

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX030719\
 Data File : VX007879.D
 Acq On : 07 Mar 2019 13:11
 Operator : JC/SP
 Sample : K1759-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-EB-20190305

Quant Time: Mar 08 04:41:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	297888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	461294	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	438850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212515	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	162826	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
35) Dibromofluoromethane	5.50	113	149444	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
50) Toluene-d8	8.71	98	562380	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
62) 4-Bromofluorobenzene	11.13	95	206437	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	

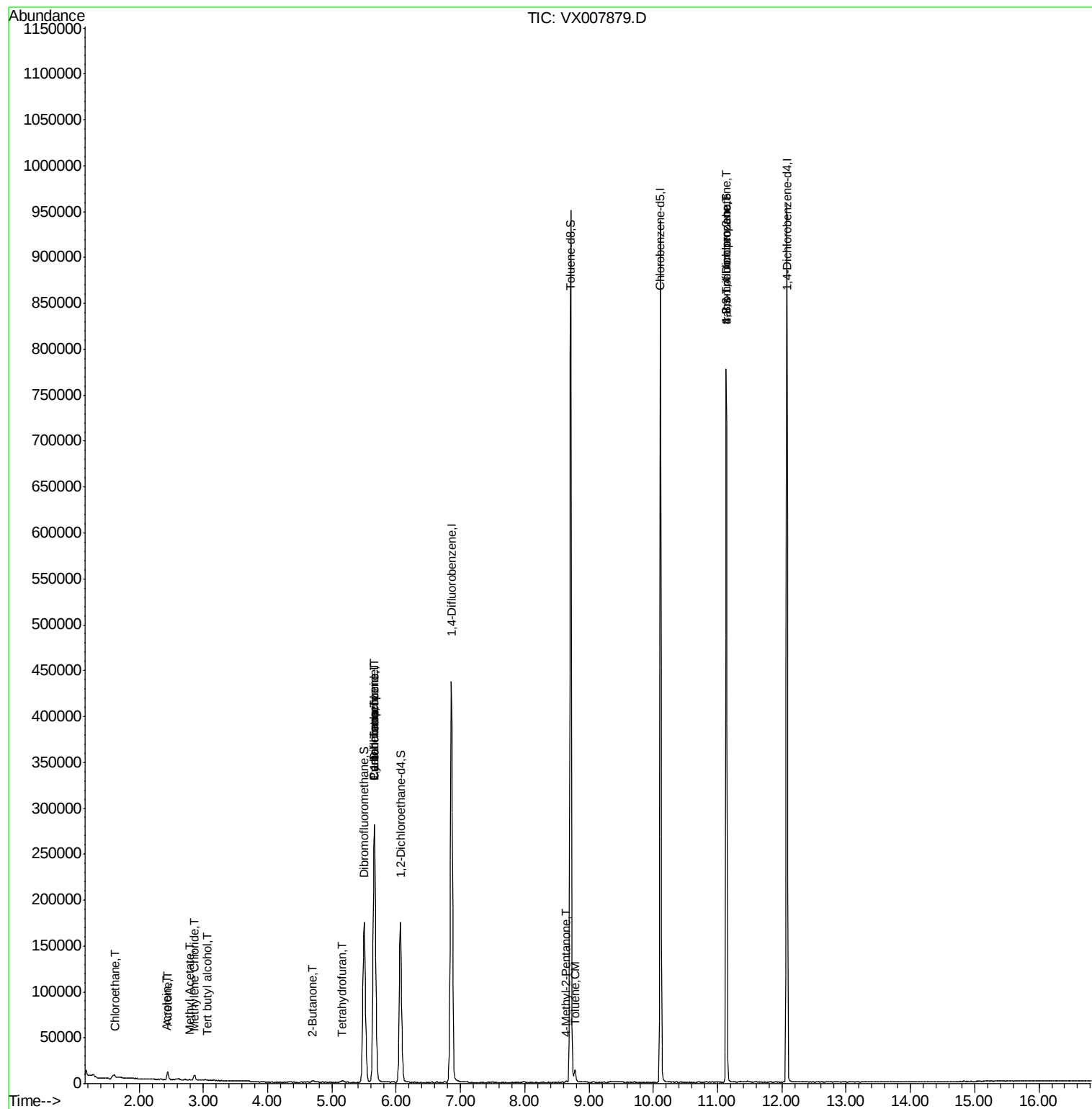
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	330	Below Cal	#	69
6) Chloroethane	1.63	64	520	0.240	ug/l #	43
11) Tert butyl alcohol	3.06	59	293	0.417	ug/l #	73
13) Acrolein	2.43	56	20	1.591	ug/l #	1
16) Acetone	2.45	43	9828	5.403	ug/l	99
17) Carbon Disulfide	2.57	76	963	Below Cal		97
18) Methyl Acetate	2.78	43	777	0.201	ug/l #	87
20) Methylene Chloride	2.86	84	2189	0.756	ug/l	95
25) 2-Butanone	4.70	43	2767	1.075	ug/l	93
29) Tetrahydrofuran	5.16	42	1613	1.004	ug/l	98
31) Cyclohexane	5.67	56	4496	0.931	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18485	4.426	ug/l #	49
38) Carbon Tetrachloride	5.66	117	24961	6.295	ug/l #	17
51) 4-Methyl-2-Pentanone	8.65	43	1046	0.222	ug/l	98
52) Toluene	8.79	92	4136	0.545	ug/l	93
76) 1,2,3-Trichloropropane	11.13	75	96540	21.648	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	96540	69.199	ug/l #	12

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007879.D

Acq: 07 Mar 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

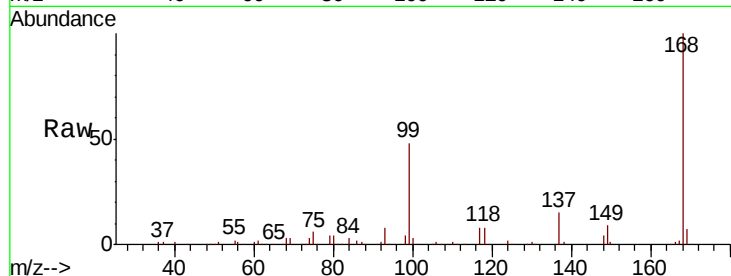
BP-VPB201-EB-20190305

Tgt Ion: 168 Resp: 297888

Ion Ratio Lower Upper

168 100

99 48.4 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

60000

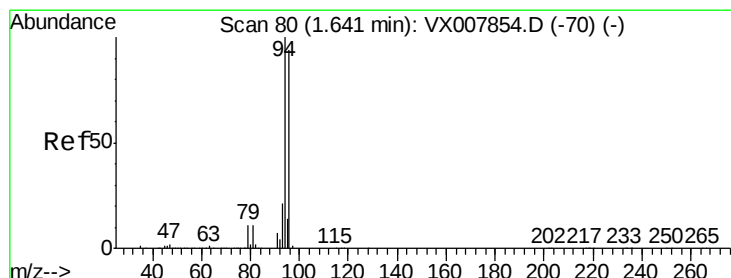
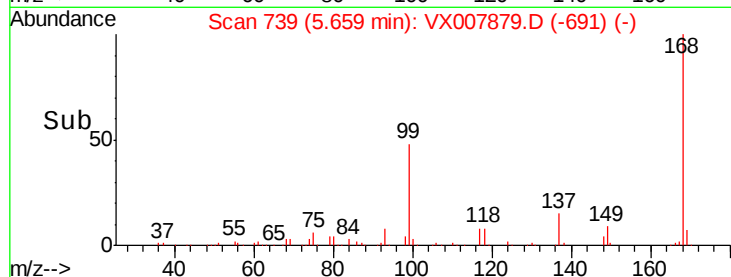
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007879.D

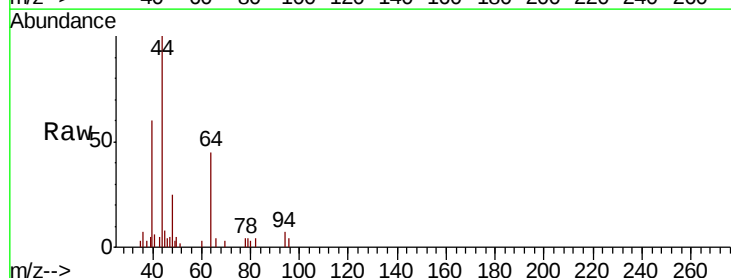
Acq: 07 Mar 2019 13:11

Tgt Ion: 94 Resp: 330

Ion Ratio Lower Upper

94 100

96 64.7 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

150

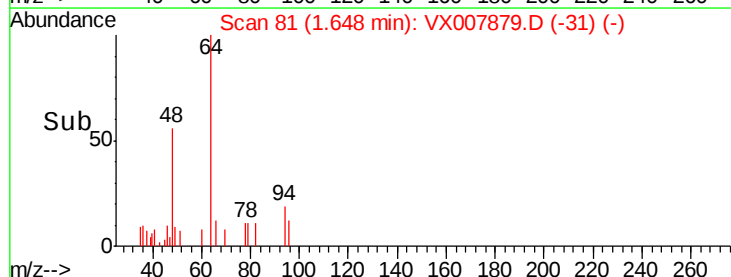
100

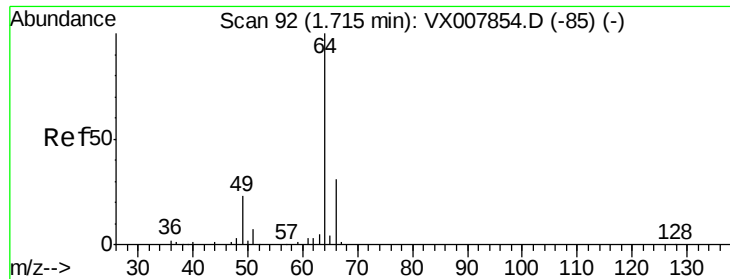
50

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.240 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.09 min

Lab File: VX007879.D

Acq: 07 Mar 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

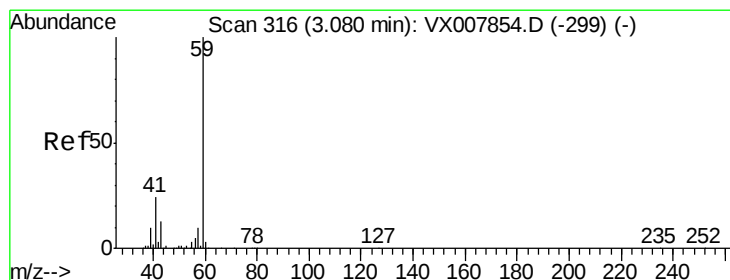
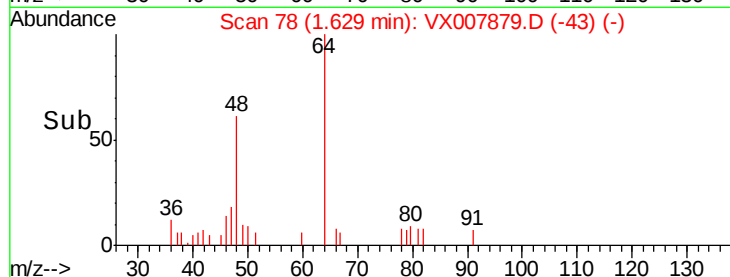
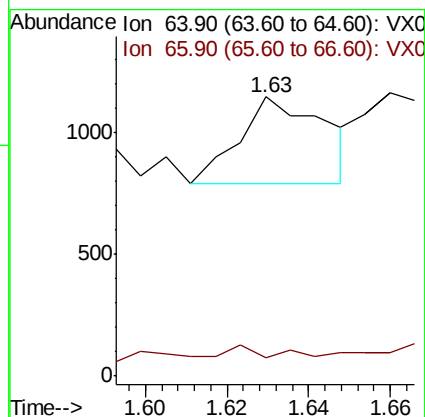
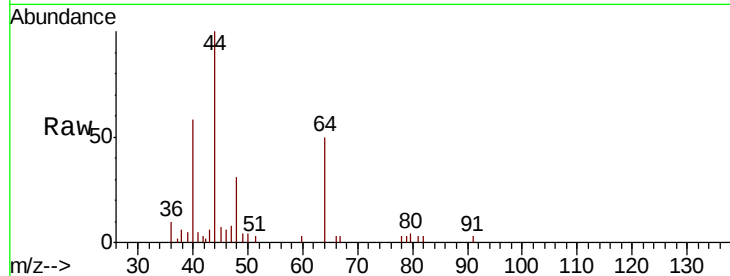
BP-VPB201-EB-20190305

Tgt Ion: 64 Resp: 520

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#



#11

Tert butyl alcohol

Concen: 0.417 ug/l

RT: 3.06 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX007879.D

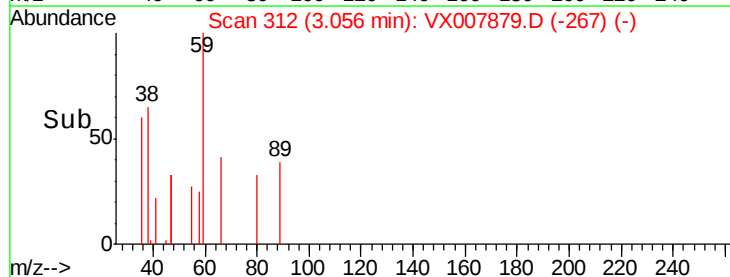
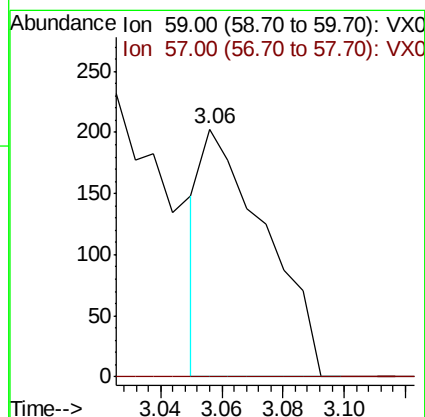
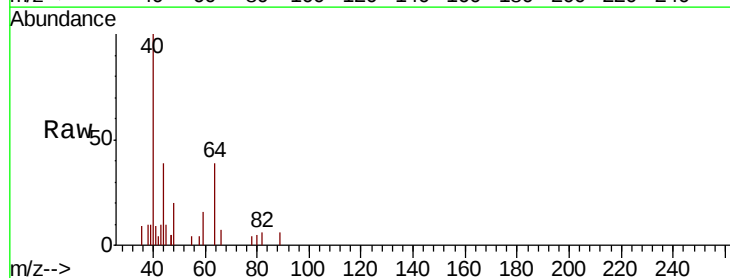
Acq: 07 Mar 2019 13:11

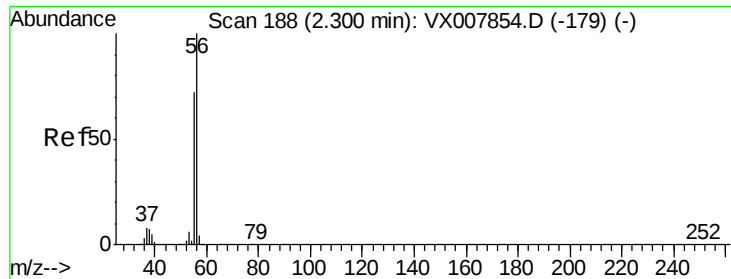
Tgt Ion: 59 Resp: 293

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#

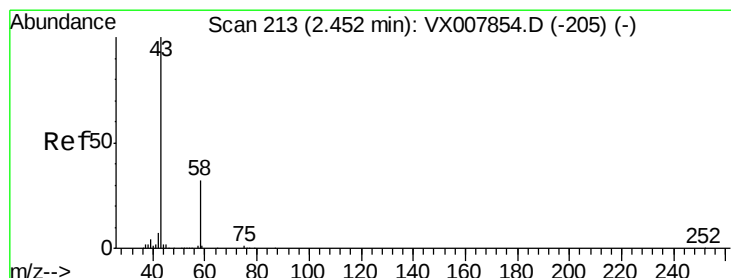
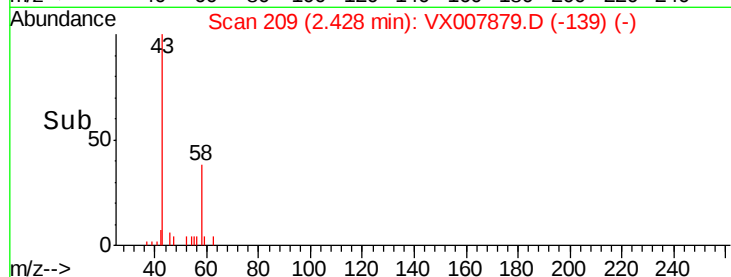
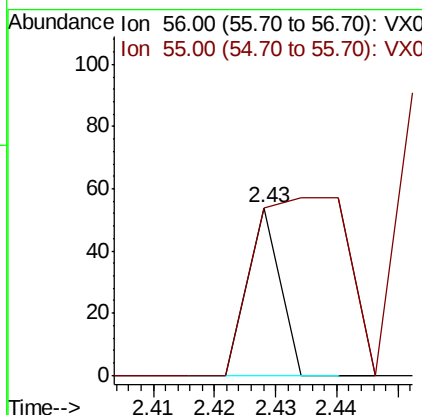
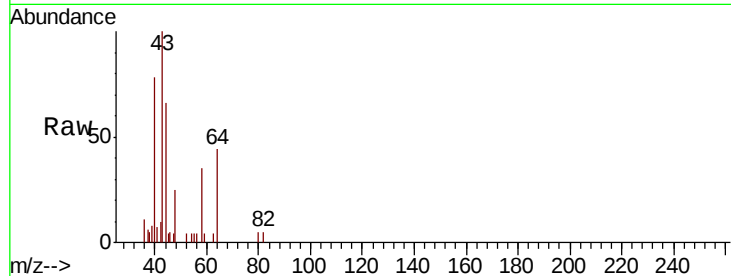




#13
Acrolein
Concen: 1.591 ug/l
RT: 2.43 min Scan# 209
Delta R.T. 0.13 min
Lab File: VX007879.D
Acq: 07 Mar 2019 13:11

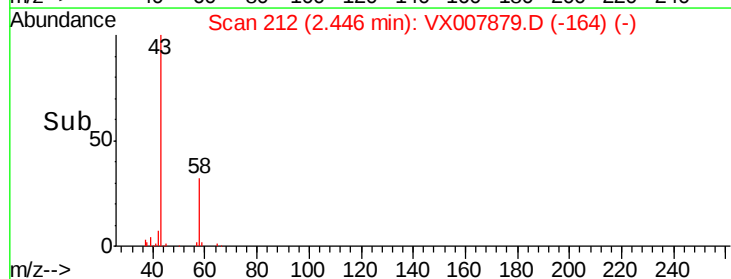
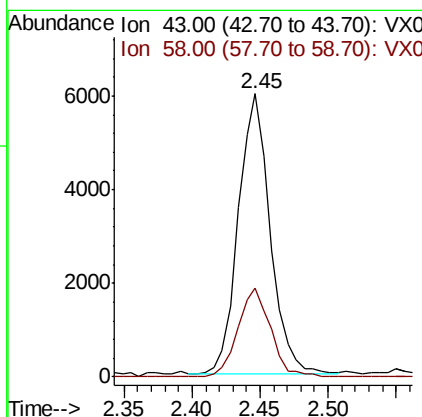
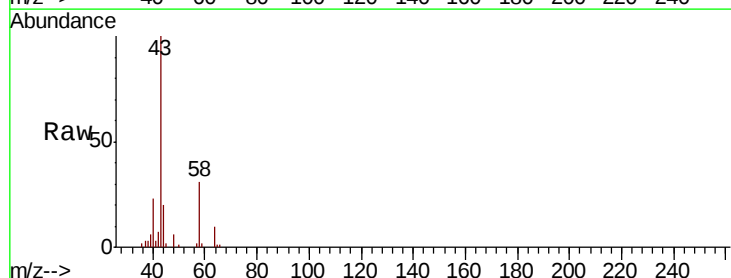
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-EB-20190305

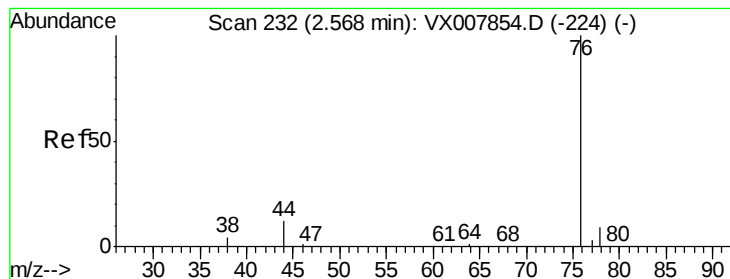
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 305.0 57.8 86.6#



#16
Acetone
Concen: 5.403 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.01 min
Lab File: VX007879.D
Acq: 07 Mar 2019 13:11

Tgt Ion: 43 Resp: 9828
Ion Ratio Lower Upper
43 100
58 31.5 25.5 38.3





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX007879.D

Acq: 07 Mar 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

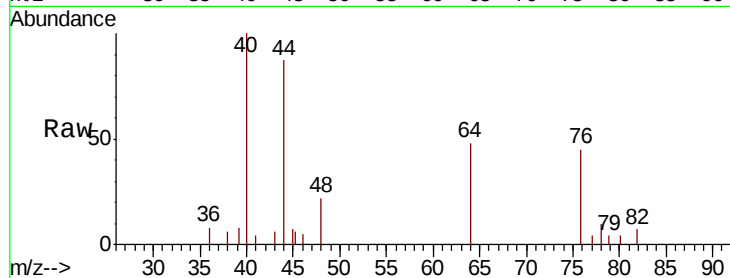
BP-VPB201-EB-20190305

Tgt Ion: 76 Resp: 963

Ion Ratio Lower Upper

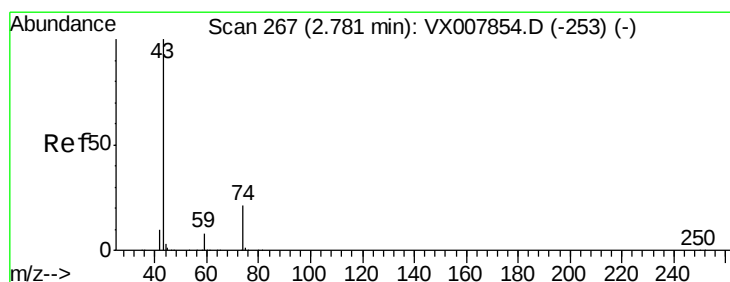
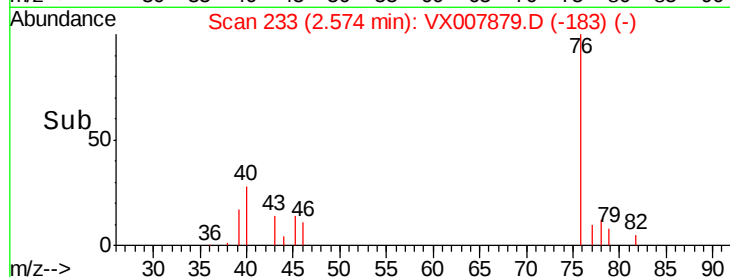
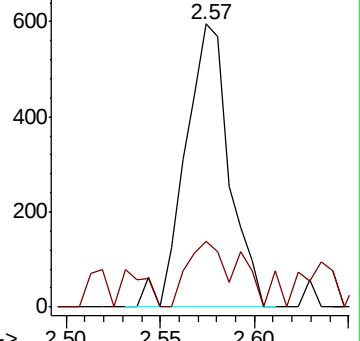
76 100

78 10.3 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.201 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX007879.D

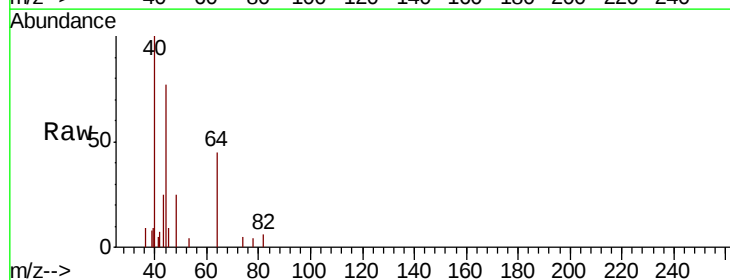
Acq: 07 Mar 2019 13:11

Tgt Ion: 43 Resp: 777

Ion Ratio Lower Upper

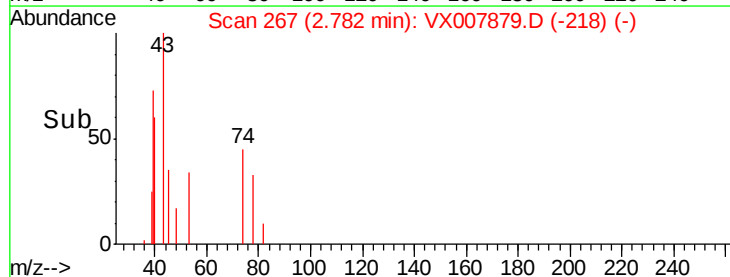
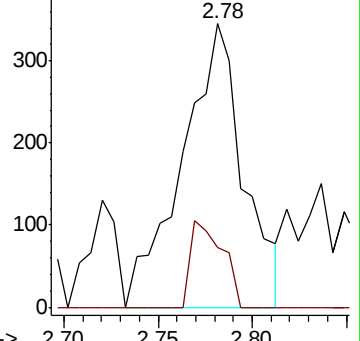
43 100

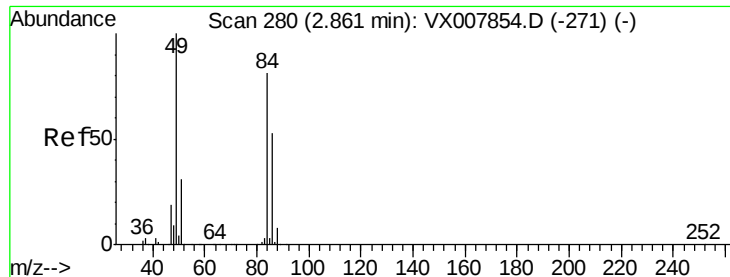
74 15.8 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

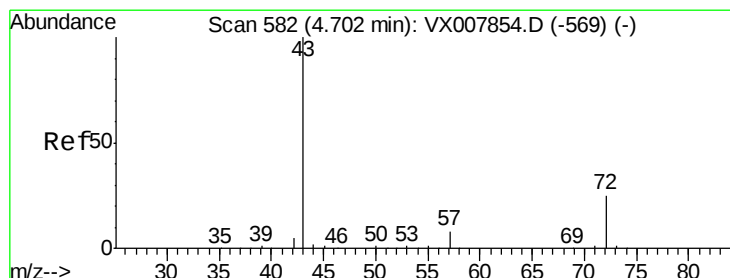
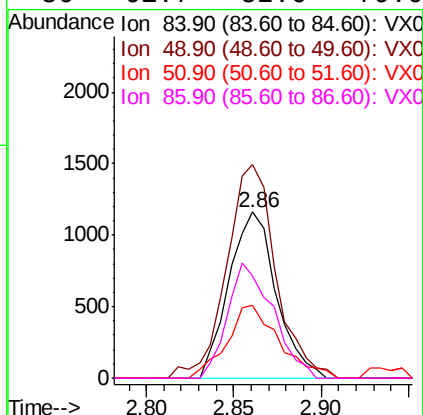
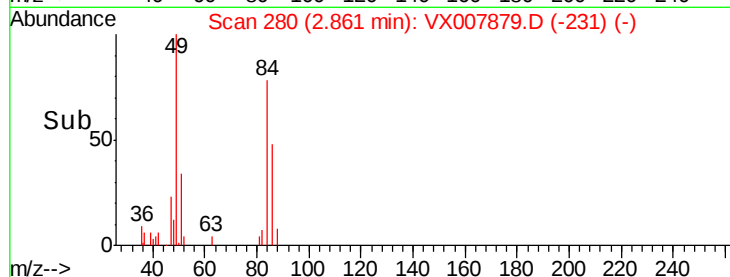
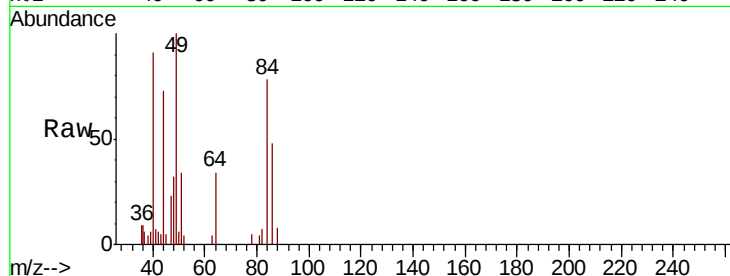




#20
Methylene Chloride
Concen: 0.756 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007879.D
Acq: 07 Mar 2019 13:11

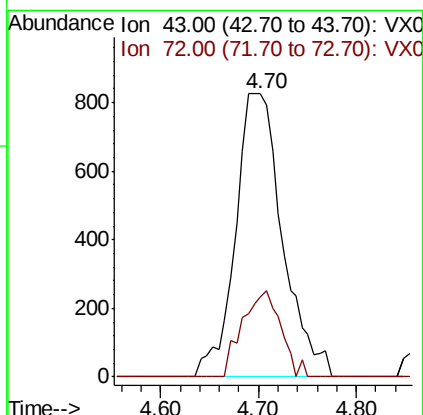
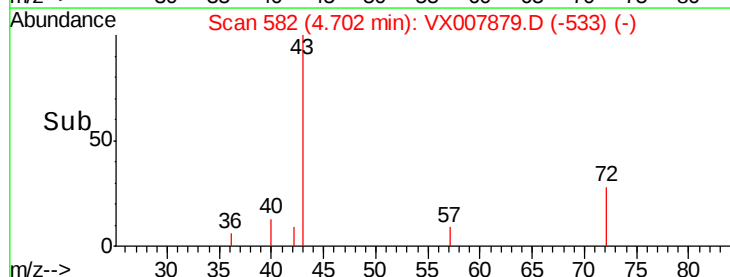
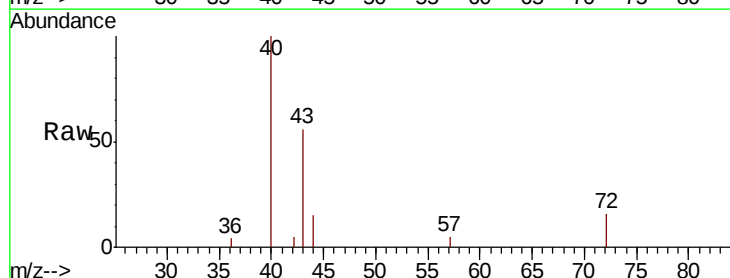
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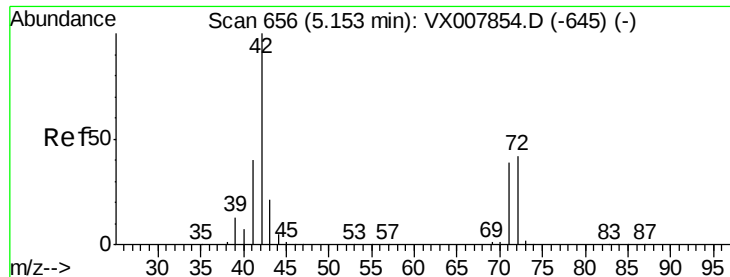
Tgt Ion:	84	Resp:	2189
Ion	Ratio	Lower	Upper
84	100		
49	128.8	99.3	148.9
51	43.9	31.3	46.9
86	61.7	52.6	79.0



#25
2-Butanone
Concen: 1.075 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.00 min
Lab File: VX007879.D
Acq: 07 Mar 2019 13:11

Tgt Ion:	43	Resp:	2767
Ion	Ratio	Lower	Upper
43	100		
72	28.2	19.9	29.9

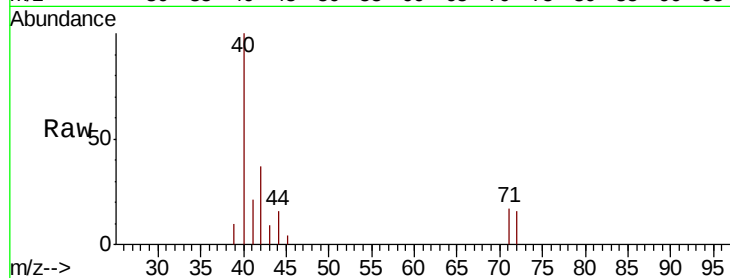




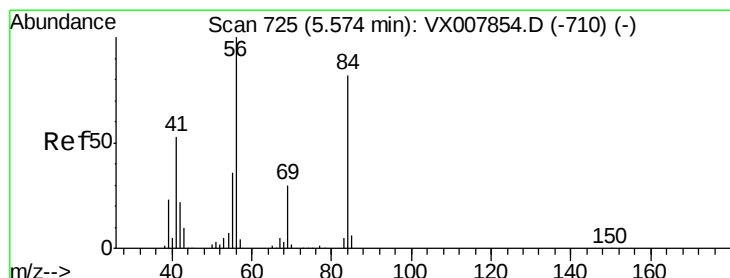
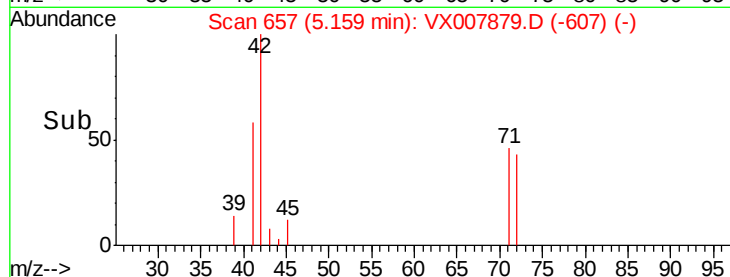
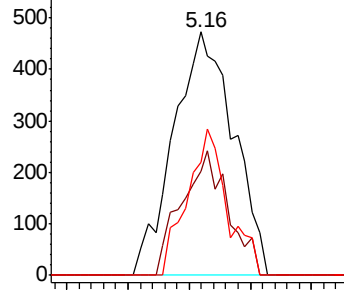
#29
Tetrahydrofuran
Concen: 1.004 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX007879.D
Acq: 07 Mar 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-EB-20190305

Tgt Ion: 42 Resp: 1613
Ion Ratio Lower Upper
42 100
72 39.9 33.8 50.6
71 40.1 31.5 47.3

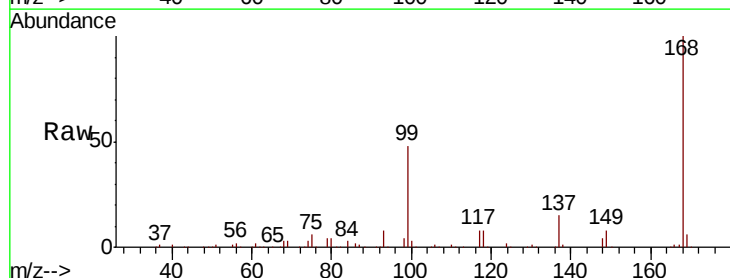


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

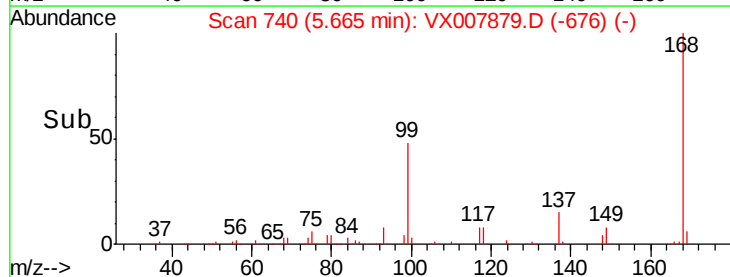
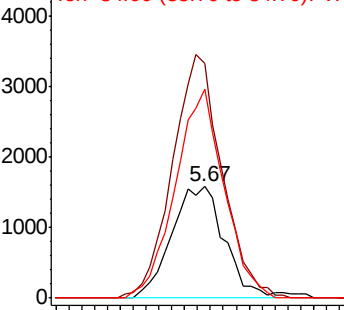


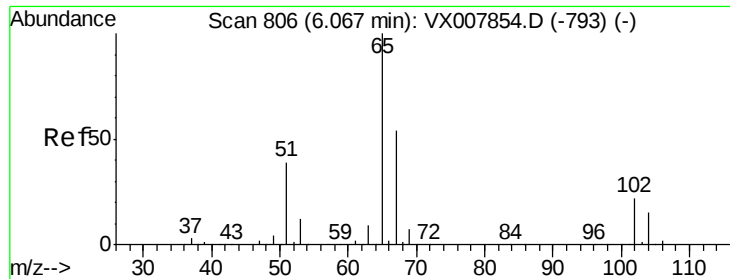
#31
Cyclohexane
Concen: 0.931 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007879.D
Acq: 07 Mar 2019 13:11

Tgt Ion: 56 Resp: 4496
Ion Ratio Lower Upper
56 100
69 207.1 24.0 36.0#
84 188.3 65.3 97.9#



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

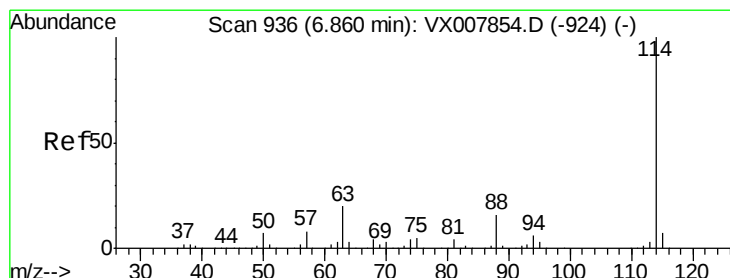
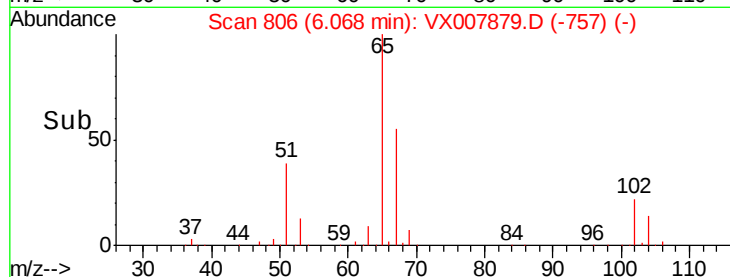
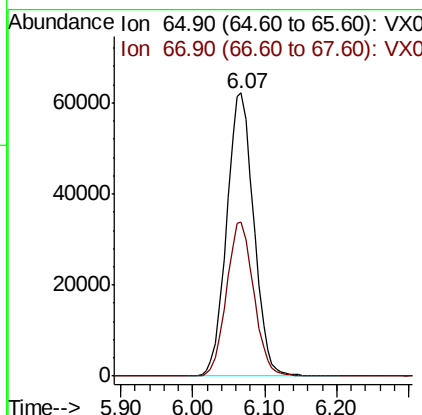
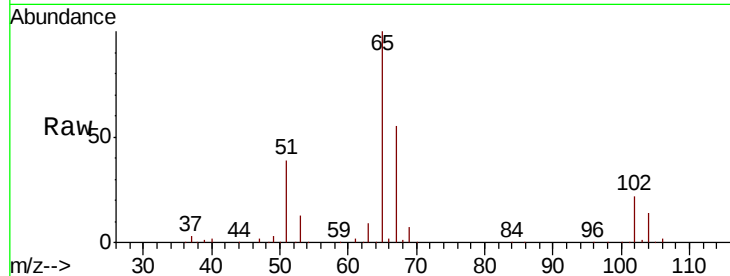




#33
 1,2-Dichloroethane-d4
 Concen: 51.815 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007879.D
 Acq: 07 Mar 2019 13:11

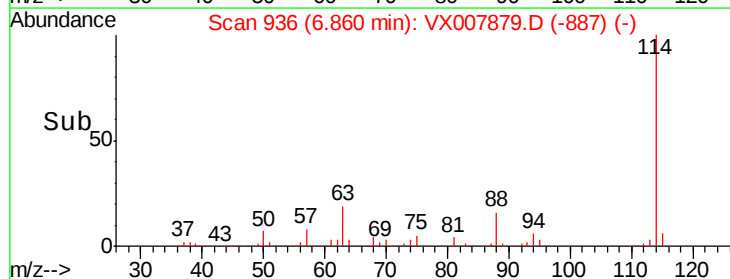
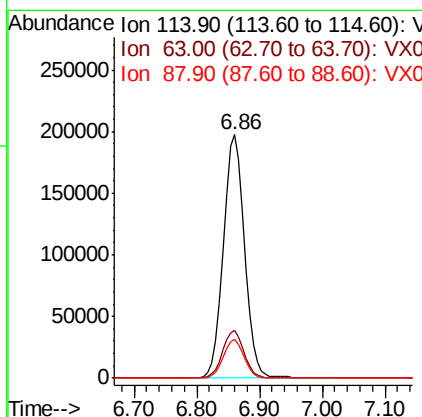
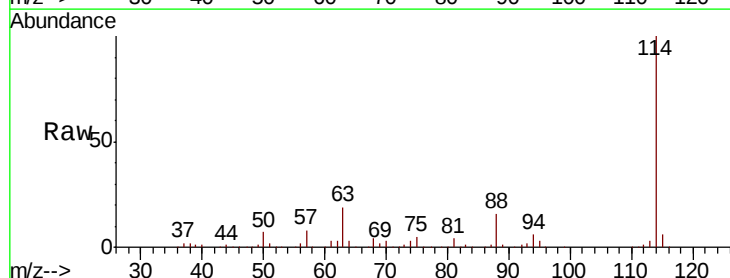
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 MSVOA_X
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 BP-VPB201-EB-20190305

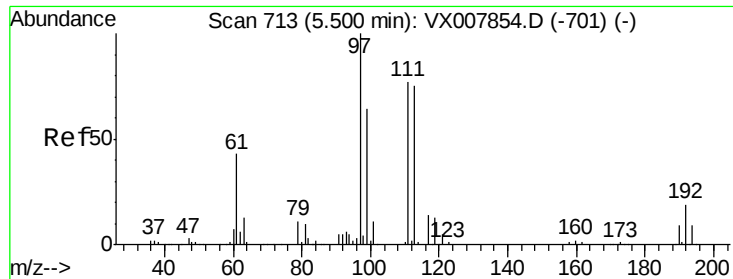
Tgt Ion: 65 Resp: 162826
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007879.D
 Acq: 07 Mar 2019 13:11

Tgt Ion: 114 Resp: 461294
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.8 0.0 31.4

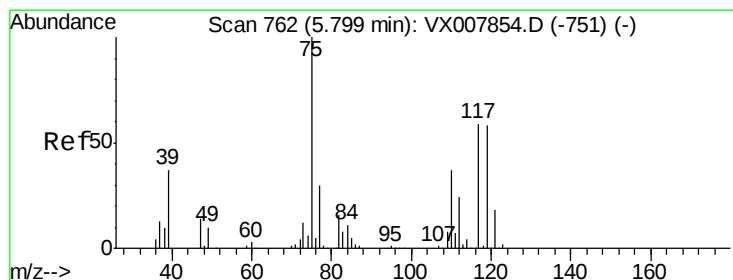
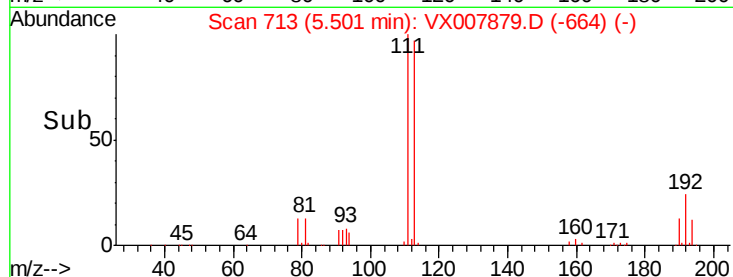
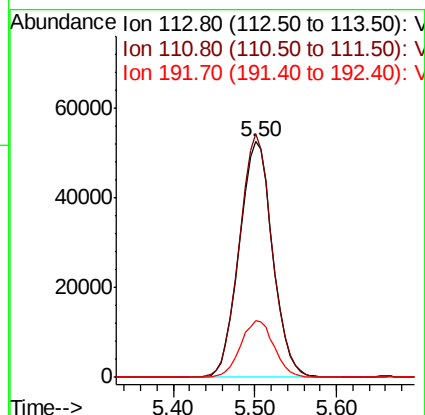
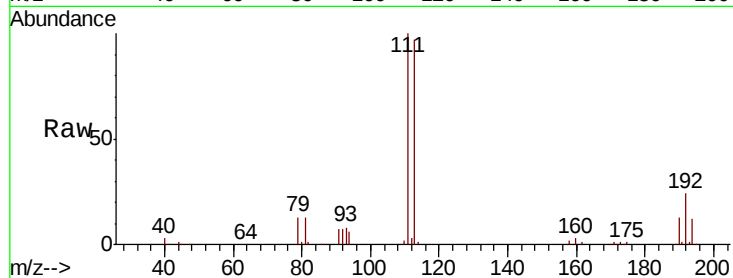




#35
 Dibromofluoromethane
 Concen: 50.646 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX007879.D
 Acq: 07 Mar 2019 13:11

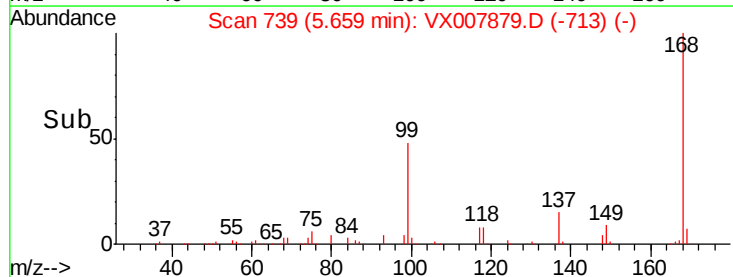
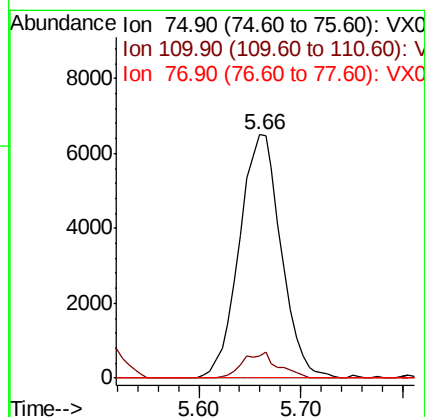
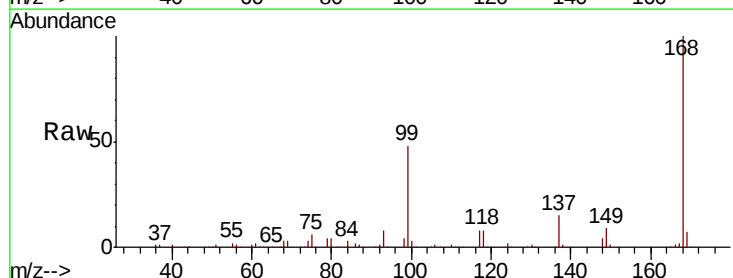
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-EB-20190305

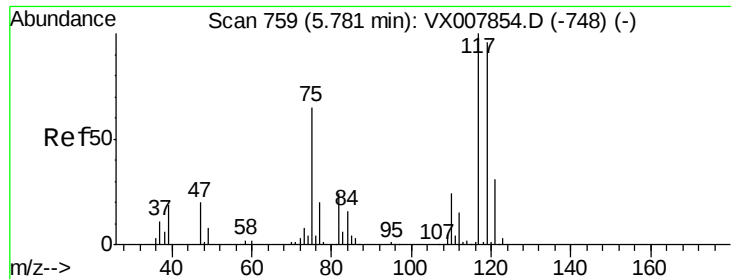
Tgt Ion:113 Resp: 149444
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.4 122.0
 192 24.1 19.4 29.0



#36
 1,1-Dichloropropene
 Concen: 4.426 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX007879.D
 Acq: 07 Mar 2019 13:11

Tgt Ion: 75 Resp: 18485
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.4 55.0#
 77 0.0 25.0 37.4#

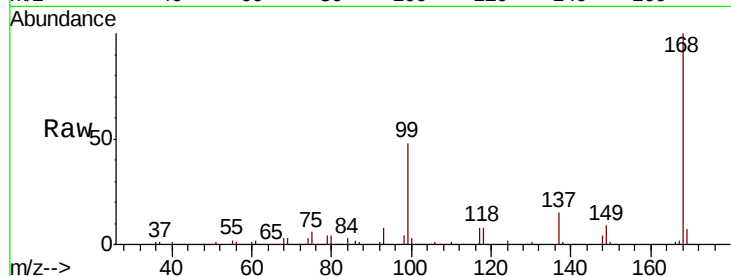




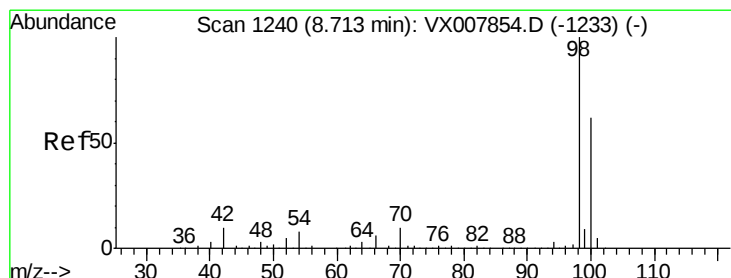
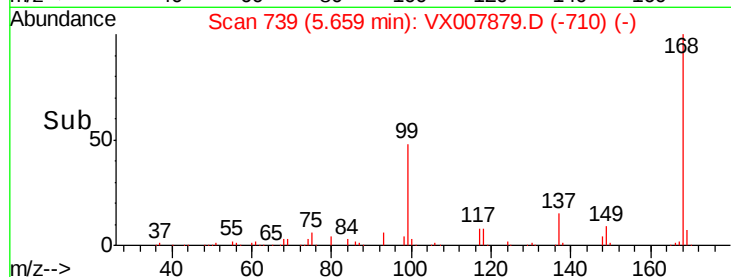
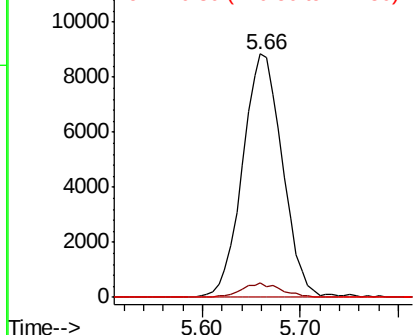
#38
Carbon Tetrachloride
Concen: 6.295 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX007879.D
Acq: 07 Mar 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-EB-20190305

Tgt Ion: 117 Resp: 24961
Ion Ratio Lower Upper
117 100
119 5.8 76.2 114.2#
121 0.0 24.6 36.8#

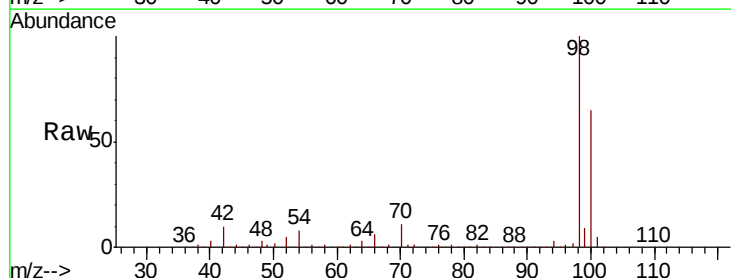


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

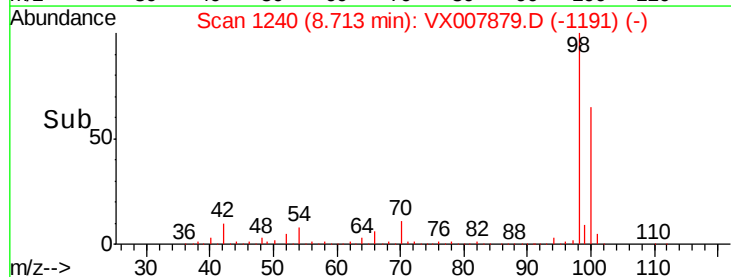
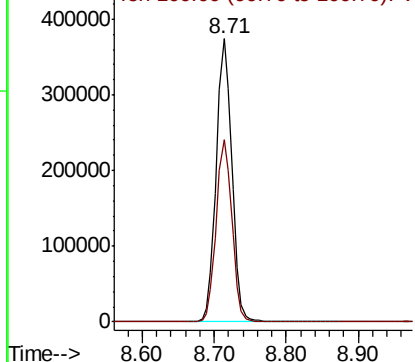


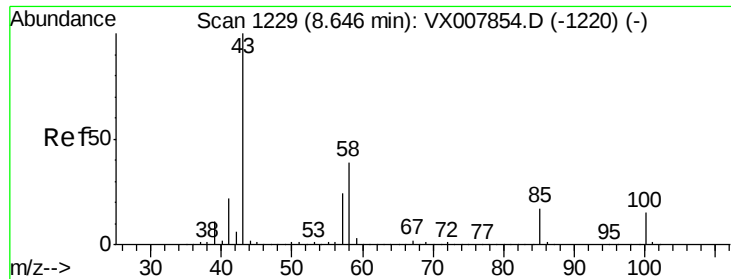
#50
Toluene-d8
Concen: 51.896 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007879.D
Acq: 07 Mar 2019 13:11

Tgt Ion: 98 Resp: 562380
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5



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

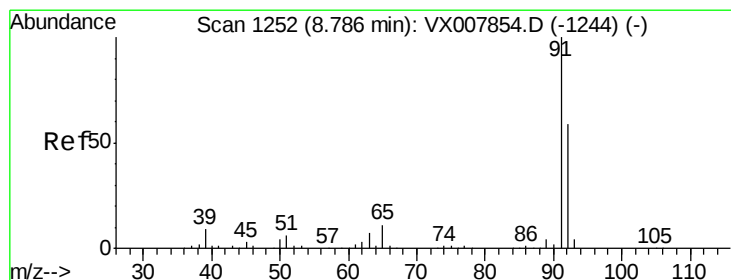
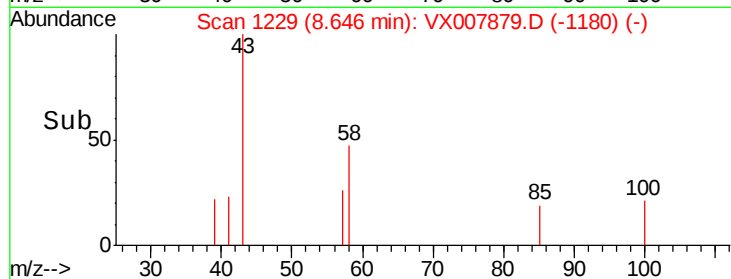
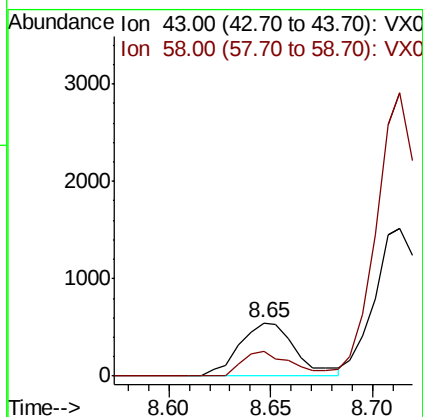
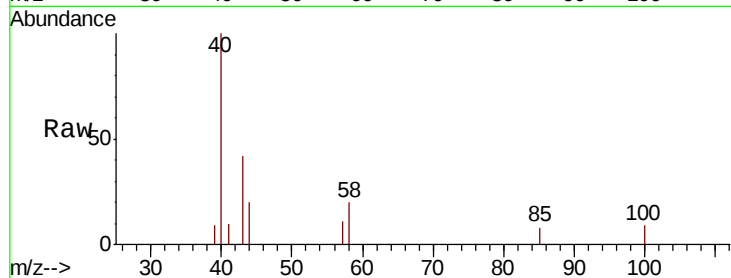




#51
 4-Methyl-2-Pentanone
 Concen: 0.222 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VX007879.D
 Acq: 07 Mar 2019 13:11

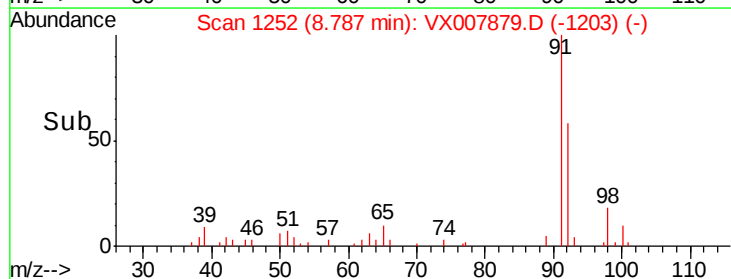
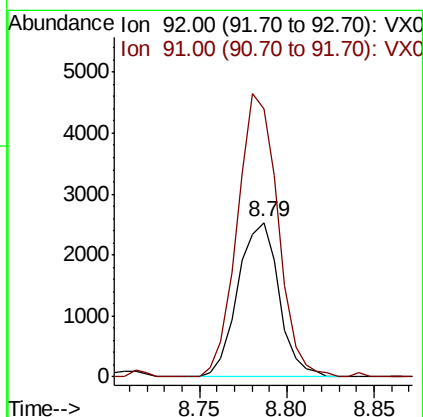
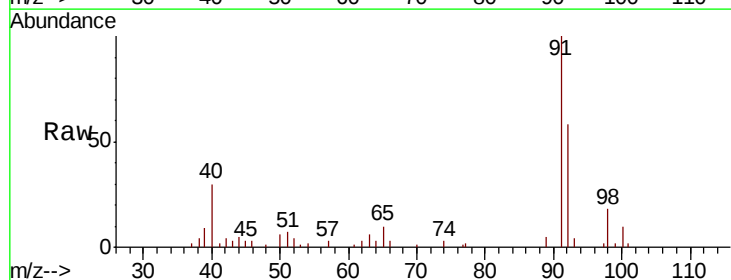
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-EB-20190305

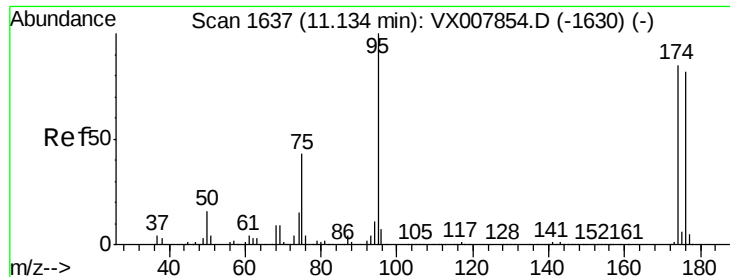
Tgt Ion: 43 Resp: 1046
 Ion Ratio Lower Upper
 43 100
 58 40.3 31.3 46.9



#52
 Toluene
 Concen: 0.545 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VX007879.D
 Acq: 07 Mar 2019 13:11

Tgt Ion: 92 Resp: 4136
 Ion Ratio Lower Upper
 92 100
 91 181.6 137.4 206.0





#62

4-Bromofluorobenzene

Concen: 54.334 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007879.D

Acq: 07 Mar 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-EB-20190305

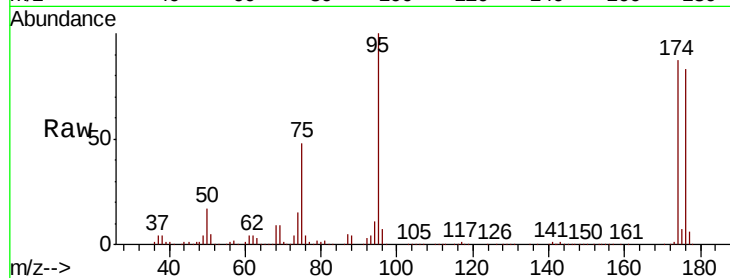
Tgt Ion: 95 Resp: 206437

Ion Ratio Lower Upper

95 100

174 92.2 0.0 182.8

176 88.7 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

100000

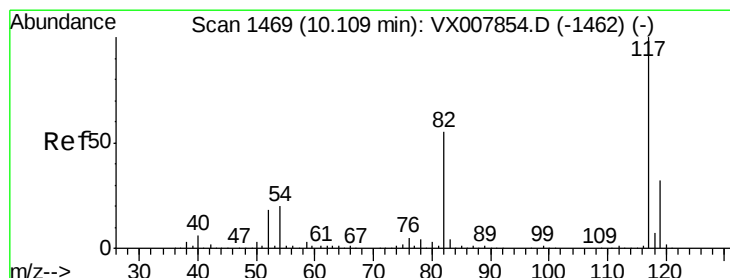
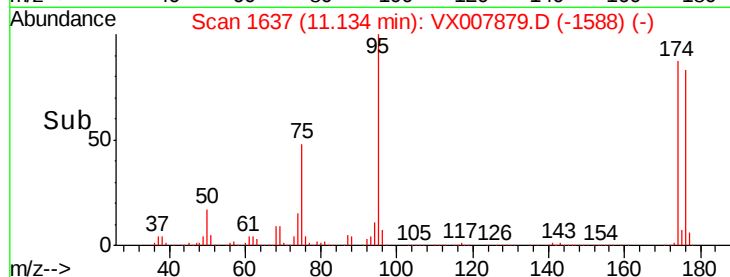
50000

0

11.13

11.10 11.20 11.30

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007879.D

Acq: 07 Mar 2019 13:11

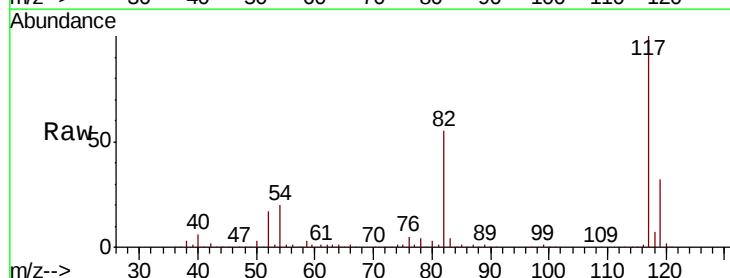
Tgt Ion: 117 Resp: 438850

Ion Ratio Lower Upper

117 100

82 55.2 44.3 66.5

119 32.0 25.3 37.9



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

400000

300000

200000

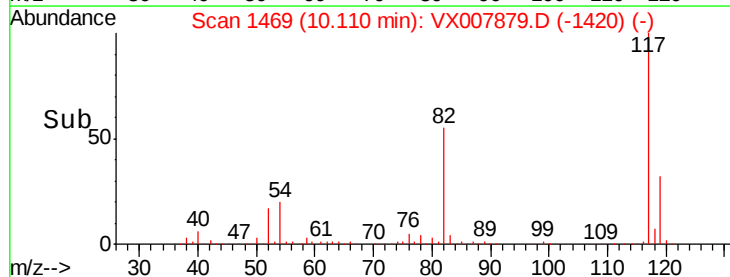
100000

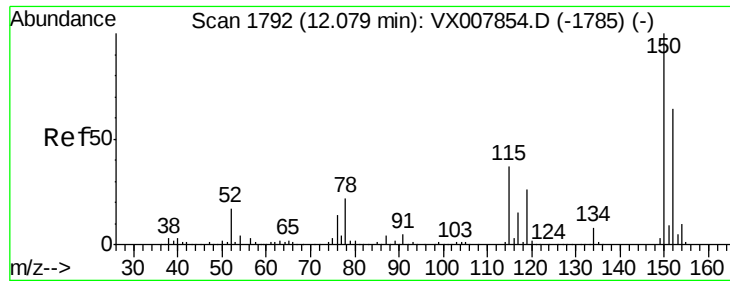
0

10.11

10.00 10.10 10.20

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007879.D

Acq: 07 Mar 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-EB-20190305

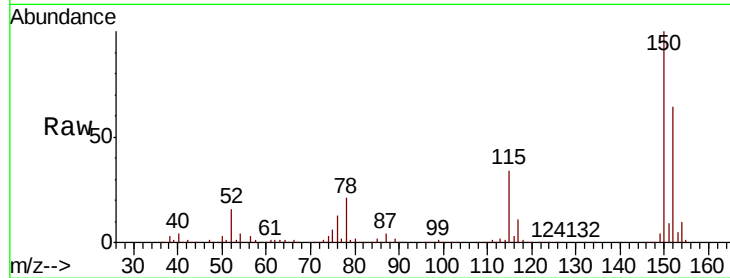
Tgt Ion:152 Resp: 212515

Ion Ratio Lower Upper

152 100

115 54.6 38.6 115.7

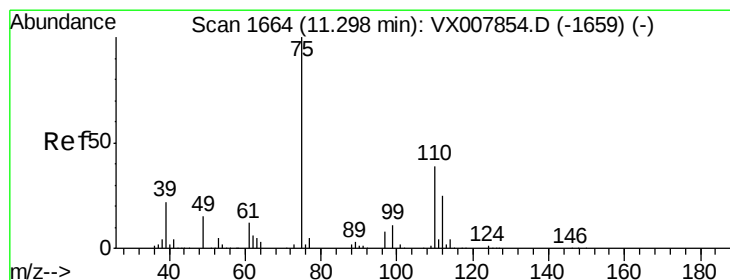
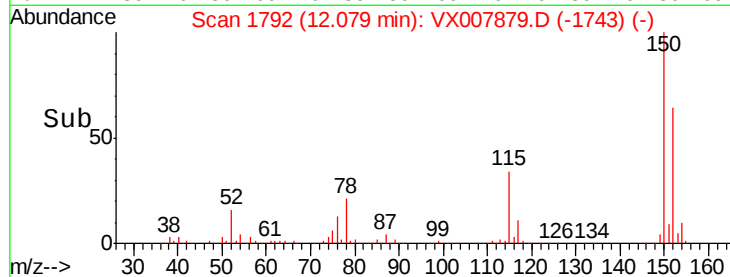
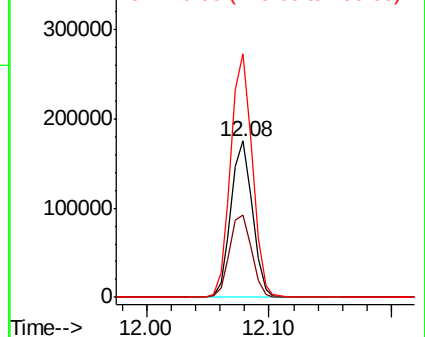
150 156.6 0.0 348.4



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: 21.648 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007879.D

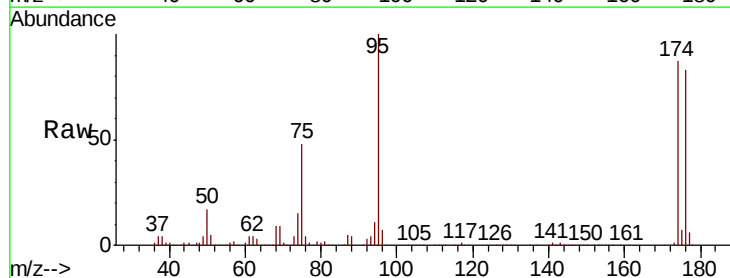
Acq: 07 Mar 2019 13:11

Tgt Ion: 75 Resp: 96540

Ion Ratio Lower Upper

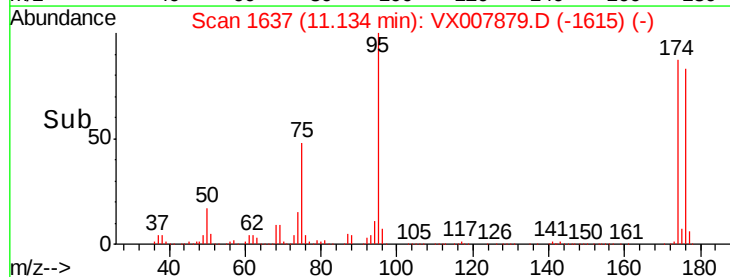
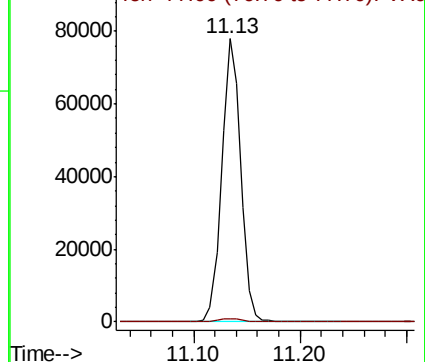
75 100

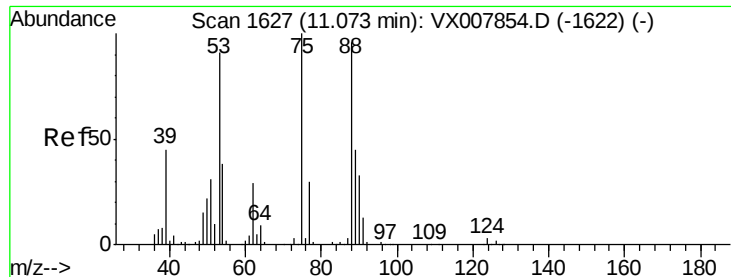
77 1.2 18.9 56.7#



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: 69.199 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007879.D

Acq: 07 Mar 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-EB-20190305

Tgt Ion: 75 Resp: 96540

Ion Ratio Lower Upper

75 100

53 0.1 76.1 114.1#

89 0.0 36.3 54.5#

