

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120718\
 Data File : VX006343.D
 Acq On : 07 Dec 2018 13:25
 Operator : JC/MD
 Sample : J6259-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW305D-20181205

Quant Time: Dec 08 00:10:04 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	860333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1302397	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1169678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	558343	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	424290	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
35) Dibromofluoromethane	5.50	113	404225	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
50) Toluene-d8	8.71	98	1494302	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
62) 4-Bromofluorobenzene	11.13	95	552799	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	

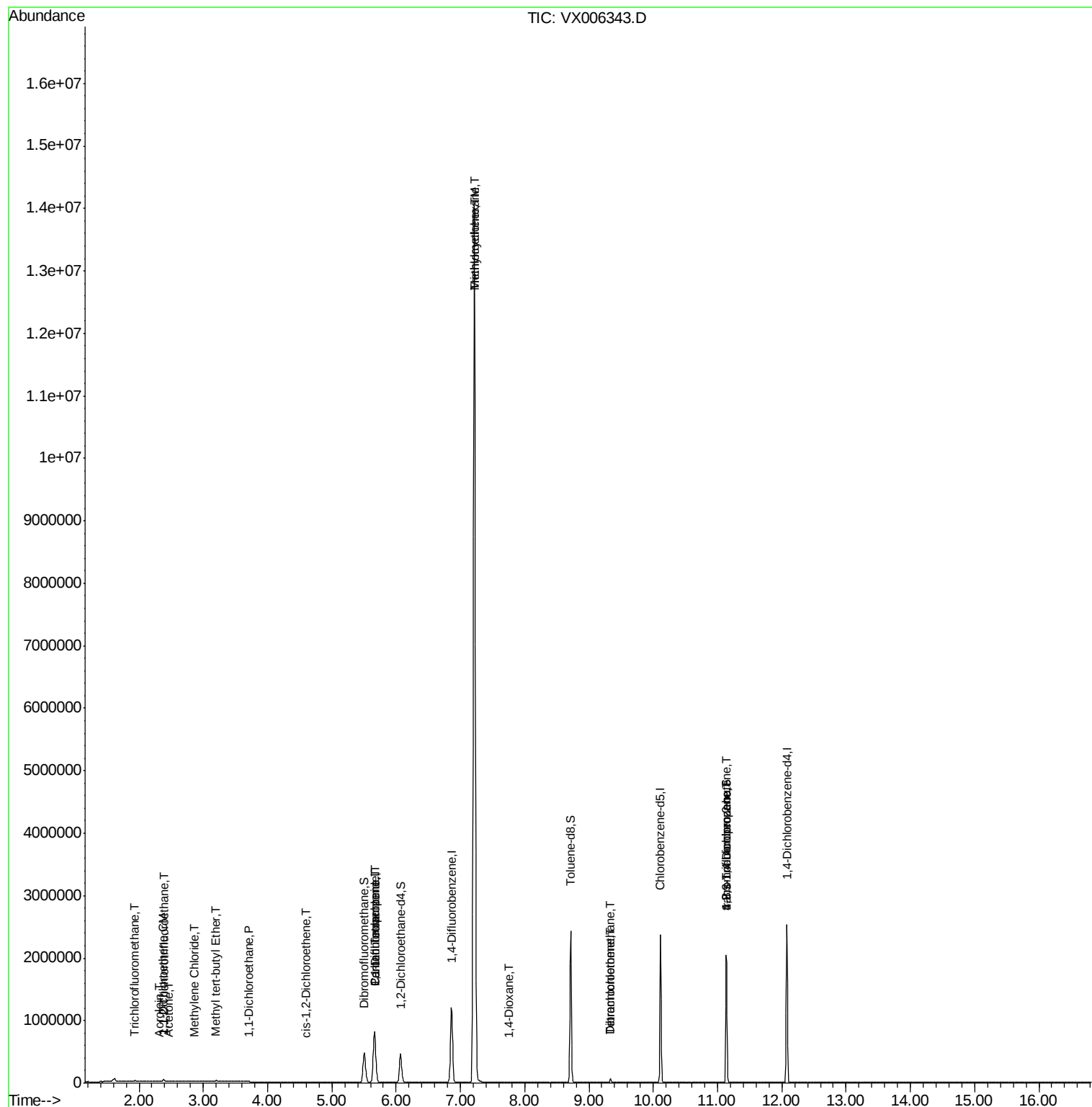
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Trichlorofluoromethane	1.93	101	9025	0.631	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	6135	0.754	ug/l #	92
12) 1,1-Dichloroethene	2.38	96	7564	0.972	ug/l	86
13) Acrolein	2.31	56	555	0.423	ug/l	84
16) Acetone	2.45	43	4258	1.033	ug/l #	88
19) Methyl tert-butyl Ether	3.20	73	13400	0.483	ug/l #	81
20) Methylene Chloride	2.86	84	2449	0.279	ug/l #	83
24) 1,1-Dichloroethane	3.70	63	6547	0.477	ug/l #	86
27) cis-1,2-Dichloroethene	4.60	96	5734	0.620	ug/l	90
36) 1,1-Dichloropropene	5.66	75	52947	4.828	ug/l #	49
38) Carbon Tetrachloride	5.67	117	77334	5.994	ug/l #	16
39) Methylcyclohexane	7.22	83	62217	4.370	ug/l #	1
44) Trichloroethene	7.21	130	5787561	581.589	ug/l	94
49) 1,4-Dioxane	7.75	88	990	4.032	ug/l #	56
60) Dibromochloromethane	9.34	129	8995	0.831	ug/l #	12
64) Tetrachloroethene	9.34	164	10420	1.183	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	251102	23.300	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	251102	54.679	ug/l #	15

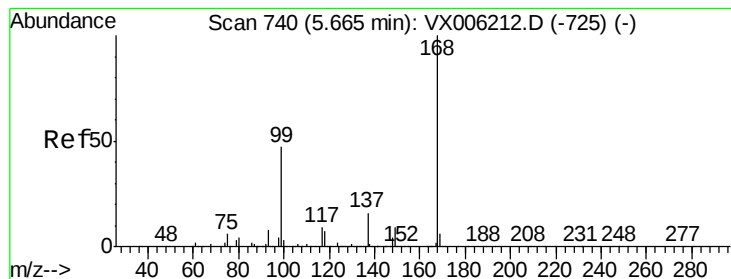
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX006343.D

Acq: 07 Dec 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

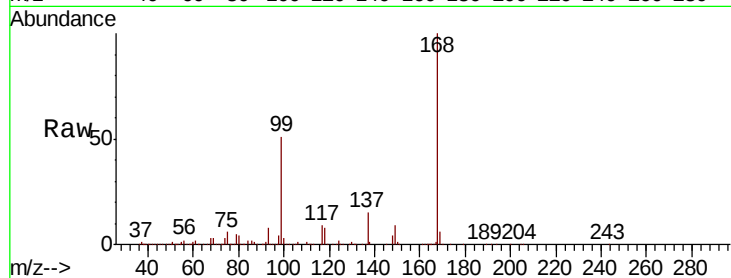
BPS1-TT-MW305D-20181205

Tot Ion:168 Resp: 860333

Ion Ratio Lower Upper

168 100

99 51.3 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

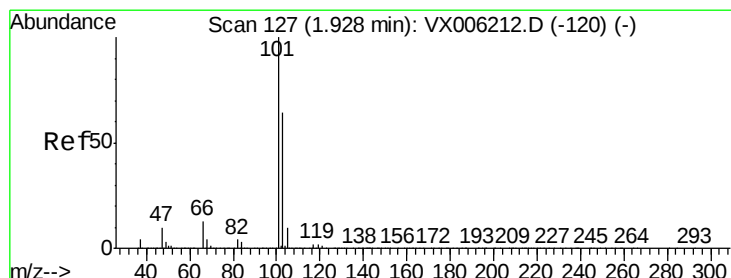
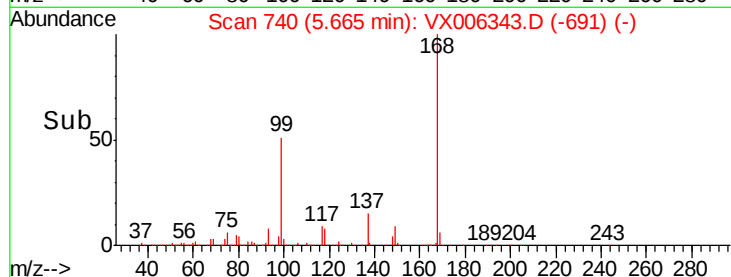
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#7

Trichlorofluoromethane

Concen: 0.631 ug/l

RT: 1.93 min Scan# 128

Delta R.T. 0.01 min

Lab File: VX006343.D

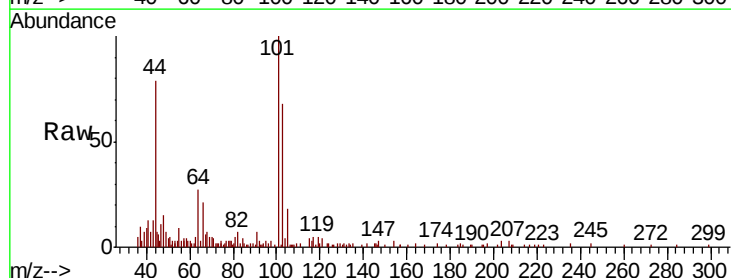
Acq: 07 Dec 2018 13:25

Tgt Ion:101 Resp: 9025

Ion Ratio Lower Upper

101 100

103 66.0 51.0 76.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.93

6000

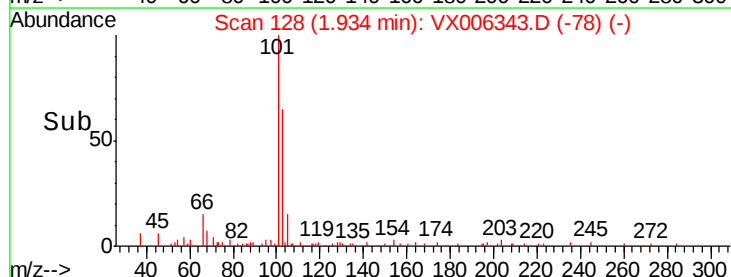
4000

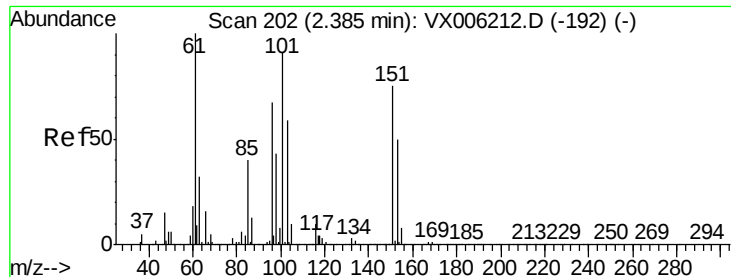
2000

0

Time-->

1.85 1.90 1.95 2.00





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.754 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX006343.D

Acq: 07 Dec 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305D-20181205

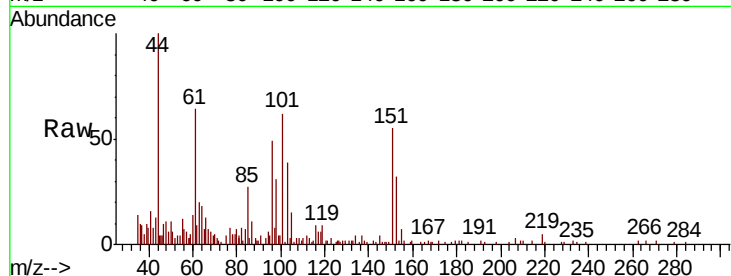
Tot Ion:101 Resp: 6135

Ion Ratio Lower Upper

101 100

85 53.5 35.5 53.3#

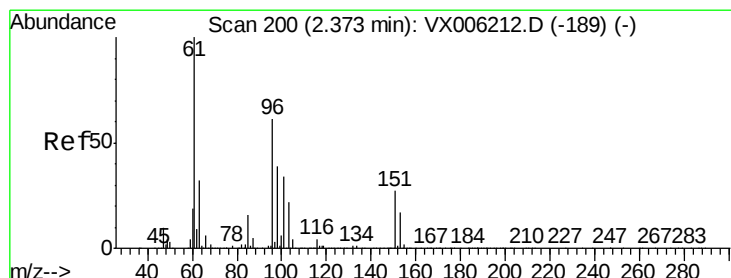
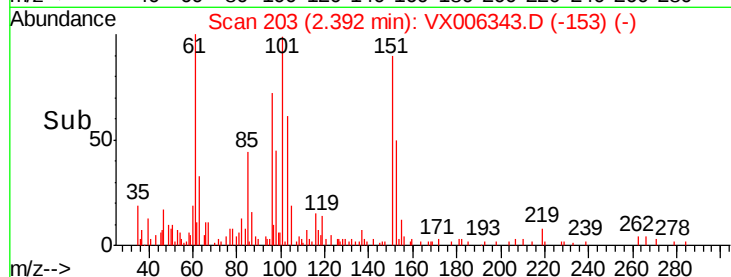
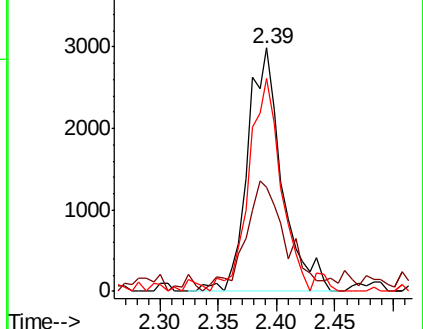
151 81.5 68.6 103.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#12

1,1-Dichloroethene

Concen: 0.972 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX006343.D

Acq: 07 Dec 2018 13:25

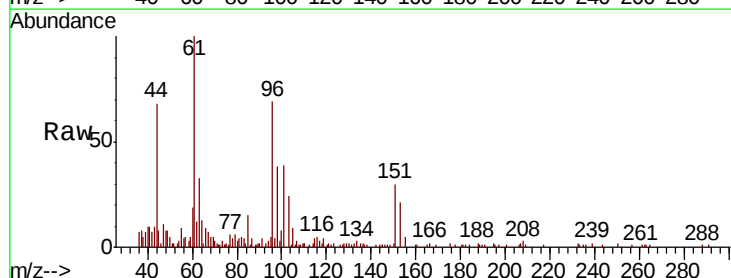
Tgt Ion: 96 Resp: 7564

Ion Ratio Lower Upper

96 100

61 144.5 131.7 197.5

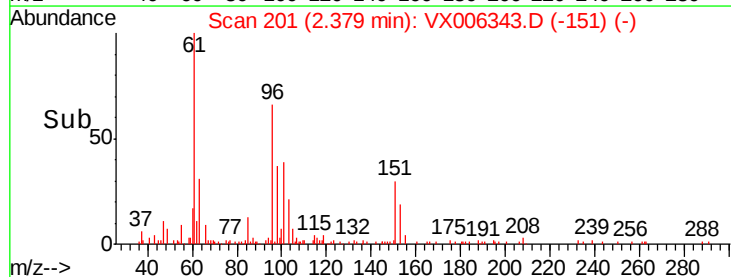
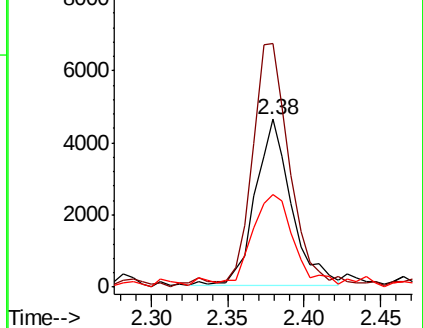
98 54.4 51.8 77.6

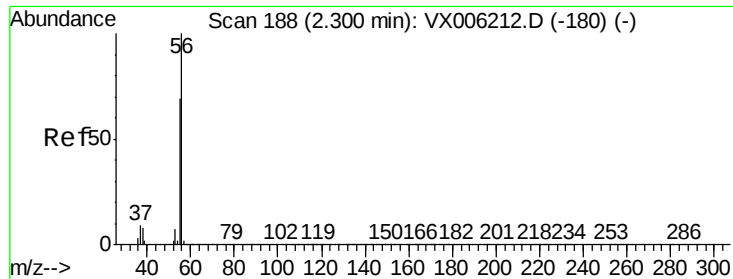


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#13

Acrolein

Concen: 0.423 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX006343.D

Acq: 07 Dec 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

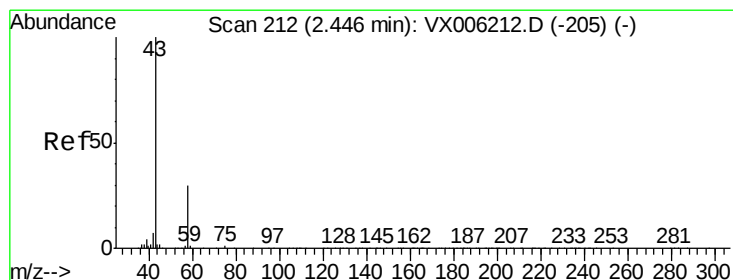
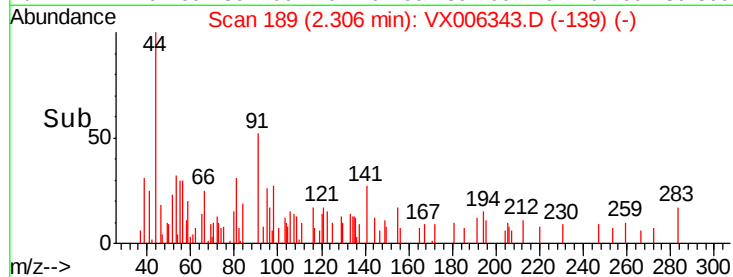
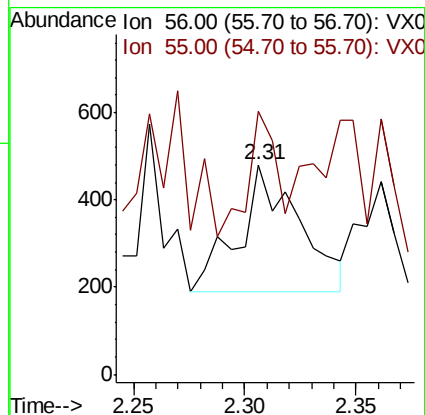
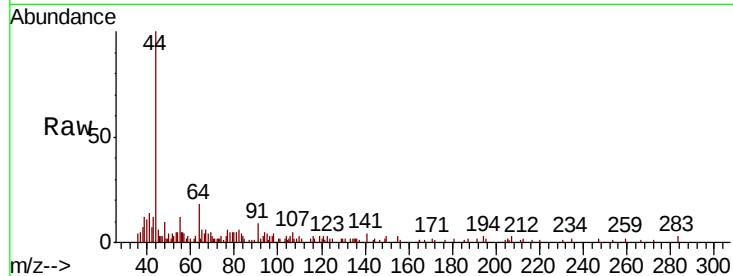
BPS1-TT-MW305D-20181205

Tot Ion: 56 Resp: 555

Ion Ratio Lower Upper

56 100

55 58.9 57.8 86.6



#16

Acetone

Concen: 1.033 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006343.D

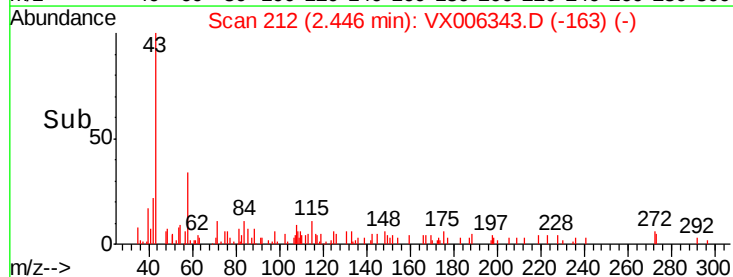
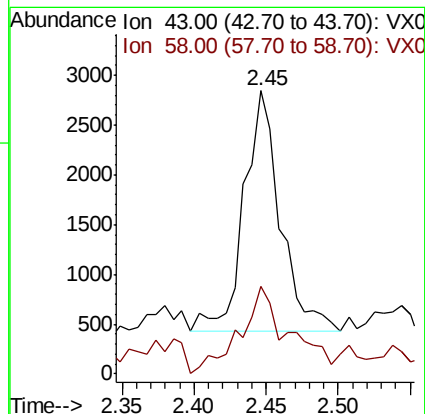
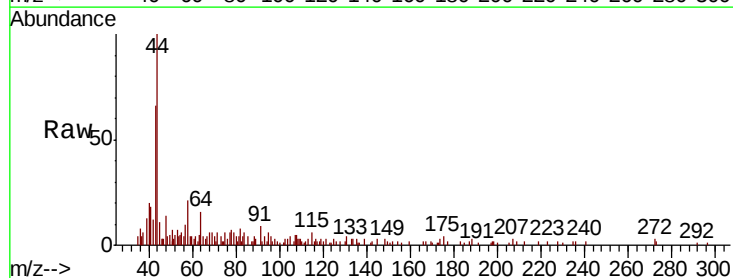
Acq: 07 Dec 2018 13:25

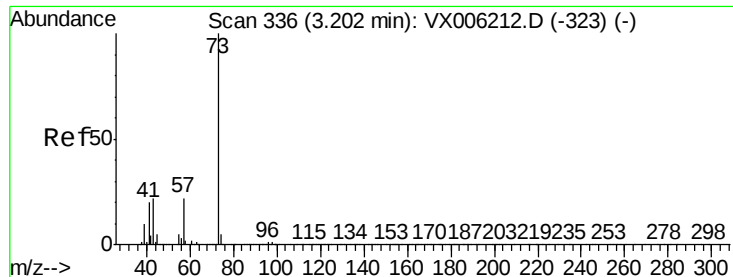
Tgt Ion: 43 Resp: 4258

Ion Ratio Lower Upper

43 100

58 36.4 24.0 36.0#



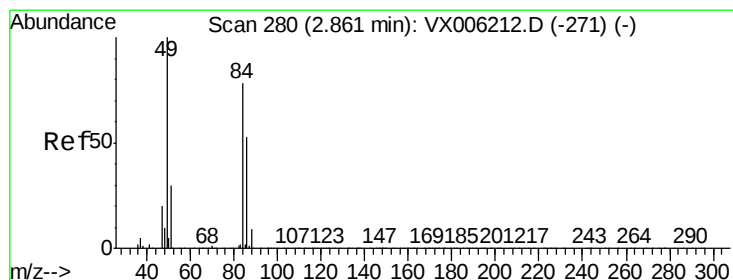
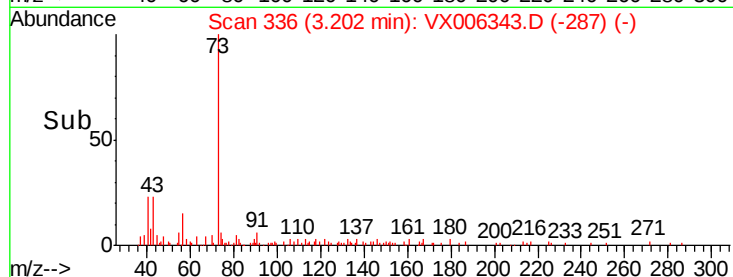
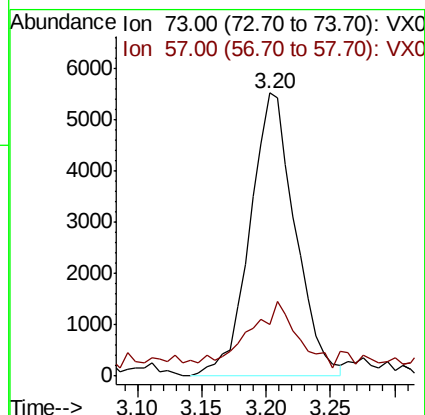
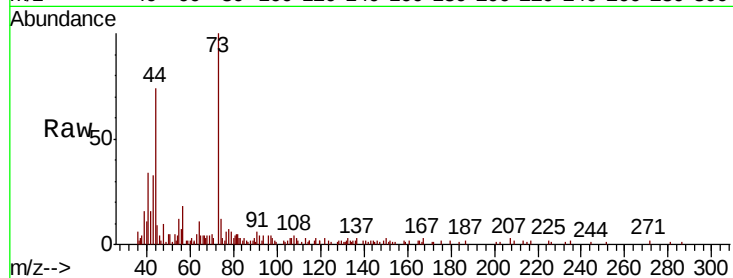


#19

Methyl tert-butyl Ether
 Concen: 0.483 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX006343.D
 Acq: 07 Dec 2018 13:25

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW305D-20181205

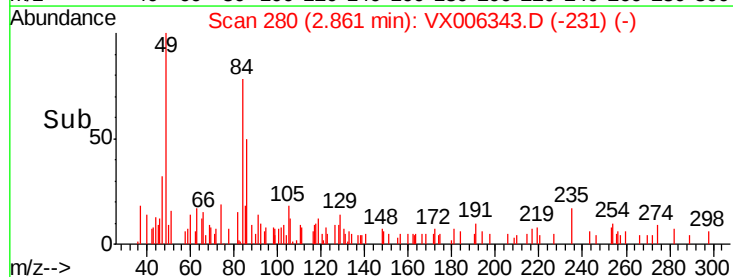
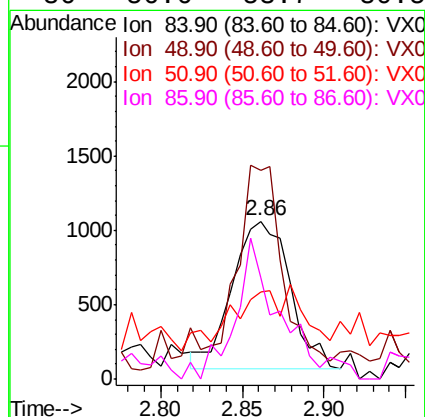
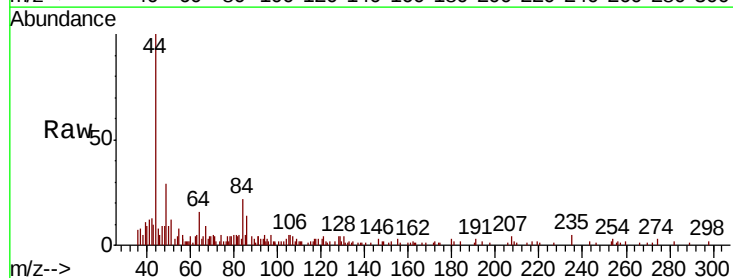
Tot Ion: 73 Resp: 13400
 Ion Ratio Lower Upper
 73 100
 57 12.8 17.5 26.3#

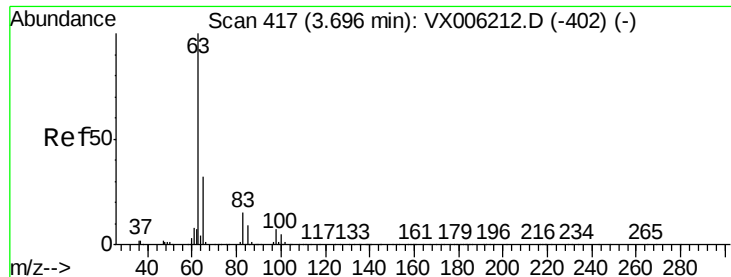


#20

Methylene Chloride
 Concen: 0.279 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX006343.D
 Acq: 07 Dec 2018 13:25

Tgt Ion: 84 Resp: 2449
 Ion Ratio Lower Upper
 84 100
 49 106.9 102.2 153.4
 51 27.1 31.1 46.7#
 86 56.6 53.7 80.5





#24

1,1-Dichloroethane

Concen: 0.477 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006343.D

Acq: 07 Dec 2018 13:25

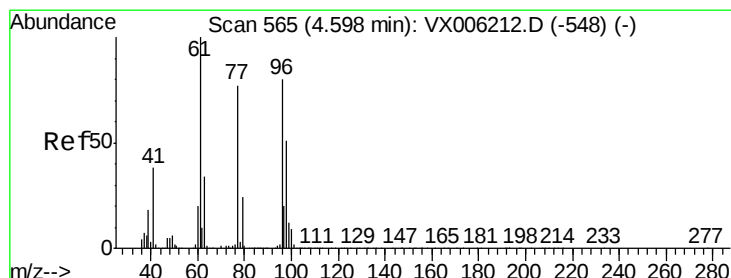
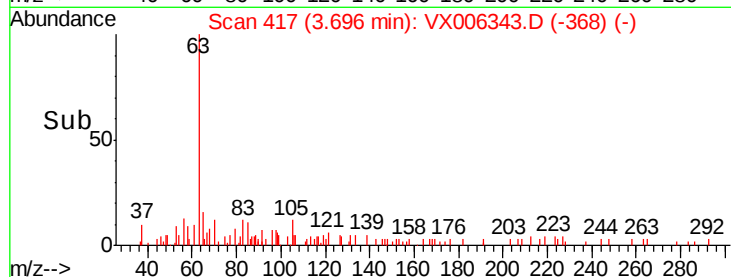
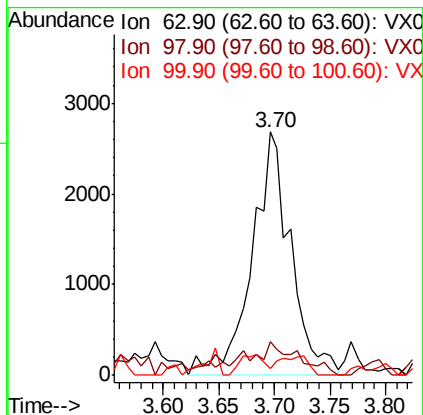
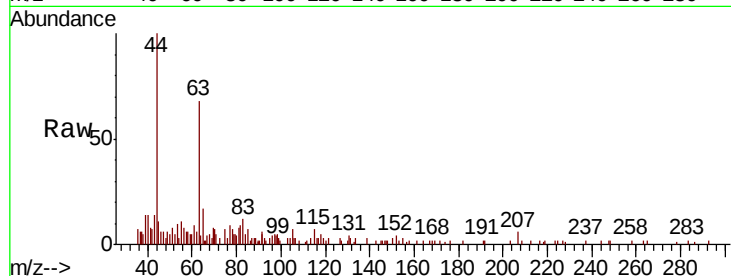
Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305D-20181205

Tot Ion:	63	Resp:	6547
Ion	Ratio	Lower	Upper
63	100		
98	14.2	3.8	11.4#
100	3.1	2.5	7.4



#27

cis-1,2-Dichloroethene

Concen: 0.620 ug/l

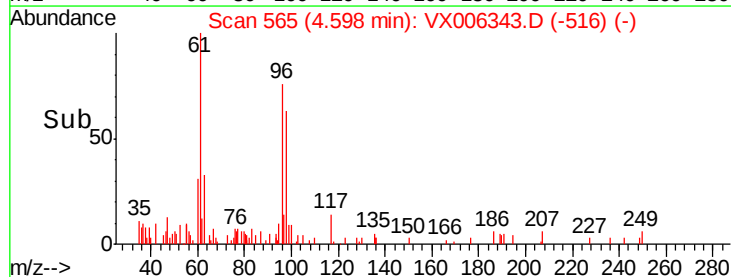
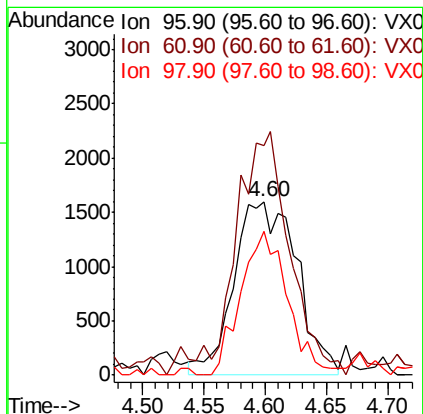
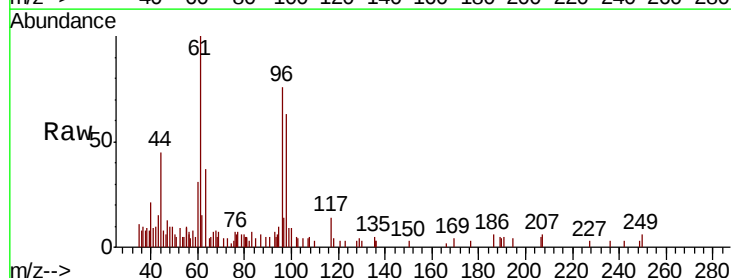
RT: 4.60 min Scan# 565

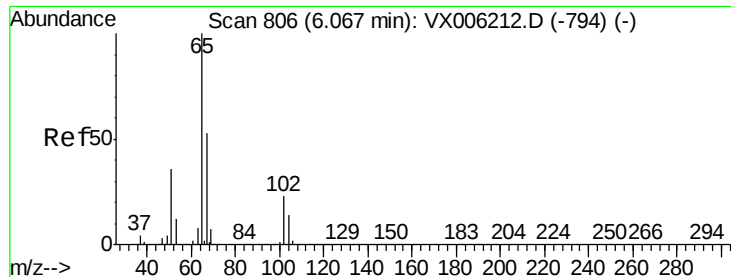
Delta R.T. 0.00 min

Lab File: VX006343.D

Acq: 07 Dec 2018 13:25

Tgt Ion:	96	Resp:	5734
Ion	Ratio	Lower	Upper
96	100		
61	117.3	0.0	265.0
98	61.5	0.0	130.2





#33

1,2-Dichloroethane-d4

Concen: 48.310 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006343.D

Acq: 07 Dec 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

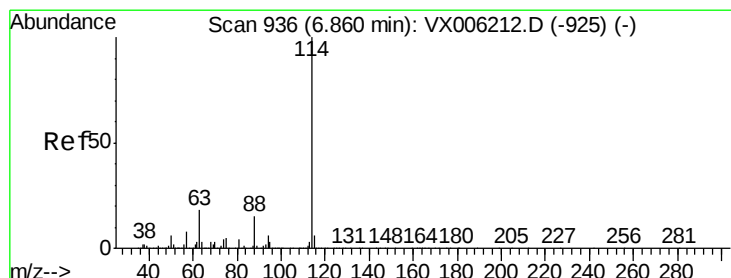
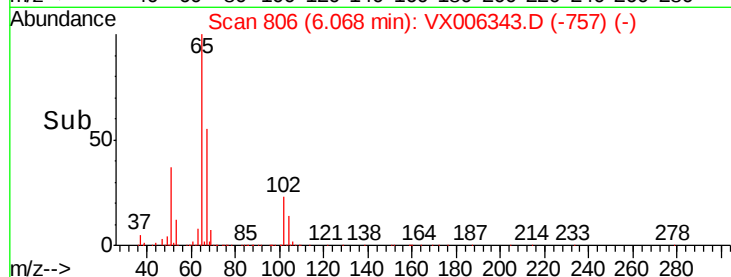
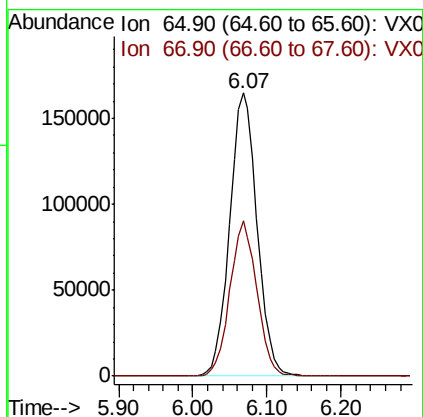
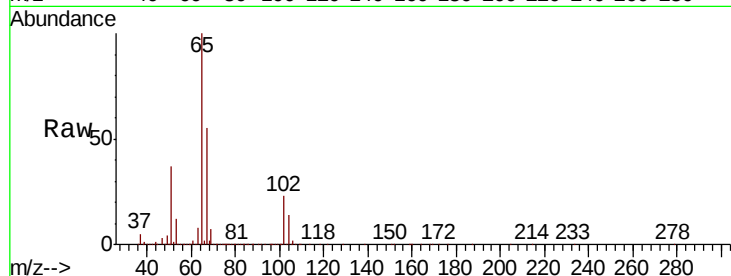
BPS1-TT-MW305D-20181205

Tot Ion: 65 Resp: 424290

Ion Ratio Lower Upper

65 100

67 53.9 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: VX006343.D

Acq: 07 Dec 2018 13:25

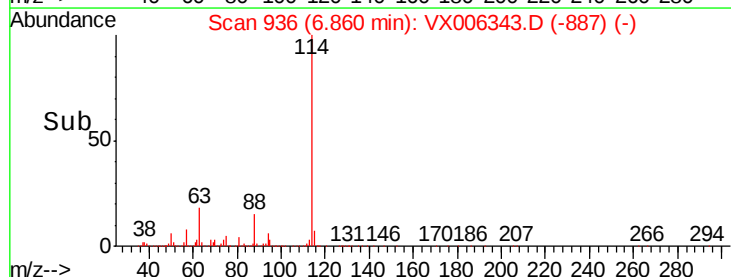
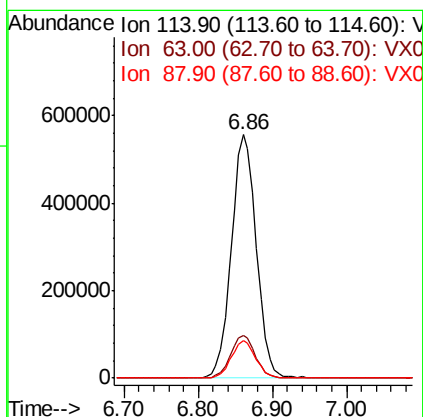
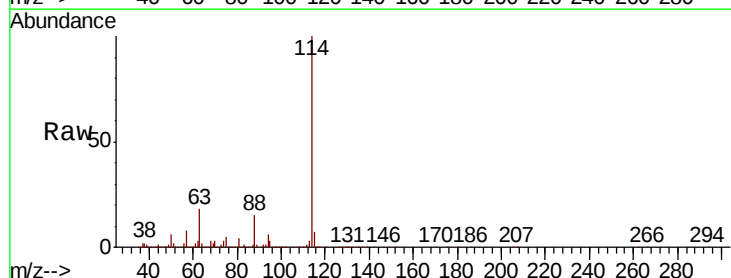
Tgt Ion: 114 Resp: 1302397

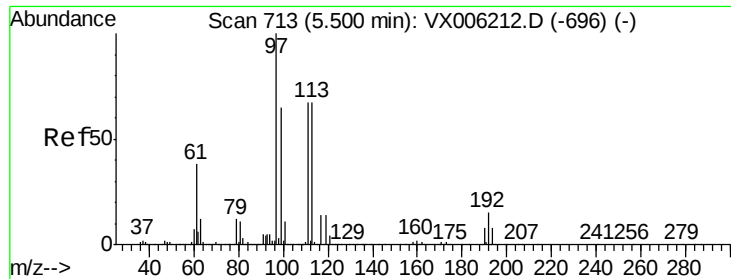
Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.6

88 15.5 0.0 29.0

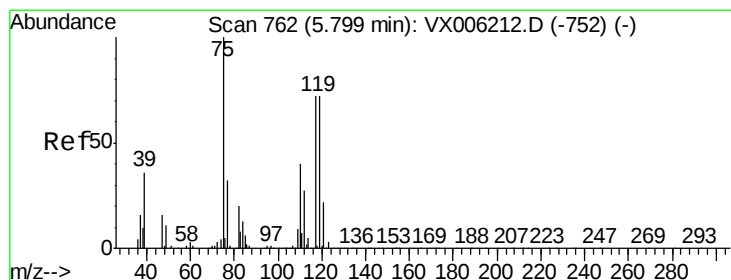
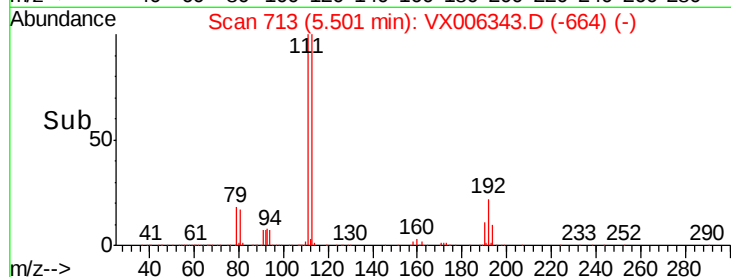
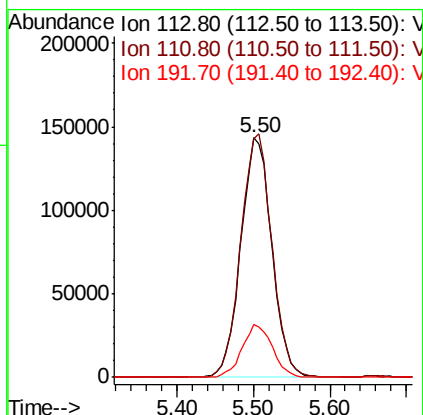
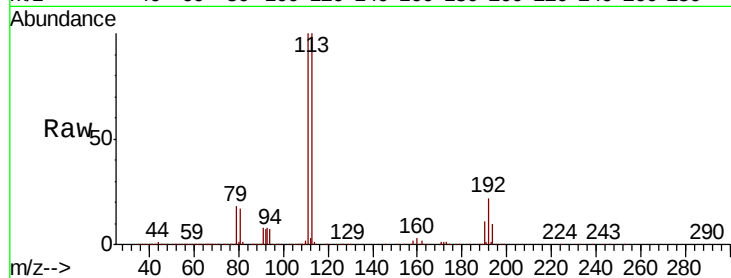




#35
 Dibromofluoromethane
 Concen: 47.936 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX006343.D
 Acq: 07 Dec 2018 13:25

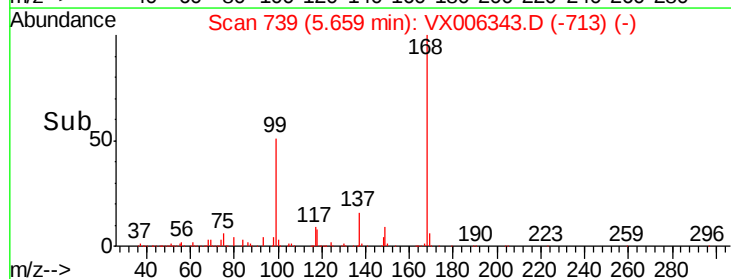
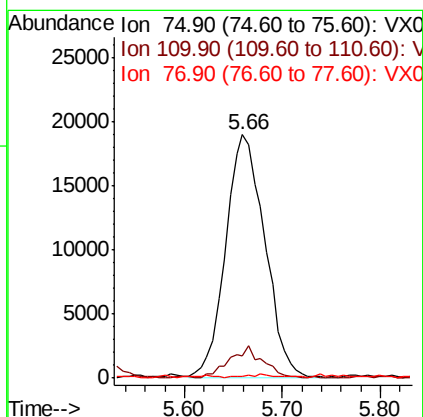
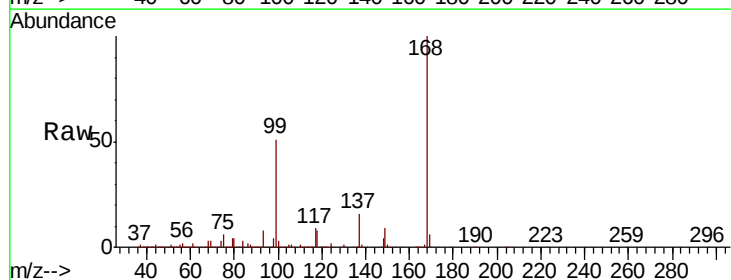
Instrument :
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 BPS1-TT-MW305D-20181205

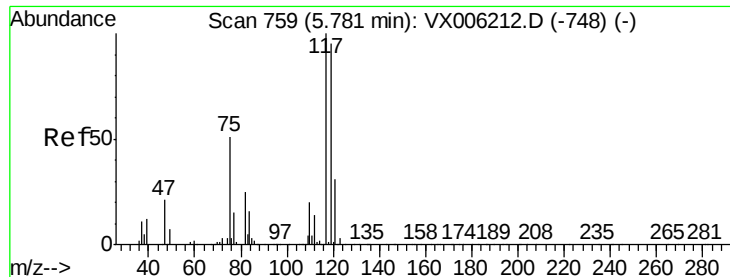
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.1	121.7
192	21.6	18.2	27.2



#36
 1,1-Dichloropropene
 Concen: 4.828 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX006343.D
 Acq: 07 Dec 2018 13:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.2	20.4	61.3#
77	0.8	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.994 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006343.D

Acq: 07 Dec 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305D-20181205

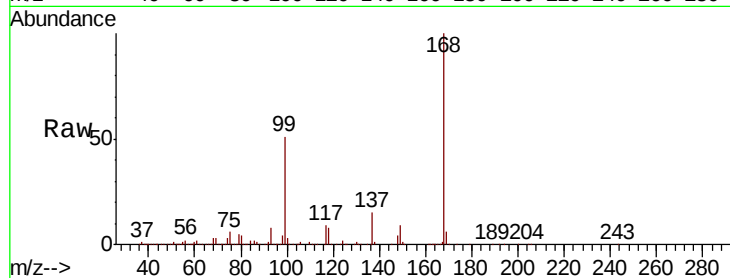
Tot Ion:117 Resp: 77334

Ion Ratio Lower Upper

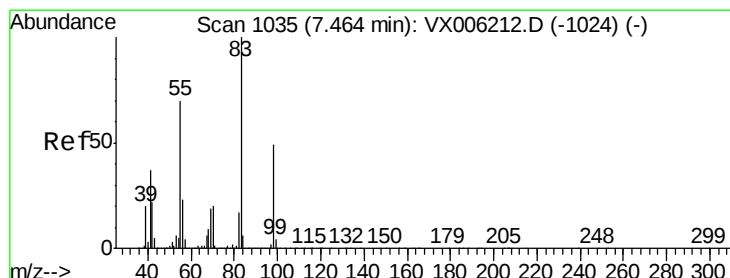
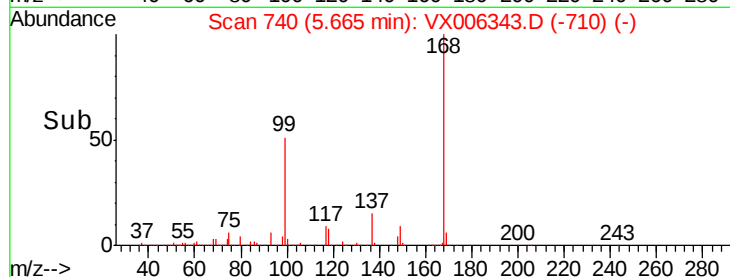
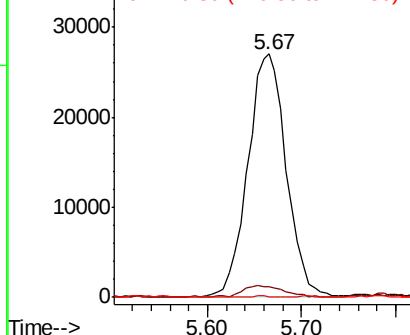
117 100

119 4.5 75.8 113.8#

121 0.3 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

Methylcyclohexane

Concen: 4.370 ug/l

RT: 7.22 min Scan# 995

Delta R.T. -0.24 min

Lab File: VX006343.D

Acq: 07 Dec 2018 13:25

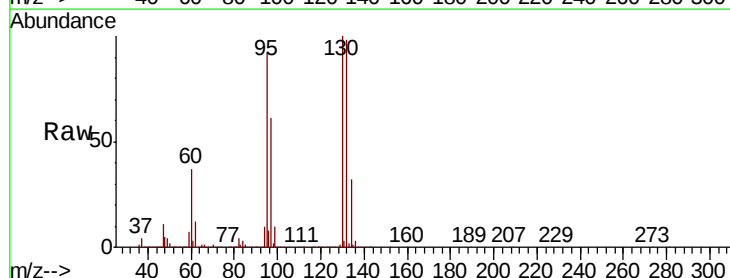
Tgt Ion: 83 Resp: 62217

Ion Ratio Lower Upper

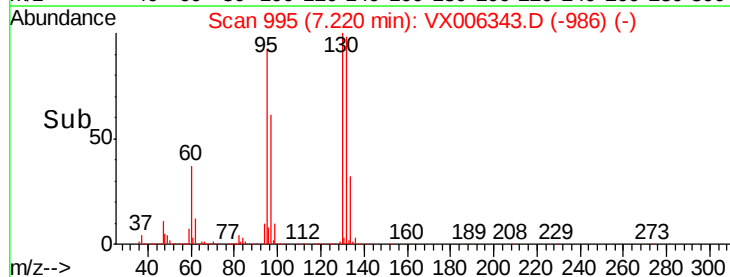
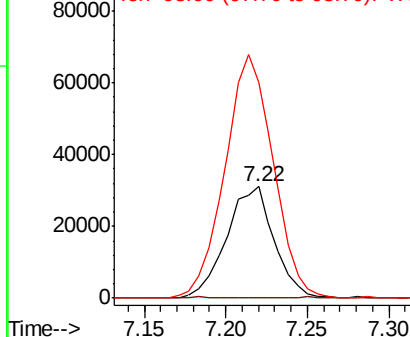
83 100

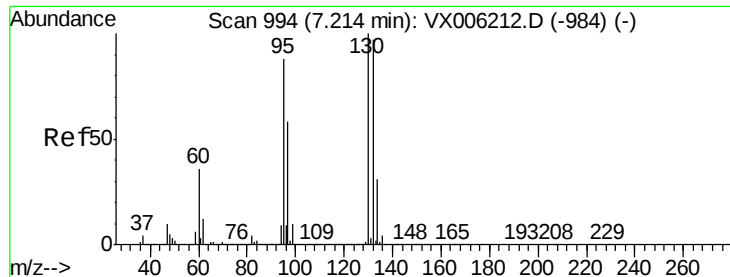
55 0.3 56.4 84.6#

98 193.1 39.0 58.6#



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#44

Trichloroethene

Concen: 581.589 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006343.D

Acq: 07 Dec 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

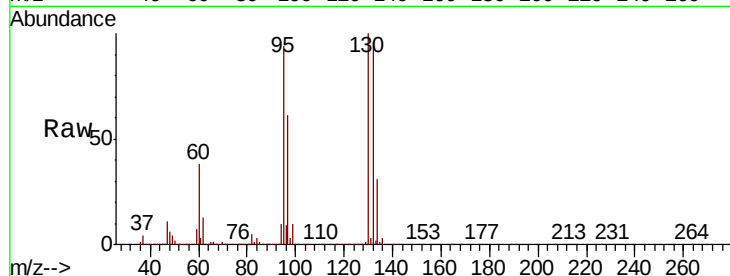
BPS1-TT-MW305D-20181205

Tot Ion:130 Resp: 5787561

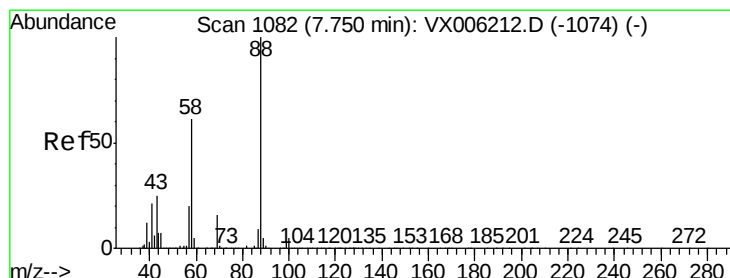
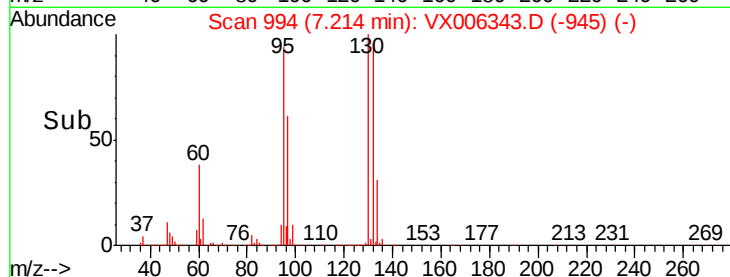
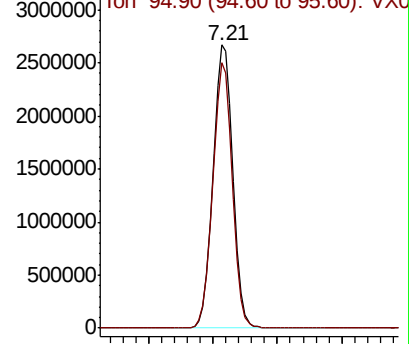
Ion Ratio Lower Upper

130 100

95 93.8 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V



#49

1,4-Dioxane

Concen: 4.032 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006343.D

Acq: 07 Dec 2018 13:25

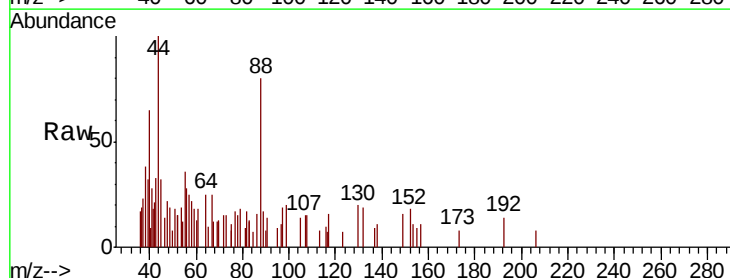
Tgt Ion: 88 Resp: 990

Ion Ratio Lower Upper

88 100

43 0.0 23.2 34.8#

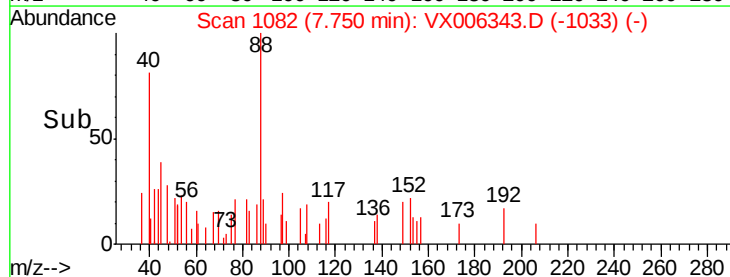
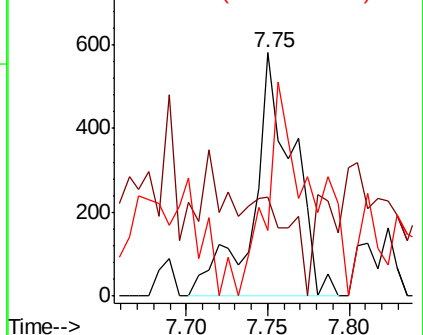
58 95.1 51.4 77.0#

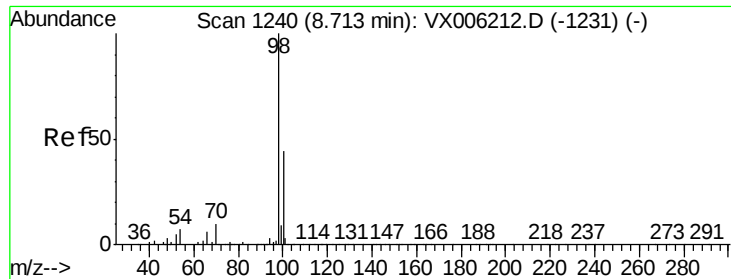


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.718 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006343.D

Acq: 07 Dec 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

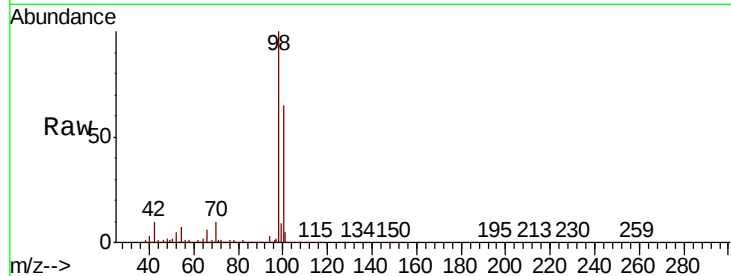
BPS1-TT-MW305D-20181205

Tot Ion: 98 Resp: 1494302

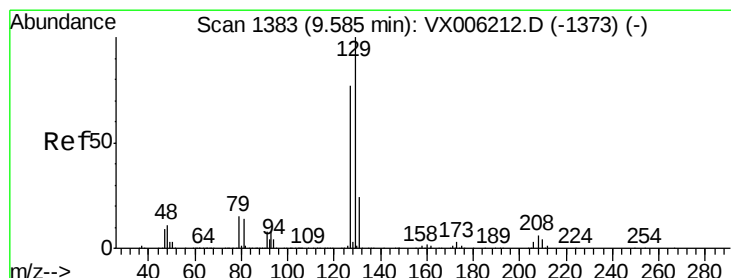
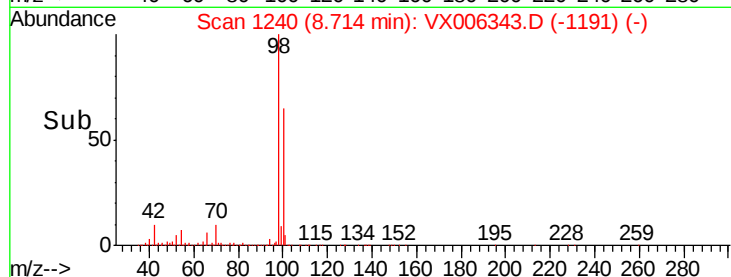
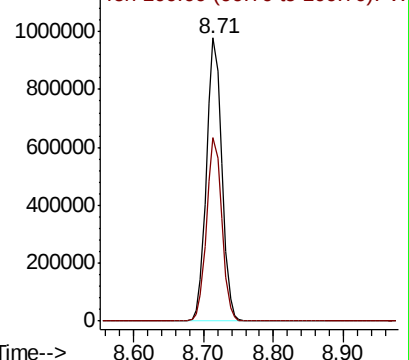
Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX006343.D (-1191) (-)



#60

Dibromochloromethane

Concen: 0.831 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.25 min

Lab File: VX006343.D

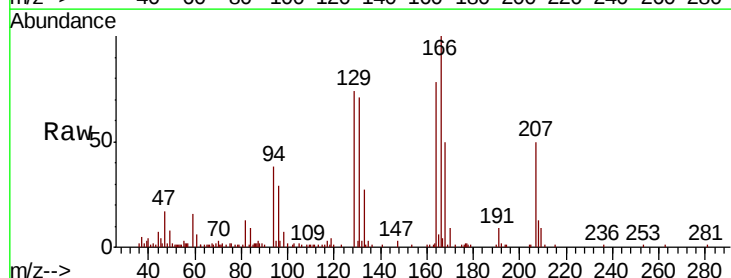
Acq: 07 Dec 2018 13:25

Tgt Ion: 129 Resp: 8995

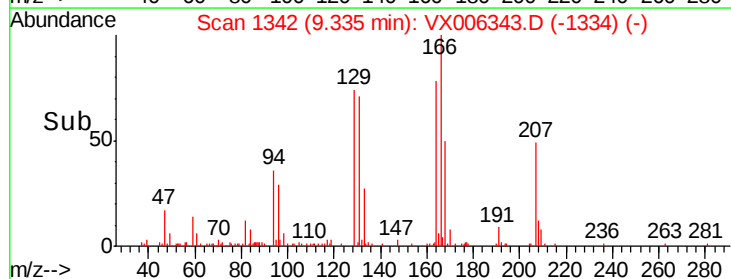
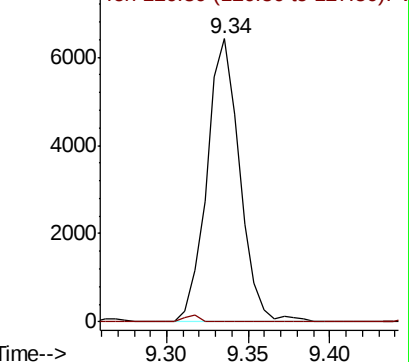
Ion Ratio Lower Upper

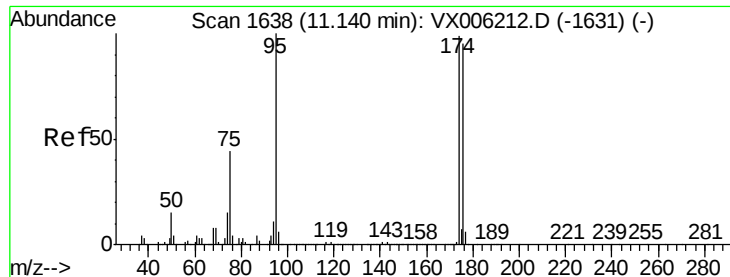
129 100

127 1.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): VX006343.D (-1334) (-)





#62

4-Bromofluorobenzene

Concen: 47.827 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006343.D

Acq: 07 Dec 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305D-20181205

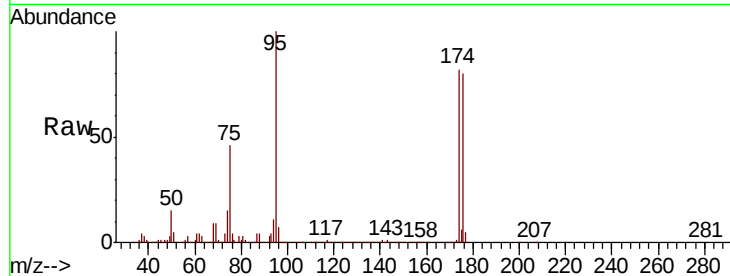
Tot Ion: 95 Resp: 552799

Ion Ratio Lower Upper

95 100

174 88.9 0.0 187.0

176 86.6 0.0 181.8



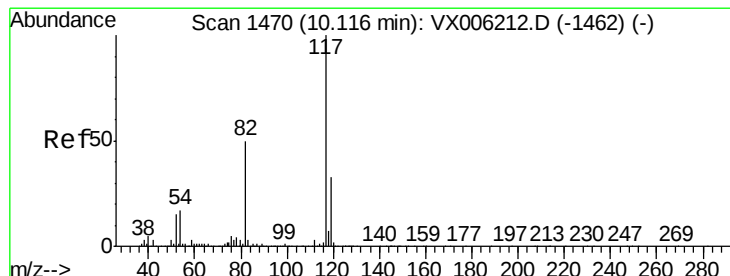
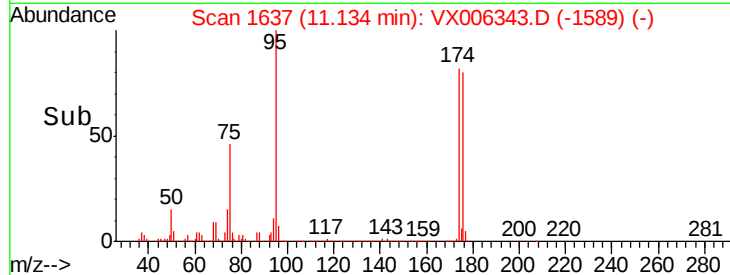
Abundance Ion 94.90 (94.60 to 95.60): VX006212.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX006212.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX006212.D (-1631) (-)

11.13

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VX006343.D

Acq: 07 Dec 2018 13:25

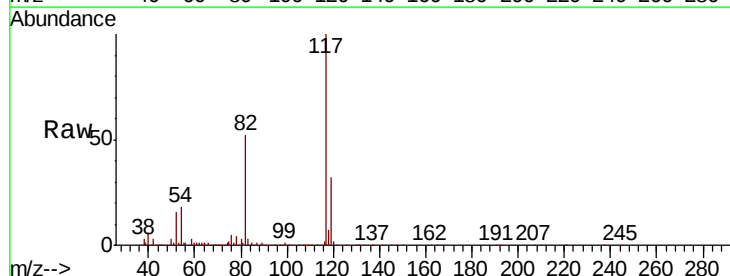
Tgt Ion: 117 Resp: 1169678

Ion Ratio Lower Upper

117 100

82 51.6 39.6 59.4

119 31.7 26.3 39.5



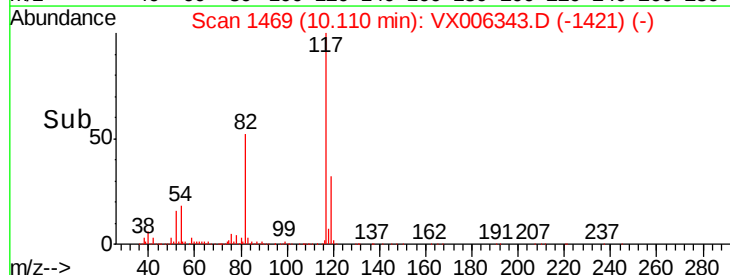
Abundance Ion 116.90 (116.60 to 117.60): VX006212.D (-1462) (-)

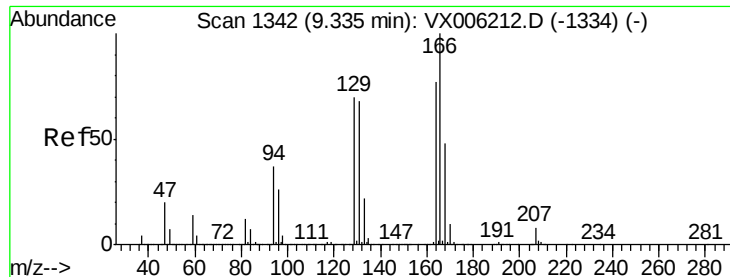
Ion 82.00 (81.70 to 82.70): VX006212.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006212.D (-1462) (-)

10.11

Time-->

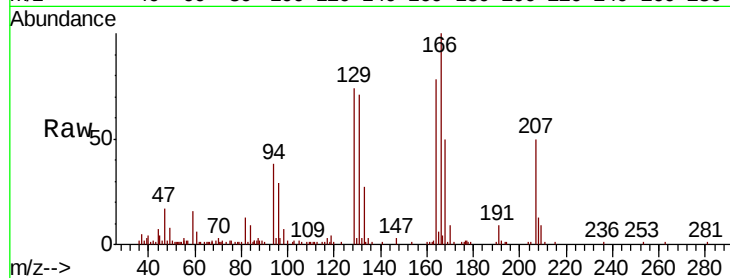




#64
Tetrachloroethene
Concen: 1.183 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006343.D
Acq: 07 Dec 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW305D-20181205

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.1	104.2	156.2
129	95.0	72.6	108.8
131	90.4	70.3	105.5



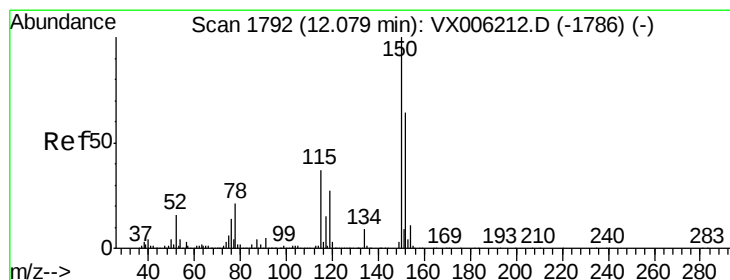
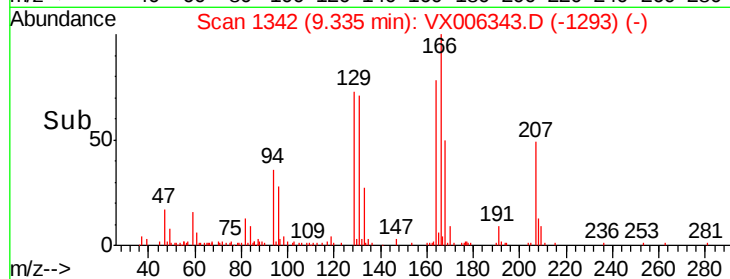
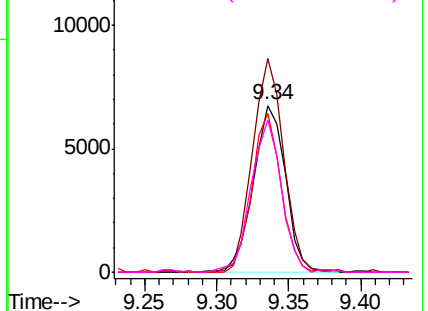
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

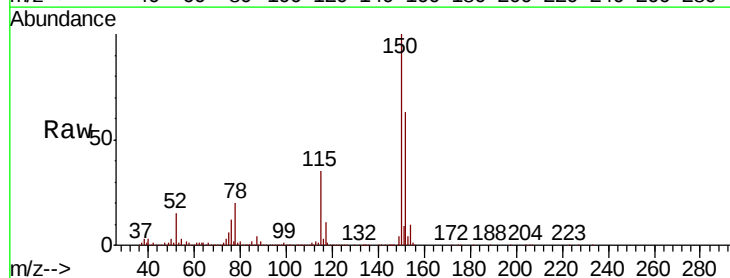
Ion 128.80 (128.50 to 129.50): V

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: VX006343.D
Acq: 07 Dec 2018 13:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	39.0	116.9
150	157.6	0.0	345.8

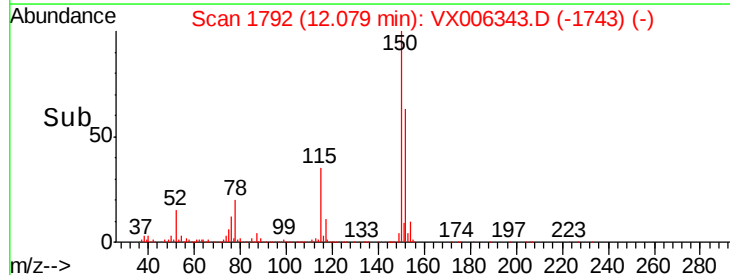
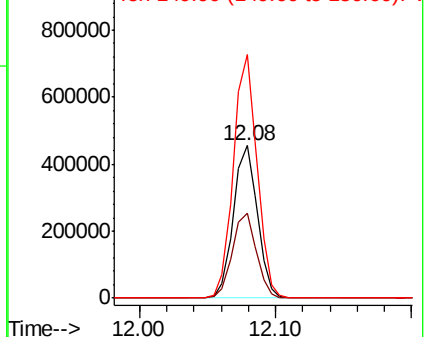


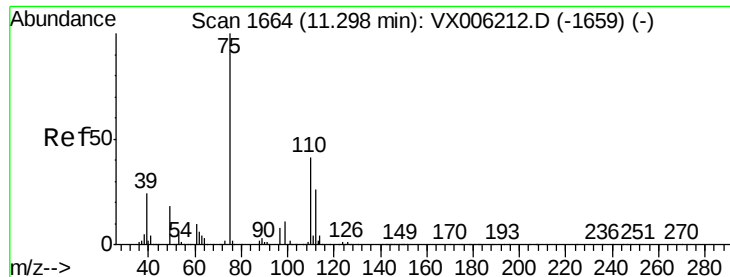
Abundance

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: 23.300 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006343.D

Acq: 07 Dec 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

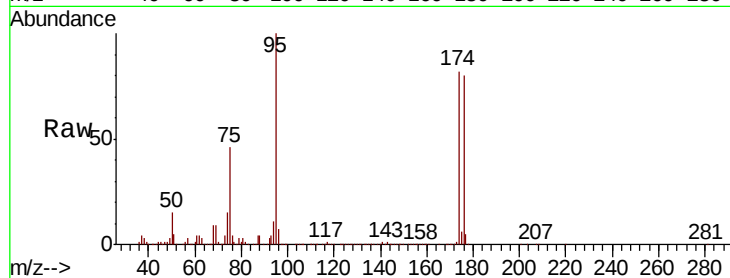
BPS1-TT-MW305D-20181205

Tot Ion: 75 Resp: 251102

Ion Ratio Lower Upper

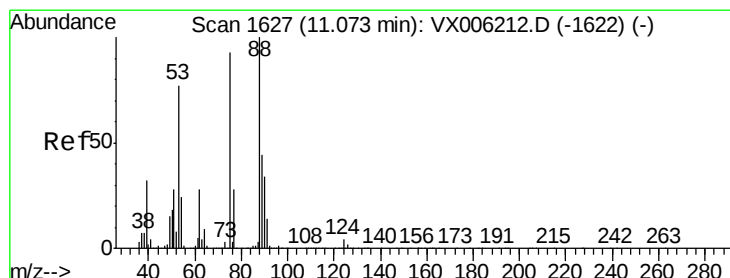
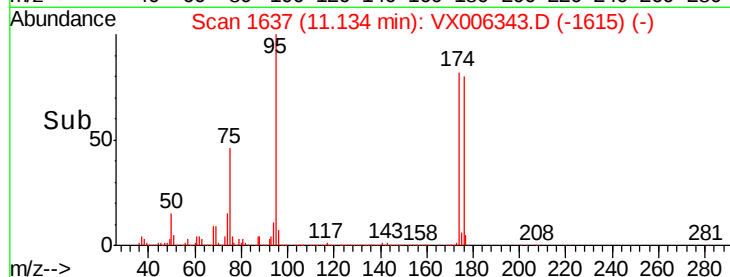
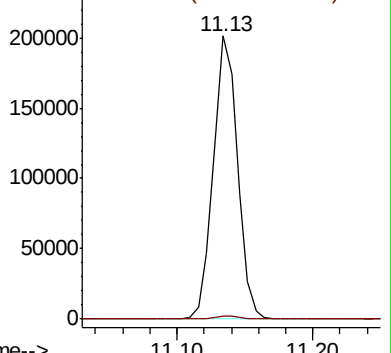
75 100

77 1.2 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: 54.679 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006343.D

Acq: 07 Dec 2018 13:25

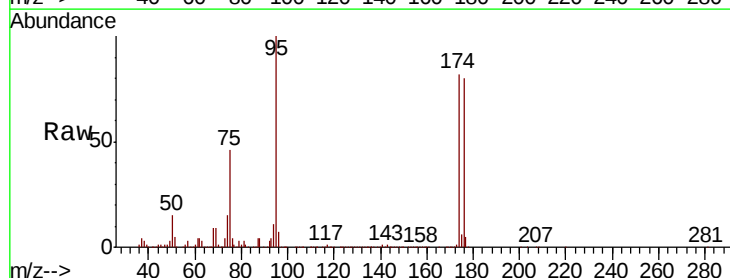
Tgt Ion: 75 Resp: 251102

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 44.2 66.4#



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

