

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120718\
 Data File : VX006351.D
 Acq On : 07 Dec 2018 16:58
 Operator : JC/MD
 Sample : J6252-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW10S-M16W4-11-27-18

Quant Time: Dec 08 00:12:26 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	833842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1239879	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1117964	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	556249	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	403751	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
35) Dibromofluoromethane	5.50	113	387498	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
50) Toluene-d8	8.71	98	1429908	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
62) 4-Bromofluorobenzene	11.13	95	533037	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	

Target Compounds

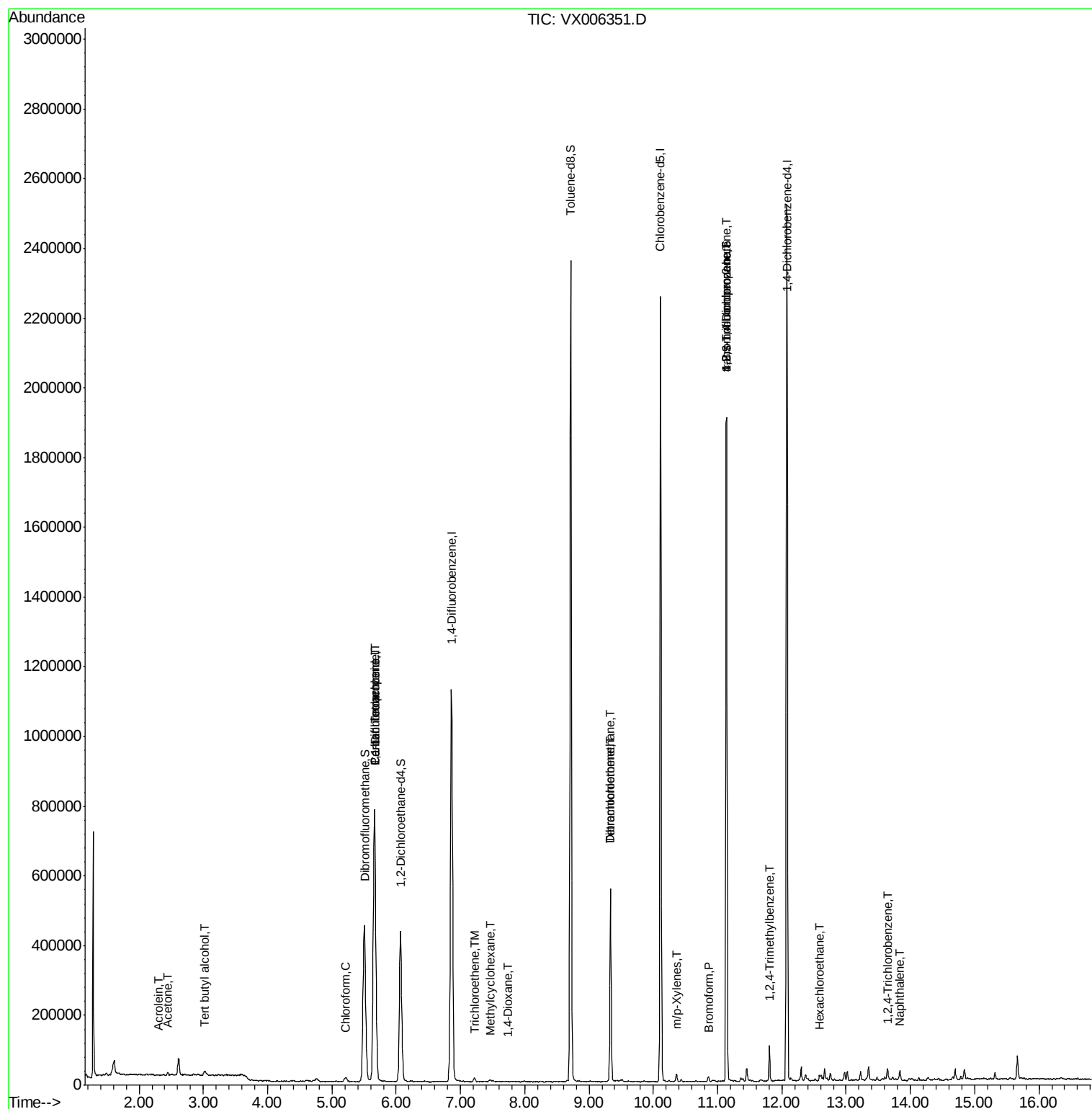
						Qvalue
11) Tert butyl alcohol	3.02	59	9716	4.174	ug/l #	75
13) Acrolein	2.29	56	416	0.327	ug/l #	1
16) Acetone	2.45	43	6939	1.737	ug/l	100
30) Chloroform	5.21	83	14062	1.006	ug/l	92
36) 1,1-Dichloropropene	5.66	75	49399	4.731	ug/l #	48
38) Carbon Tetrachloride	5.67	117	73288	5.967	ug/l #	16
39) Methylcyclohexane	7.46	83	2780	0.205	ug/l #	86
44) Trichloroethene	7.21	130	4896	0.517	ug/l	85
49) 1,4-Dioxane	7.74	88	74	0.317	ug/l #	1
60) Dibromochloromethane	9.34	129	99183	9.623	ug/l #	11
64) Tetrachloroethene	9.34	164	109807	13.042	ug/l	96
68) m/p-Xylenes	10.37	106	5377	0.340	ug/l	95
71) Bromoform	10.86	173	5395	0.620	ug/l #	100
76) 1,2,3-Trichloropropane	11.13	75	240463	22.397	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	240463	52.559	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.80	105	47617	1.443	ug/l	100
90) Hexachloroethane	12.59	117	1850	0.260	ug/l #	14
93) 1,2,4-Trichlorobenzene	13.65	180	6452	0.470	ug/l	95
95) Naphthalene	13.83	128	19696	0.461	ug/l #	97

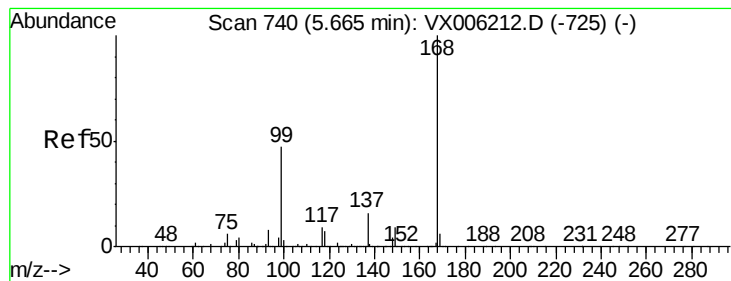
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006351.D

Acq: 07 Dec 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

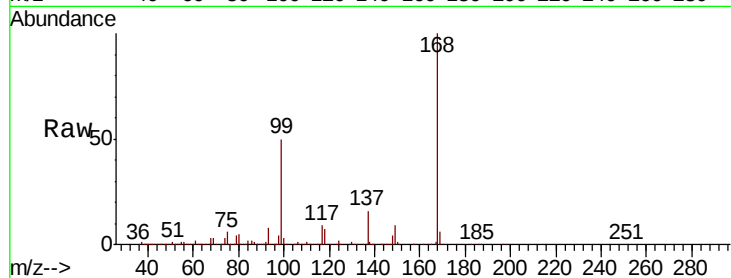
CPA-CPMW10S-M16W4-11-27-18

Tot Ion:168 Resp: 833842

Ion Ratio Lower Upper

168 100

99 50.0 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

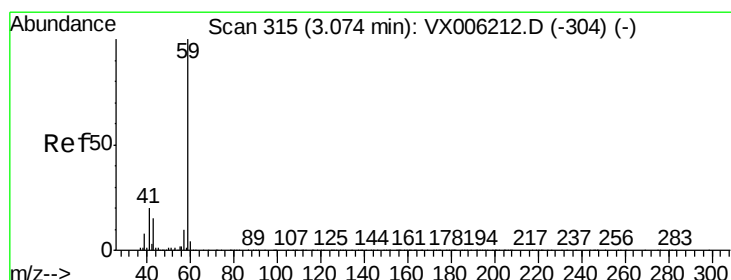
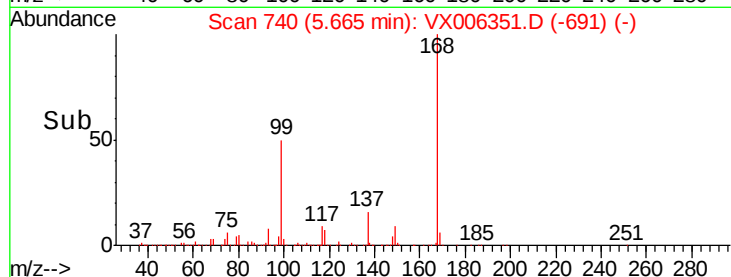
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.174 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.05 min

Lab File: VX006351.D

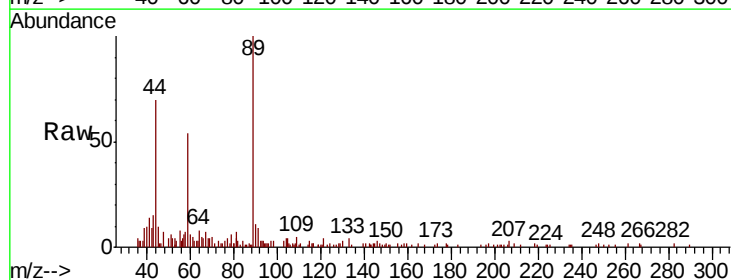
Acq: 07 Dec 2018 16:58

Tgt Ion: 59 Resp: 9716

Ion Ratio Lower Upper

59 100

57 1.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

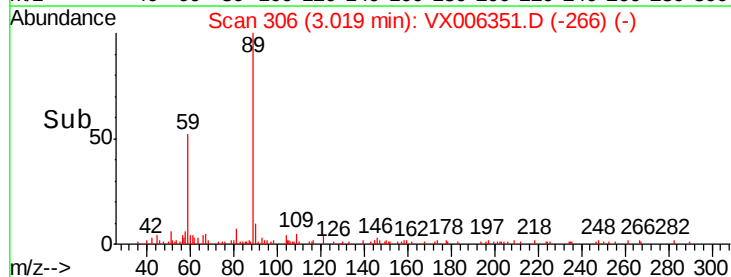
3000

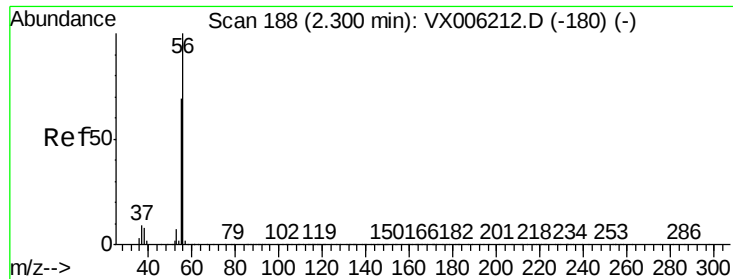
2000

1000

0

Time-->





#13

Acrolein

Concen: 0.327 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006351.D

Acq: 07 Dec 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

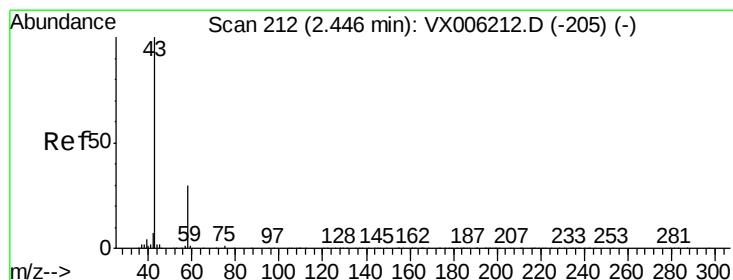
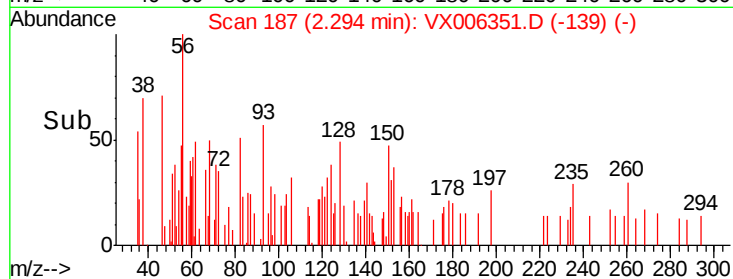
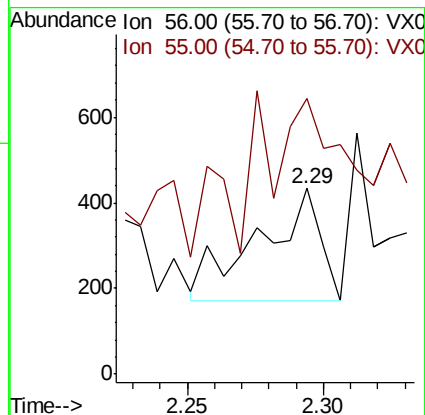
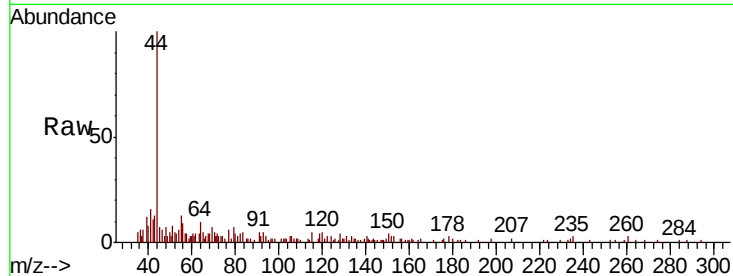
CPA-CPMW10S-M16W4-11-27-18

Tot Ion: 56 Resp: 416

Ion Ratio Lower Upper

56 100

55 178.1 57.8 86.6#



#16

Acetone

Concen: 1.737 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006351.D

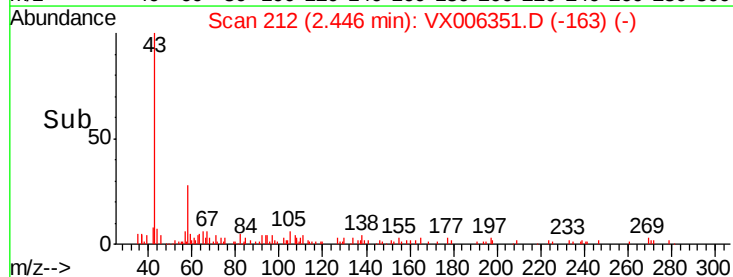
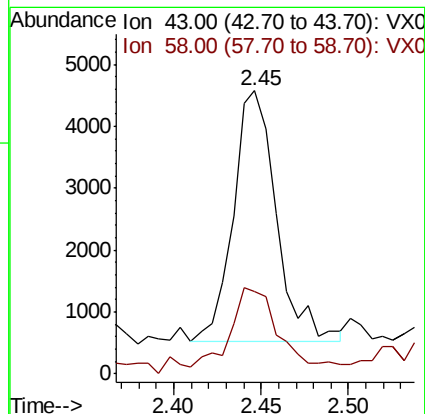
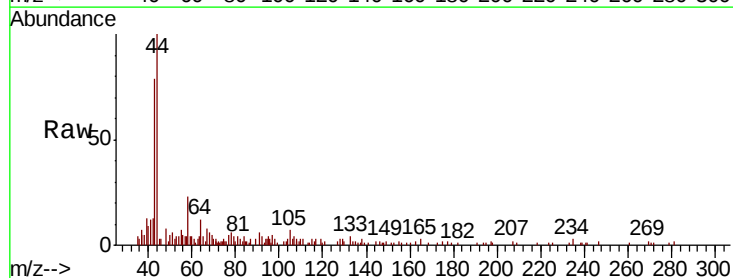
Acq: 07 Dec 2018 16:58

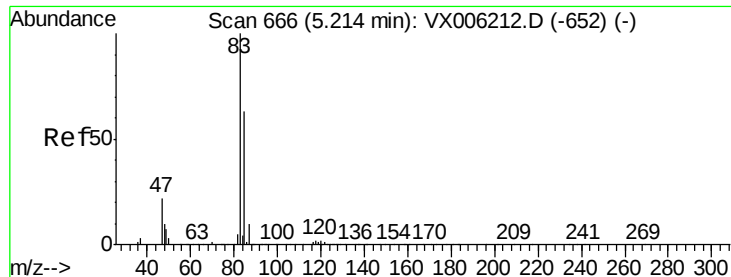
Tgt Ion: 43 Resp: 6939

Ion Ratio Lower Upper

43 100

58 30.2 24.0 36.0

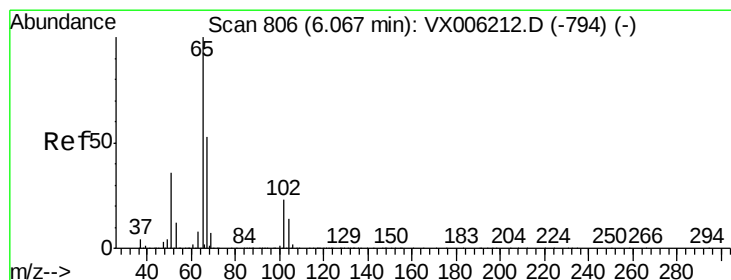
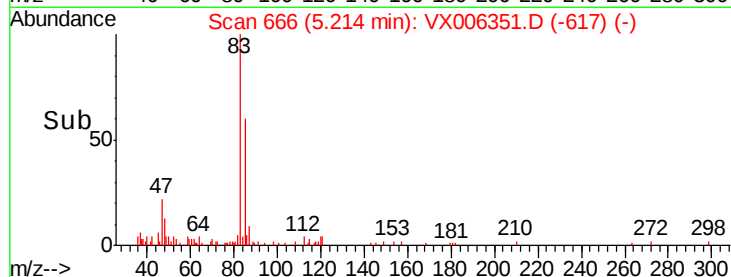
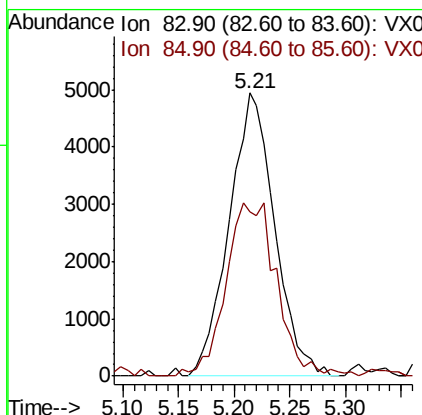
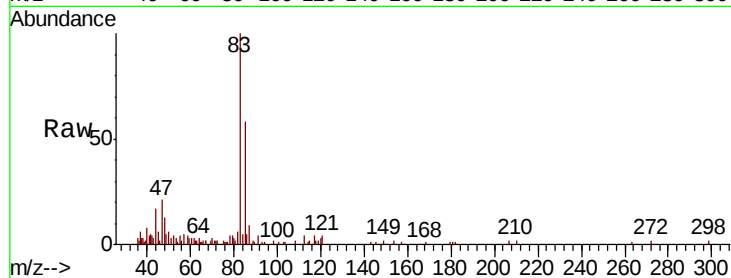




#30
Chloroform
Concen: 1.006 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006351.D
Acq: 07 Dec 2018 16:58

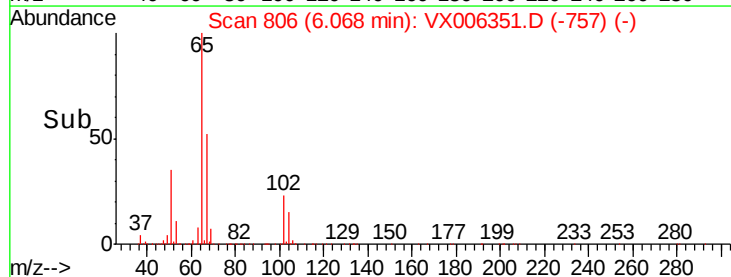
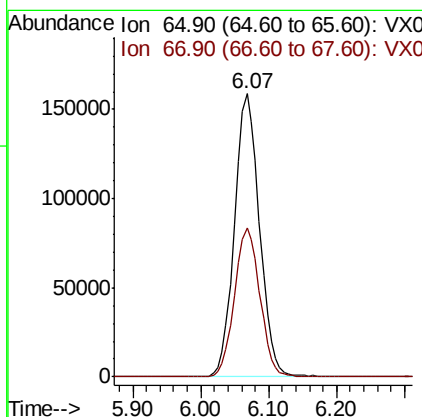
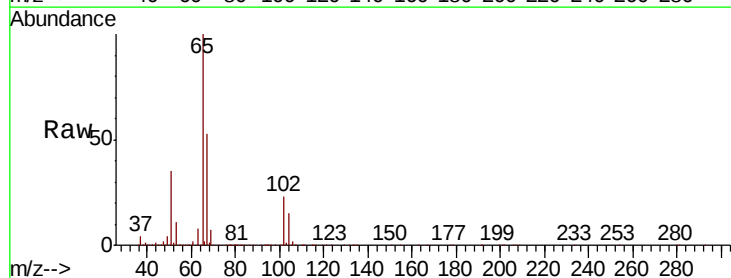
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW10S-M16W4-11-27-18

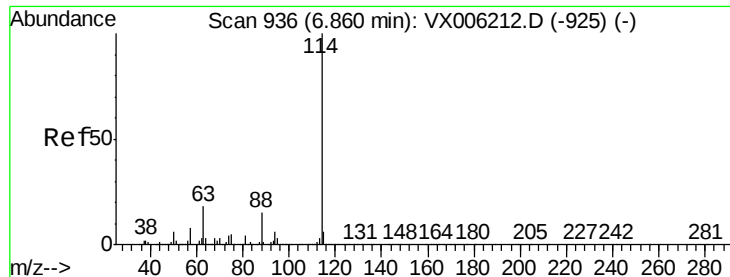
Tot Ion: 83 Resp: 14062
Ion Ratio Lower Upper
83 100
85 56.6 50.3 75.5



#33
1,2-Dichloroethane-d4
Concen: 47.432 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX006351.D
Acq: 07 Dec 2018 16:58

Tgt Ion: 65 Resp: 403751
Ion Ratio Lower Upper
65 100
67 53.1 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: VX006351.D

Acq: 07 Dec 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW10S-M16W4-11-27-18

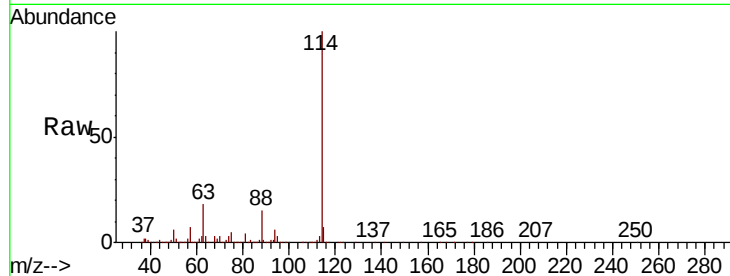
Tot Ion:114 Resp: 1239879

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.6

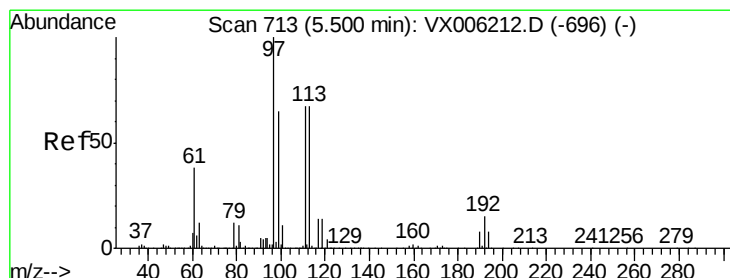
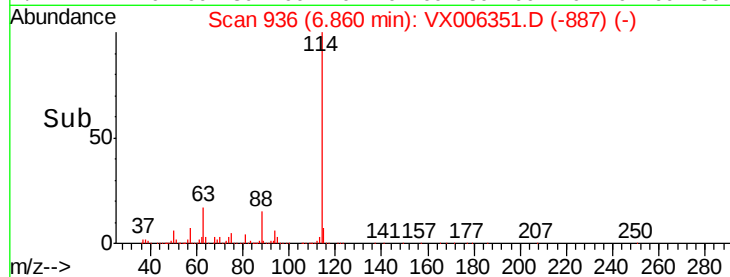
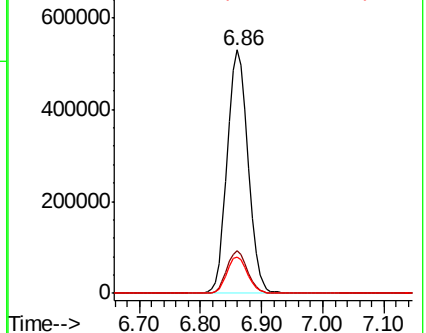
88 15.1 0.0 29.0



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: 48.270 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006351.D

Acq: 07 Dec 2018 16:58

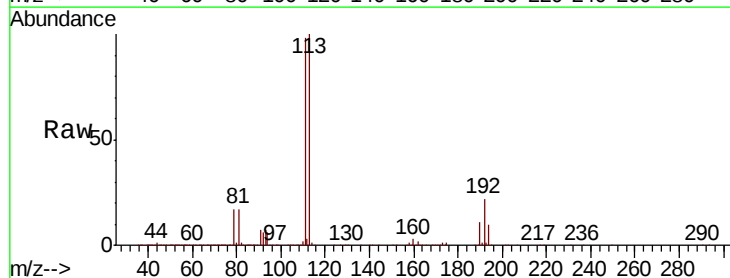
Tgt Ion:113 Resp: 387498

Ion Ratio Lower Upper

113 100

111 101.5 81.1 121.7

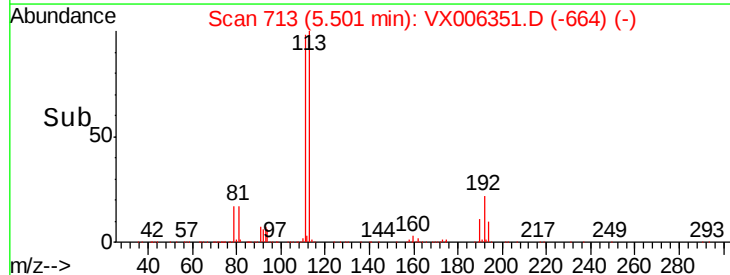
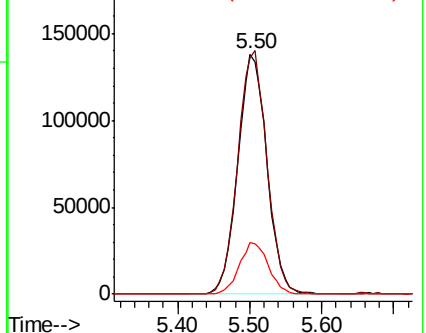
192 21.4 18.2 27.2

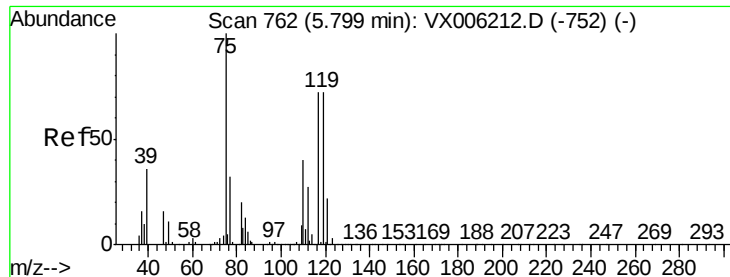


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.731 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006351.D

Acq: 07 Dec 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW10S-M16W4-11-27-18

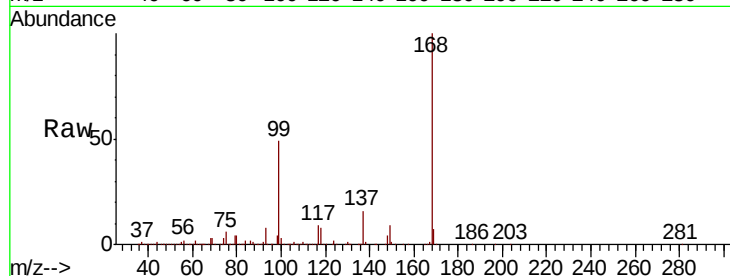
Tot Ion: 75 Resp: 49399

Ion Ratio Lower Upper

75 100

110 10.0 20.4 61.3#

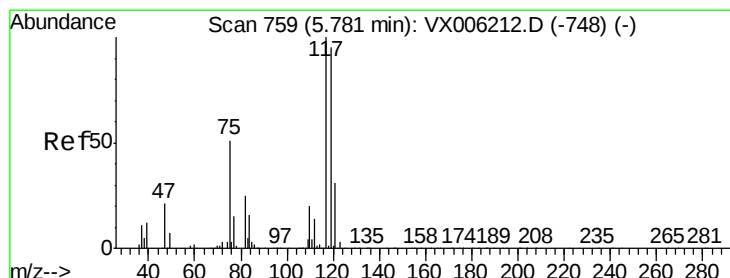
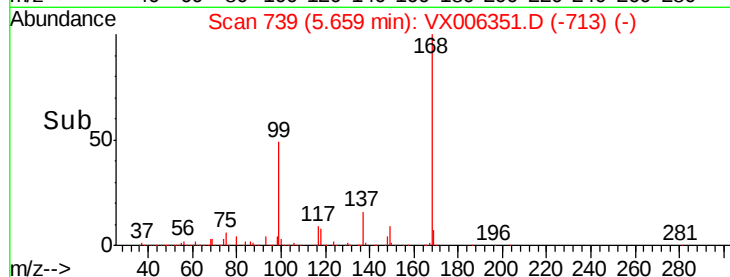
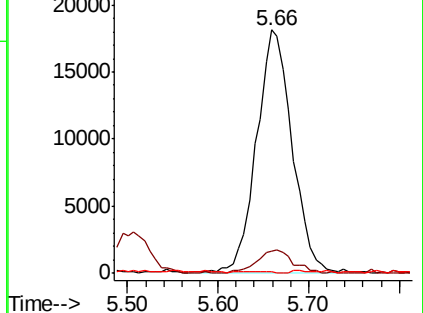
77 0.0 24.9 37.3#



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: 5.967 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006351.D

Acq: 07 Dec 2018 16:58

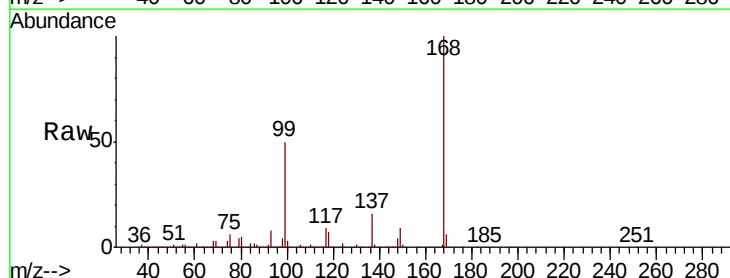
Tgt Ion: 117 Resp: 73288

Ion Ratio Lower Upper

117 100

119 5.2 75.8 113.8#

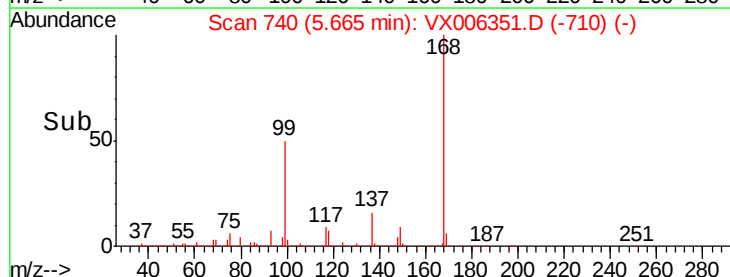
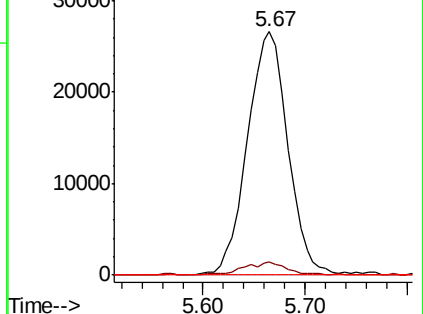
121 0.0 24.6 37.0#

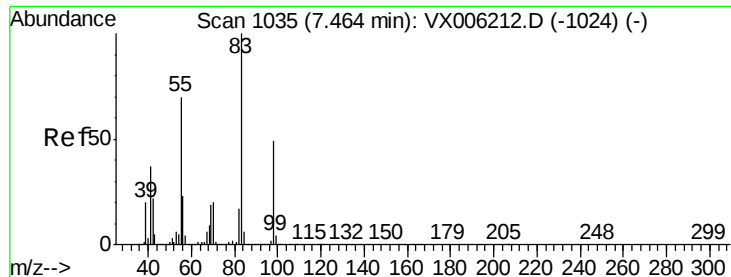


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

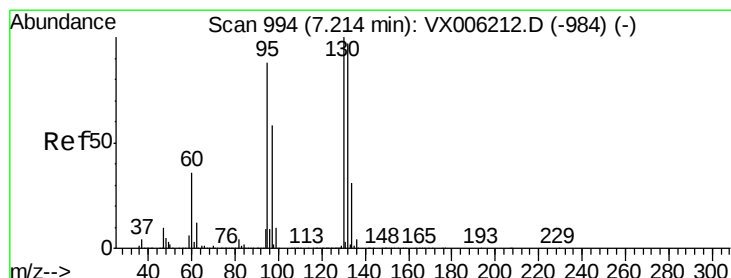
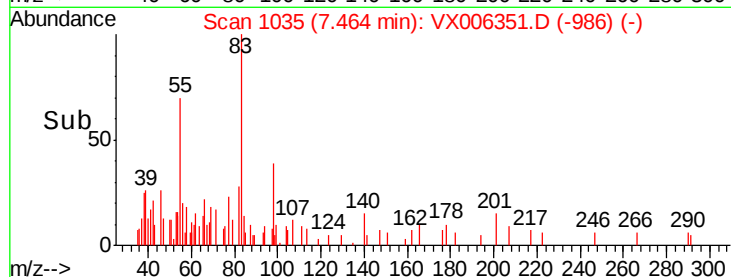
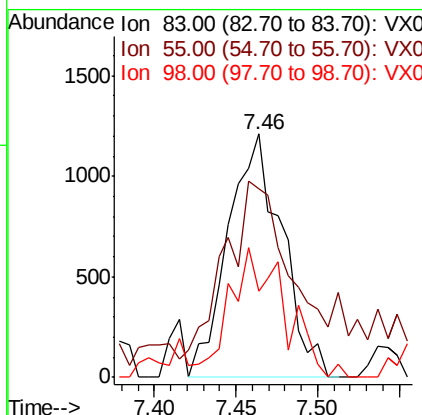
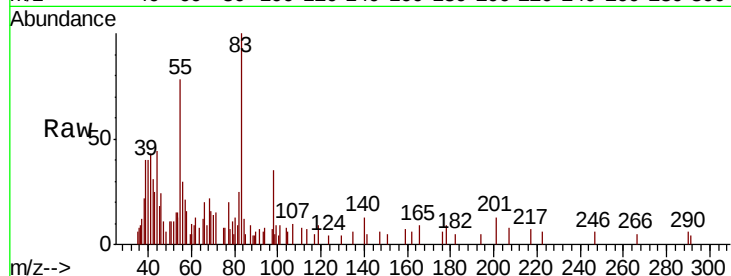




#39
Methvlcvclohexane
Concen: 0.205 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX006351.D
Acq: 07 Dec 2018 16:58

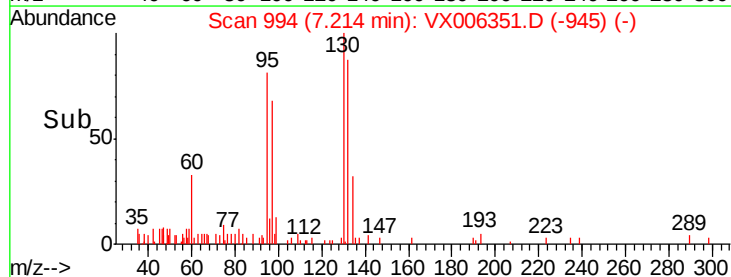
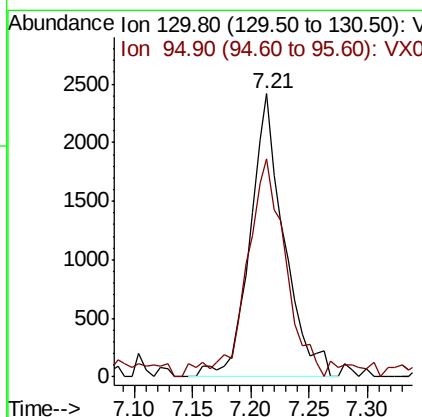
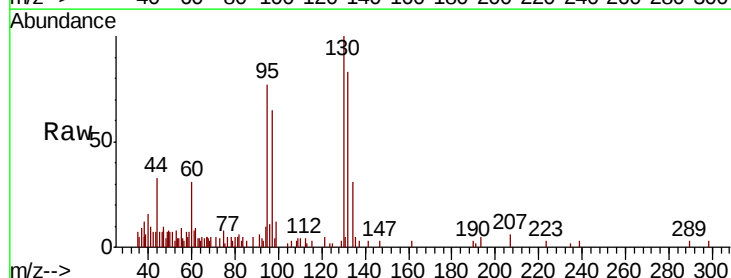
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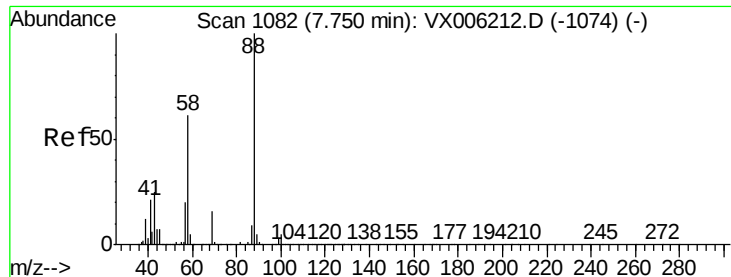
Tot Ion: 83 Resp: 2780
Ion Ratio Lower Upper
83 100
55 66.2 56.4 84.6
98 30.3 39.0 58.6#



#44
Trichloroethene
Concen: 0.517 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX006351.D
Acq: 07 Dec 2018 16:58

Tgt Ion:130 Resp: 4896
Ion Ratio Lower Upper
130 100
95 73.7 0.0 175.8

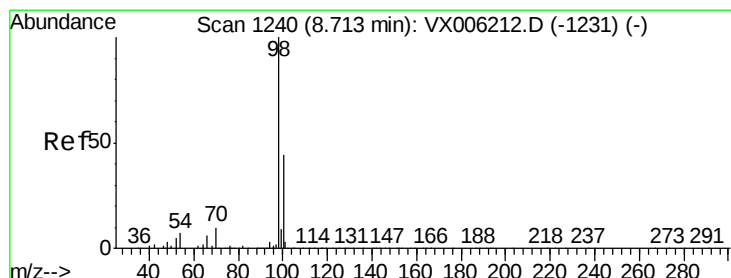
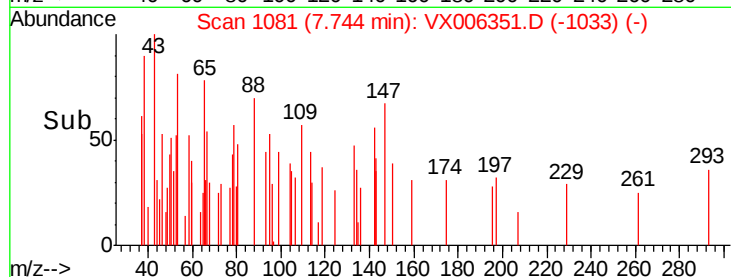
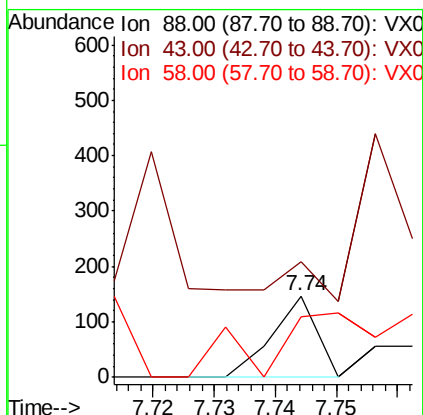
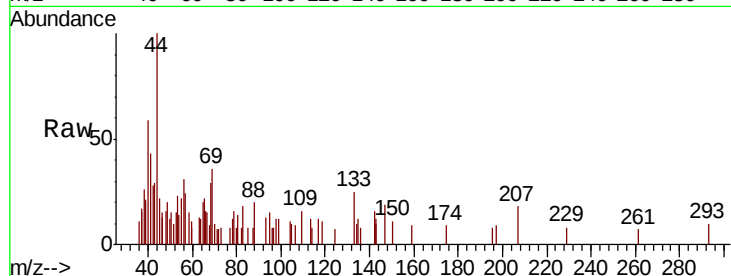




#49
1,4-Dioxane
Concen: 0.317 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VX006351.D
Acq: 07 Dec 2018 16:58

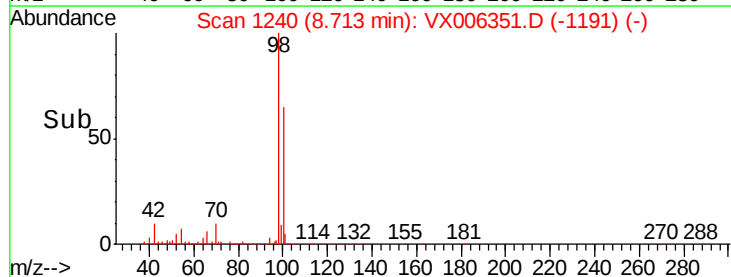
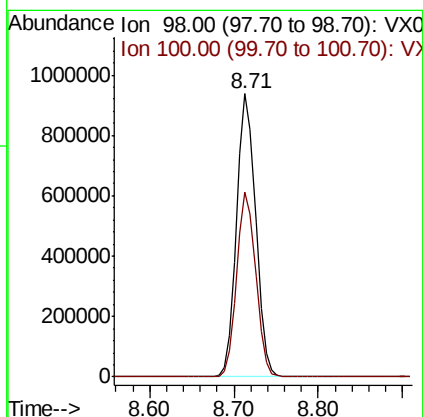
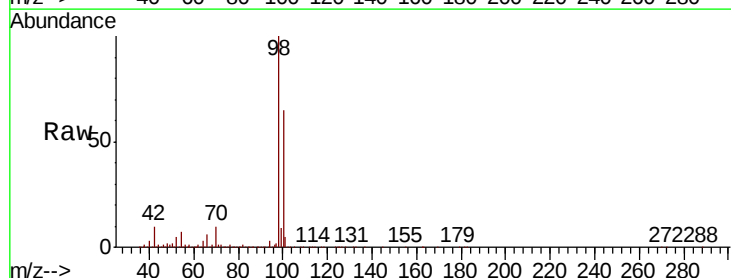
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW10S-M16W4-11-27-18

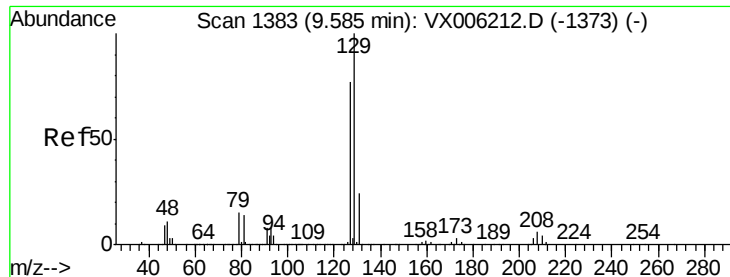
Tot Ion: 88 Resp: 74
Ion Ratio Lower Upper
88 100
43 312.2 23.2 34.8#
58 191.9 51.4 77.0#



#50
Toluene-d8
Concen: 48.969 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006351.D
Acq: 07 Dec 2018 16:58

Tgt Ion: 98 Resp: 1429908
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2





#60

Dibromochloromethane

Concen: 9.623 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.25 min

Lab File: VX006351.D

Acq: 07 Dec 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

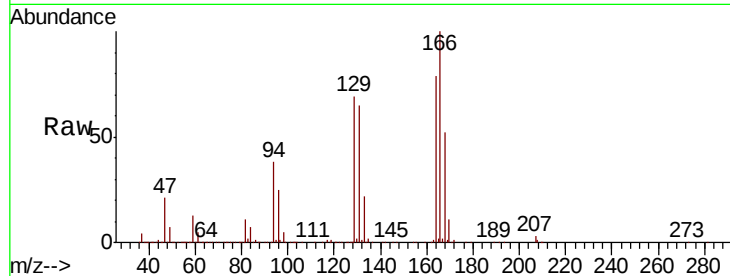
CPA-CPMW10S-M16W4-11-27-18

Tot Ion:129 Resp: 99183

Ion Ratio Lower Upper

129 100

127 0.3 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

80000

60000

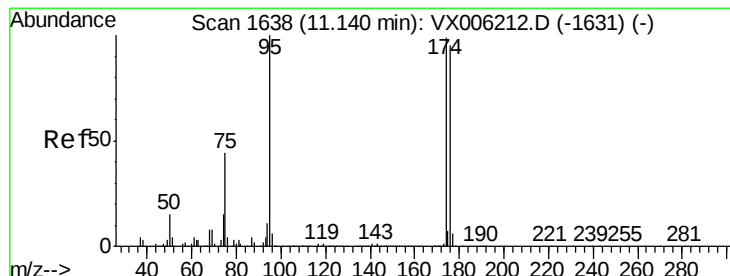
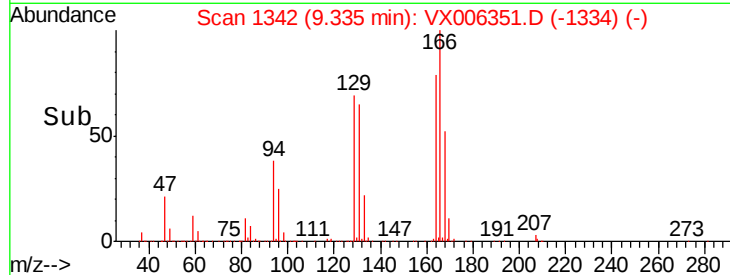
40000

20000

0

9.25 9.30 9.35 9.40 9.45

Time-->



#62

4-Bromofluorobenzene

Concen: 48.443 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006351.D

Acq: 07 Dec 2018 16:58

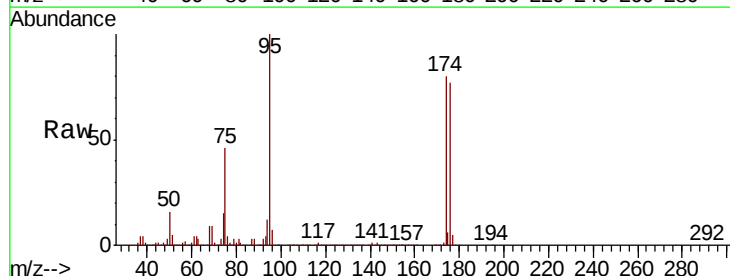
Tgt Ion: 95 Resp: 533037

Ion Ratio Lower Upper

95 100

174 89.0 0.0 187.0

176 86.5 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

500000

400000

300000

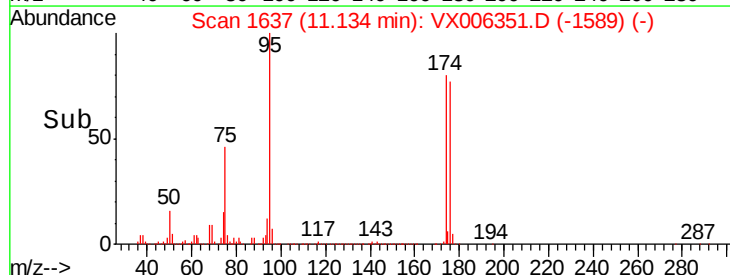
200000

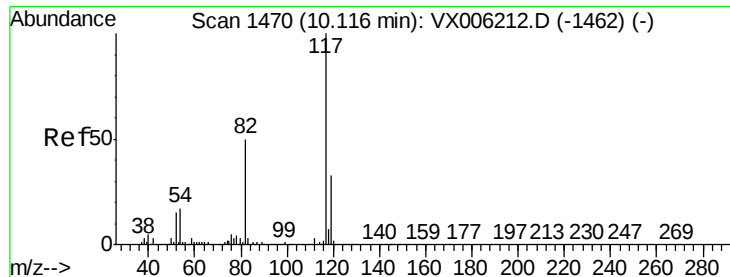
100000

0

11.10 11.20

Time-->

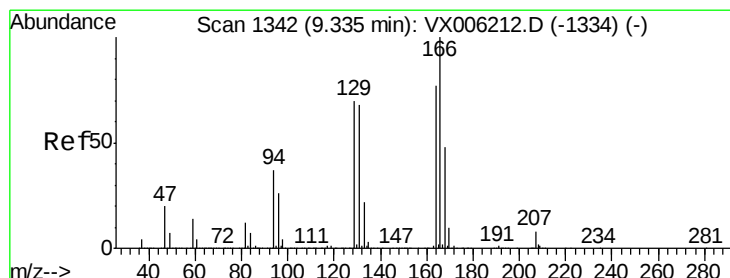
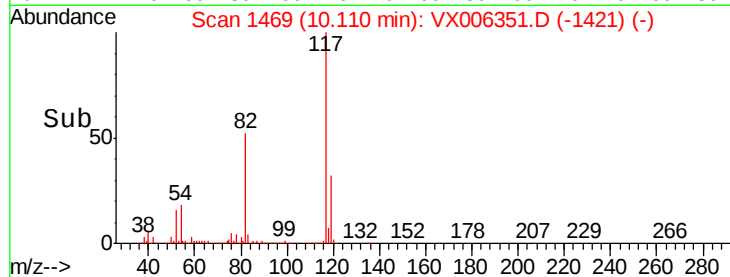
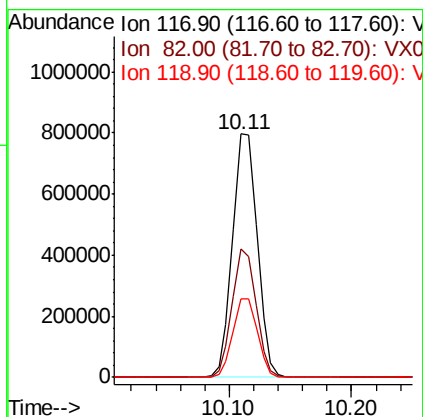
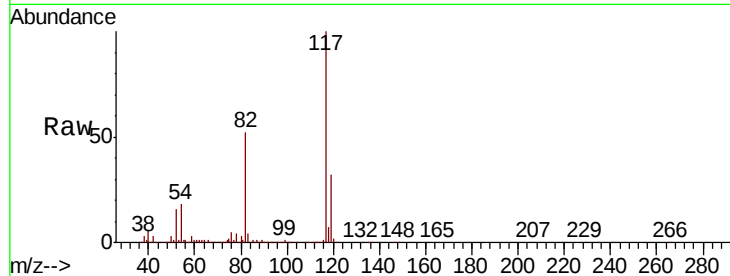




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX006351.D
Acq: 07 Dec 2018 16:58

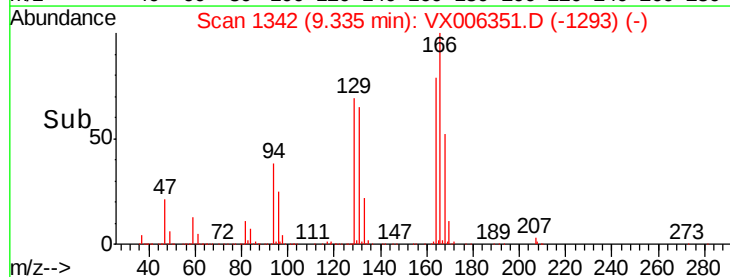
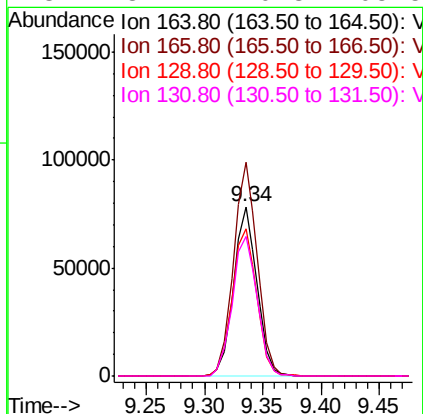
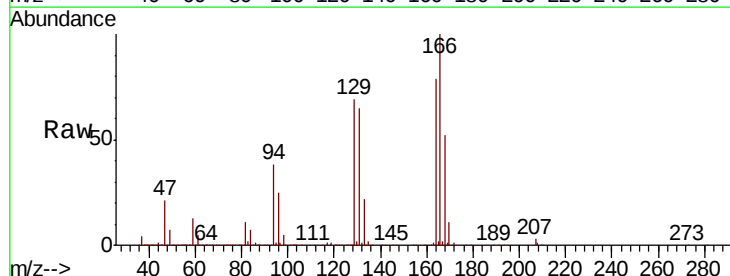
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW10S-M16W4-11-27-18

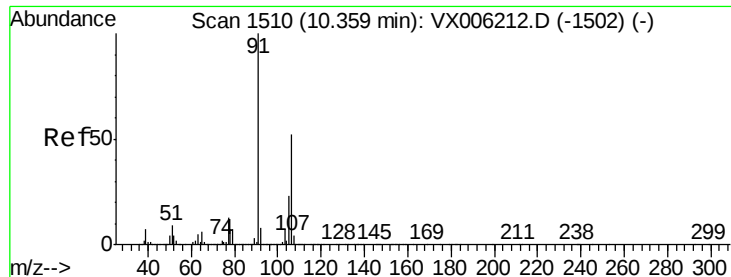
Tot Ion:117 Resp: 1117964
Ion Ratio Lower Upper
117 100
82 52.5 39.6 59.4
119 32.3 26.3 39.5



#64
Tetrachloroethene
Concen: 13.042 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006351.D
Acq: 07 Dec 2018 16:58

Tgt Ion:164 Resp: 109807
Ion Ratio Lower Upper
164 100
166 126.2 104.2 156.2
129 87.1 72.6 108.8
131 82.4 70.3 105.5

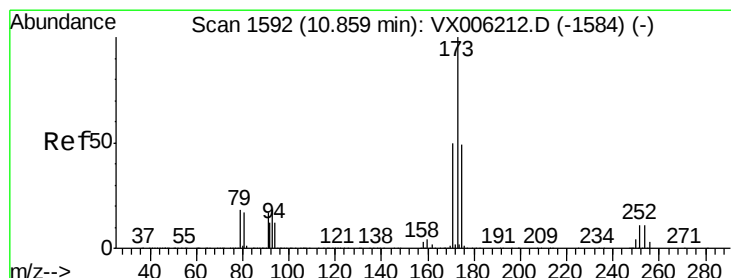
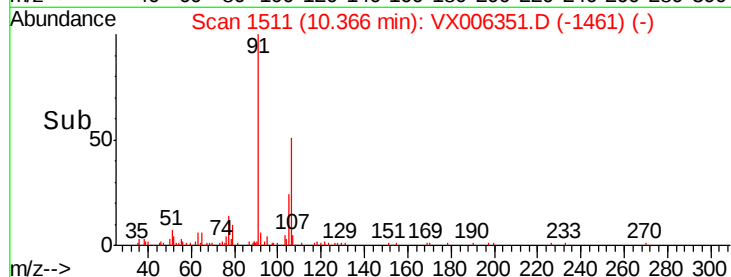
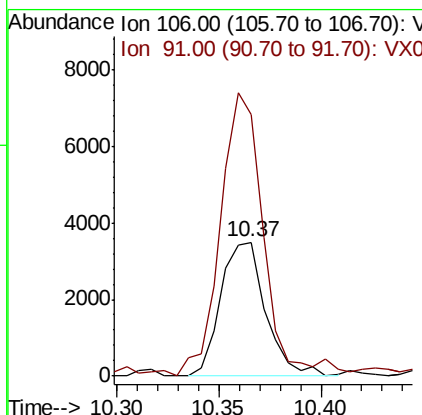
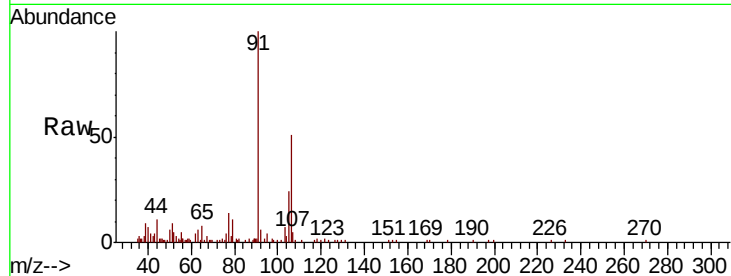




#68
m/p-Xvlenes
Concen: 0.340 ug/l
RT: 10.37 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VX006351.D
Acq: 07 Dec 2018 16:58

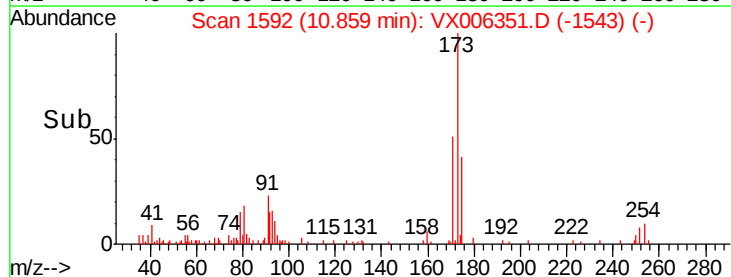
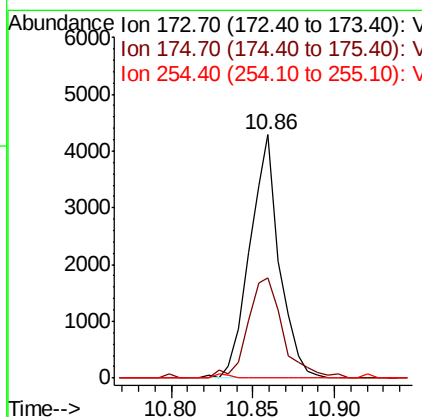
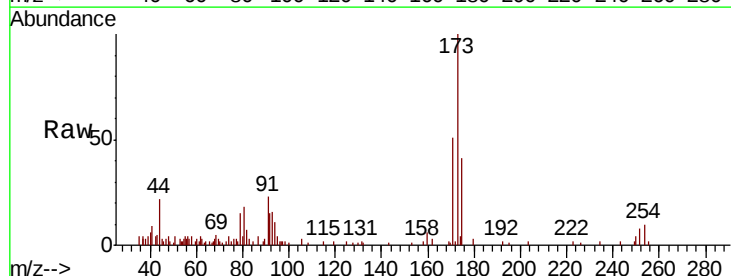
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW10S-M16W4-11-27-18

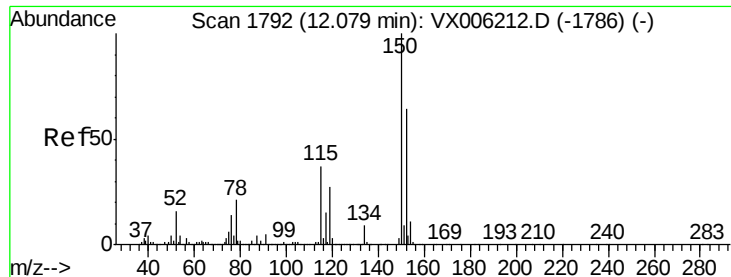
Tot Ion:106 Resp: 5377
Ion Ratio Lower Upper
106 100
91 202.1 155.2 232.8



#71
Bromoform
Concen: 0.620 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX006351.D
Acq: 07 Dec 2018 16:58

Tgt Ion:173 Resp: 5395
Ion Ratio Lower Upper
173 100
175 49.1 24.6 73.8
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006351.D

Acq: 07 Dec 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW10S-M16W4-11-27-18

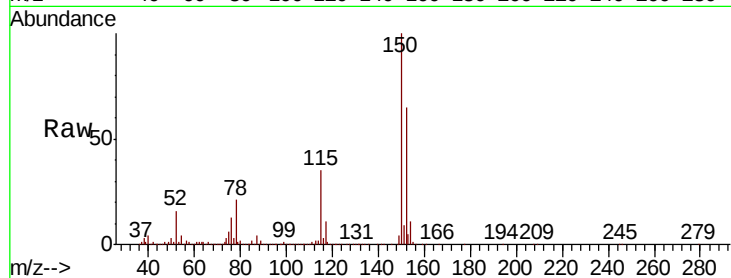
Tot Ion:152 Resp: 556249

Ion Ratio Lower Upper

152 100

115 55.3 39.0 116.9

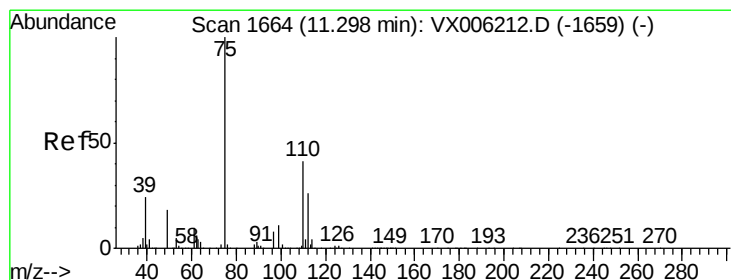
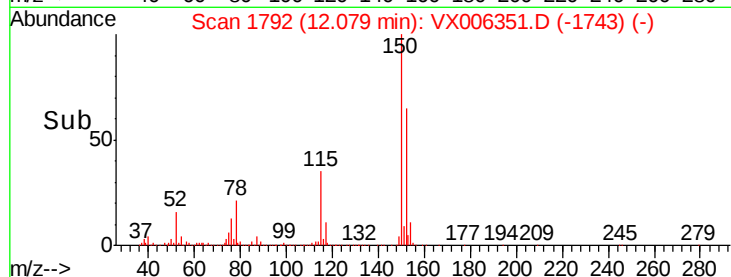
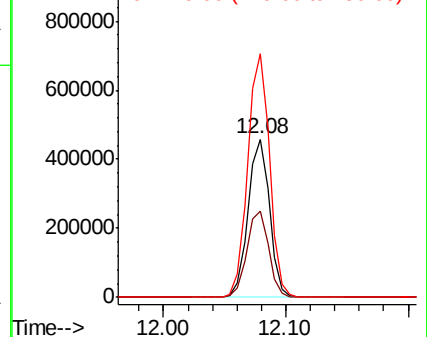
150 156.3 0.0 345.8



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: 22.397 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006351.D

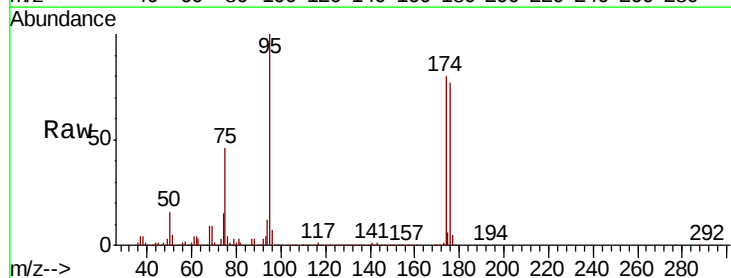
Acq: 07 Dec 2018 16:58

Tgt Ion: 75 Resp: 240463

Ion Ratio Lower Upper

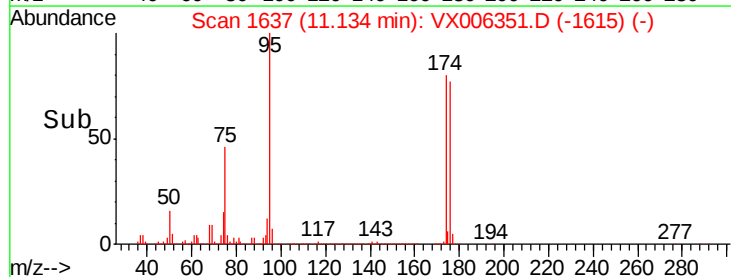
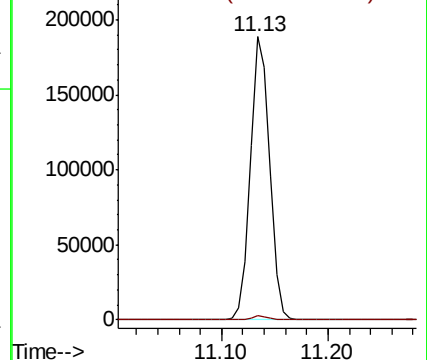
75 100

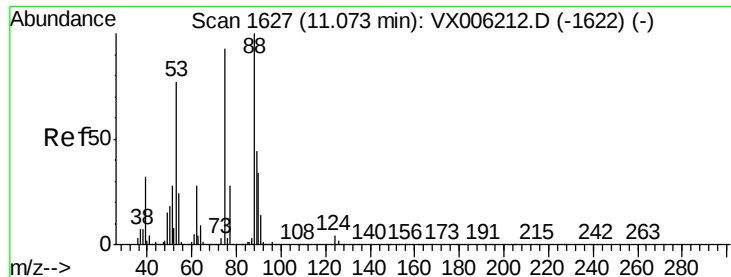
77 1.4 19.9 59.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

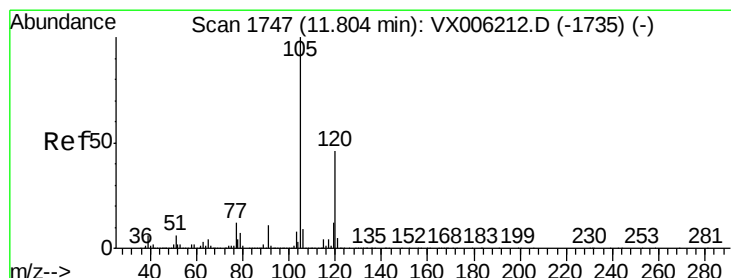
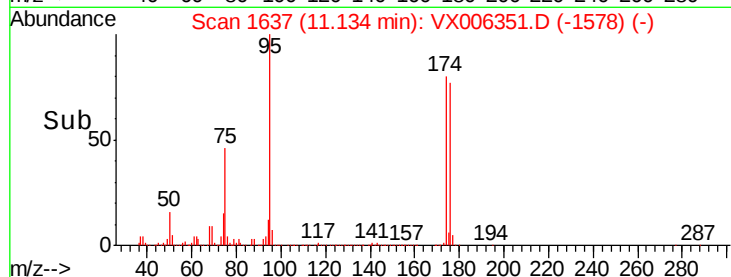
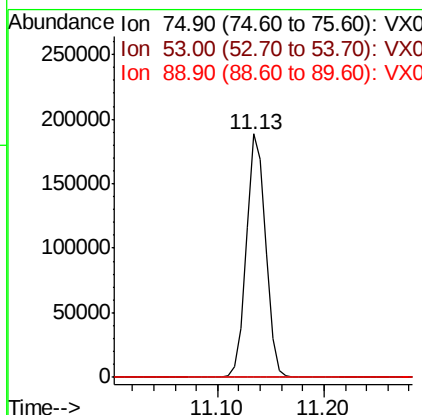
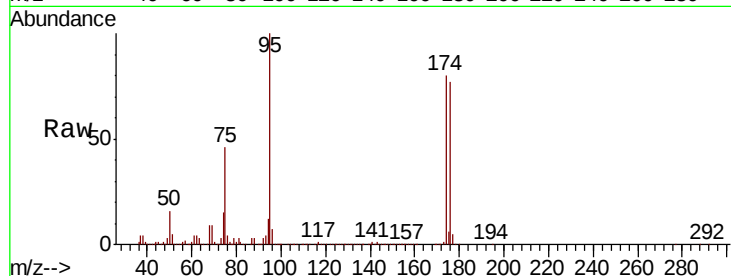




#81
trans-1,4-Dichloro-2-butene
Concen: 52.559 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX006351.D
Acq: 07 Dec 2018 16:58

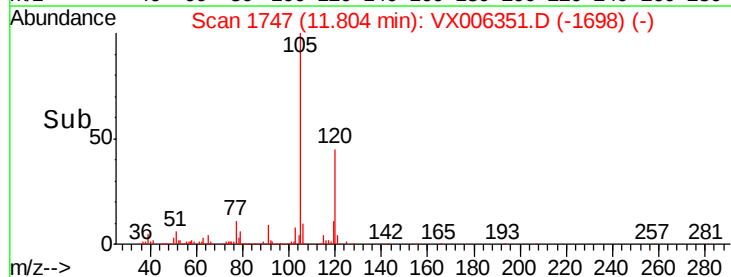
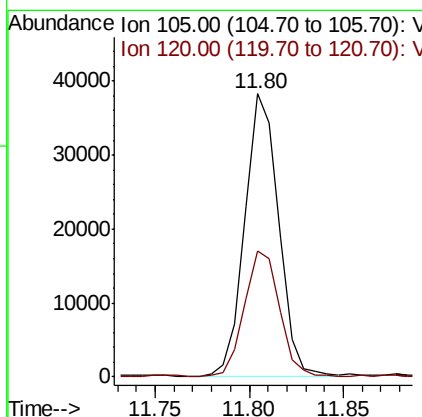
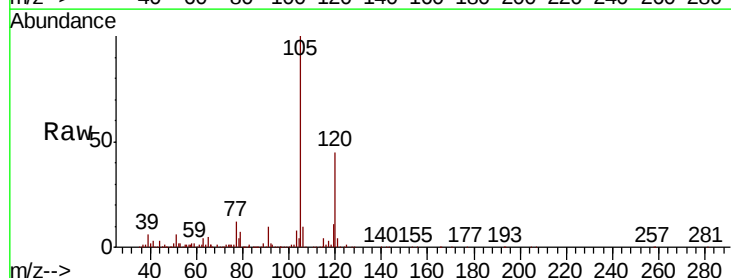
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW10S-M16W4-11-27-18

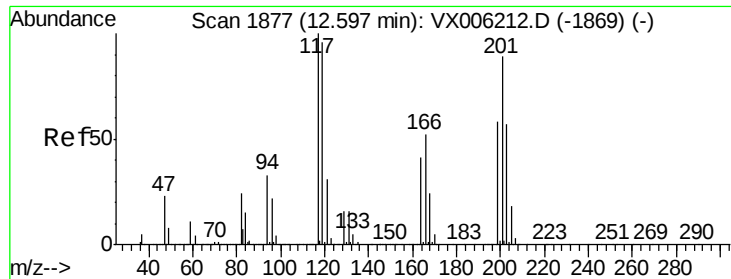
Tot Ion: 75 Resp: 240463
Ion Ratio Lower Upper
75 100
53 0.0 64.4 96.6#
89 0.2 44.2 66.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.443 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX006351.D
Acq: 07 Dec 2018 16:58

Tgt Ion:105 Resp: 47617
Ion Ratio Lower Upper
105 100
120 46.8 23.4 70.0





#90

Hexachloroethane

Concen: 0.260 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX006351.D

Acq: 07 Dec 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

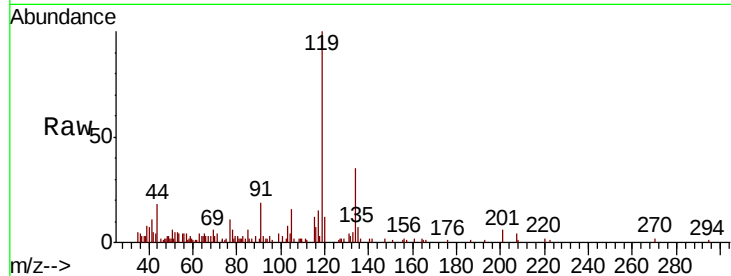
CPA-CPMW10S-M16W4-11-27-18

Tot Ion:117 Resp: 1850

Ion Ratio Lower Upper

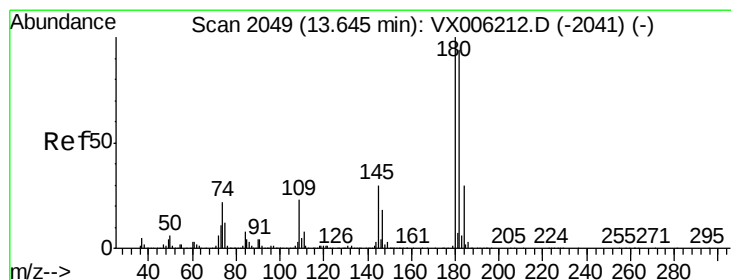
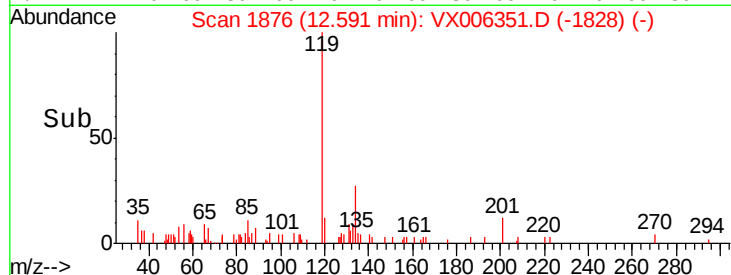
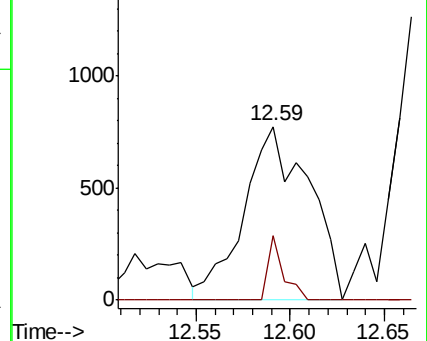
117 100

201 8.8 44.7 134.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 0.470 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX006351.D

Acq: 07 Dec 2018 16:58

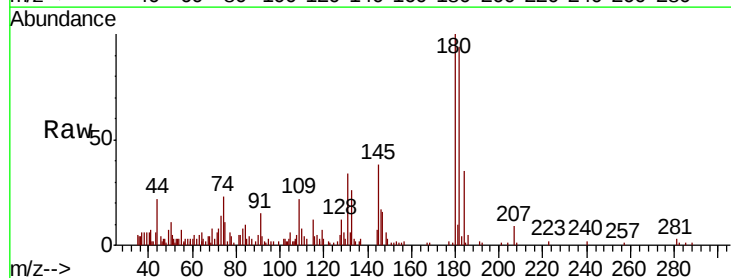
Tgt Ion:180 Resp: 6452

Ion Ratio Lower Upper

180 100

182 94.0 47.3 141.9

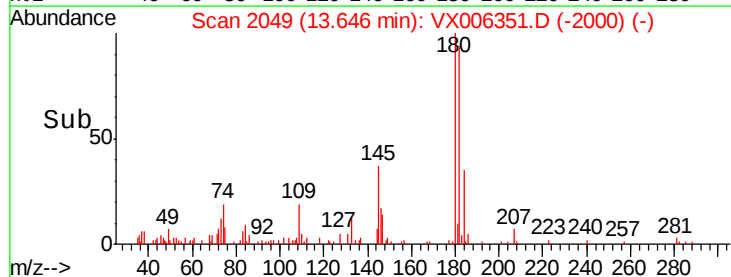
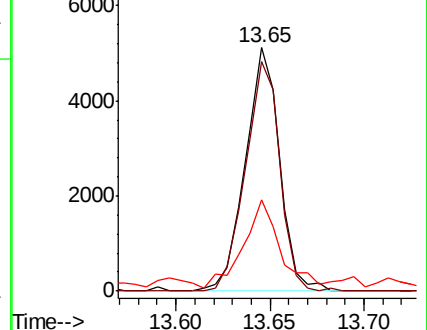
145 40.4 14.6 43.8

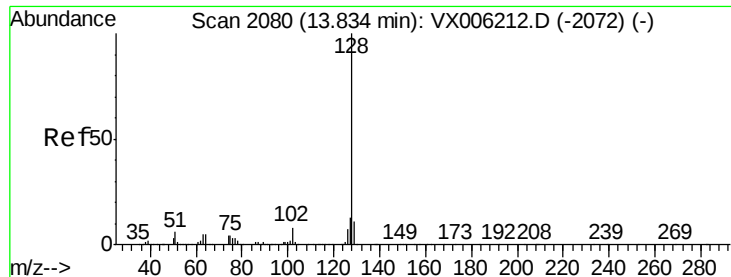


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

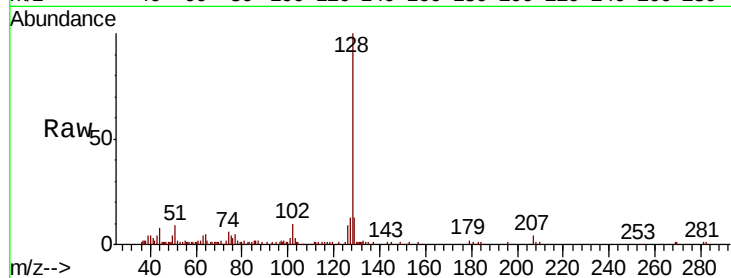




#95
Naphthalene
Concen: 0.461 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006351.D
Acq: 07 Dec 2018 16:58

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW10S-M16W4-11-27-18

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	13.5	8.9	13.3#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

