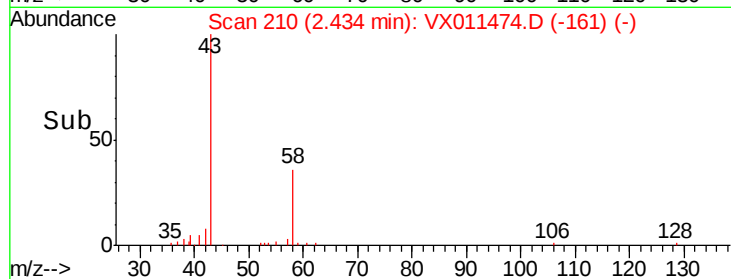
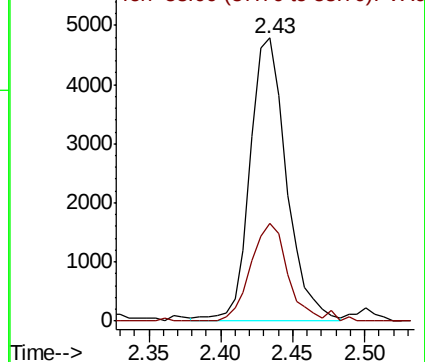
43 100

58 34.9 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#29

Tetrahydrofuran

Concen: 0.236 ug/l

RT: 5.11 min Scan# 649

Delta R.T. -0.01 min

Lab File: VX011474.D

Acq: 12 Aug 2019 11:35

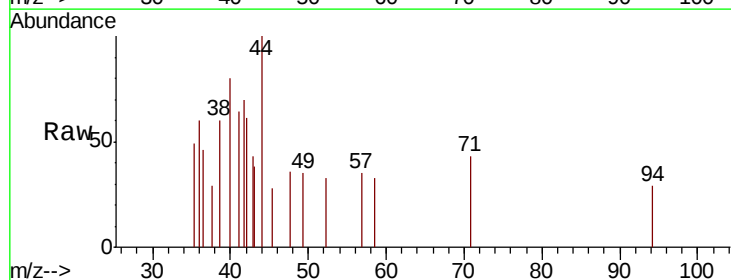
Tgt Ion: 42 Resp: 188

Ion Ratio Lower Upper

42 100

72 0.0 39.9 59.9#

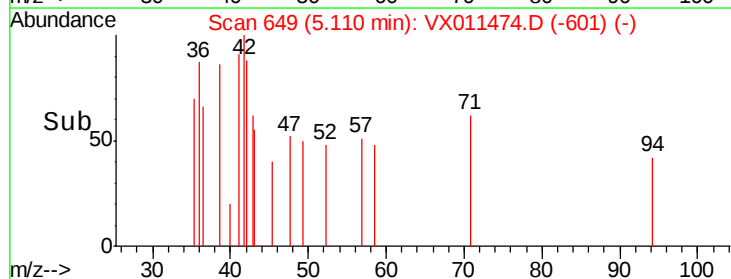
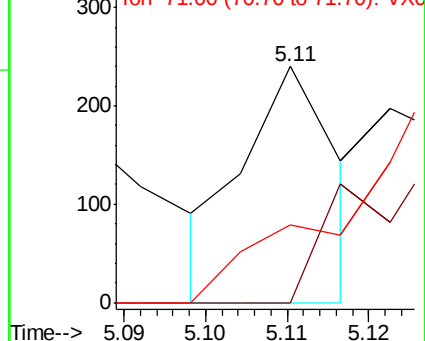
71 0.0 36.9 55.3#

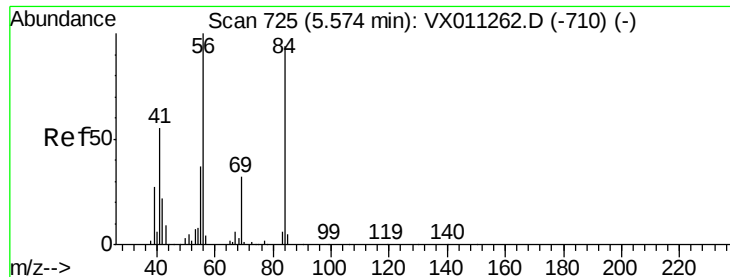


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

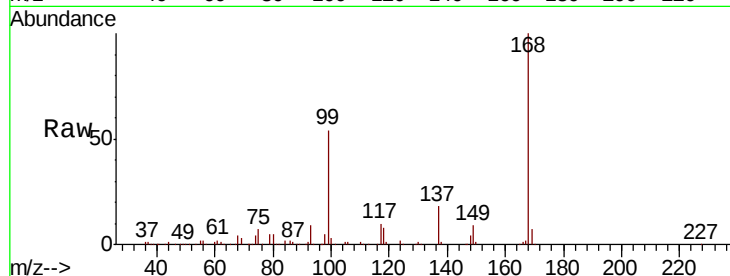




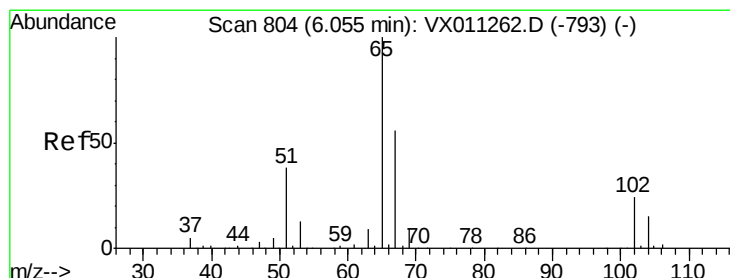
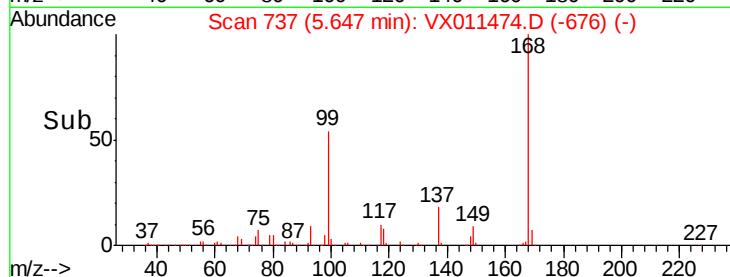
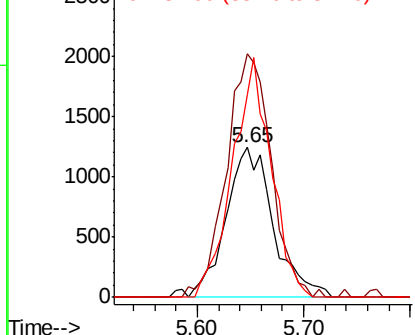
#31
Cyclohexane
Concen: 1.555 ug/l
RT: 5.65 min Scan# 737
Delta R.T. 0.07 min
Lab File: VX011474.D
Acq: 12 Aug 2019 11:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-EB-20190809

Tgt Ion: 56 Resp: 3850
Ion Ratio Lower Upper
56 100
69 162.3 25.5 38.3#
84 134.8 75.0 112.4#

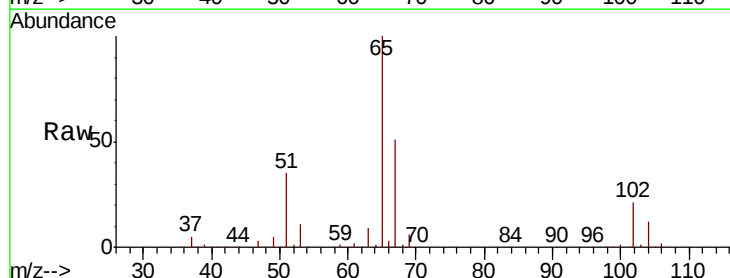


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

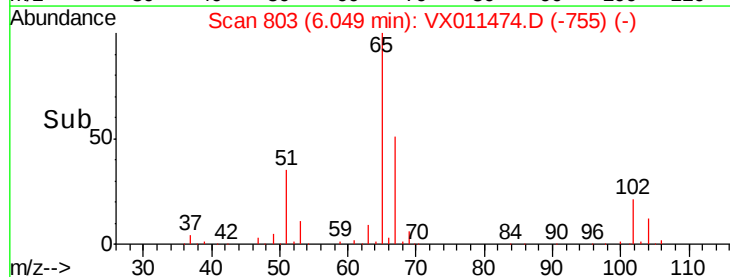
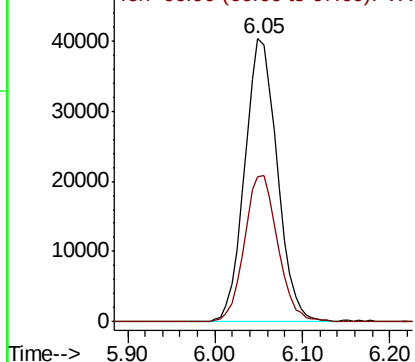


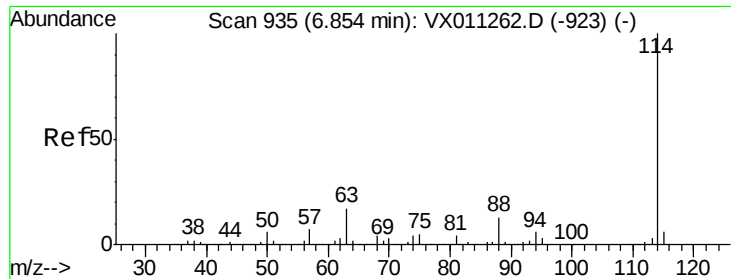
#33
1,2-Dichloroethane-d4
Concen: 54.178 ug/l
RT: 6.05 min Scan# 803
Delta R.T. -0.01 min
Lab File: VX011474.D
Acq: 12 Aug 2019 11:35

Tgt Ion: 65 Resp: 104144
Ion Ratio Lower Upper
65 100
67 53.0 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

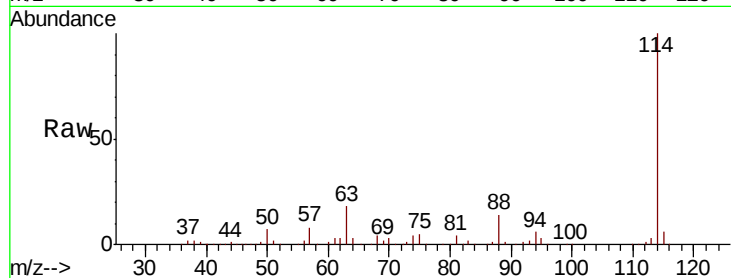




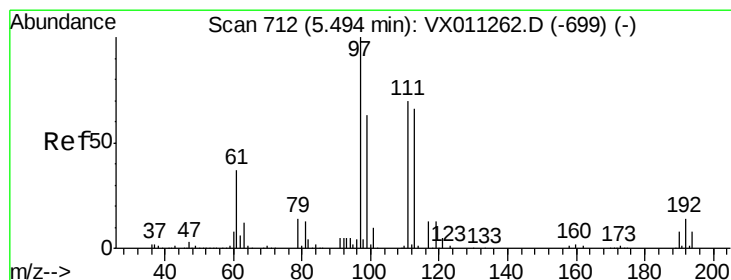
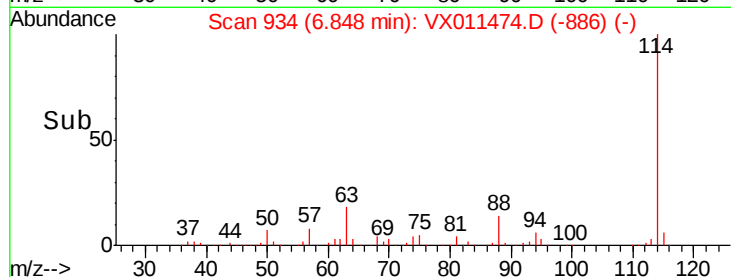
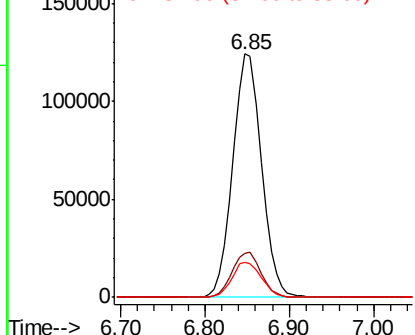
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: VX011474.D
 Acq: 12 Aug 2019 11:35

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-EB-20190809

Tgt Ion:114 Resp: 286940
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 34.0
 88 14.3 0.0 26.4

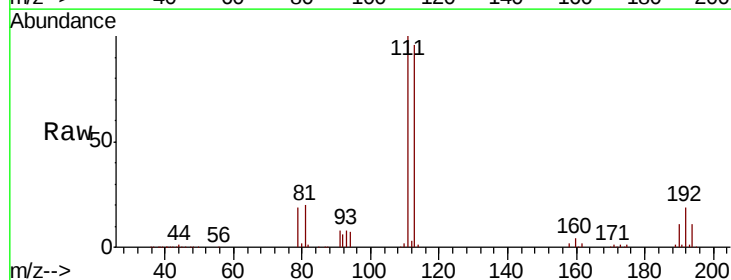


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

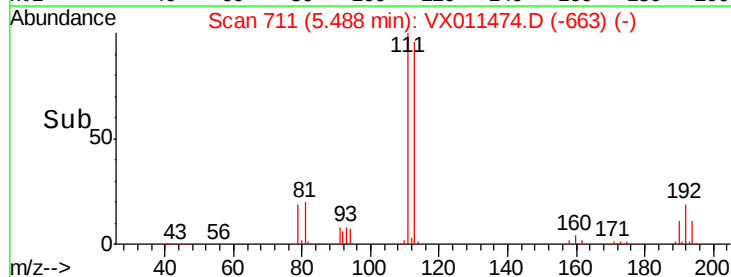
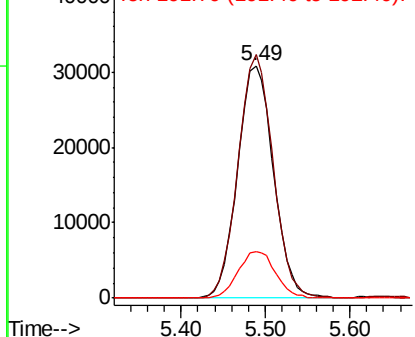


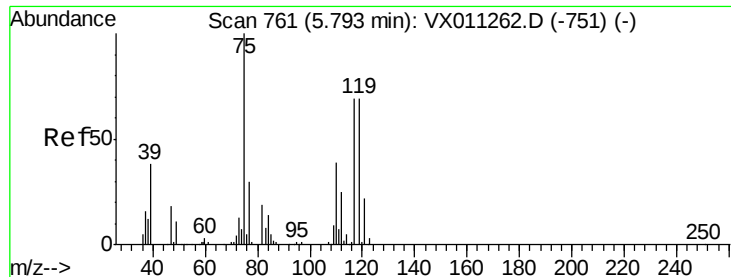
#35
 Dibromofluoromethane
 Concen: 47.480 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011474.D
 Acq: 12 Aug 2019 11:35

Tgt Ion:113 Resp: 88948
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.9 122.9
 192 20.9 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

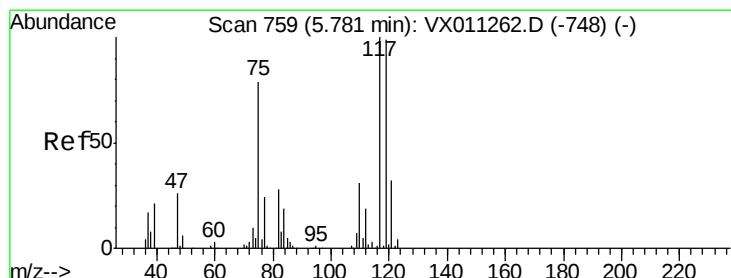
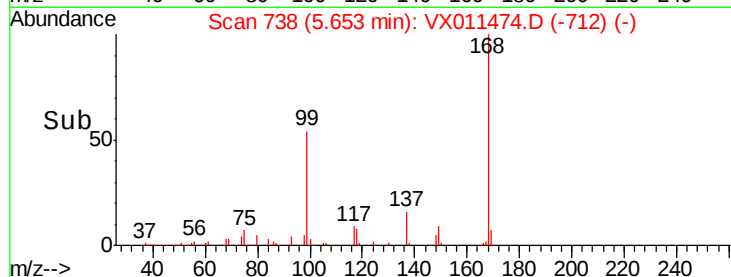
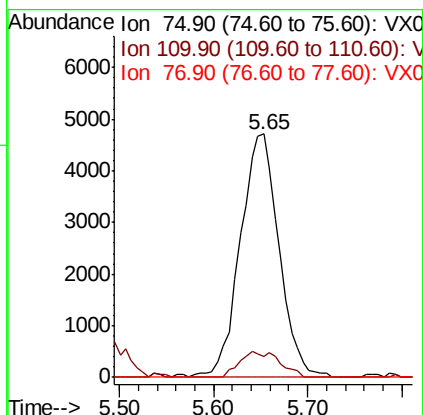
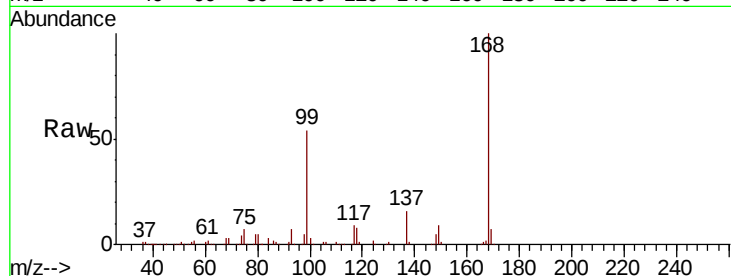




#36
 1,1-Dichloropropene
 Concen: 5.370 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011474.D
 Acq: 12 Aug 2019 11:35

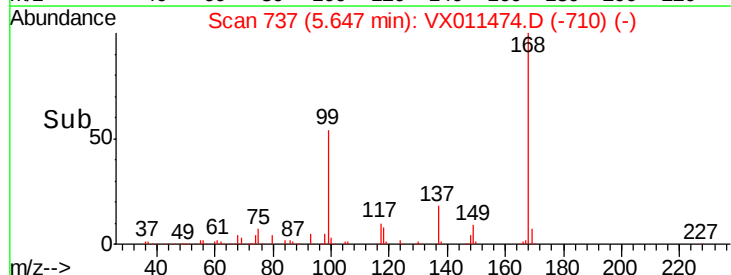
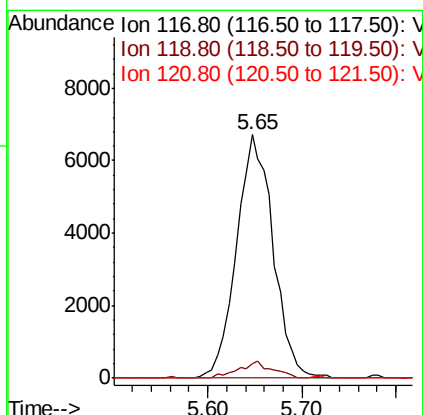
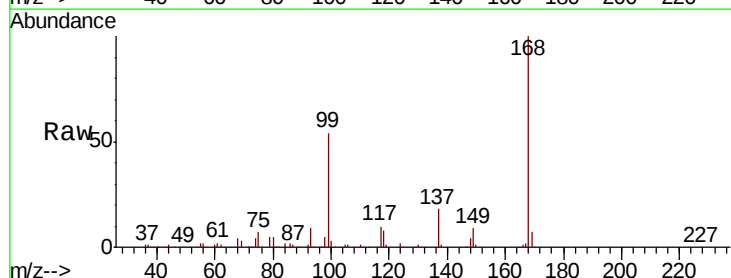
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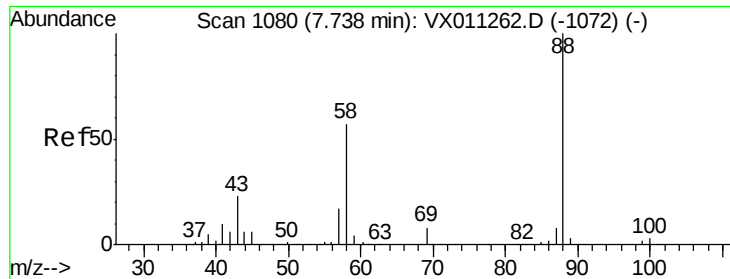
Tgt Ion: 75 Resp: 13452
 Ion Ratio Lower Upper
 75 100
 110 10.9 20.0 59.9#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 7.233 ug/l
 RT: 5.65 min Scan# 737
 Delta R.T. -0.13 min
 Lab File: VX011474.D
 Acq: 12 Aug 2019 11:35

Tgt Ion: 117 Resp: 18230
 Ion Ratio Lower Upper
 117 100
 119 6.1 79.0 118.4#
 121 0.0 25.9 38.9#

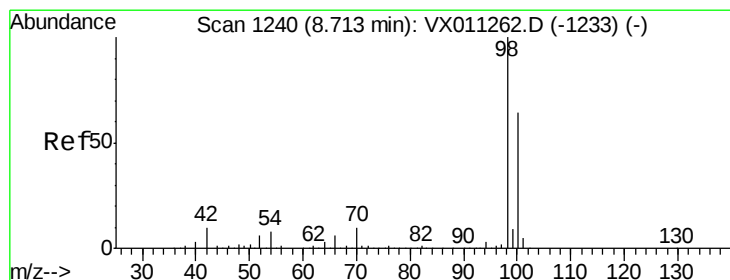
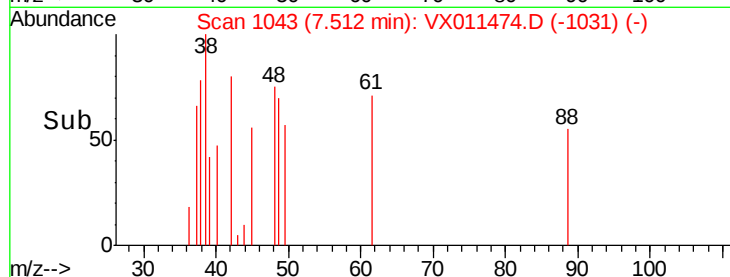
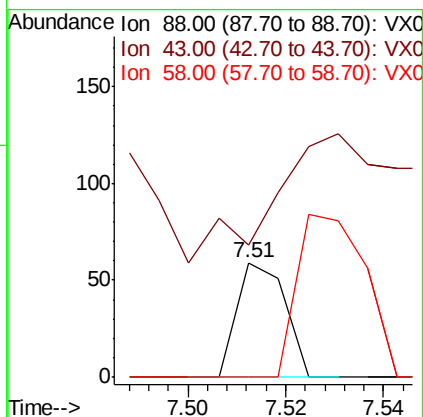
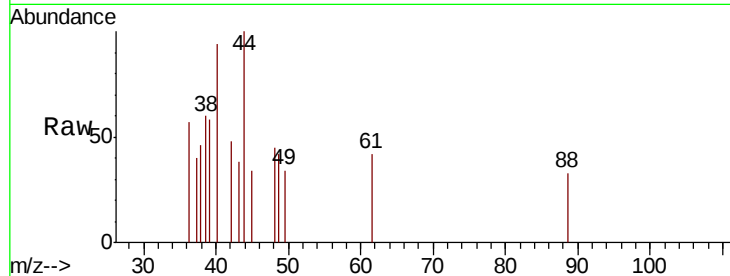




#49
1,4-Dioxane
Concen: 0.730 ug/l
RT: 7.51 min Scan# 1043
Delta R.T. -0.23 min
Lab File: VX011474.D
Acq: 12 Aug 2019 11:35

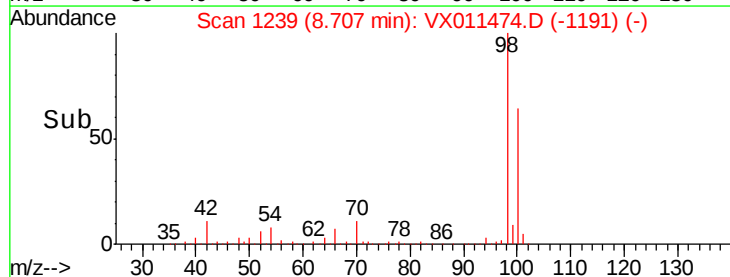
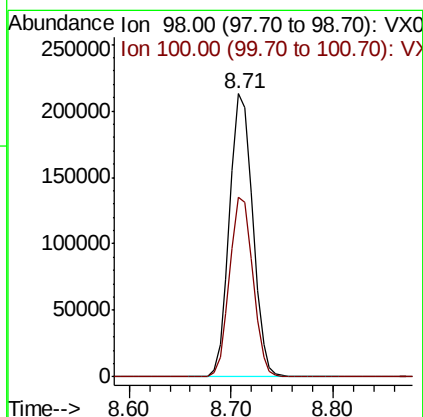
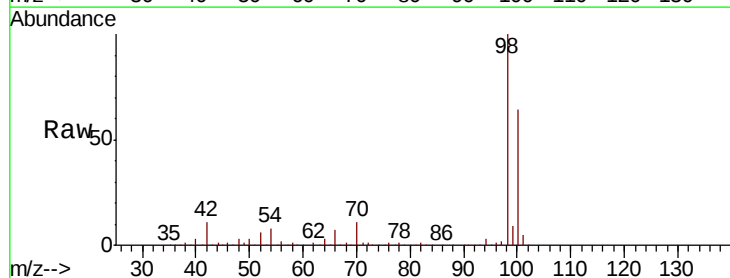
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-EB-20190809

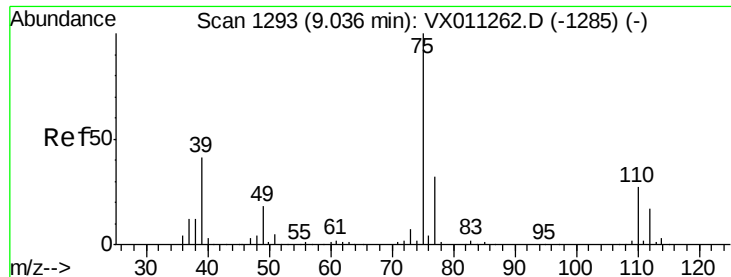
Tgt Ion: 88 Resp: 40
Ion Ratio Lower Upper
88 100
43 462.5 22.2 33.2#
58 202.5 47.8 71.8#



#50
Toluene-d8
Concen: 47.373 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VX011474.D
Acq: 12 Aug 2019 11:35

Tgt Ion: 98 Resp: 334994
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5

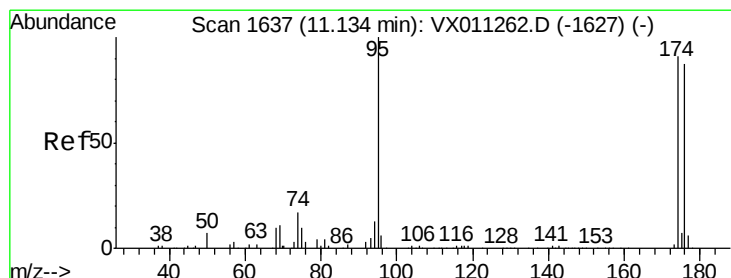
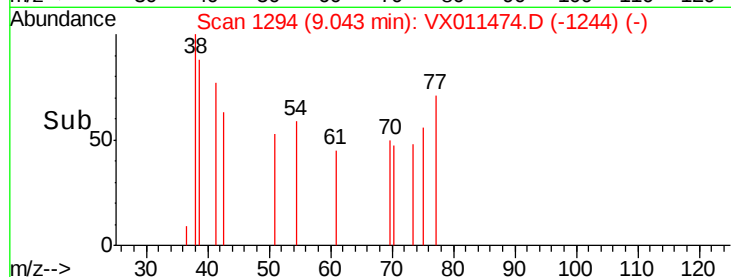
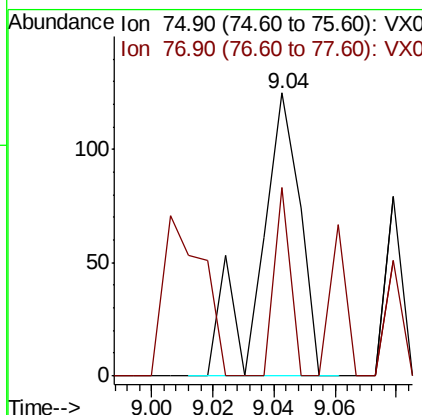
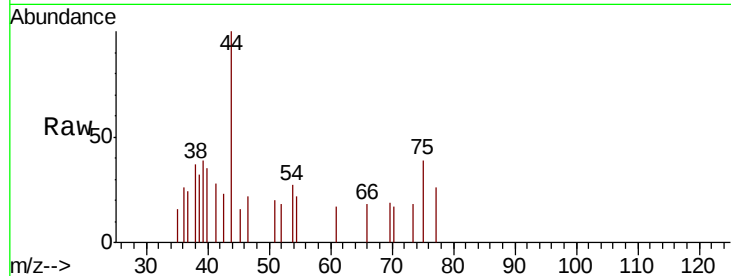




#53
t-1,3-Dichloropropene
Concen: 2.877 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX011474.D
Acq: 12 Aug 2019 11:35

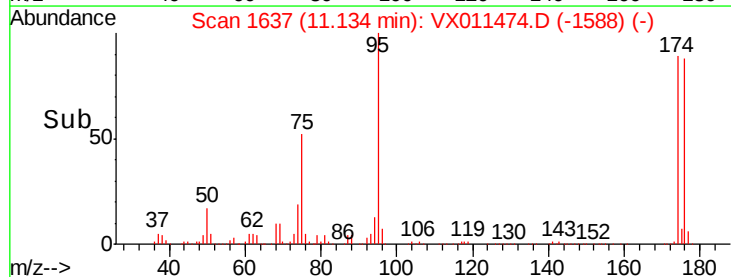
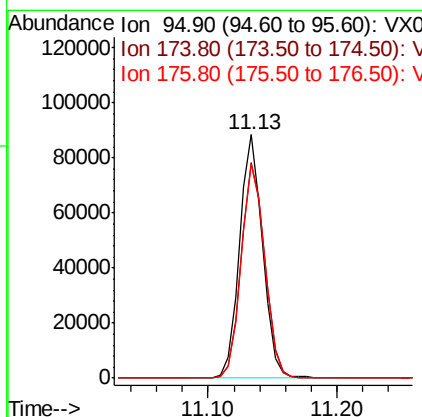
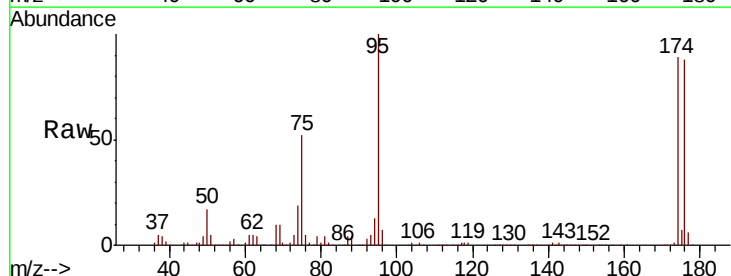
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-EB-20190809

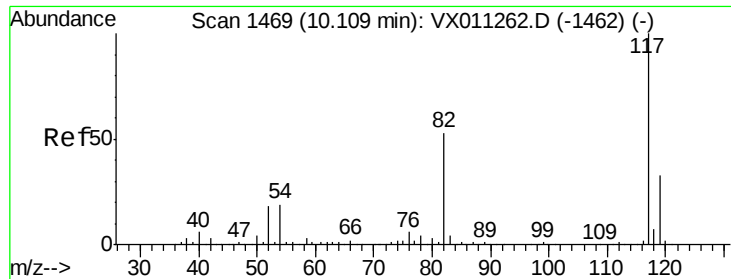
Tgt Ion: 75 Resp: 114
Ion Ratio Lower Upper
75 100
77 24.0 25.4 38.0#



#62
4-Bromofluorobenzene
Concen: 43.262 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011474.D
Acq: 12 Aug 2019 11:35

Tgt Ion: 95 Resp: 109222
Ion Ratio Lower Upper
95 100
174 90.8 0.0 191.2
176 89.3 0.0 184.8

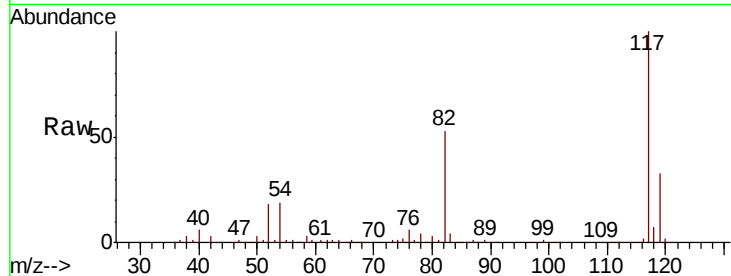




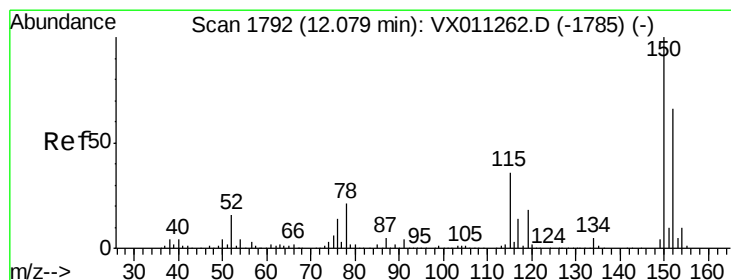
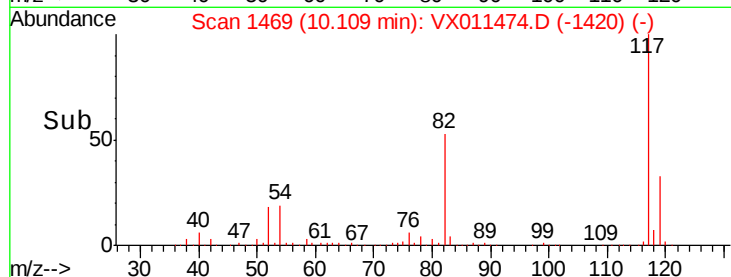
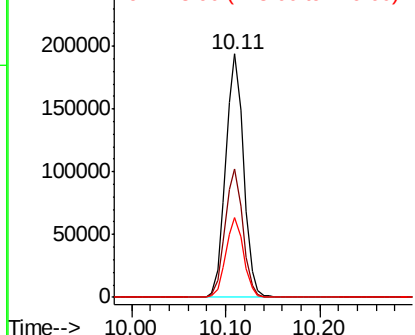
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011474.D
Acq: 12 Aug 2019 11:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-EB-20190809

Tgt Ion:117 Resp: 255832
Ion Ratio Lower Upper
117 100
82 52.5 42.2 63.2
119 32.7 26.6 39.8

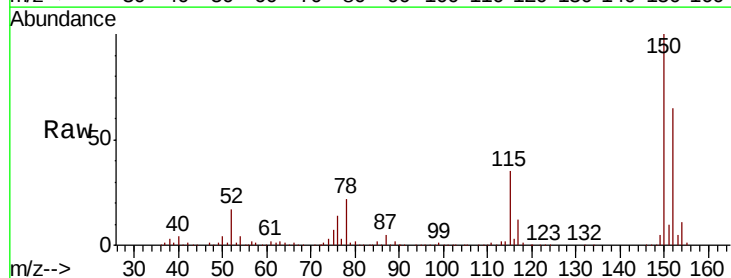


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

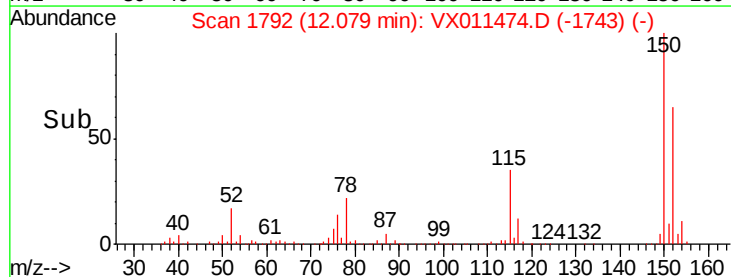
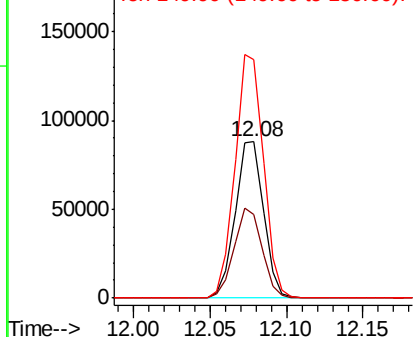


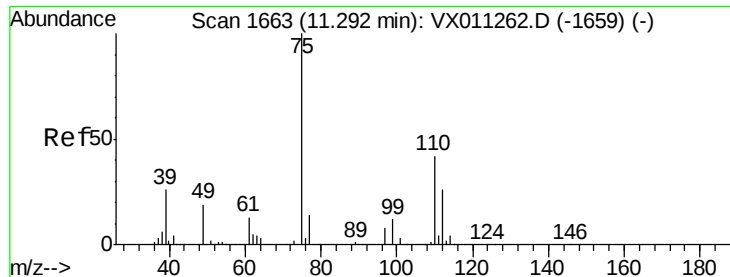
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011474.D
Acq: 12 Aug 2019 11:35

Tgt Ion:152 Resp: 113532
Ion Ratio Lower Upper
152 100
115 56.7 40.0 119.9
150 156.4 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: 27.596 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011474.D

Acq: 12 Aug 2019 11:35

Instrument :

MSVOA_X

ClientSampleId :

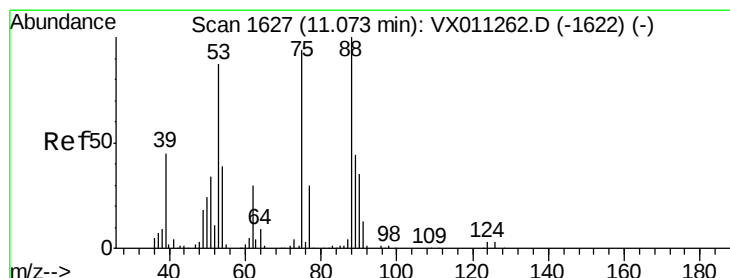
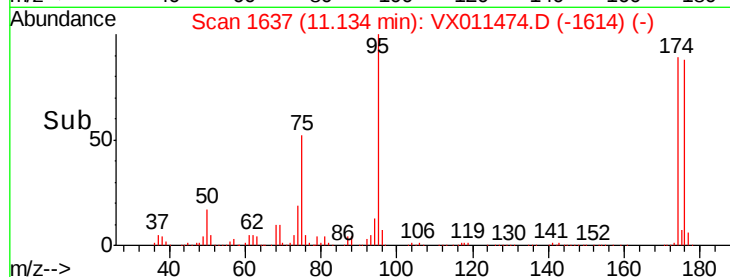
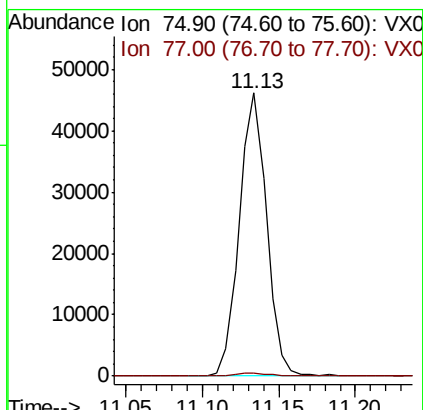
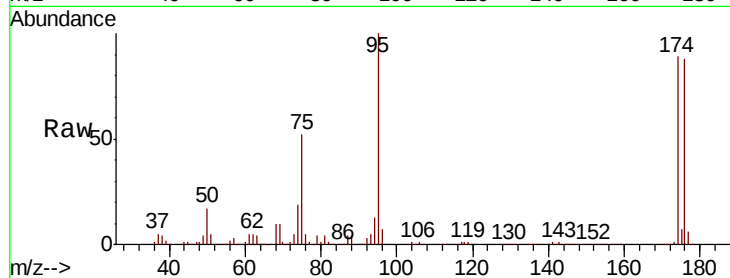
BP-VPB203-EB-20190809

Tgt Ion: 75 Resp: 57056

Ion Ratio Lower Upper

75 100

77 1.3 21.1 63.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.544 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011474.D

Acq: 12 Aug 2019 11:35

Tgt Ion: 75 Resp: 57056

Ion Ratio Lower Upper

75 100

53 0.3 78.2 117.4#

89 0.0 37.9 56.9#

