

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031119\
 Data File : VX007998.D
 Acq On : 12 Mar 2019 06:41
 Operator : JC/SP
 Sample : K1828-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW11S-M20W2-030519

Quant Time: Mar 12 08:50:19 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	5.67	168	245947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	387352	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	367396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179612	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	133777	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
35) Dibromofluoromethane	5.50	113	124908	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
50) Toluene-d8	8.71	98	465346	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
62) 4-Bromofluorobenzene	11.13	95	171649	53.80	ug/l	0.00
Spiked Amount			Recovery	=	107.60%	

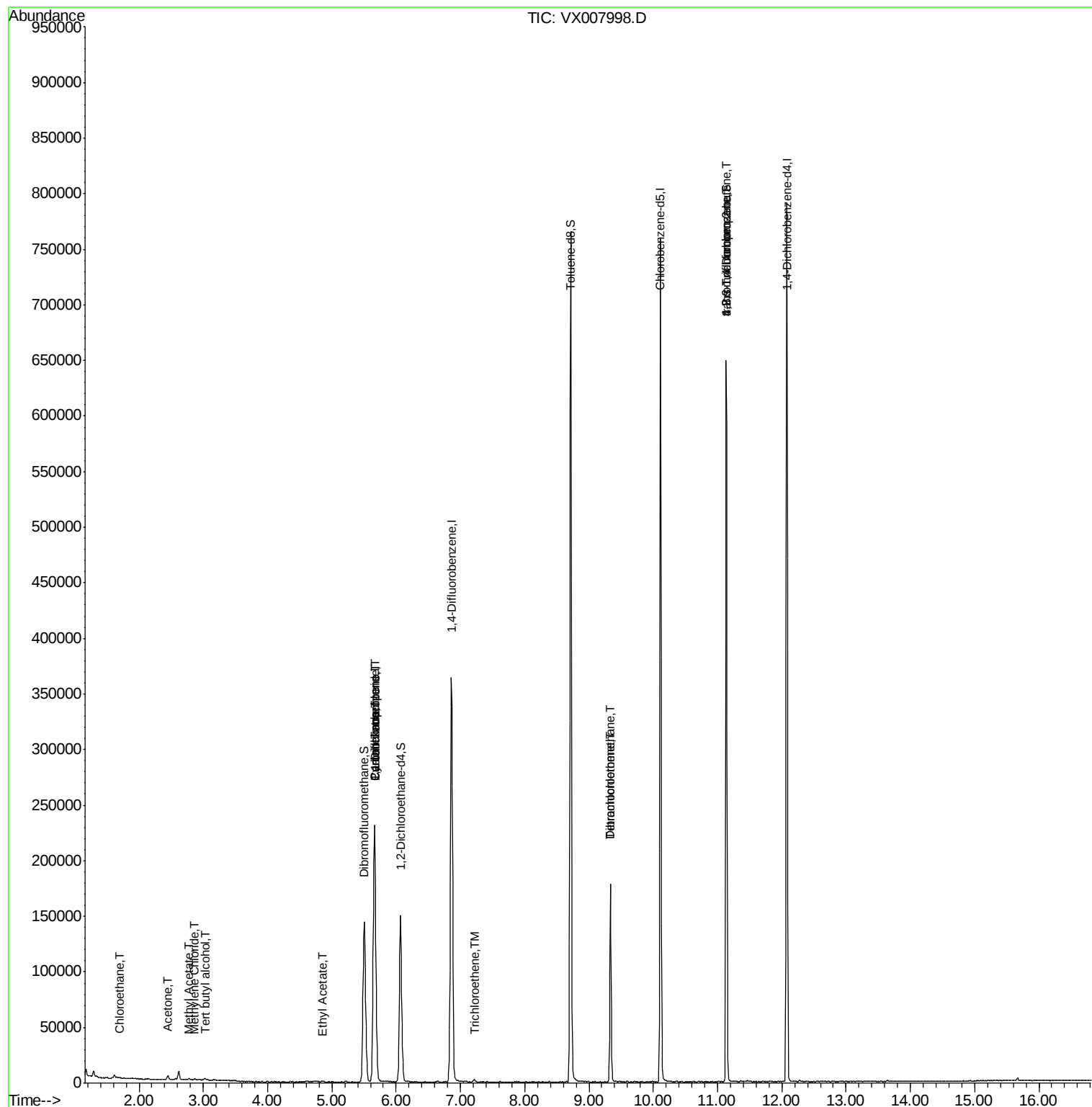
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	447	Below Cal		97
6) Chloroethane	1.70	64	1998	1.118	ug/l #	62
11) Tert butyl alcohol	3.03	59	1400	2.413	ug/l #	73
16) Acetone	2.45	43	4057	2.702	ug/l	96
17) Carbon Disulfide	2.57	76	944	Below Cal	#	69
18) Methyl Acetate	2.78	43	944	0.296	ug/l #	83
20) Methylene Chloride	2.86	84	491	0.205	ug/l #	84
31) Cyclohexane	5.66	56	3694	0.927	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15166	4.324	ug/l #	49
37) Ethyl Acetate	4.86	43	1265	0.304	ug/l #	85
38) Carbon Tetrachloride	5.67	117	20868	6.267	ug/l #	17
44) Trichloroethene	7.21	130	994	0.345	ug/l	95
60) Dibromochloromethane	9.34	129	33897	12.567	ug/l #	11
64) Tetrachloroethene	9.34	164	38835	12.755	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	78823	20.913	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	78823	66.850	ug/l #	11

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

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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: VX007998.D

Acq: 12 Mar 2019 06:41

Instrument :

MSVOA_X

ClientSampleId :

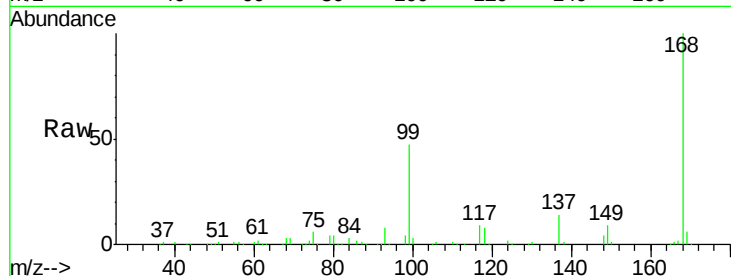
CPA-CPMW11S-M20W2-030519

Tot Ion:168 Resp: 245947

Ion Ratio Lower Upper

168 100

99 47.3 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

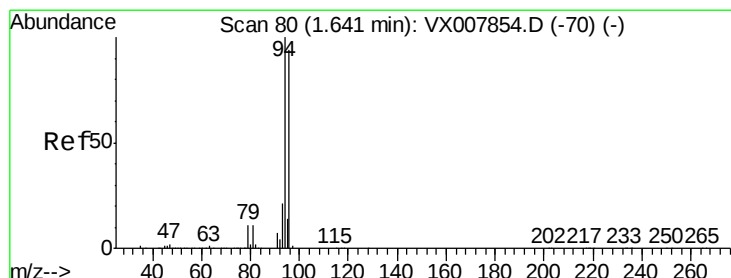
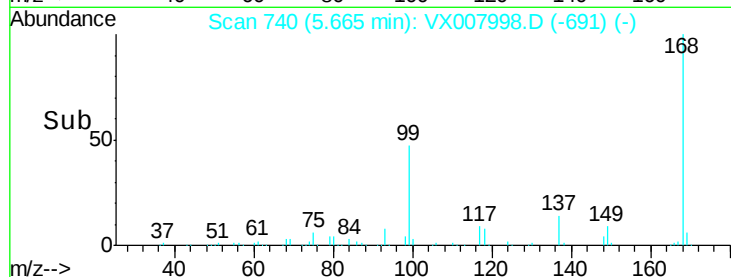
60000

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: VX007998.D

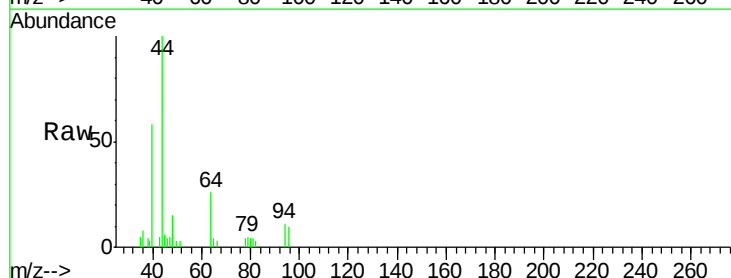
Acq: 12 Mar 2019 06:41

Tgt Ion: 94 Resp: 447

Ion Ratio Lower Upper

94 100

96 91.9 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

250

200

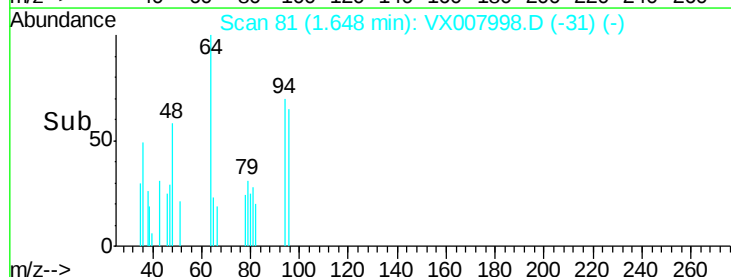
150

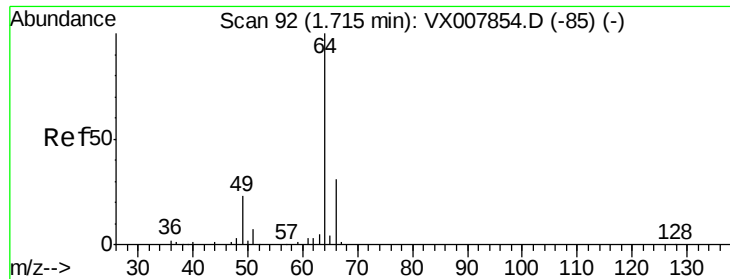
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 1.118 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX007998.D

Acq: 12 Mar 2019 06:41

Instrument :

MSVOA_X

ClientSampleId :

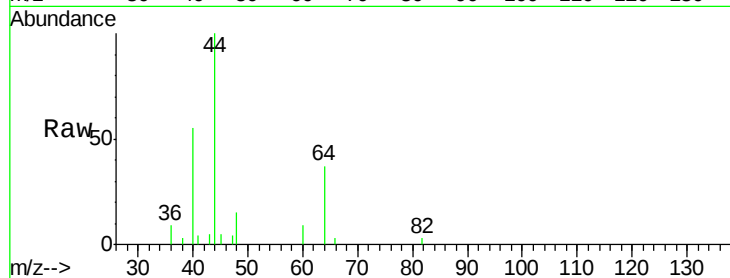
CPA-CPMW11S-M20W2-030519

Tot Ion: 64 Resp: 1998

Ion Ratio Lower Upper

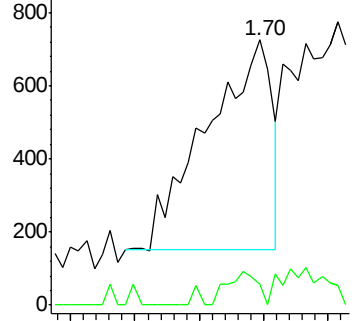
64 100

66 10.3 25.2 37.8#

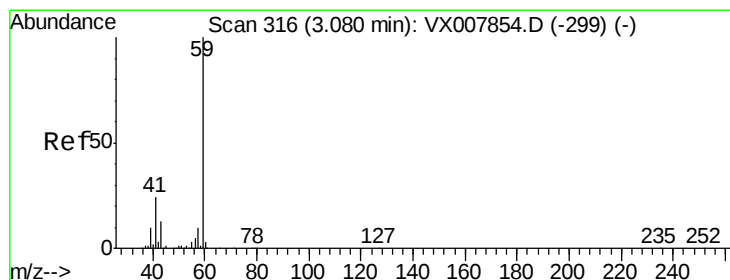
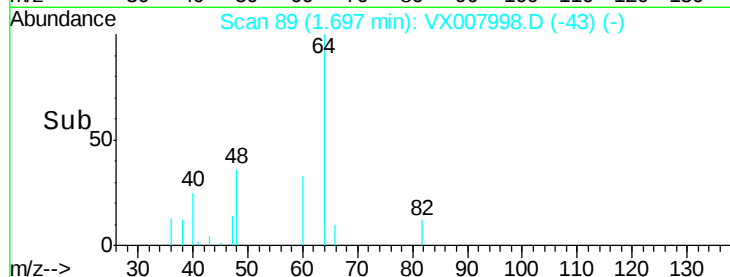


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



#11

Tert butyl alcohol

Concen: 2.413 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX007998.D

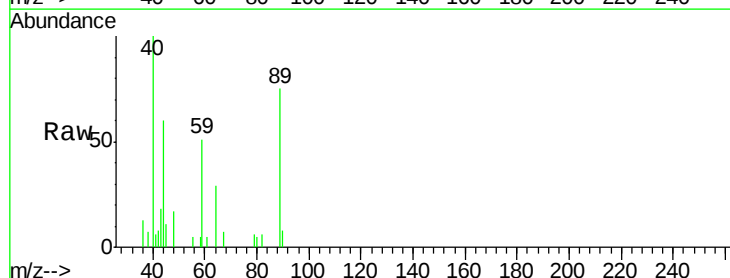
Acq: 12 Mar 2019 06:41

Tgt Ion: 59 Resp: 1400

Ion Ratio Lower Upper

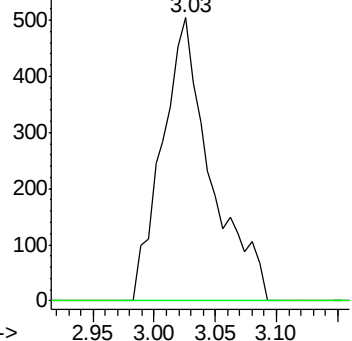
59 100

57 0.0 8.2 12.2#

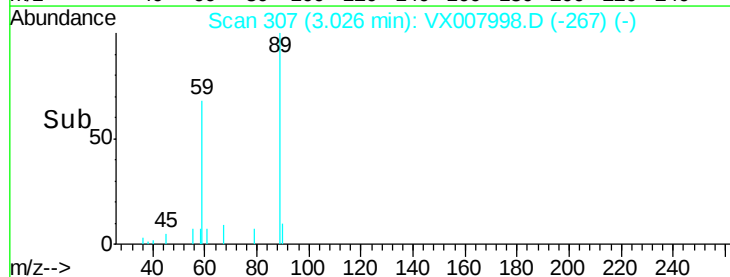


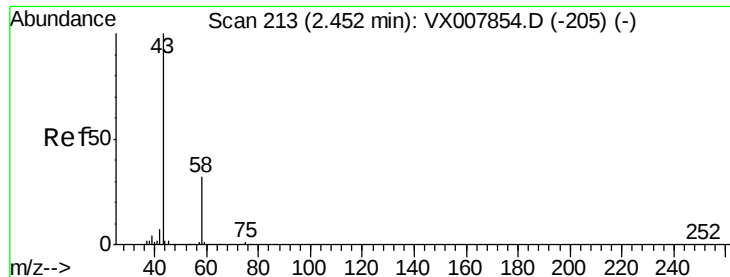
Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



Time-->





#16

Acetone

Concen: 2.702 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX007998.D

Acq: 12 Mar 2019 06:41

Instrument :

MSVOA_X

ClientSampleId :

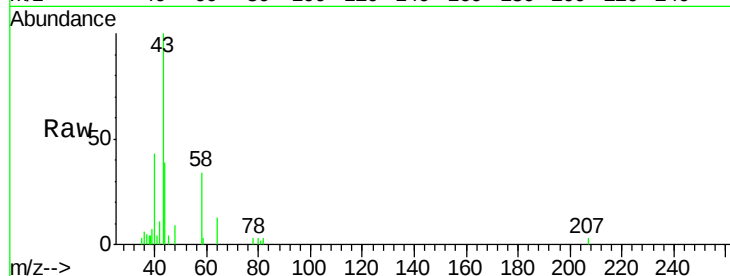
CPA-CPMW11S-M20W2-030519

Tot Ion: 43 Resp: 4057

Ion Ratio Lower Upper

43 100

58 33.9 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2500

2000

1500

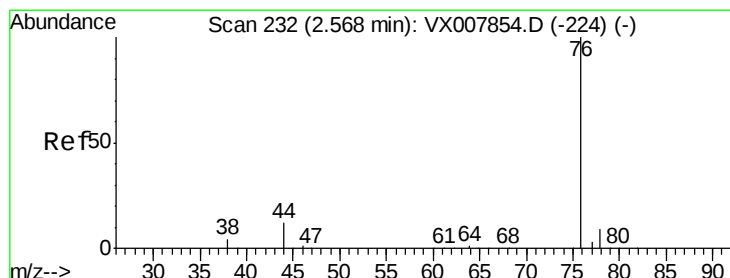
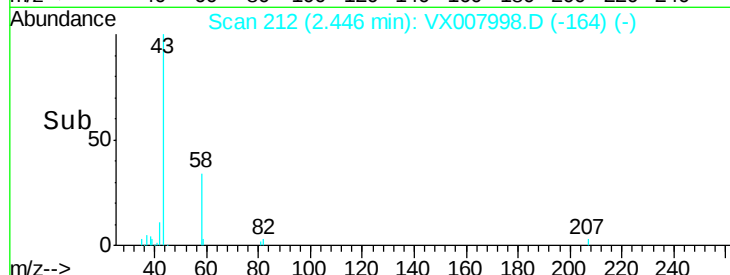
1000

500

0

2.35 2.40 2.45 2.50 2.55

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX007998.D

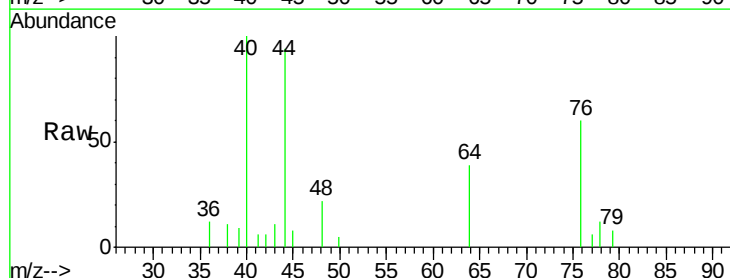
Acq: 12 Mar 2019 06:41

Tgt Ion: 76 Resp: 944

Ion Ratio Lower Upper

76 100

78 20.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

600

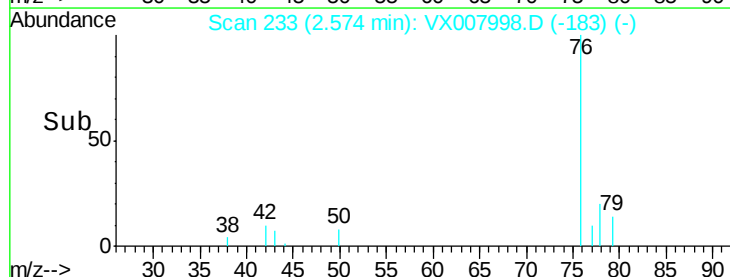
400

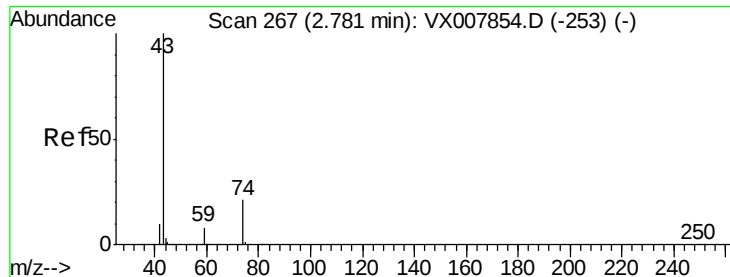
200

0

2.50 2.55 2.60

Time-->

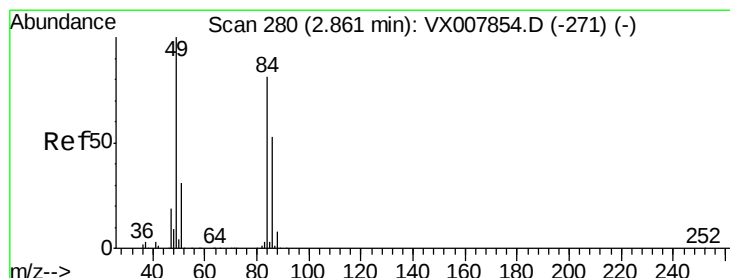
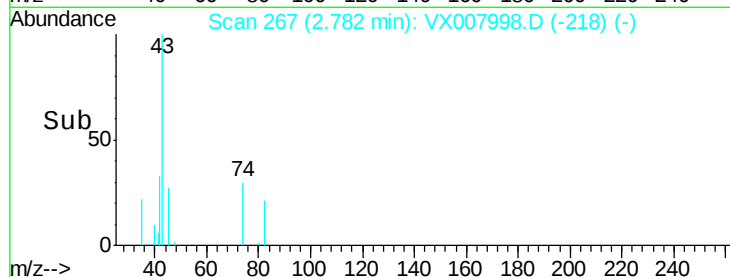
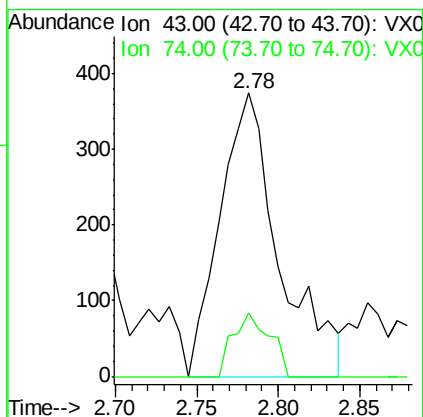
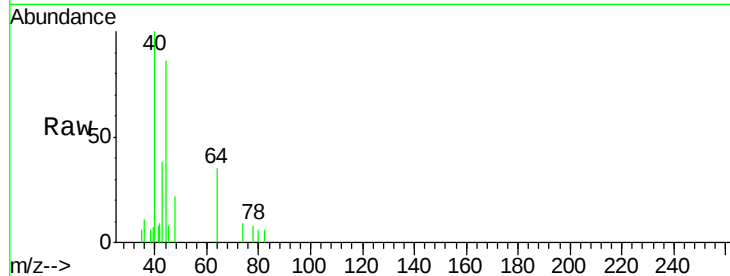




#18
Methyl Acetate
Concen: 0.296 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007998.D
Acq: 12 Mar 2019 06:41

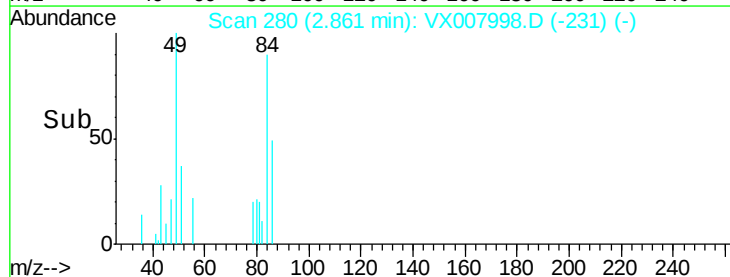
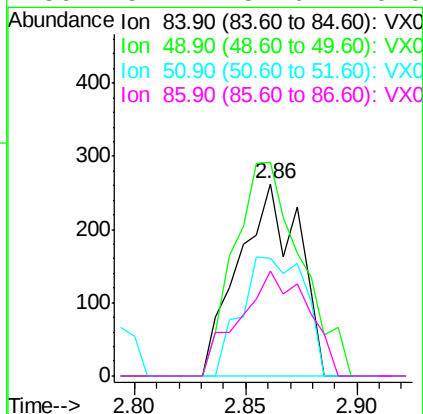
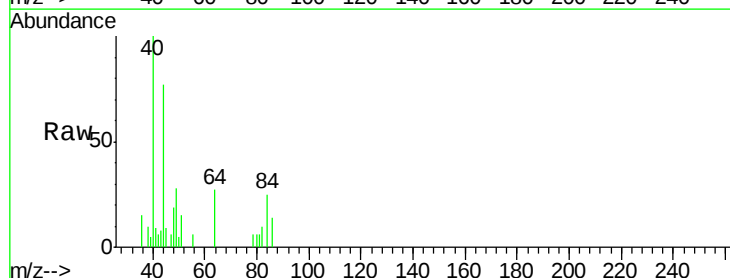
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW11S-M20W2-030519

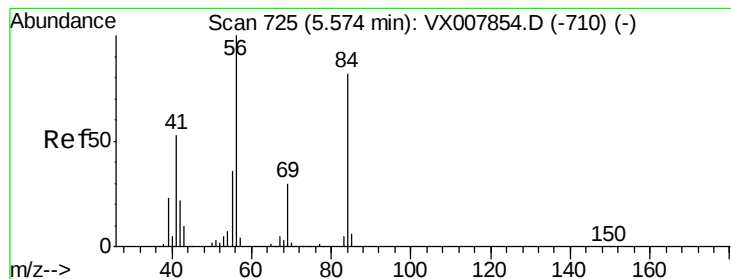
Tot Ion: 43 Resp: 944
Ion Ratio Lower Upper
43 100
74 14.0 17.8 26.6#



#20
Methylene Chloride
Concen: 0.205 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007998.D
Acq: 12 Mar 2019 06:41

Tgt Ion: 84 Resp: 491
Ion Ratio Lower Upper
84 100
49 111.0 99.3 148.9
51 60.8 31.3 46.9#
86 54.4 52.6 79.0





#31

Cyclohexane

Concen: 0.927 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX007998.D

Acq: 12 Mar 2019 06:41

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW11S-M20W2-030519

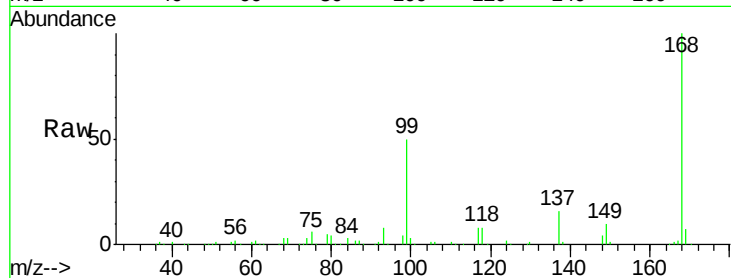
Tot Ion: 56 Resp: 3694

Ion Ratio Lower Upper

56 100

69 215.2 24.0 36.0#

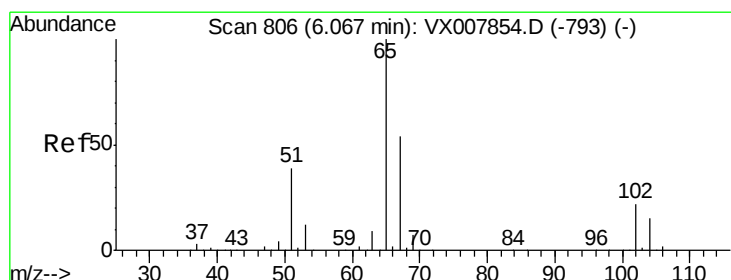
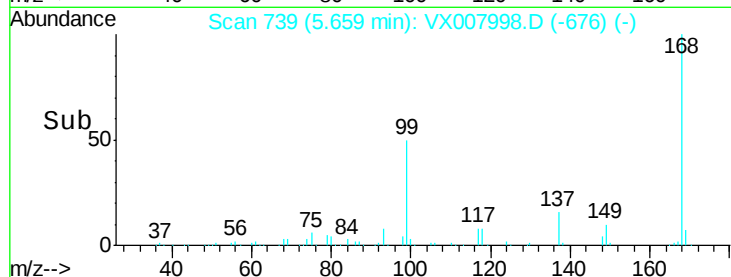
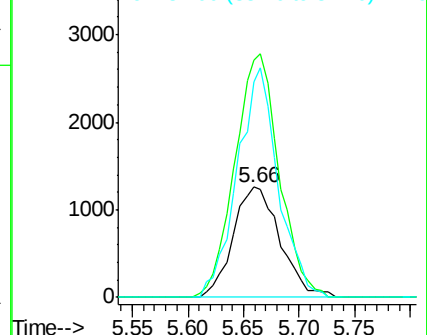
84 195.7 65.3 97.9#



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: 51.562 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007998.D

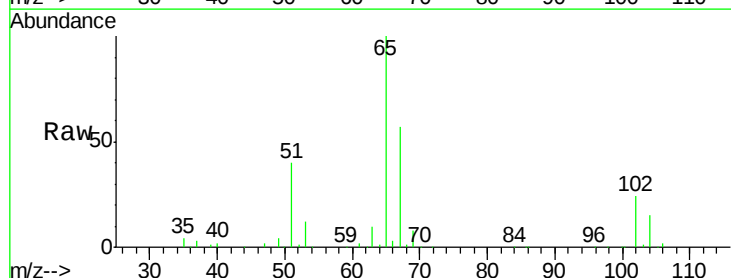
Acq: 12 Mar 2019 06:41

Tgt Ion: 65 Resp: 133777

Ion Ratio Lower Upper

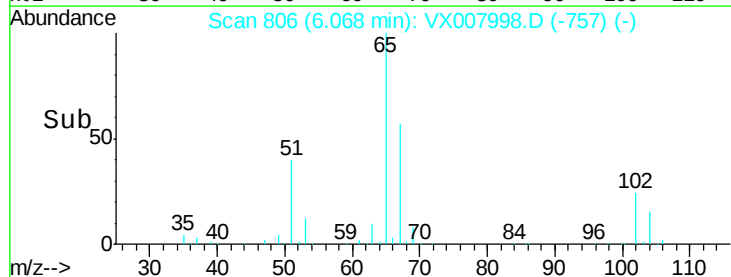
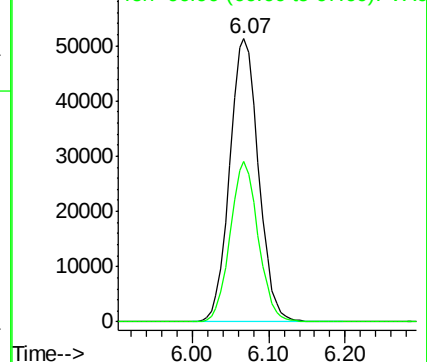
65 100

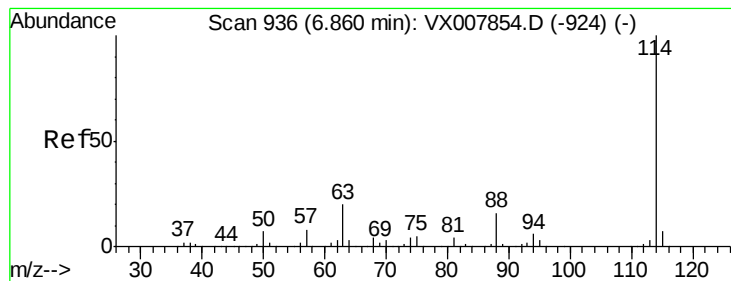
67 54.9 0.0 110.0



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: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007998.D

Acq: 12 Mar 2019 06:41

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CPA-CPMW11S-M20W2-030519

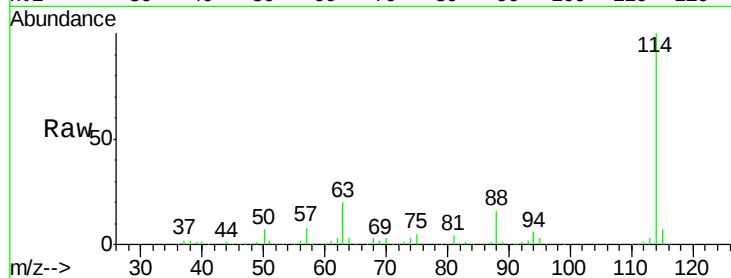
Tot Ion:114 Resp: 387352

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.8

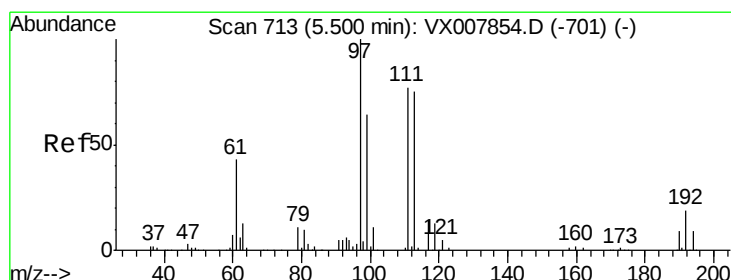
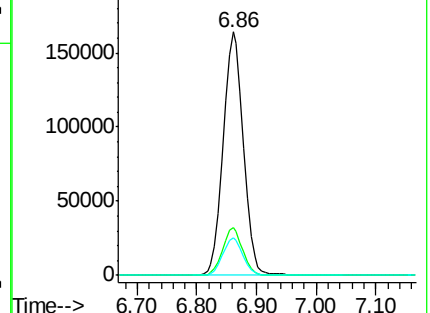
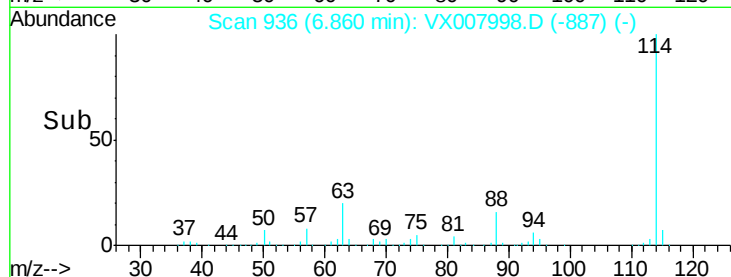
88 15.5 0.0 31.4



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: 50.412 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007998.D

Acq: 12 Mar 2019 06:41

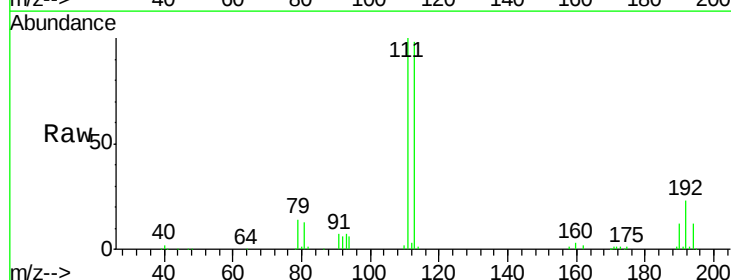
Tgt Ion:113 Resp: 124908

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

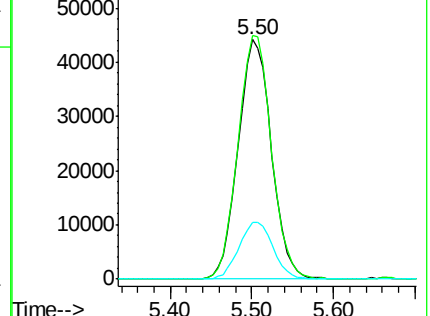
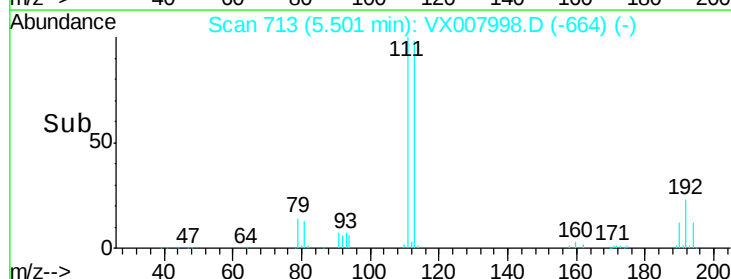
192 24.4 19.4 29.0

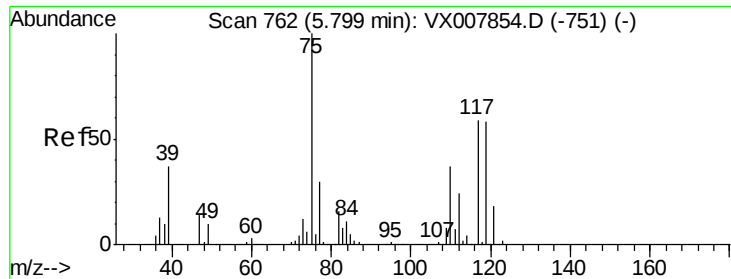


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

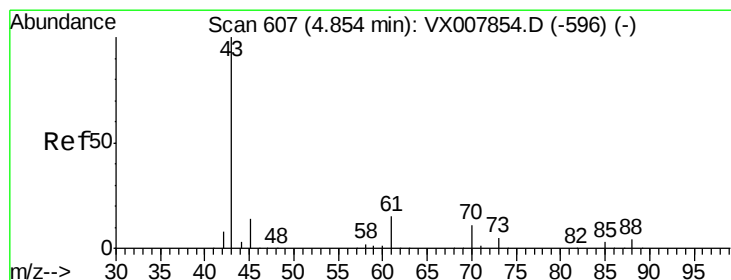
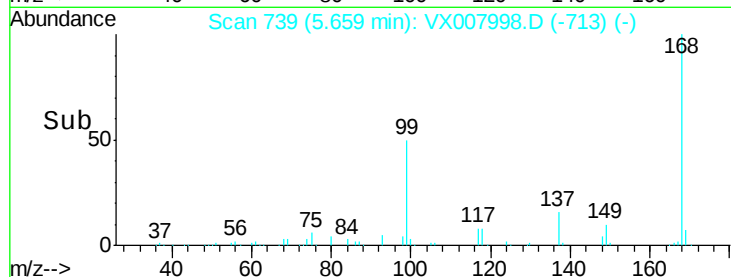
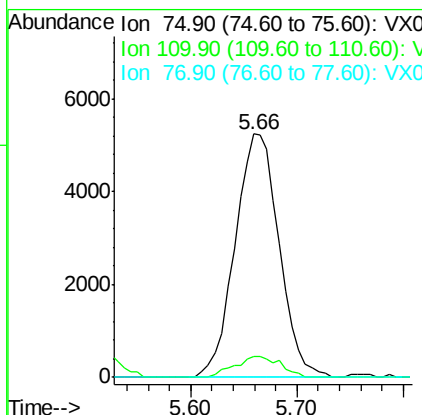
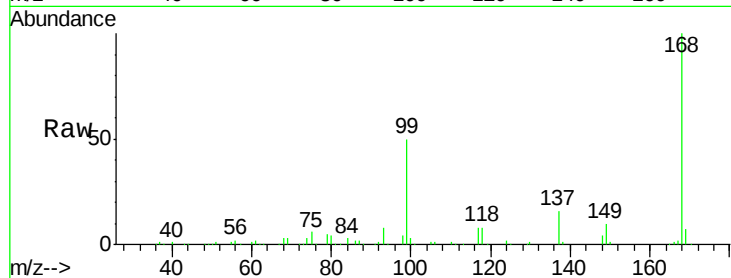




#36
 1,1-Dichloropropene
 Concen: 4.324 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX007998.D
 Acq: 12 Mar 2019 06:41

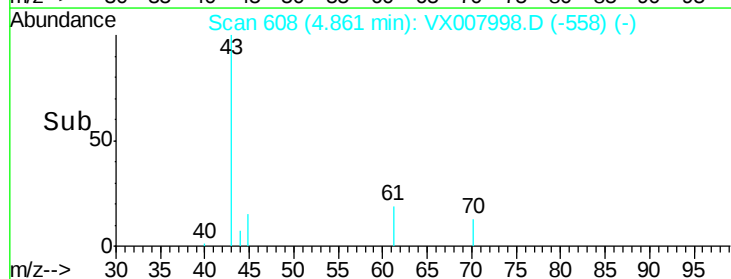
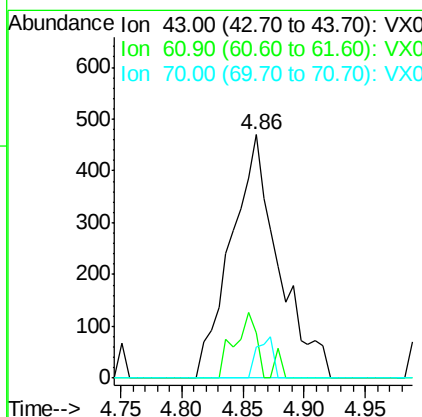
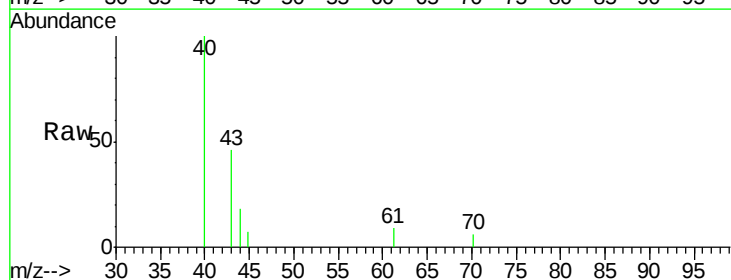
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 CPA-CPMW11S-M20W2-030519

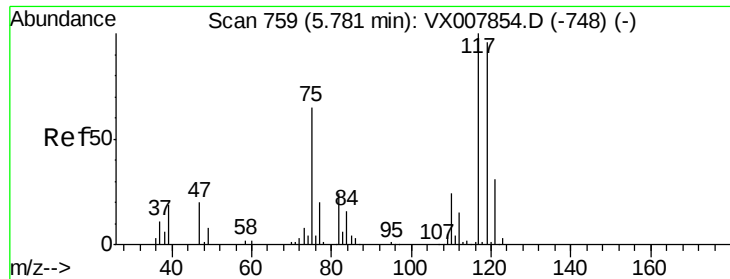
Tot Ion: 75 Resp: 15166
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.4 55.0#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 0.304 ug/l
 RT: 4.86 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: VX007998.D
 Acq: 12 Mar 2019 06:41

Tgt Ion: 43 Resp: 1265
 Ion Ratio Lower Upper
 43 100
 61 12.3 11.3 16.9
 70 0.0 8.5 12.7#





#38

Carbon Tetrachloride

Concen: 6.267 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007998.D

Acq: 12 Mar 2019 06:41

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW11S-M20W2-030519

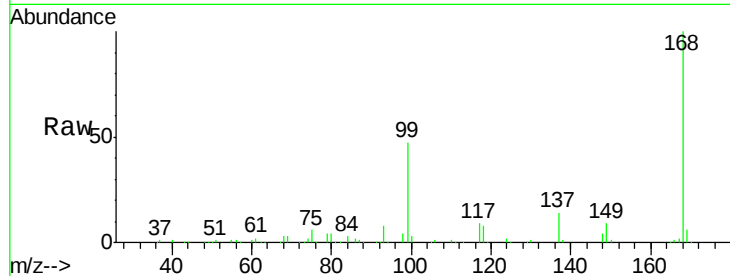
Tot Ion:117 Resp: 20868

Ion Ratio Lower Upper

117 100

119 5.4 76.2 114.2#

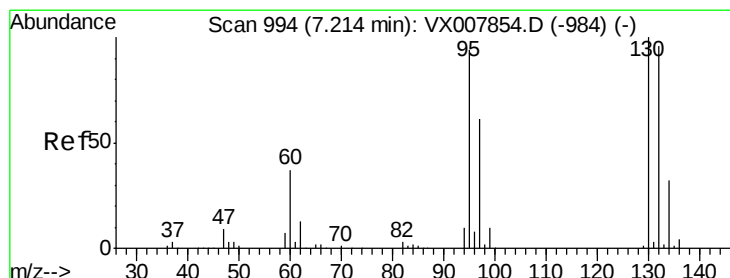
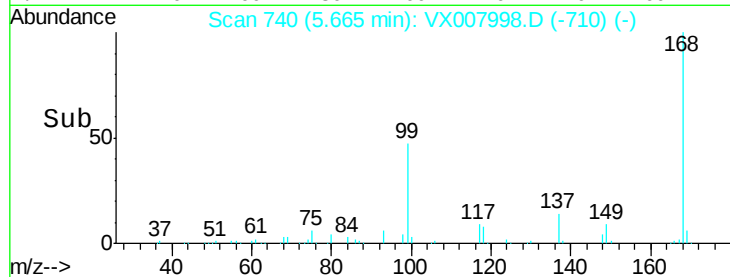
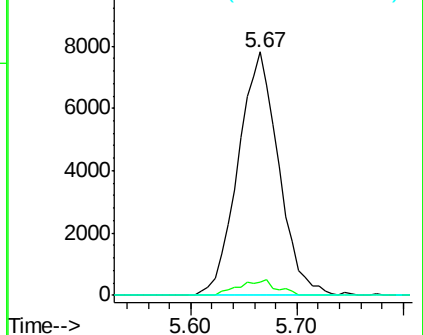
121 0.0 24.6 36.8#



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



#44

Trichloroethene

Concen: 0.345 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX007998.D

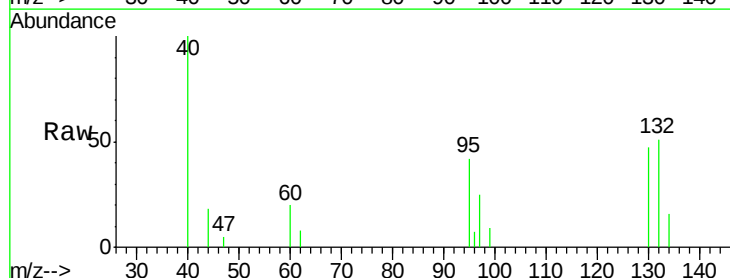
Acq: 12 Mar 2019 06:41

Tgt Ion:130 Resp: 994

Ion Ratio Lower Upper

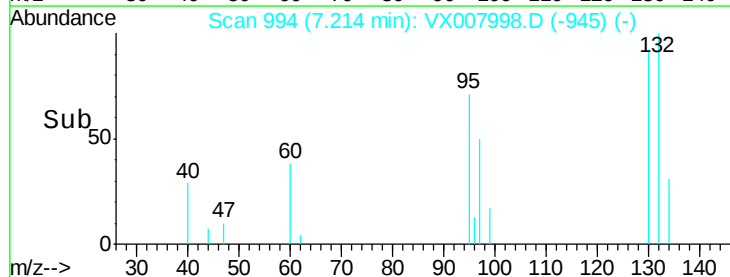
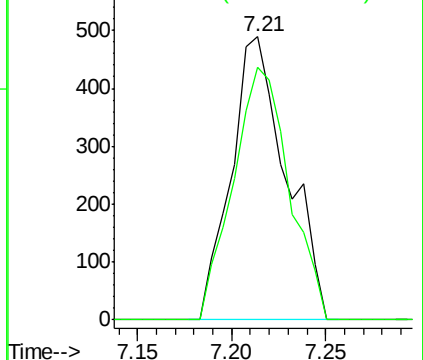
130 100

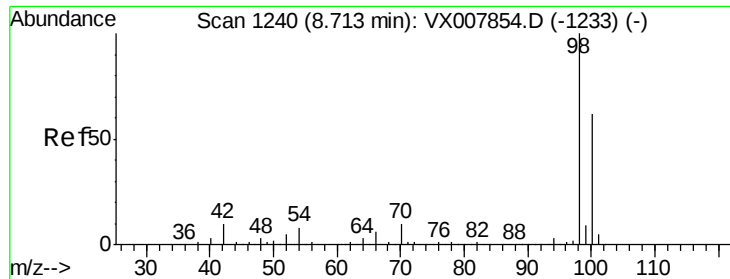
95 89.2 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

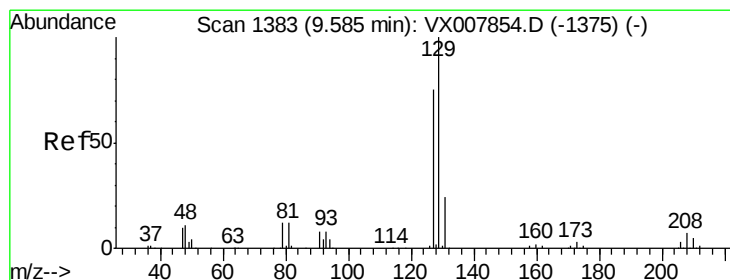
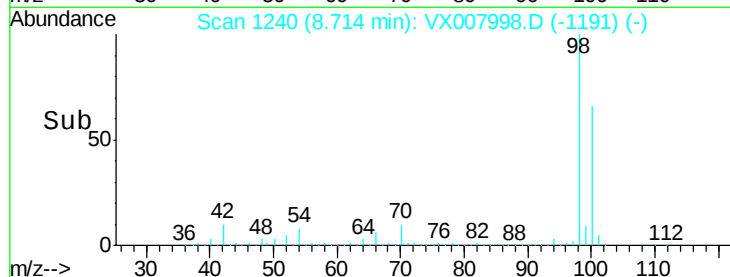
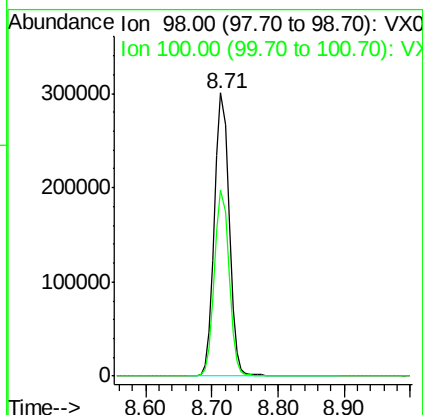
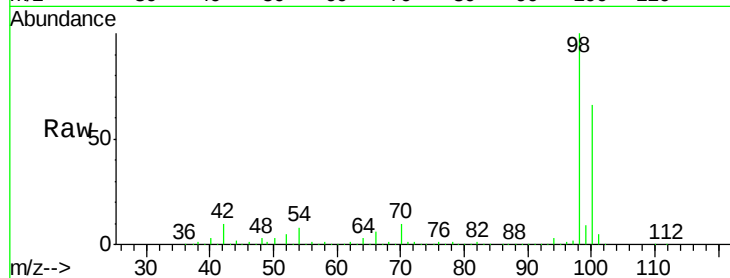




#50
Toluene-d8
Concen: 51.139 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007998.D
Acq: 12 Mar 2019 06:41

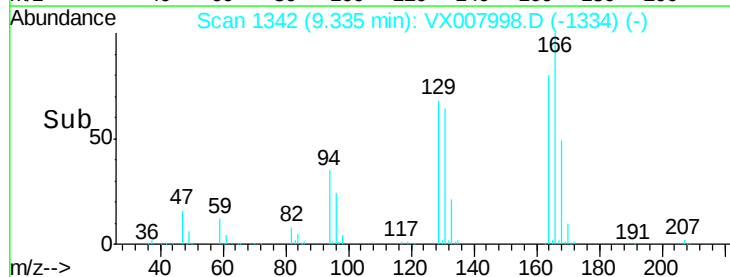
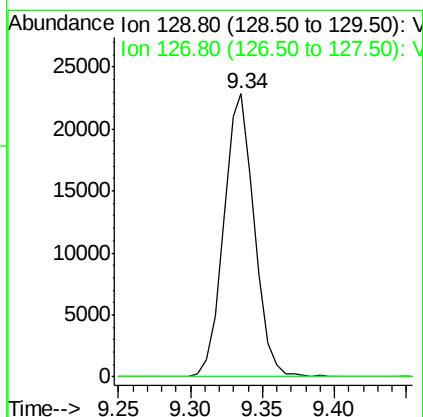
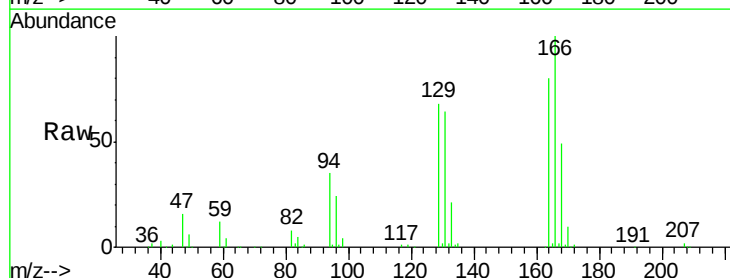
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW11S-M20W2-030519

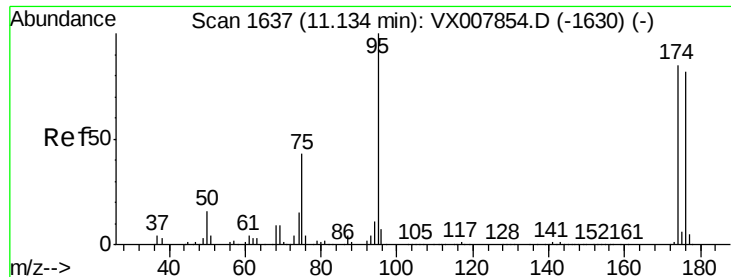
Tot Ion: 98 Resp: 465346
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5



#60
Dibromochloromethane
Concen: 12.567 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.25 min
Lab File: VX007998.D
Acq: 12 Mar 2019 06:41

Tgt Ion: 129 Resp: 33897
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.8#





#62

4-Bromofluorobenzene

Concen: 53.802 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007998.D

Acq: 12 Mar 2019 06:41

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW11S-M20W2-030519

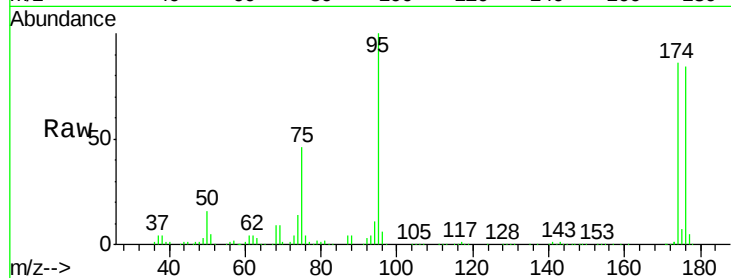
Tot Ion: 95 Resp: 171649

Ion Ratio Lower Upper

95 100

174 92.9 0.0 182.8

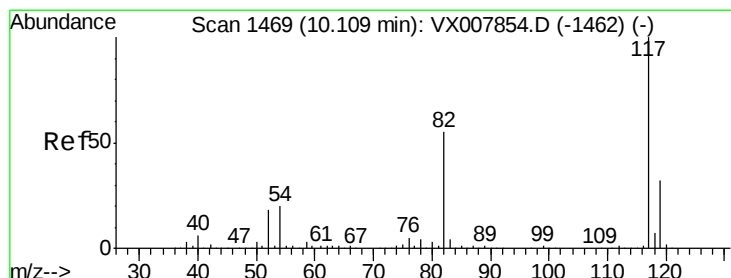
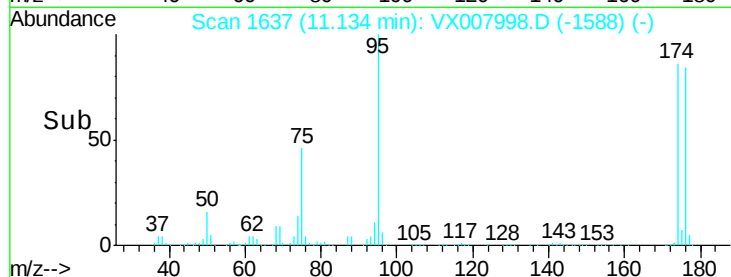
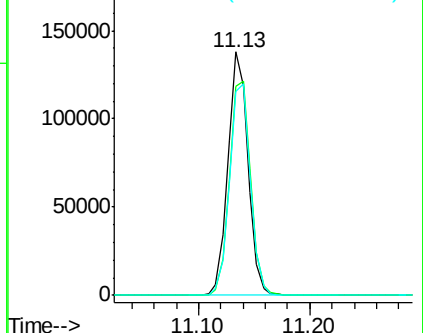
176 90.6 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX007854.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX007854.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX007854.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007998.D

Acq: 12 Mar 2019 06:41

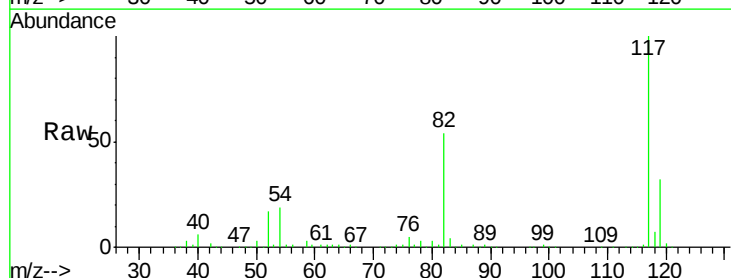
Tgt Ion: 117 Resp: 367396

Ion Ratio Lower Upper

117 100

82 53.9 44.3 66.5

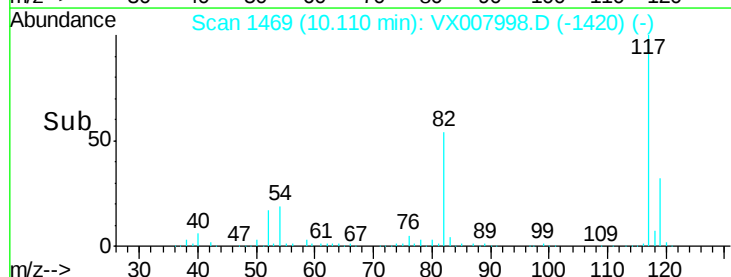
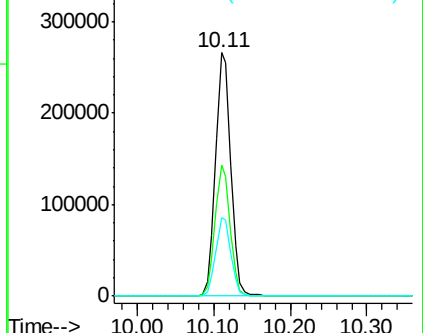
119 32.2 25.3 37.9

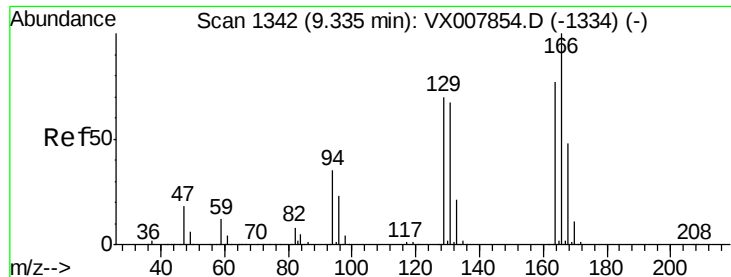


Abundance Ion 116.90 (116.60 to 117.60): VX007854.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX007854.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX007854.D (-1462) (-)





#64

Tetrachloroethene

Concen: 12.755 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007998.D

Acq: 12 Mar 2019 06:41

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW11S-M20W2-030519

Tot Ion:164 Resp: 38835

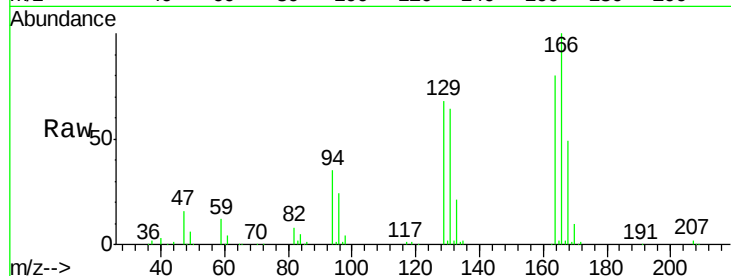
Ion Ratio Lower Upper

164 100

166 125.5 103.4 155.0

129 85.8 72.2 108.4

131 80.8 69.4 104.2

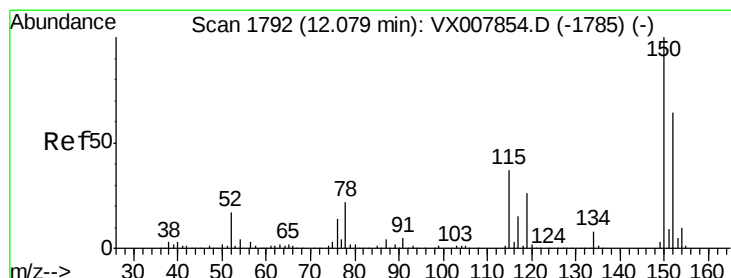
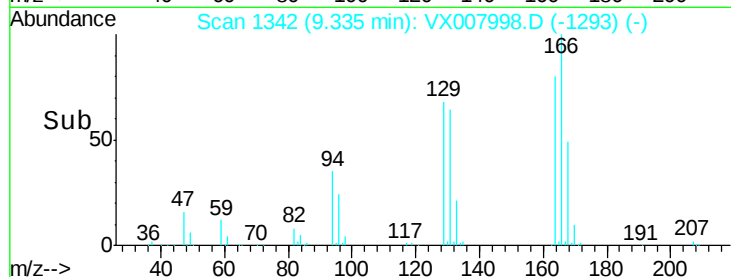
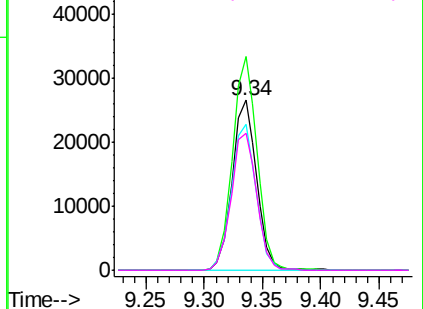


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX007998.D

Acq: 12 Mar 2019 06:41

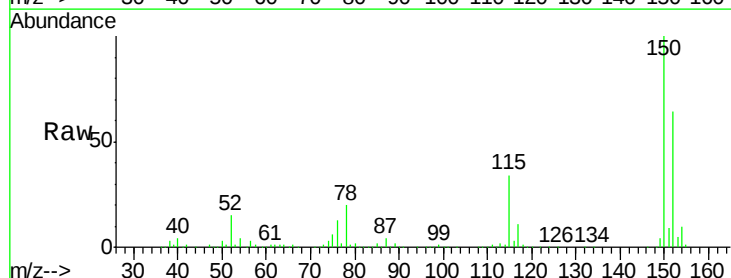
Tgt Ion:152 Resp: 179612

Ion Ratio Lower Upper

152 100

115 54.6 38.6 115.7

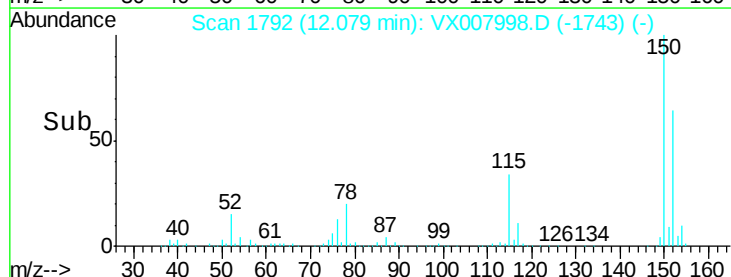
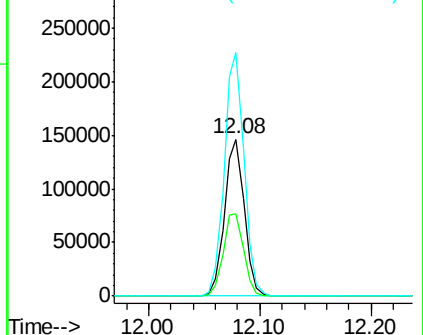
150 155.0 0.0 348.4

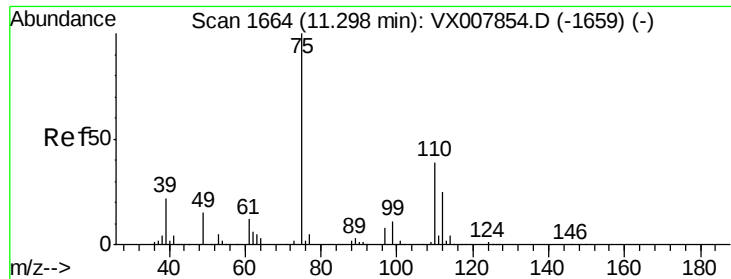


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 20.913 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007998.D

Acq: 12 Mar 2019 06:41

Instrument :

MSVOA_X

ClientSampleId :

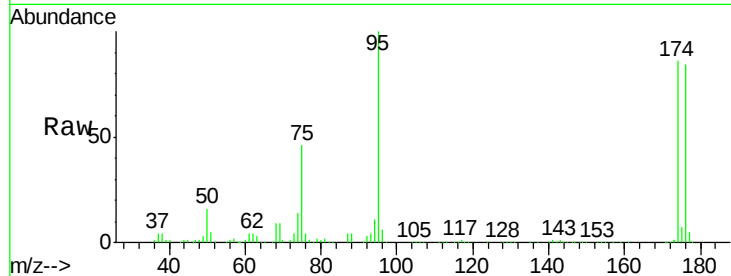
CPA-CPMW11S-M20W2-030519

Tot Ion: 75 Resp: 78823

Ion Ratio Lower Upper

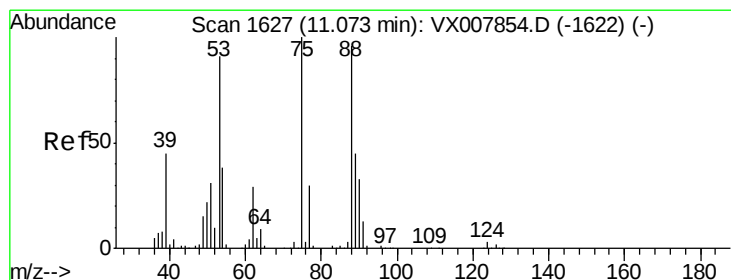
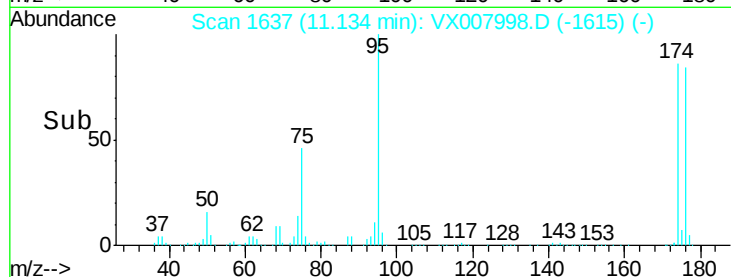
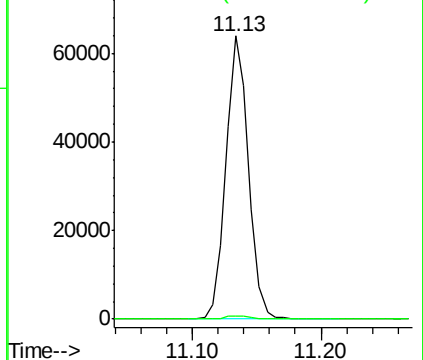
75 100

77 1.4 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: 66.850 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007998.D

Acq: 12 Mar 2019 06:41

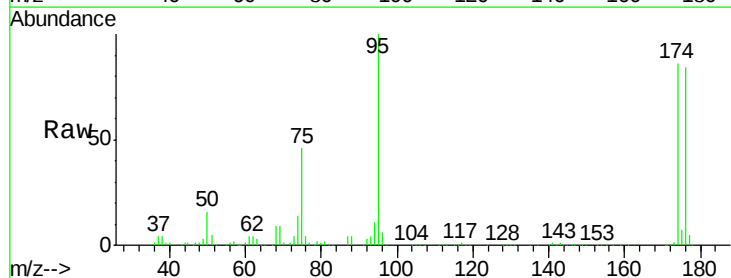
Tgt Ion: 75 Resp: 78823

Ion Ratio Lower Upper

75 100

53 0.1 76.1 114.1#

89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

