

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120718\
 Data File : VX006346.D
 Acq On : 07 Dec 2018 14:45
 Operator : JC/MD
 Sample : J6252-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW11S-M16W4-11-27-18

Quant Time: Dec 08 00:11:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	808773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1235442	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1127019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	557536	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	408038	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
35) Dibromofluoromethane	5.51	113	382510	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	
50) Toluene-d8	8.71	98	1447665	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
62) 4-Bromofluorobenzene	11.13	95	546819	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	

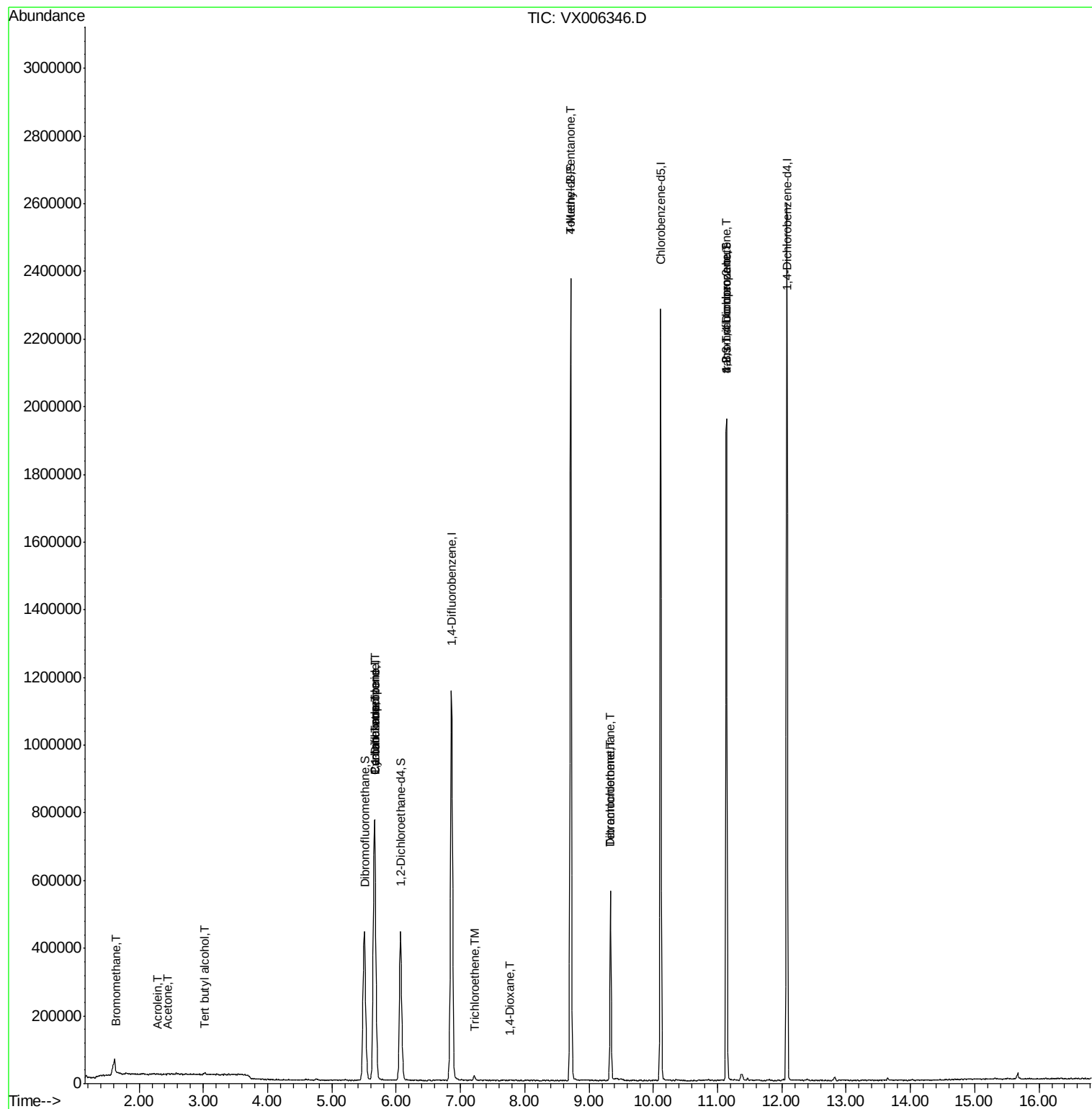
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1261	0.208	ug/l #	69
11) Tert butyl alcohol	3.02	59	2935	1.300	ug/l #	73
13) Acrolein	2.29	56	387	0.314	ug/l #	12
16) Acetone	2.45	43	1635	0.422	ug/l	97
31) Cyclohexane	5.67	56	13041	1.093	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	50156	4.821	ug/l #	49
38) Carbon Tetrachloride	5.66	117	73769	6.027	ug/l #	16
44) Trichloroethene	7.21	130	5195	0.550	ug/l	96
49) 1,4-Dioxane	7.76	88	124	0.532	ug/l #	1
51) 4-Methyl-2-Pentanone	8.71	43	5580	0.493	ug/l #	1
60) Dibromochloromethane	9.34	129	101551	9.889	ug/l #	11
64) Tetrachloroethene	9.34	164	111053	13.084	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	242757	22.558	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	242757	52.938	ug/l #	15

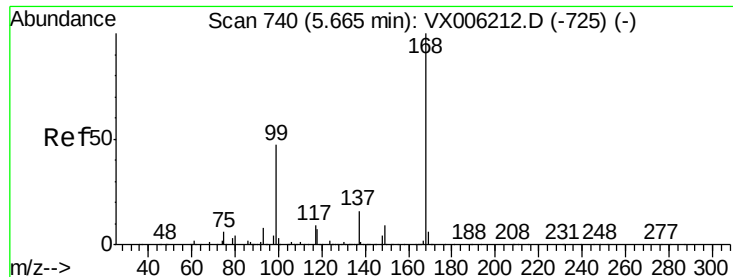
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 30 03:55:33 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX006346.D

Acq: 07 Dec 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

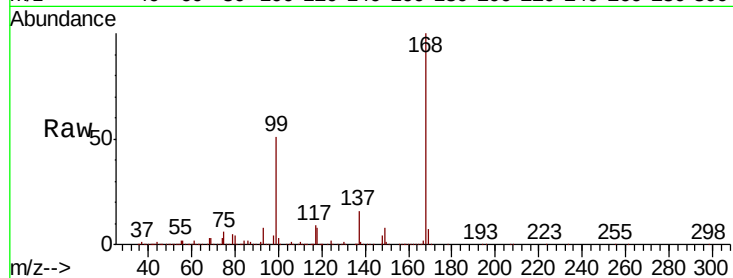
CPA-CPMW11S-M16W4-11-27-18

Tot Ion:168 Resp: 808773

Ion Ratio Lower Upper

168 100

99 51.0 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

300000

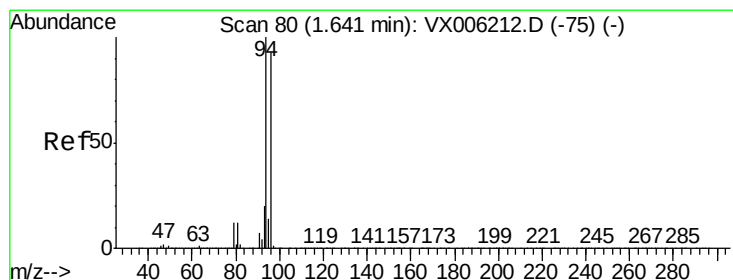
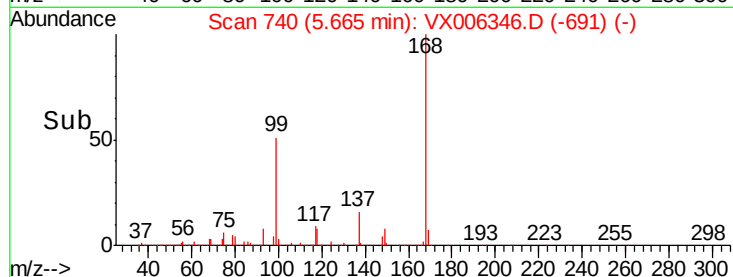
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.208 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX006346.D

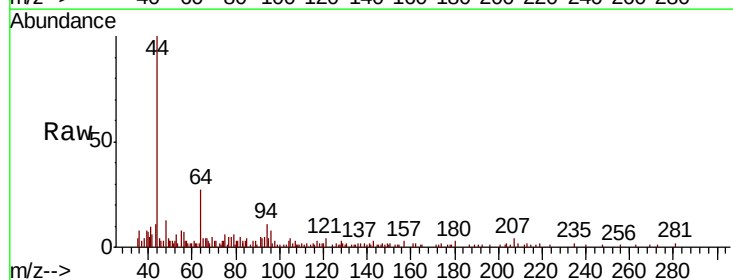
Acq: 07 Dec 2018 14:45

Tgt Ion: 94 Resp: 1261

Ion Ratio Lower Upper

94 100

96 63.4 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

800

600

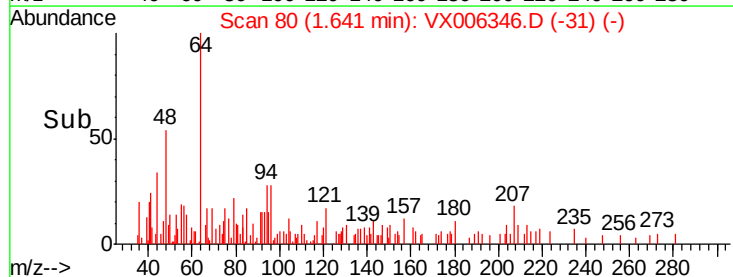
400

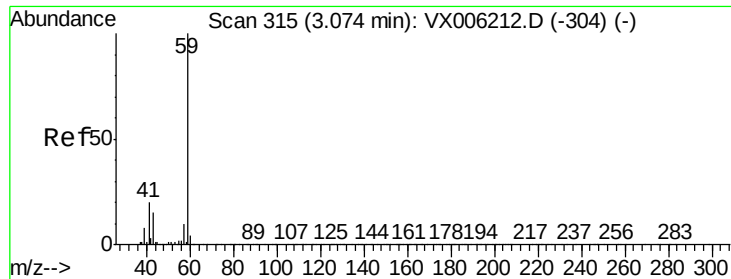
200

0

Time-->

1.60 1.65 1.70 1.75

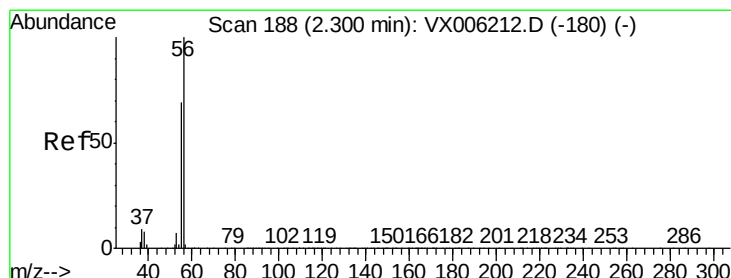
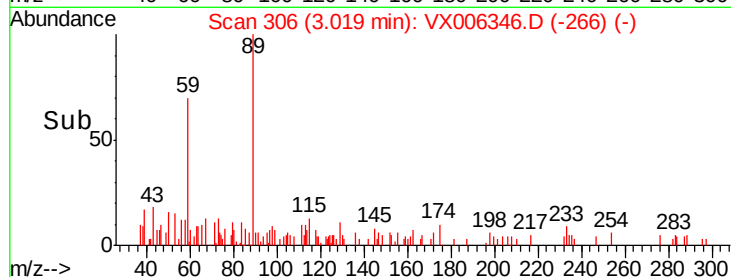
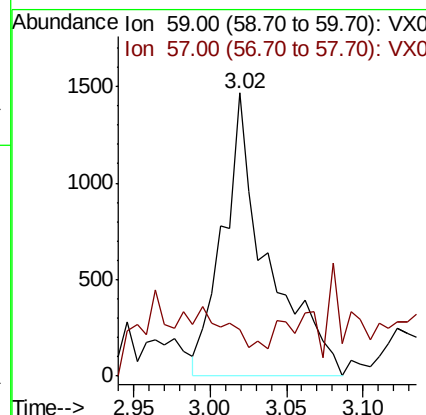
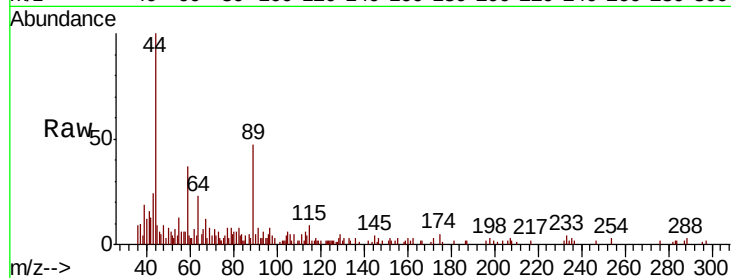




#11
Tert butyl alcohol
Concen: 1.300 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.05 min
Lab File: VX006346.D
Acq: 07 Dec 2018 14:45

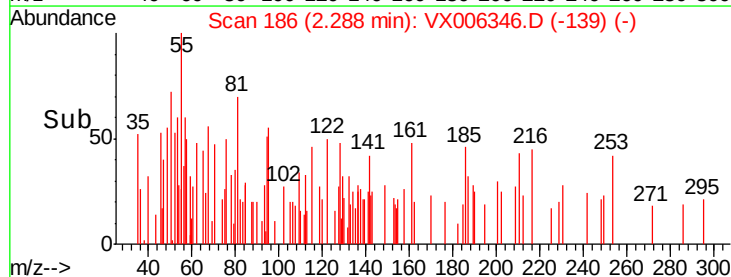
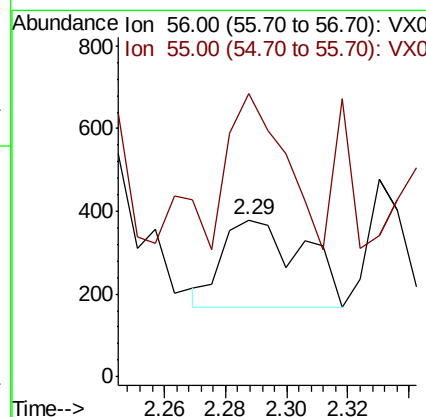
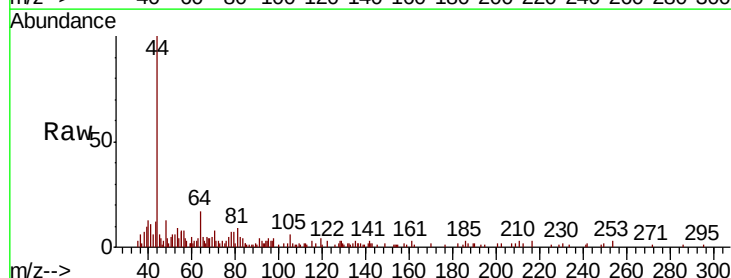
Instrument :
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ClientSampleId :
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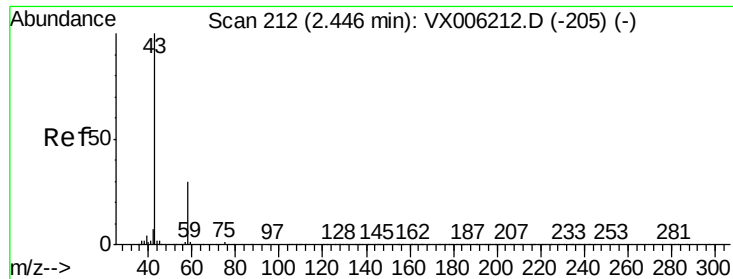
Tot Ion: 59 Resp: 2935
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 0.314 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX006346.D
Acq: 07 Dec 2018 14:45

Tgt Ion: 56 Resp: 387
Ion Ratio Lower Upper
56 100
55 145.7 57.8 86.6#

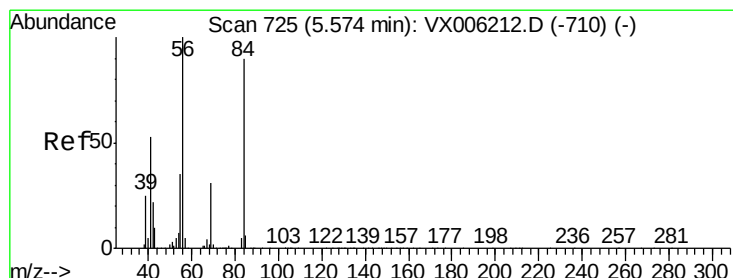
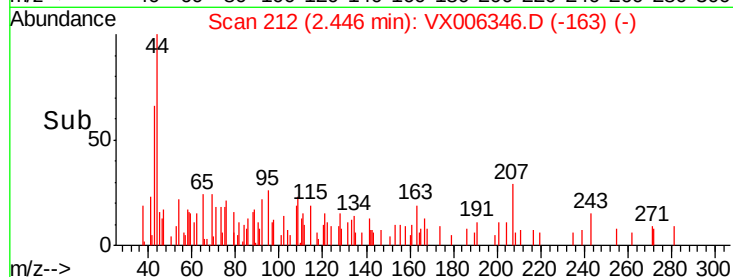
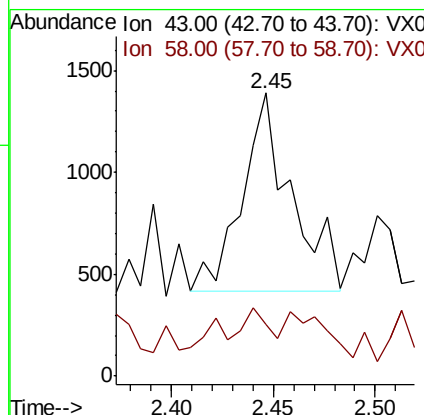
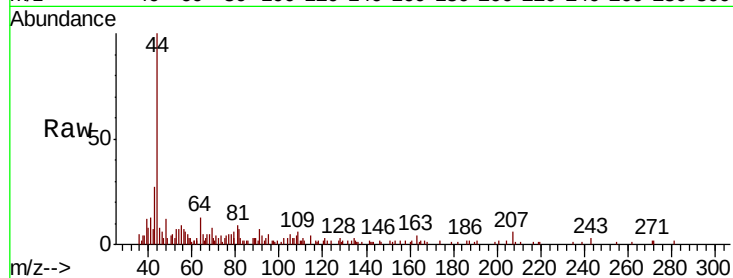




#16
Acetone
Concen: 0.422 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006346.D
Acq: 07 Dec 2018 14:45

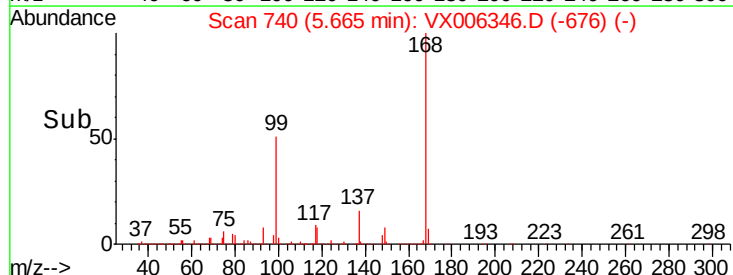
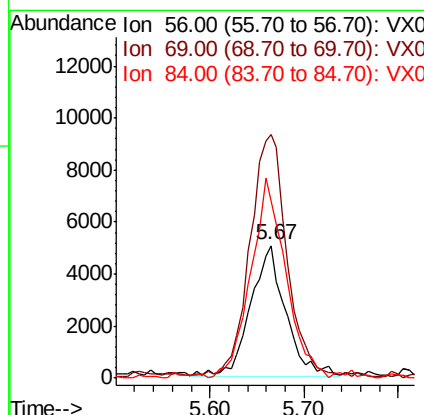
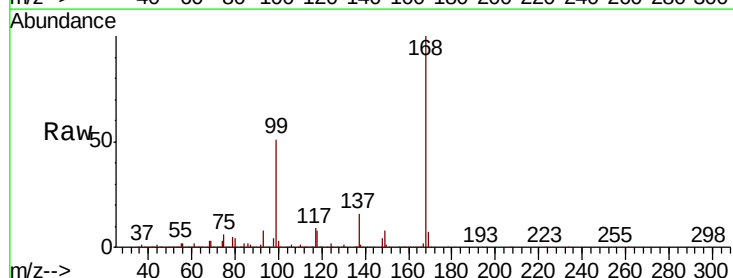
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW11S-M16W4-11-27-18

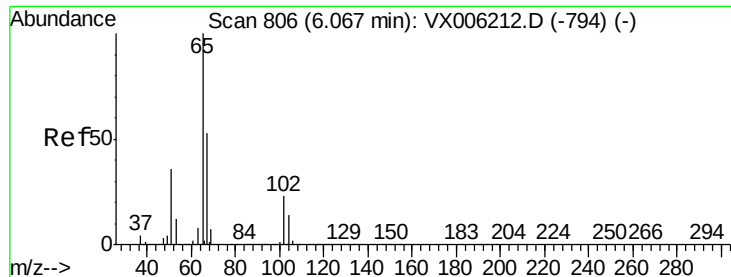
Tot Ion: 43 Resp: 1635
Ion Ratio Lower Upper
43 100
58 28.2 24.0 36.0



#31
Cyclohexane
Concen: 1.093 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX006346.D
Acq: 07 Dec 2018 14:45

Tgt Ion: 56 Resp: 13041
Ion Ratio Lower Upper
56 100
69 184.8 24.5 36.7#
84 133.6 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 49.422 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006346.D

Acq: 07 Dec 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

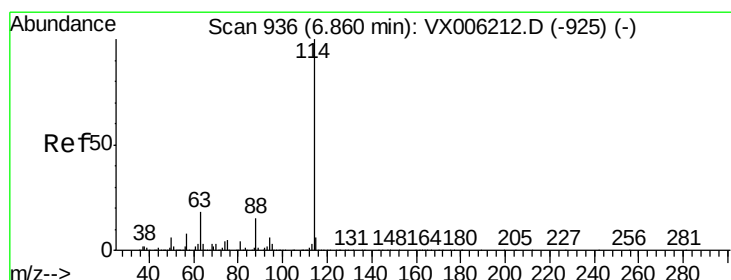
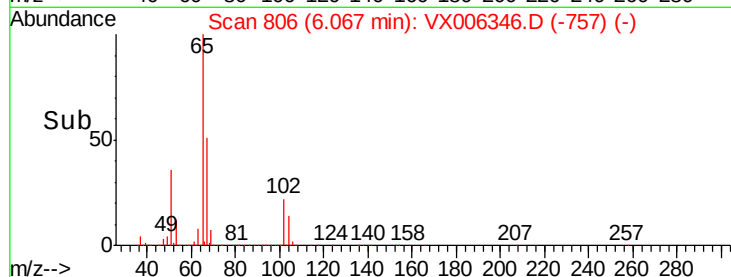
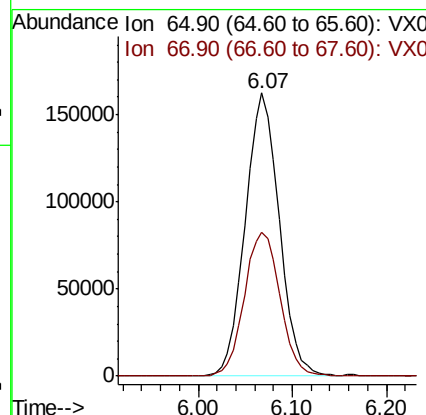
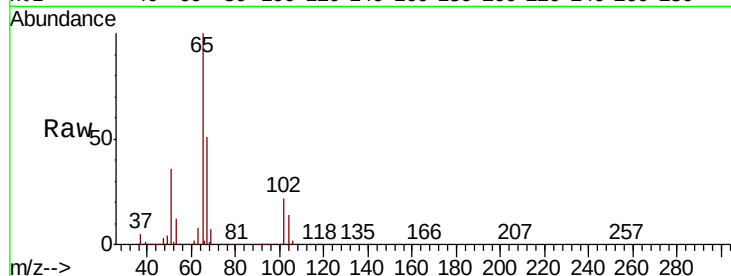
CPA-CPMW11S-M16W4-11-27-18

Tot Ion: 65 Resp: 408038

Ion Ratio Lower Upper

65 100

67 53.4 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006346.D

Acq: 07 Dec 2018 14:45

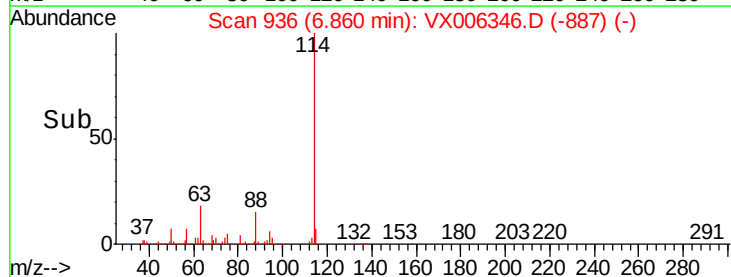
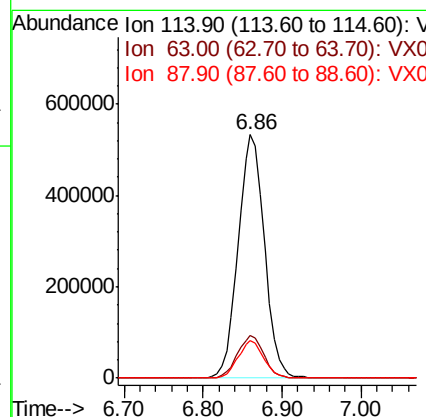
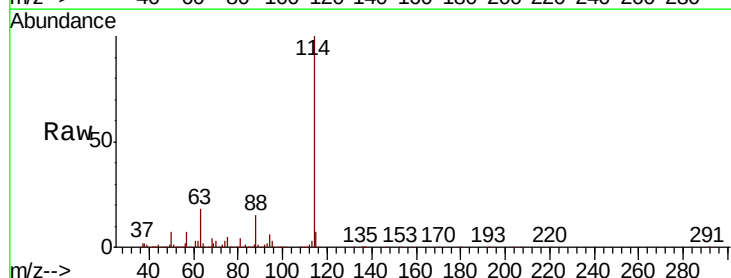
Tgt Ion: 114 Resp: 1235442

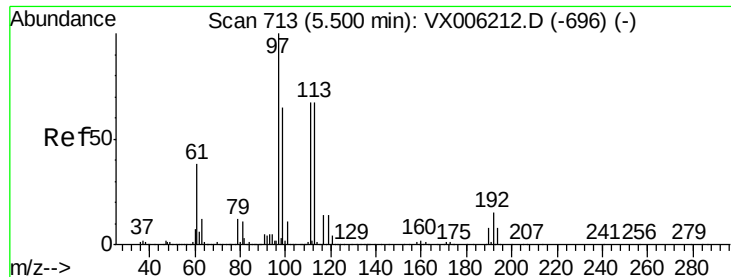
Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.6

88 15.3 0.0 29.0





#35

Dibromofluoromethane

Concen: 47.820 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006346.D

Acq: 07 Dec 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW11S-M16W4-11-27-18

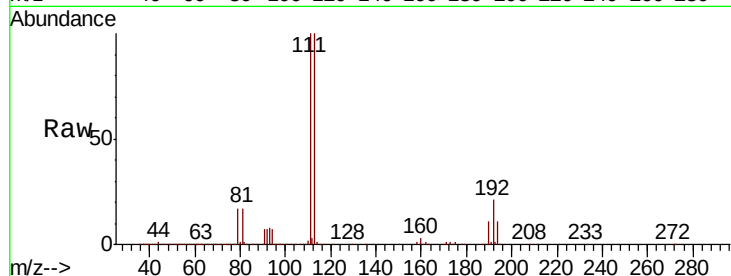
Tot Ion:113 Resp: 382510

Ion Ratio Lower Upper

113 100

111 102.2 81.1 121.7

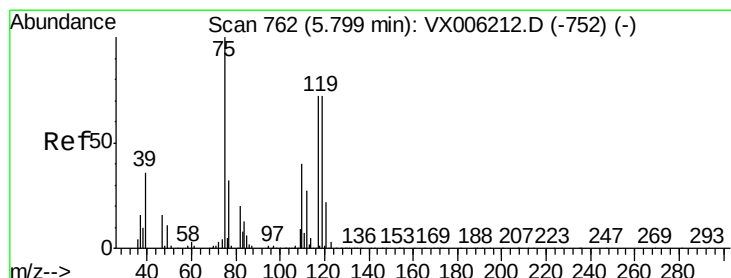
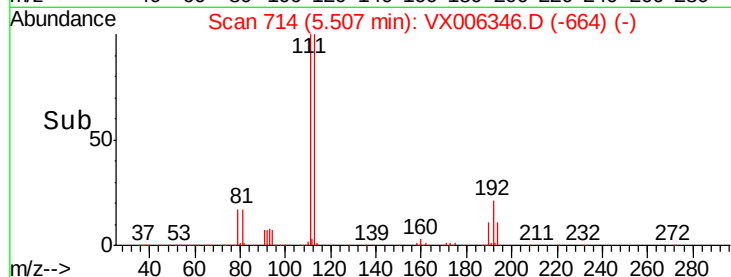
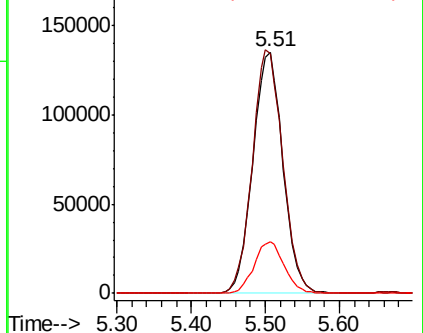
192 21.4 18.2 27.2



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: 4.821 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006346.D

Acq: 07 Dec 2018 14:45

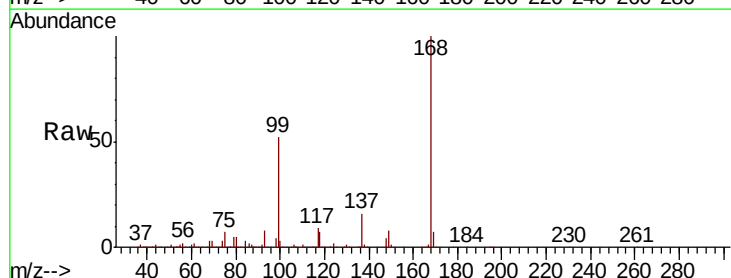
Tgt Ion: 75 Resp: 50156

Ion Ratio Lower Upper

75 100

110 10.9 20.4 61.3#

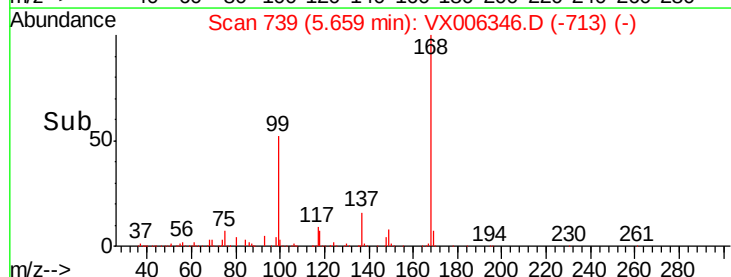
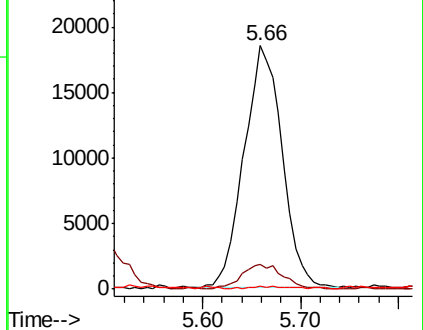
77 1.2 24.9 37.3#

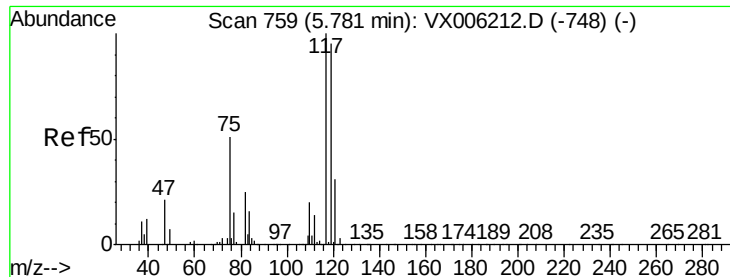


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

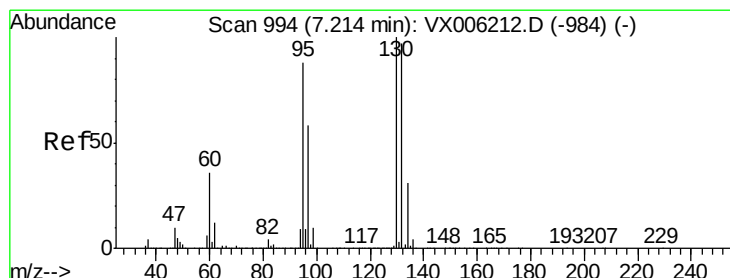
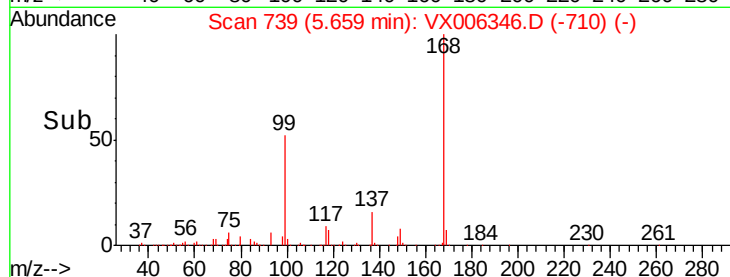
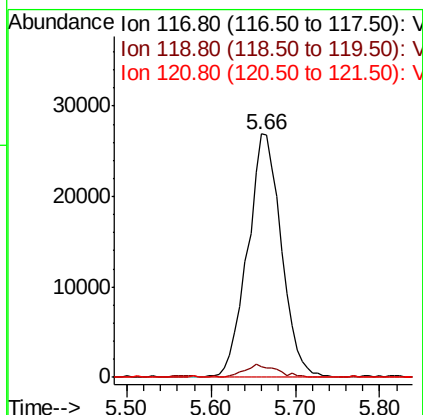
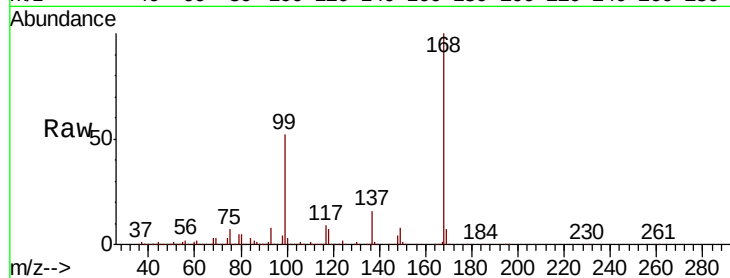




#38
Carbon Tetrachloride
Concen: 6.027 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX006346.D
Acq: 07 Dec 2018 14:45

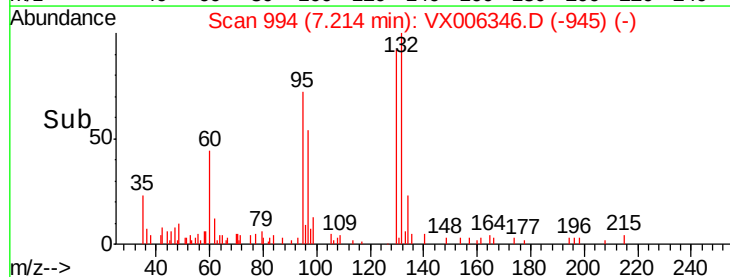
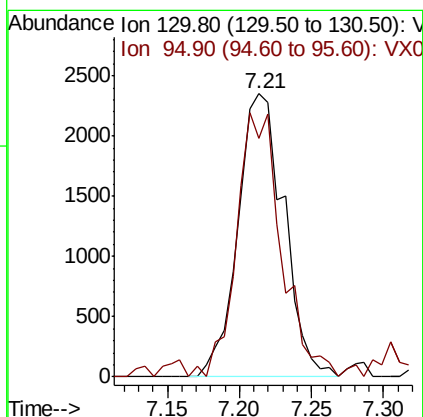
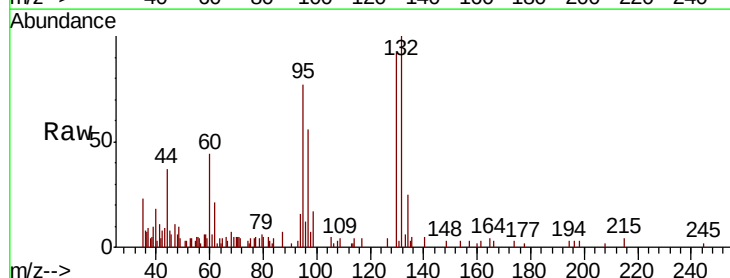
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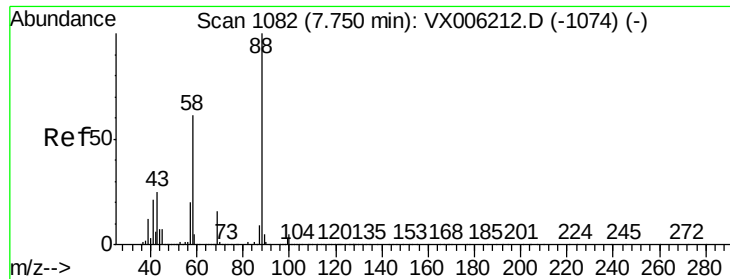
Tot Ion:117 Resp: 73769
Ion Ratio Lower Upper
117 100
119 4.2 75.8 113.8#
121 0.0 24.6 37.0#



#44
Trichloroethene
Concen: 0.550 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX006346.D
Acq: 07 Dec 2018 14:45

Tgt Ion:130 Resp: 5195
Ion Ratio Lower Upper
130 100
95 84.2 0.0 175.8

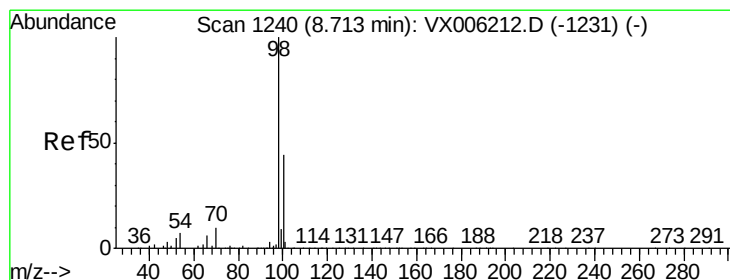
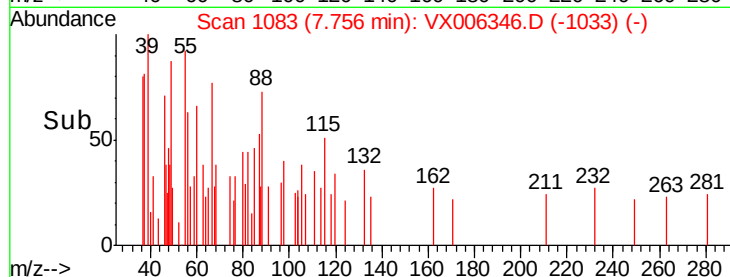
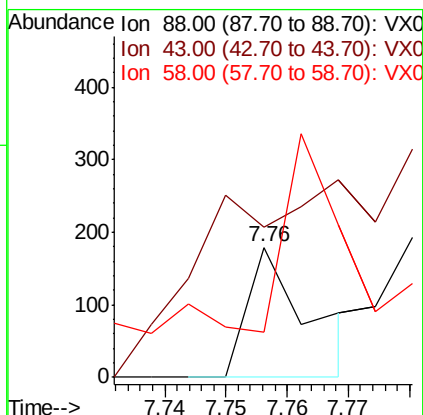
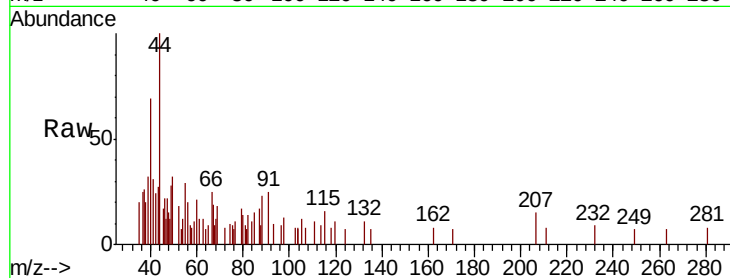




#49
1,4-Dioxane
Concen: 0.532 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX006346.D
Acq: 07 Dec 2018 14:45

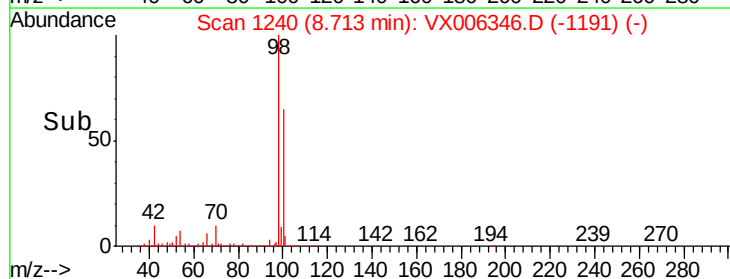
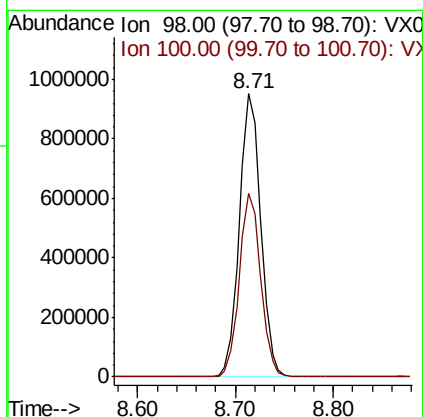
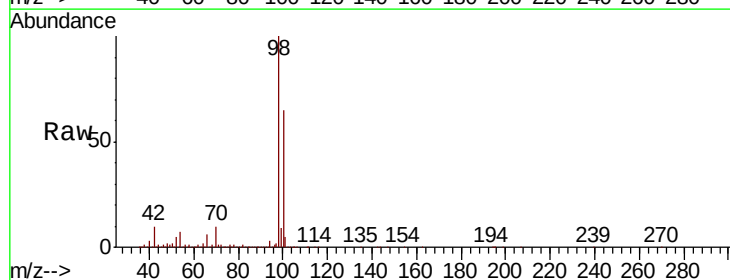
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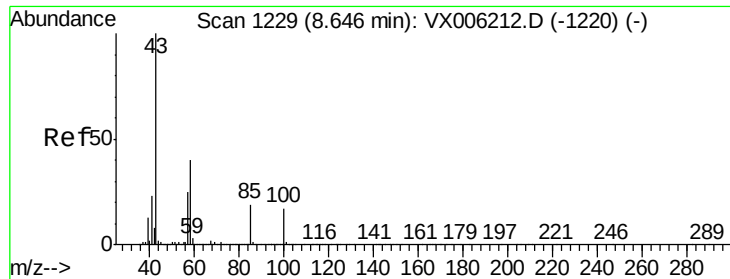
Tot Ion: 88 Resp: 124
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 334.7 51.4 77.0#



#50
Toluene-d8
Concen: 49.755 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006346.D
Acq: 07 Dec 2018 14:45

Tgt Ion: 98 Resp: 1447665
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2

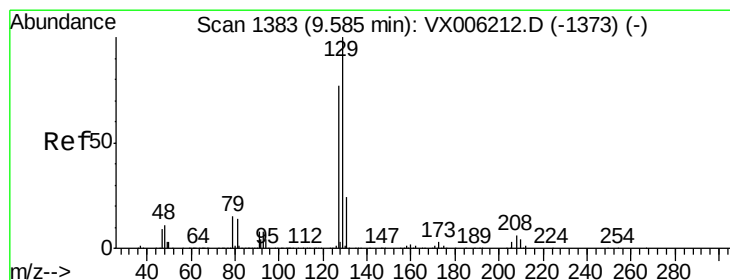
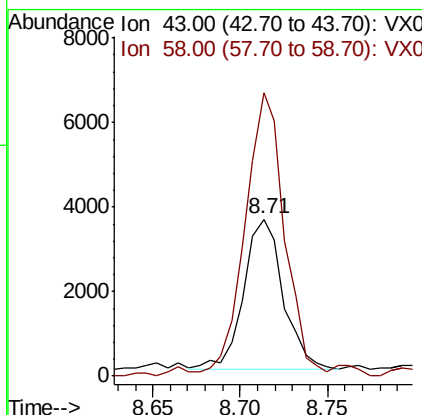
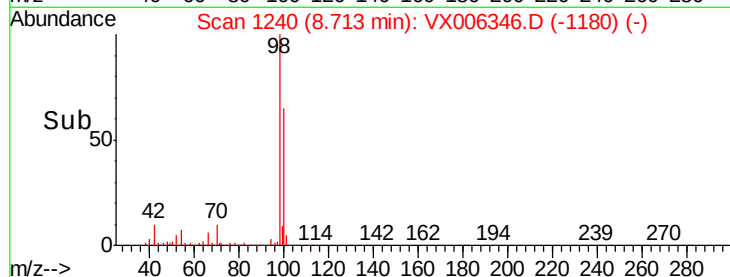
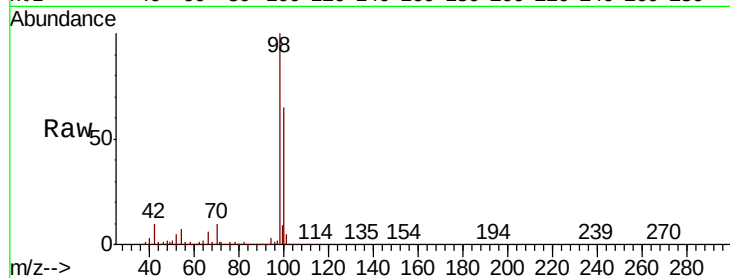




#51
4-Methyl-2-Pentanone
Concen: 0.493 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.07 min
Lab File: VX006346.D
Acq: 07 Dec 2018 14:45

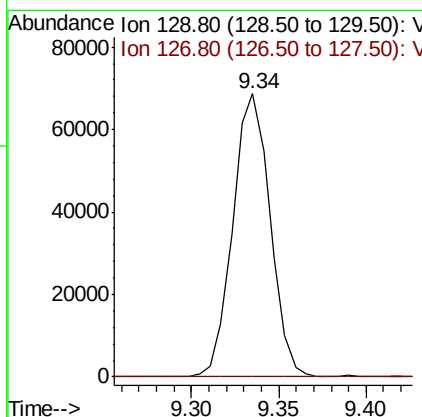
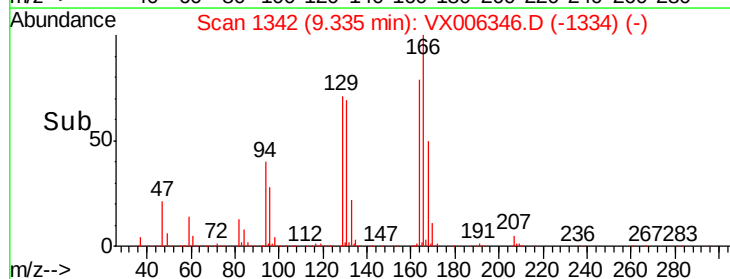
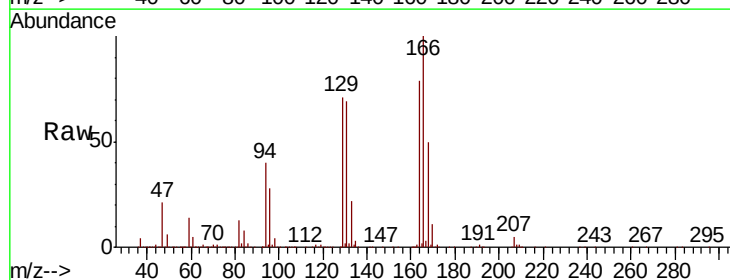
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW11S-M16W4-11-27-18

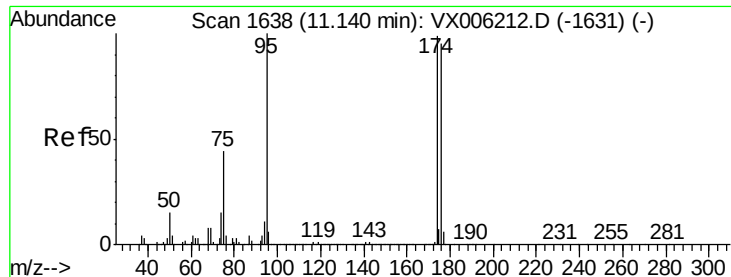
Tot Ion: 43 Resp: 5580
Ion Ratio Lower Upper
43 100
58 189.1 31.3 46.9#



#60
Dibromochloromethane
Concen: 9.889 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.25 min
Lab File: VX006346.D
Acq: 07 Dec 2018 14:45

Tgt Ion: 129 Resp: 101551
Ion Ratio Lower Upper
129 100
127 0.1 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: 49.874 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006346.D

Acq: 07 Dec 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW11S-M16W4-11-27-18

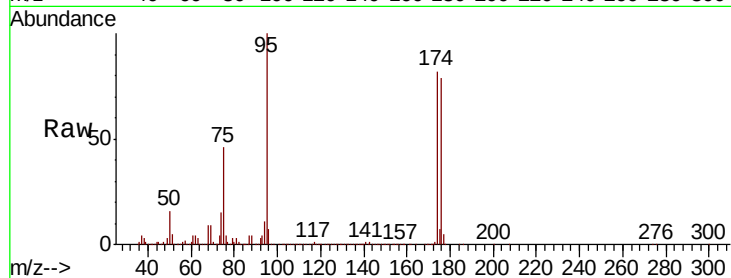
Tot Ion: 95 Resp: 546819

Ion Ratio Lower Upper

95 100

174 87.9 0.0 187.0

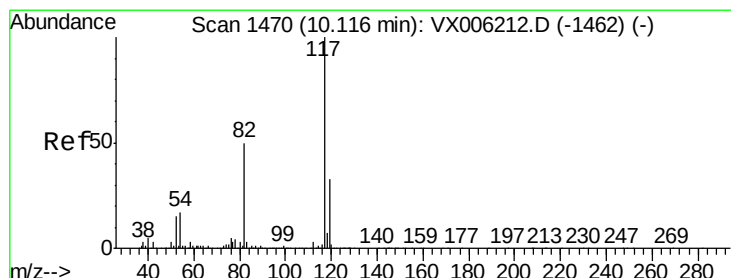
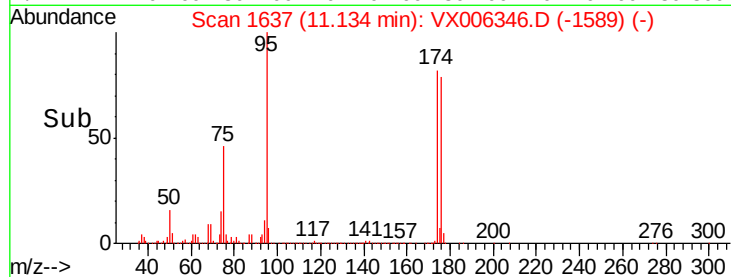
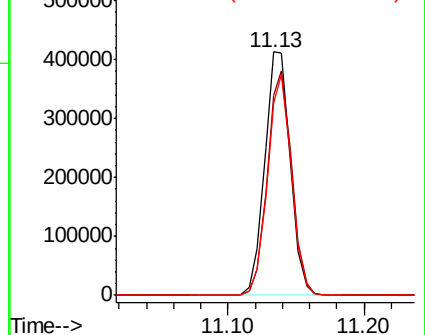
176 85.0 0.0 181.8



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX006346.D

Acq: 07 Dec 2018 14:45

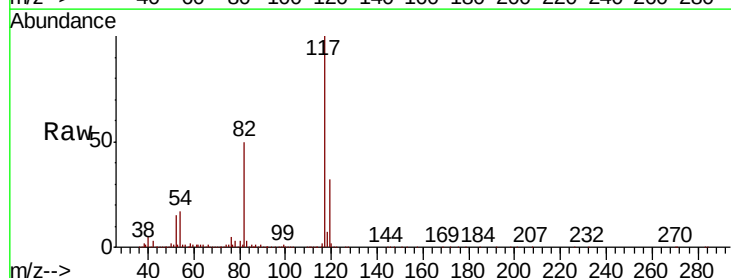
Tgt Ion: 117 Resp: 1127019

Ion Ratio Lower Upper

117 100

82 49.8 39.6 59.4

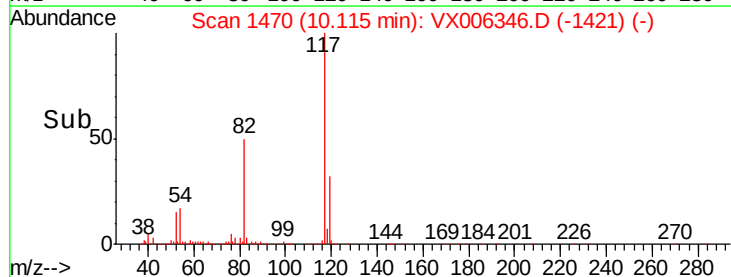
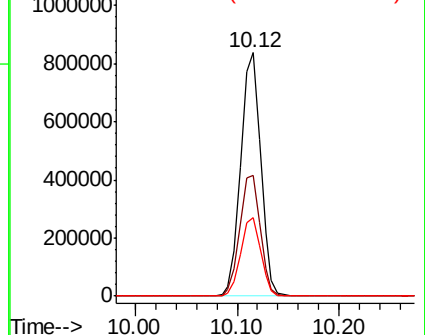
119 32.1 26.3 39.5

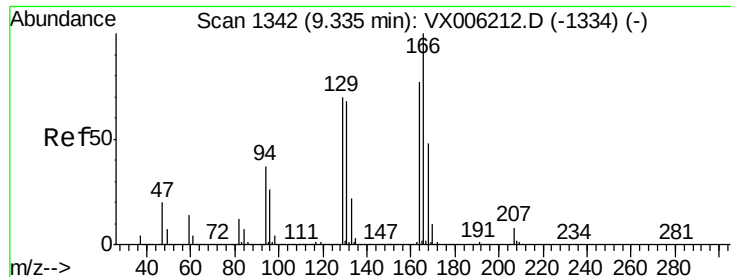


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

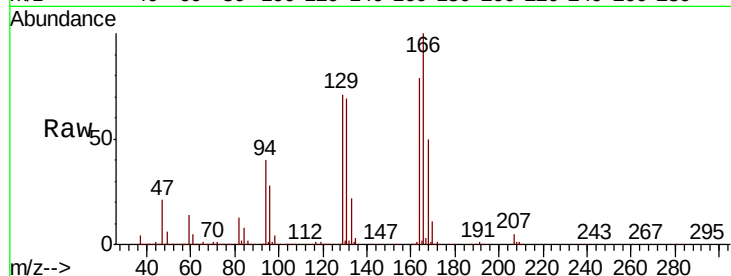




#64
Tetrachloroethene
Concen: 13.084 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006346.D
Acq: 07 Dec 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW11S-M16W4-11-27-18

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.1	104.2	156.2
129	89.7	72.6	108.8
131	86.5	70.3	105.5



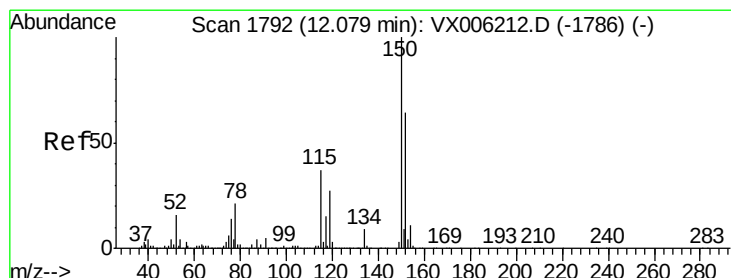
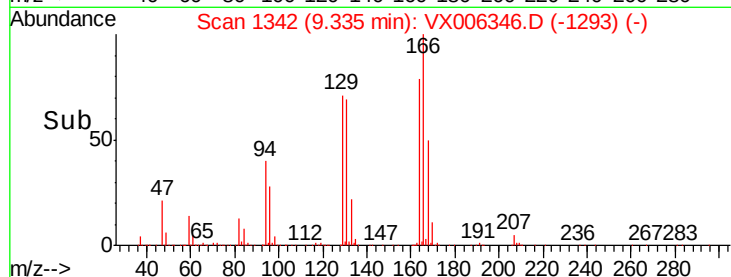
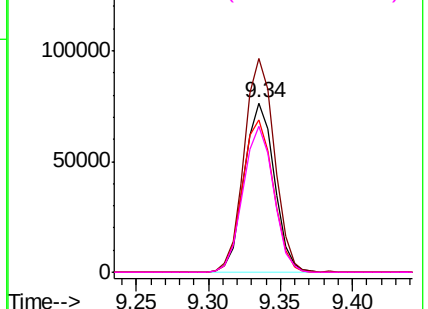
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

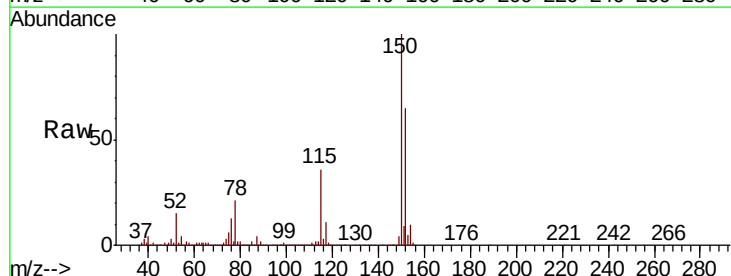
Ion 128.80 (128.50 to 129.50): V

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: VX006346.D
Acq: 07 Dec 2018 14:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	39.0	116.9
150	156.1	0.0	345.8

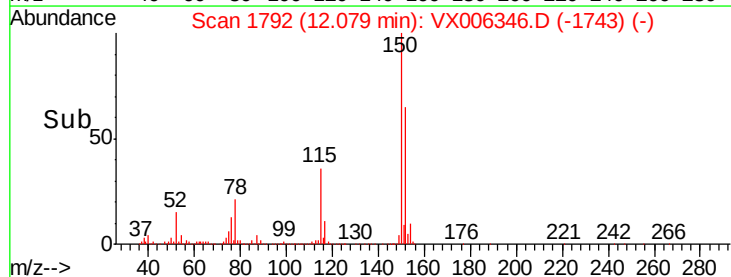
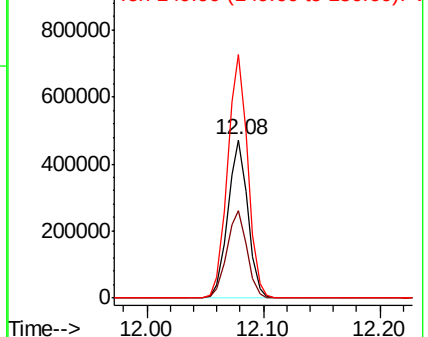


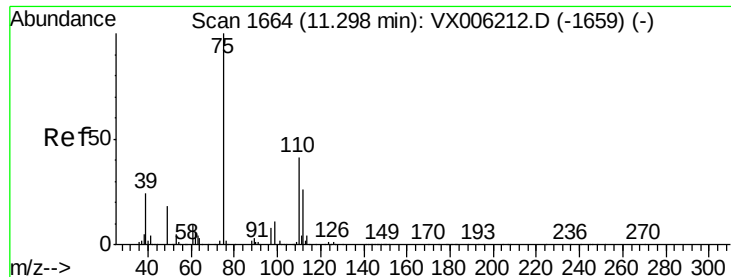
Abundance

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: 22.558 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006346.D

Acq: 07 Dec 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

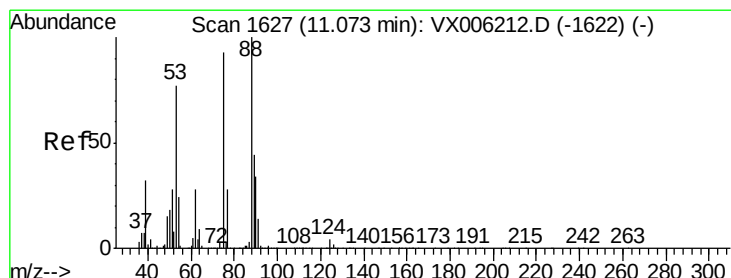
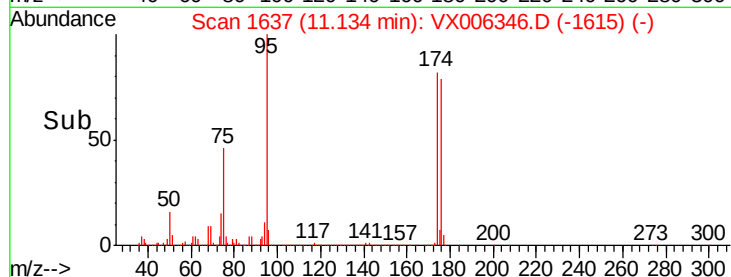
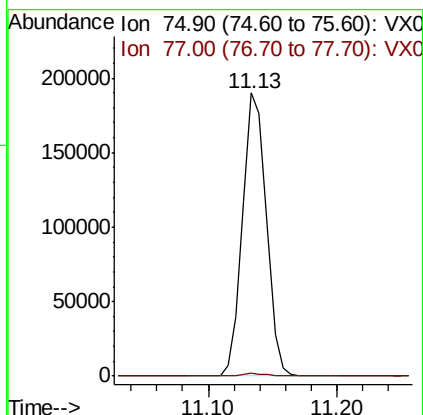
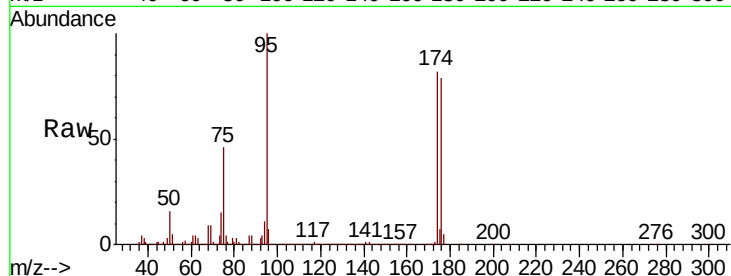
CPA-CPMW11S-M16W4-11-27-18

Tot Ion: 75 Resp: 242757

Ion Ratio Lower Upper

75 100

77 1.2 19.9 59.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 52.938 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006346.D

Acq: 07 Dec 2018 14:45

Tgt Ion: 75 Resp: 242757

Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

89 0.1 44.2 66.4#

