

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032019\
 Data File : VX008242.D
 Acq On : 20 Mar 2019 15:15
 Operator : JC/SP
 Sample : K1882-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW305S-20190312

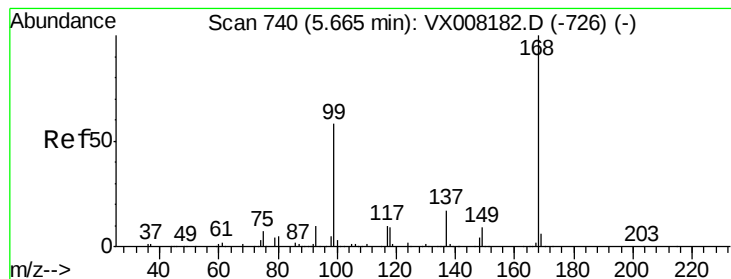
Quant Time: Mar 22 05:31:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	334124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	546073	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	461762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	184843	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	234501	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	
35) Dibromofluoromethane	5.50	113	172274	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	
50) Toluene-d8	8.71	98	669165	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
62) 4-Bromofluorobenzene	11.13	95	213552	44.75	ug/l	0.00
Spiked Amount			Recovery	=	89.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	3044	2.826	ug/l	95
13) Acrolein	2.29	56	118	Below Cal	#	13
16) Acetone	2.45	43	6104	2.139	ug/l	97
17) Carbon Disulfide	2.57	76	943	0.746	ug/l #	79
25) 2-Butanone	4.70	43	939	0.223	ug/l #	49
31) Cyclohexane	5.67	56	7559	0.906	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	26939	4.237	ug/l #	50
38) Carbon Tetrachloride	5.67	117	32523	5.741	ug/l #	17
49) 1,4-Dioxane	7.74	88	83	0.734	ug/l #	22
53) t-1,3-Dichloropropene	9.05	75	213	1.449	ug/l #	43
56) Ethyl methacrylate	9.19	69	109	0.539	ug/l #	54
76) 1,2,3-Trichloropropane	11.13	75	111442	21.436	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	111442	54.512	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008242.D

Acq: 20 Mar 2019 15:15

Instrument :

MSVOA_X

ClientSampleId :

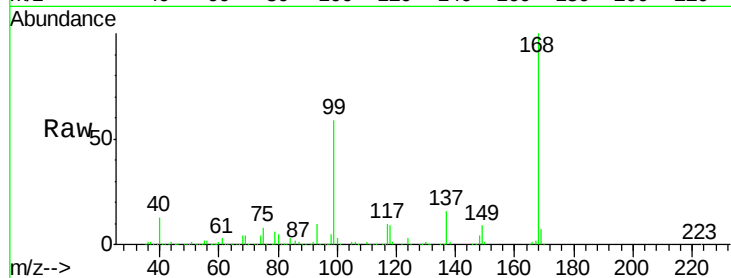
BPS1-TT-MW305S-20190312

Tot Ion:168 Resp: 334124

Ion Ratio Lower Upper

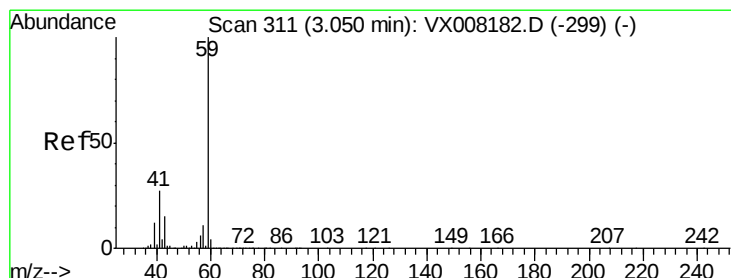
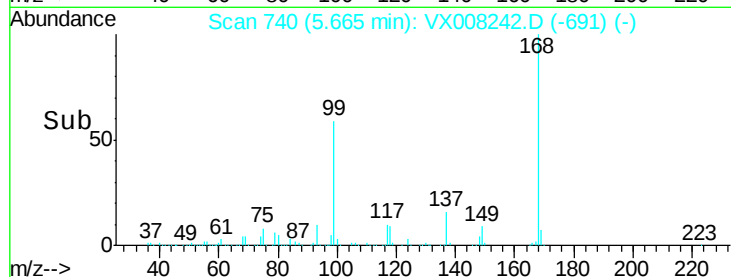
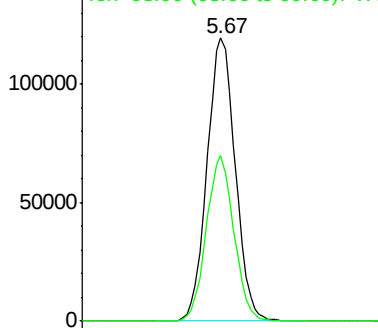
168 100

99 58.6 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 2.826 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX008242.D

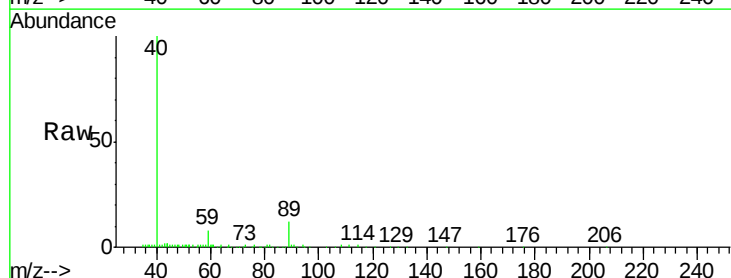
Acq: 20 Mar 2019 15:15

Tgt Ion: 59 Resp: 3044

Ion Ratio Lower Upper

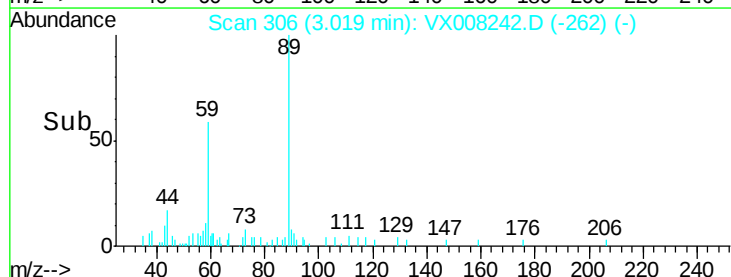
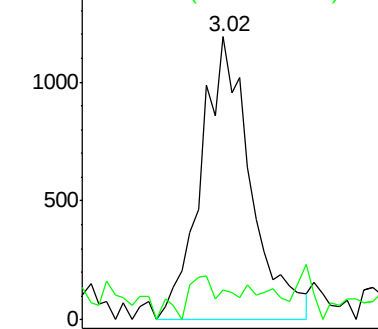
59 100

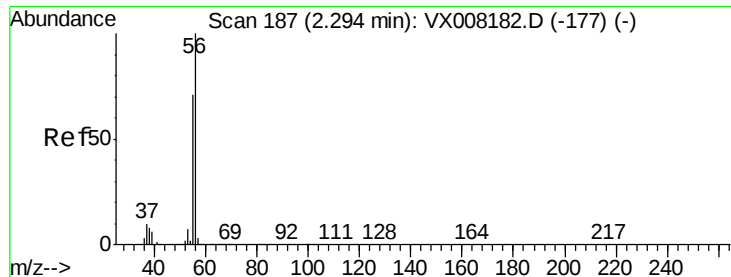
57 11.9 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX008242.D

Acq: 20 Mar 2019 15:15

Instrument :

MSVOA_X

ClientSampleId :

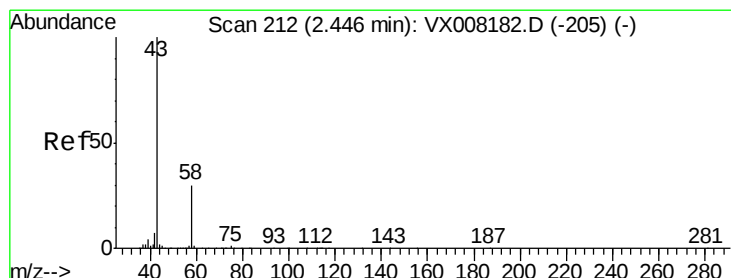
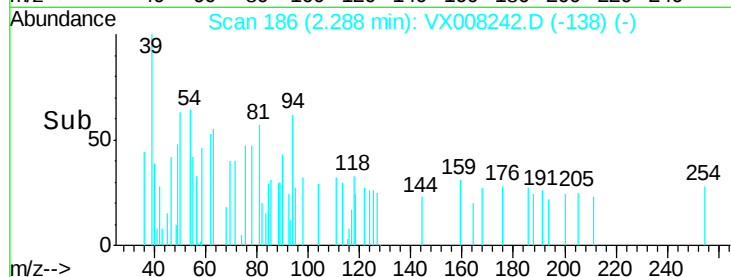
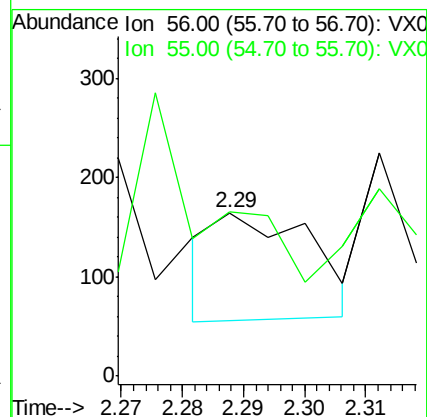
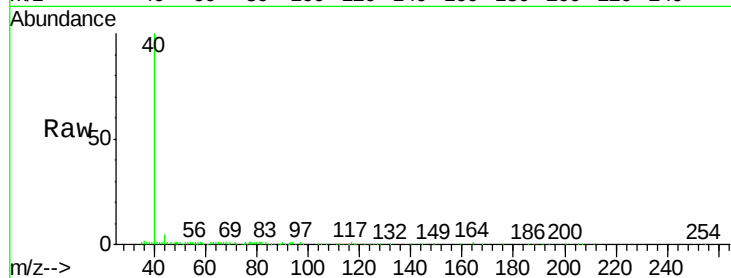
BPS1-TT-MW305S-20190312

Tot Ion: 56 Resp: 118

Ion Ratio Lower Upper

56 100

55 0.0 57.8 86.6#



#16

Acetone

Concen: 2.139 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008242.D

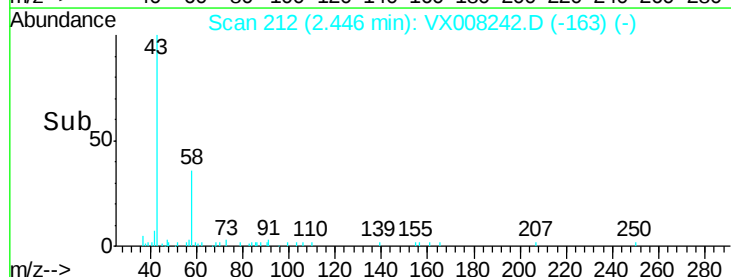
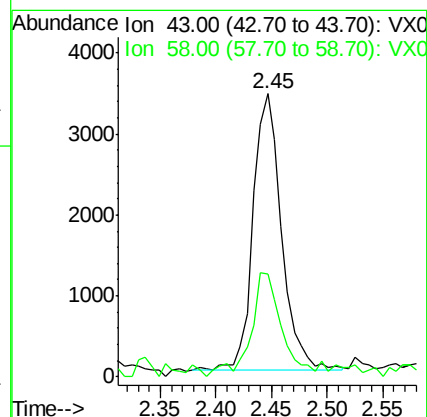
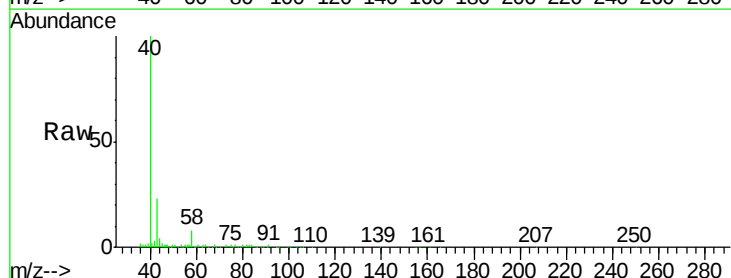
Acq: 20 Mar 2019 15:15

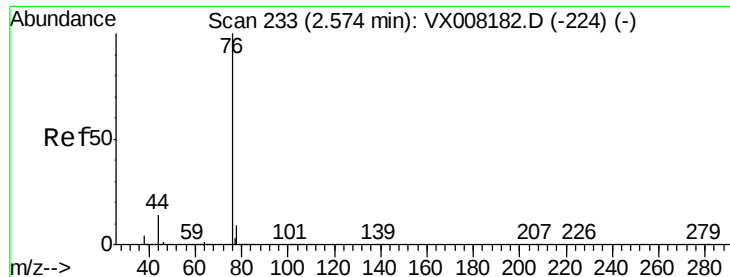
Tgt Ion: 43 Resp: 6104

Ion Ratio Lower Upper

43 100

58 33.6 25.5 38.3





#17

Carbon Disulfide

Concen: 0.746 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008242.D

Acq: 20 Mar 2019 15:15

Instrument :

MSVOA_X

ClientSampleId :

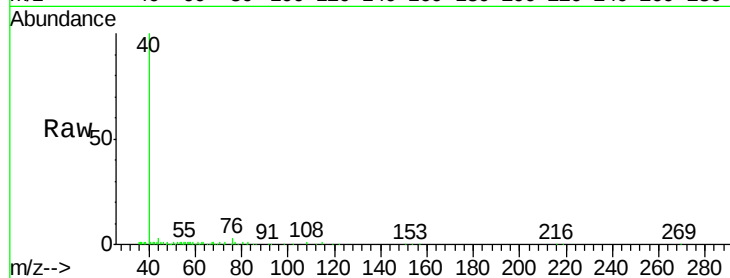
BPS1-TT-MW305S-20190312

Tot Ion: 76 Resp: 943

Ion Ratio Lower Upper

76 100

78 1.4 7.2 10.8#

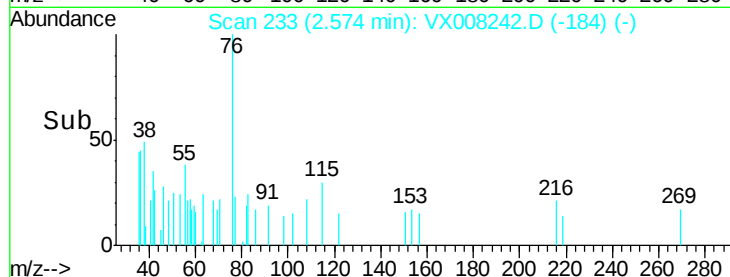


Abundance Ion 75.90 (75.60 to 76.60): VX0

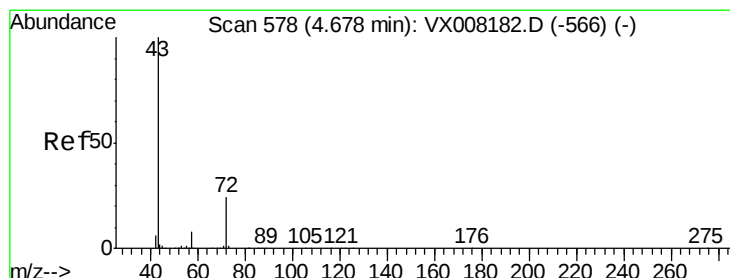
Ion 77.90 (77.60 to 78.60): VX0

2.57

Time-->



Time-->



#25

2-Butanone

Concen: 0.223 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.02 min

Lab File: VX008242.D

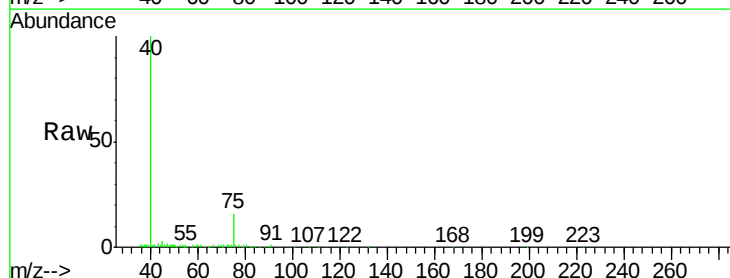
Acq: 20 Mar 2019 15:15

Tgt Ion: 43 Resp: 939

Ion Ratio Lower Upper

43 100

72 50.5 19.9 29.9#

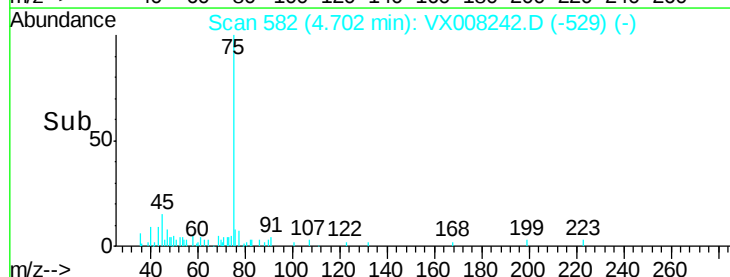


Abundance Ion 43.00 (42.70 to 43.70): VX0

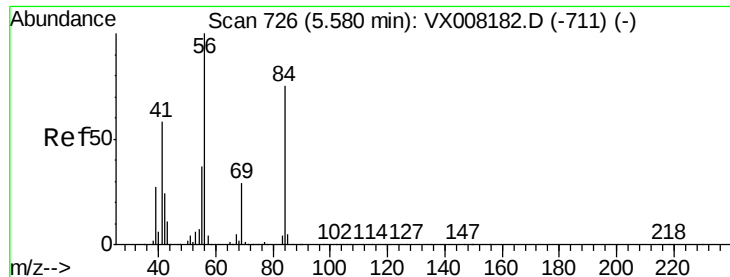
Ion 72.00 (71.70 to 72.70): VX0

4.70

Time-->



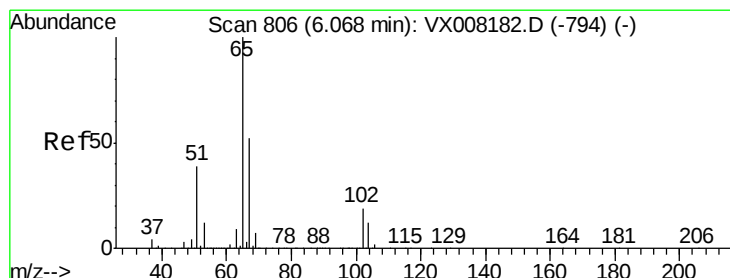
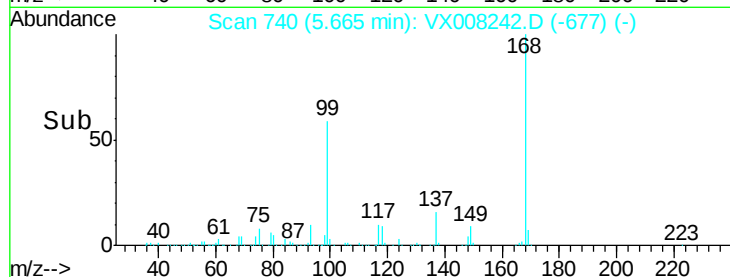
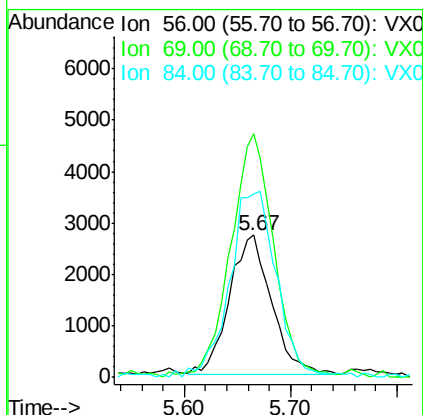
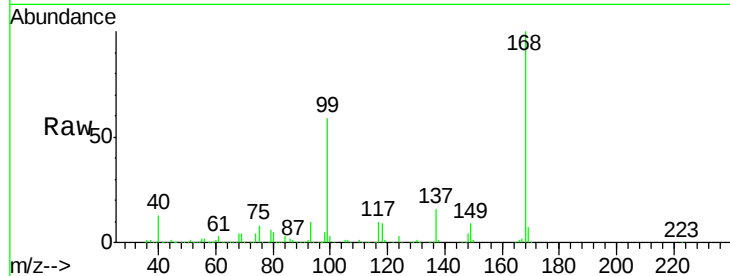
Time-->



#31
Cyclohexane
Concen: 0.906 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX008242.D
Acq: 20 Mar 2019 15:15

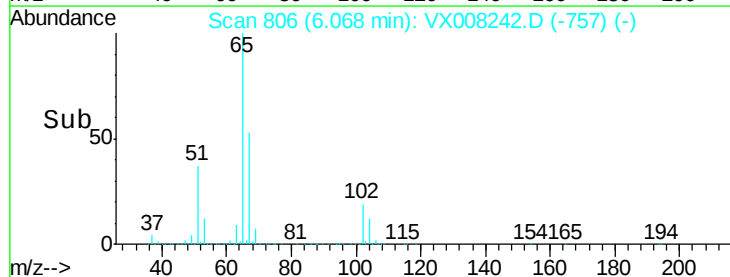
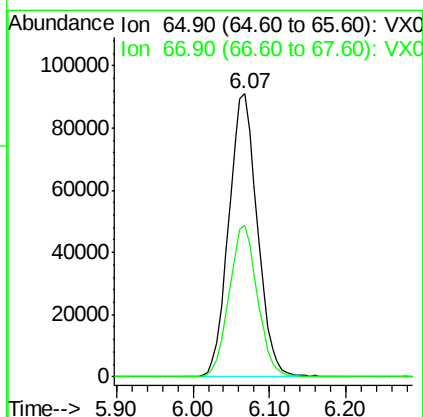
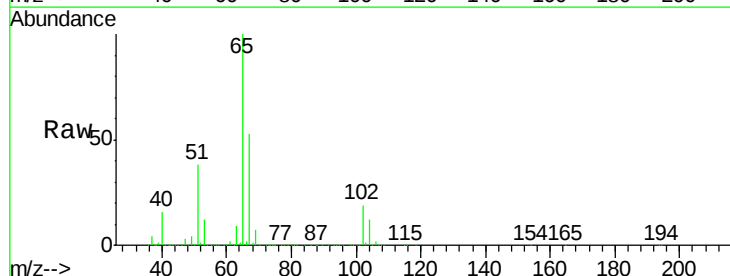
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW305S-20190312

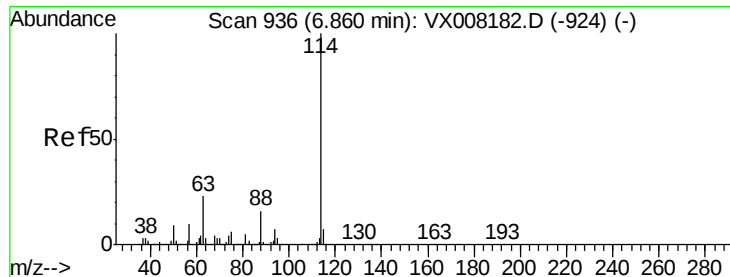
Tot Ion: 56 Resp: 7559
Ion Ratio Lower Upper
56 100
69 172.7 24.0 36.0#
84 128.4 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 46.600 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX008242.D
Acq: 20 Mar 2019 15:15

Tgt Ion: 65 Resp: 234501
Ion Ratio Lower Upper
65 100
67 53.1 0.0 110.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008242.D

Acq: 20 Mar 2019 15:15

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305S-20190312

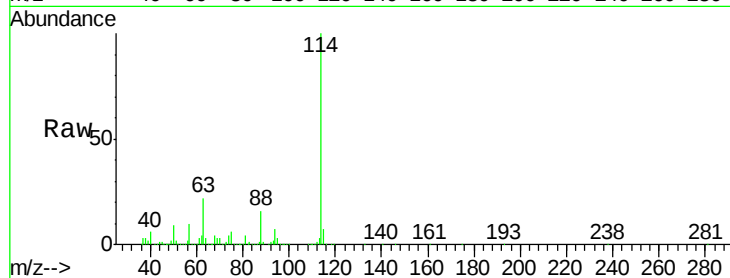
Tot Ion:114 Resp: 546073

Ion Ratio Lower Upper

114 100

63 22.4 0.0 39.8

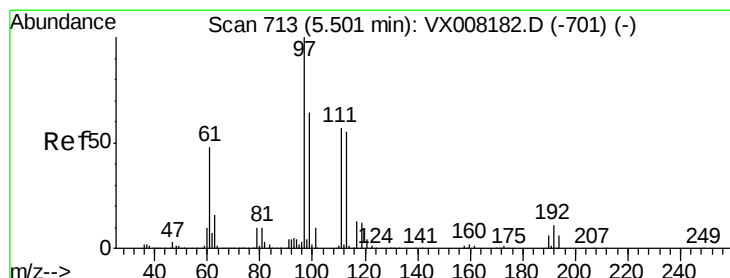
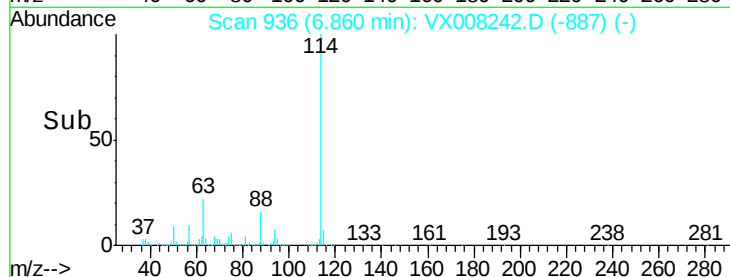
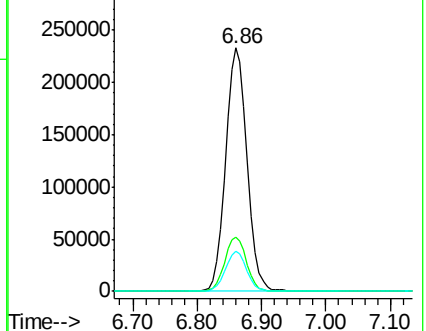
88 16.4 0.0 31.4



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: 47.126 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008242.D

Acq: 20 Mar 2019 15:15

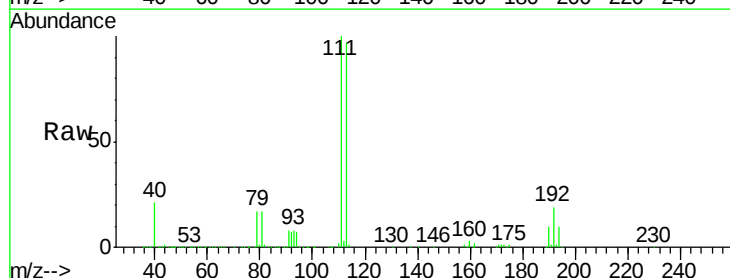
Tgt Ion:113 Resp: 172274

Ion Ratio Lower Upper

113 100

111 103.5 81.4 122.0

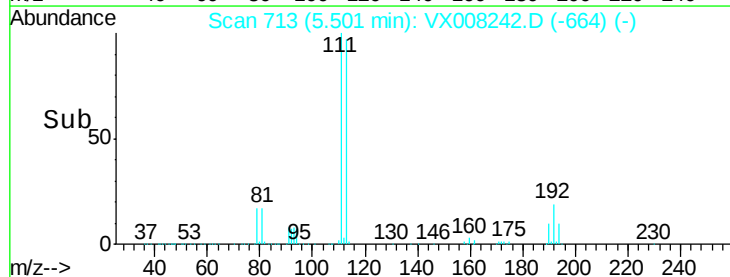
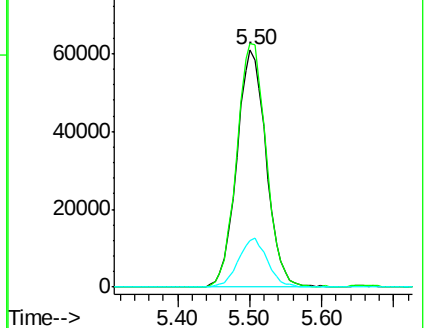
192 20.3 19.4 29.0

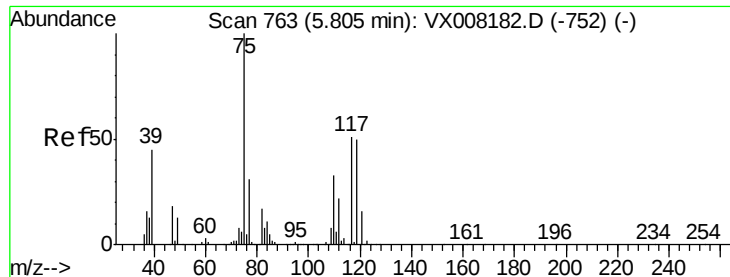


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

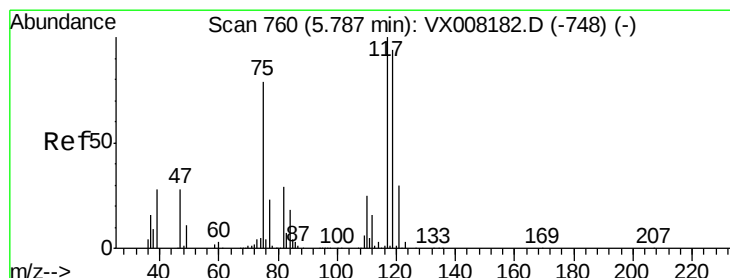
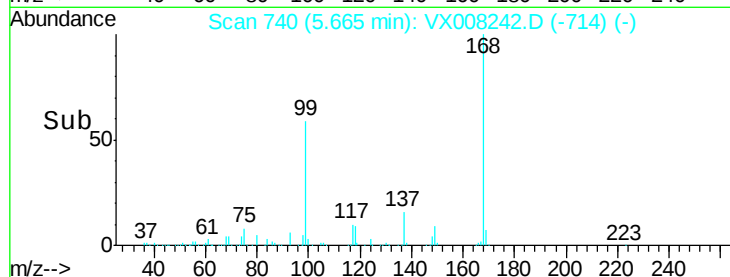
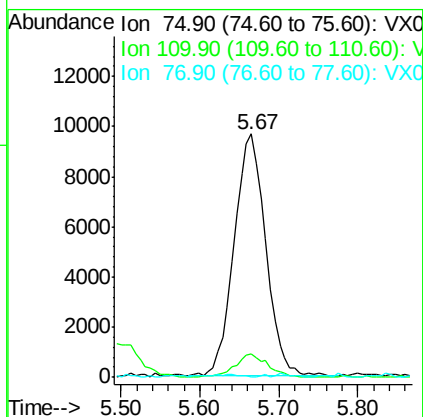
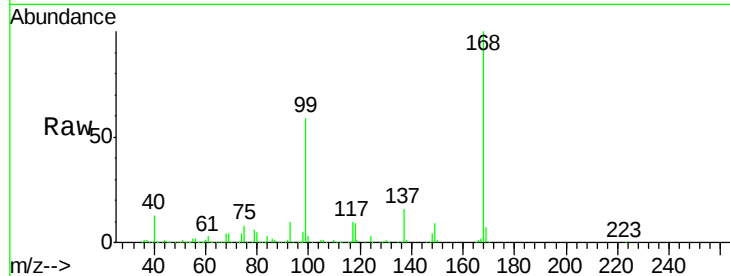




#36
 1,1-Dichloropropene
 Concen: 4.237 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.14 min
 Lab File: VX008242.D
 Acq: 20 Mar 2019 15:15

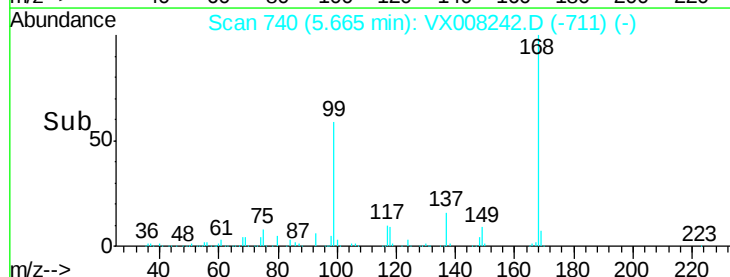
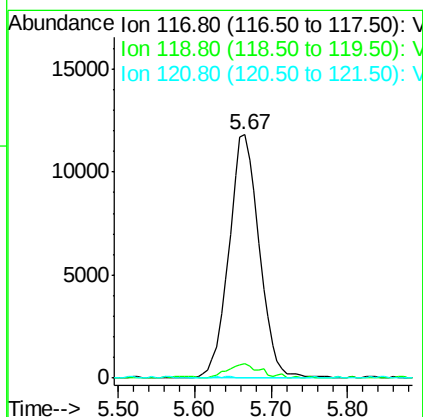
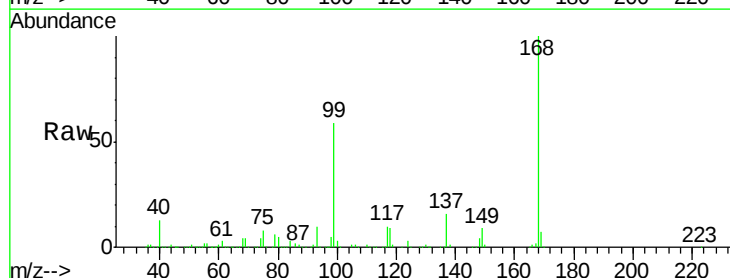
Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW305S-20190312

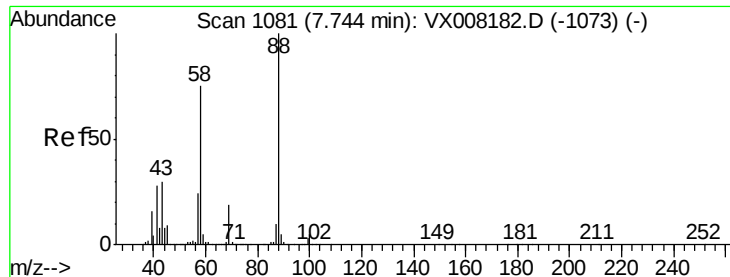
Tot Ion: 75 Resp: 26939
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.4 55.0#
 77 0.2 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.741 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008242.D
 Acq: 20 Mar 2019 15:15

Tgt Ion:117 Resp: 32523
 Ion Ratio Lower Upper
 117 100
 119 5.6 76.2 114.2#
 121 0.0 24.6 36.8#

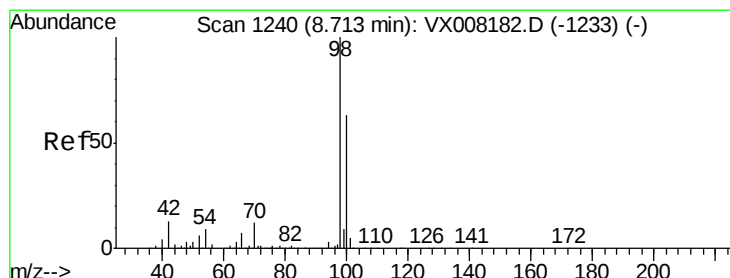
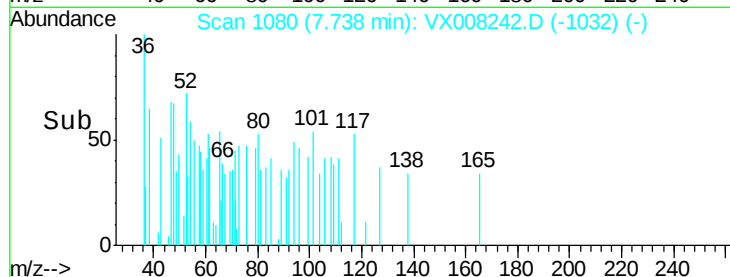
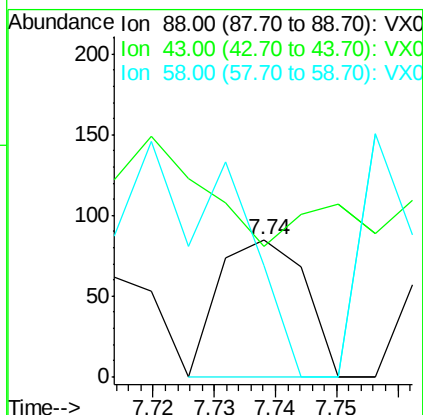
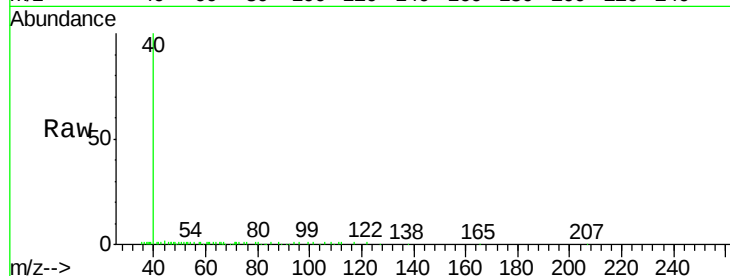




#49
1,4-Dioxane
Concen: 0.734 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VX008242.D
Acq: 20 Mar 2019 15:15

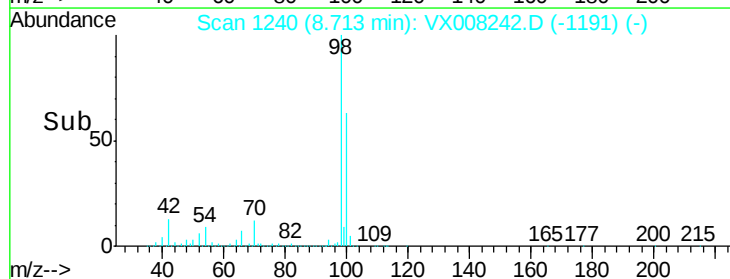
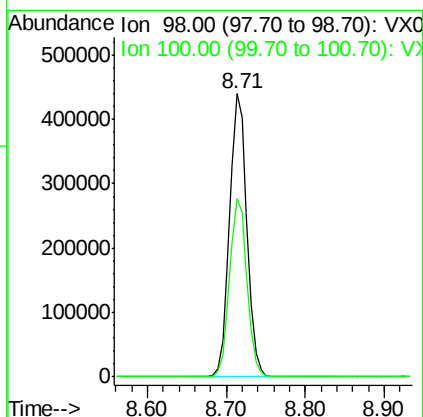
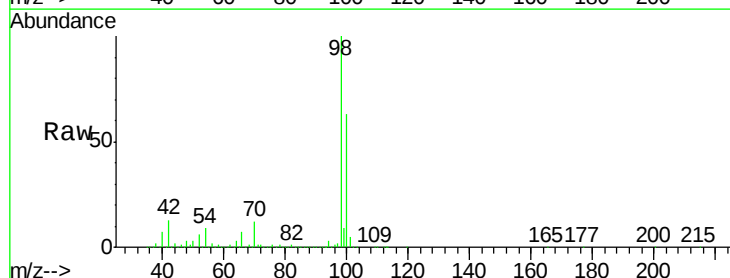
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW305S-20190312

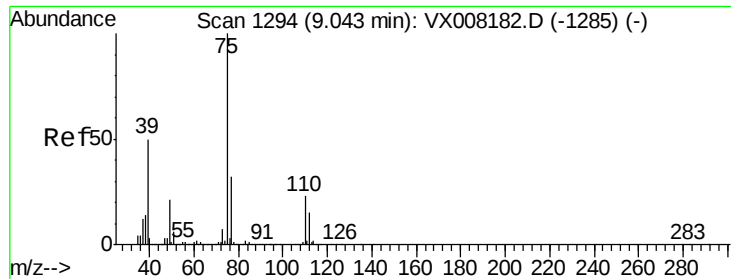
Tot Ion: 88 Resp: 83
Ion Ratio Lower Upper
88 100
43 0.0 25.1 37.7#
58 0.0 57.8 86.6#



#50
Toluene-d8
Concen: 48.282 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008242.D
Acq: 20 Mar 2019 15:15

Tgt Ion: 98 Resp: 669165
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5





#53

t-1,3-Dichloropropene

Concen: 1.449 ug/l

RT: 9.05 min Scan# 1296

Delta R.T. 0.01 min

Lab File: VX008242.D

Acq: 20 Mar 2019 15:15

Instrument :

MSVOA_X

ClientSampleId :

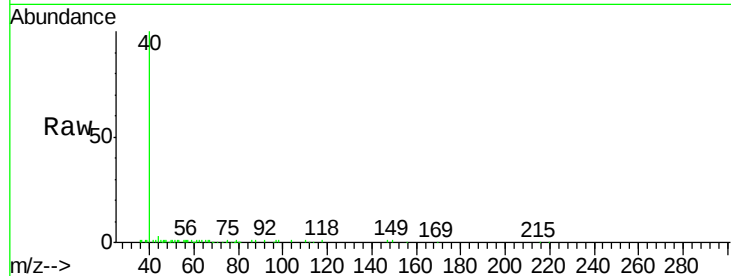
BPS1-TT-MW305S-20190312

Tot Ion: 75 Resp: 213

Ion Ratio Lower Upper

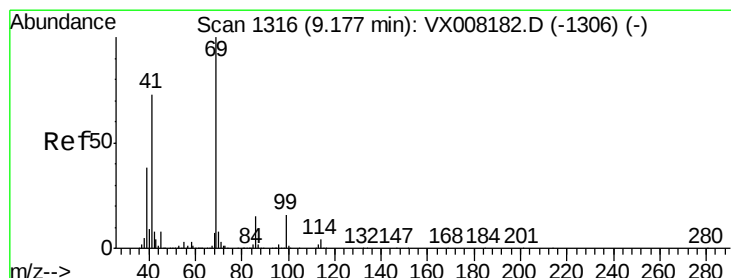
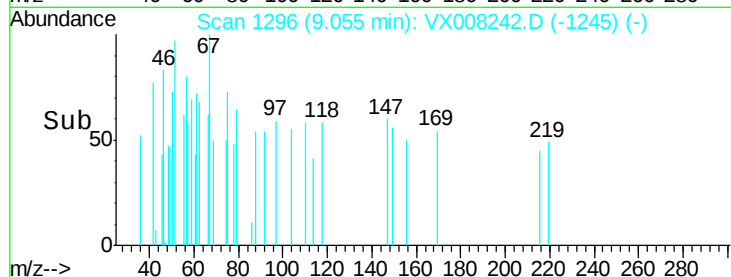
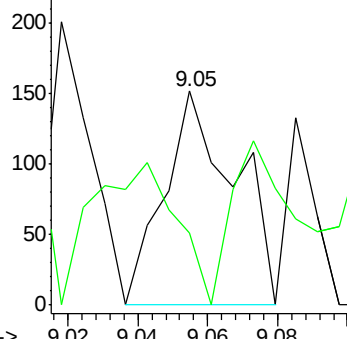
75 100

77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#56

Ethyl methacrylate

Concen: 0.539 ug/l

RT: 9.19 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VX008242.D

Acq: 20 Mar 2019 15:15

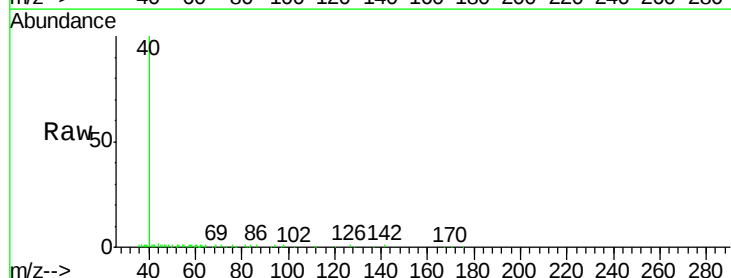
Tgt Ion: 69 Resp: 109

Ion Ratio Lower Upper

69 100

41 100.9 54.2 81.4#

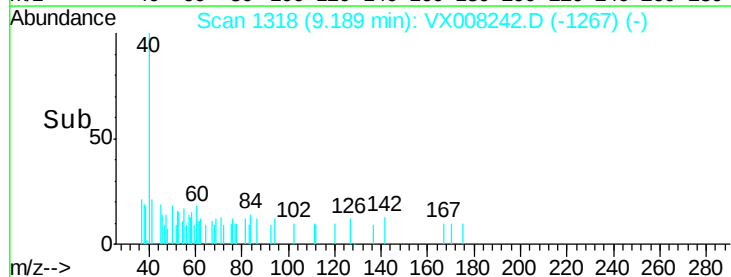
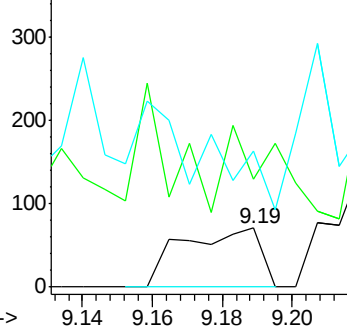
39 0.0 25.0 37.4#

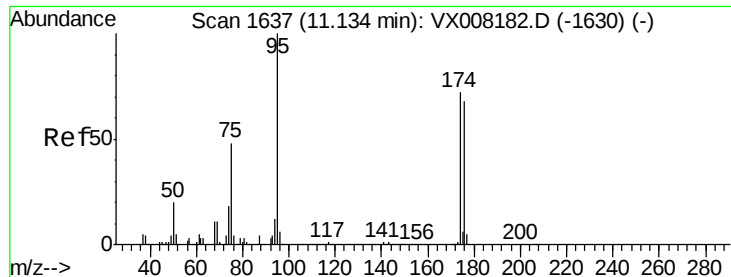


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#62

4-Bromofluorobenzene

Concen: 44.750 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008242.D

Acq: 20 Mar 2019 15:15

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305S-20190312

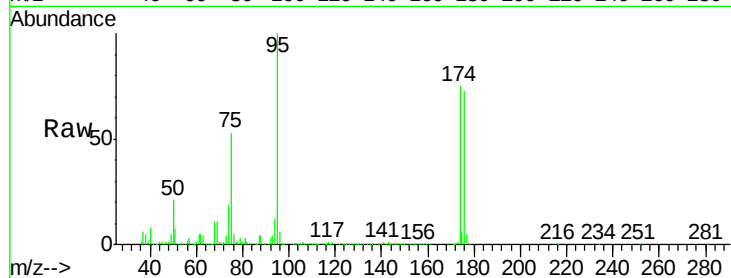
Tot Ion: 95 Resp: 213552

Ion Ratio Lower Upper

95 100

174 78.6 0.0 182.8

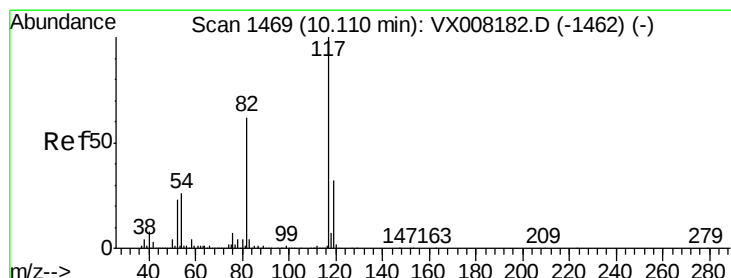
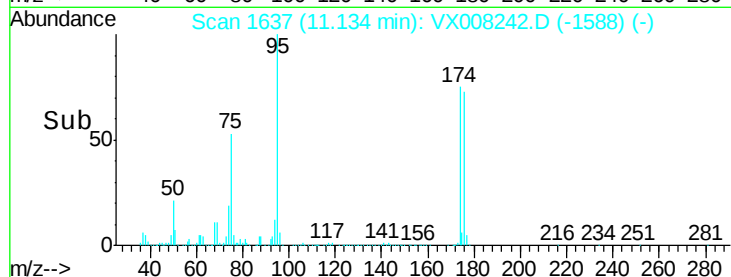
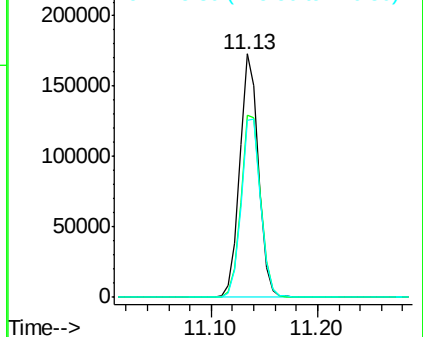
176 76.3 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008242.D

Acq: 20 Mar 2019 15:15

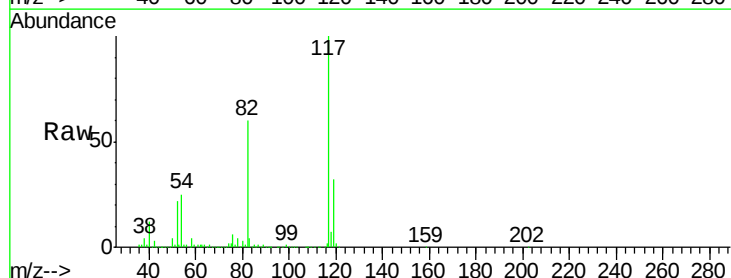
Tgt Ion: 117 Resp: 461762

Ion Ratio Lower Upper

117 100

82 60.3 44.3 66.5

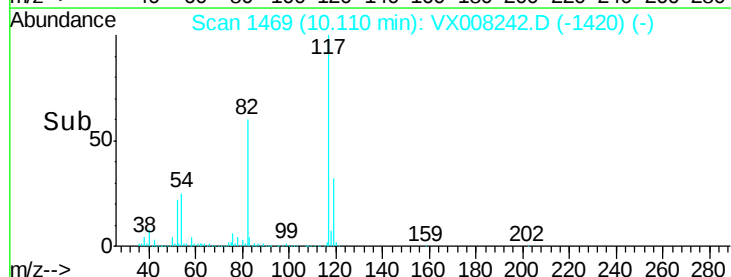
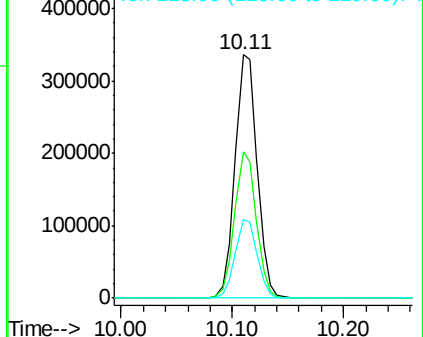
119 32.2 25.3 37.9

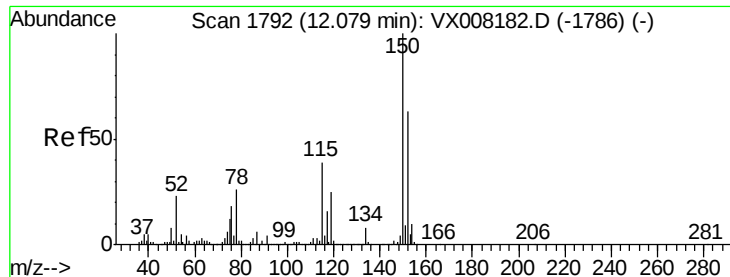


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008242.D

Acq: 20 Mar 2019 15:15

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305S-20190312

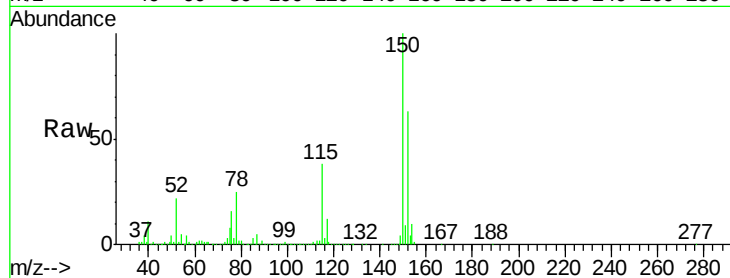
Tot Ion:152 Resp: 184843

Ion Ratio Lower Upper

152 100

115 60.2 38.6 115.7

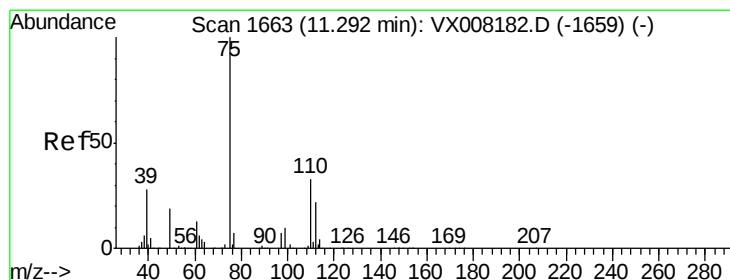
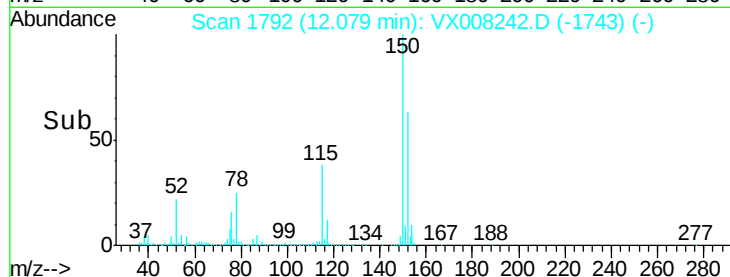
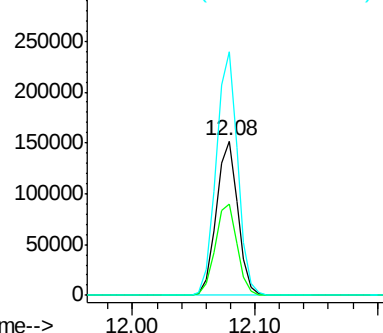
150 157.3 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.436 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008242.D

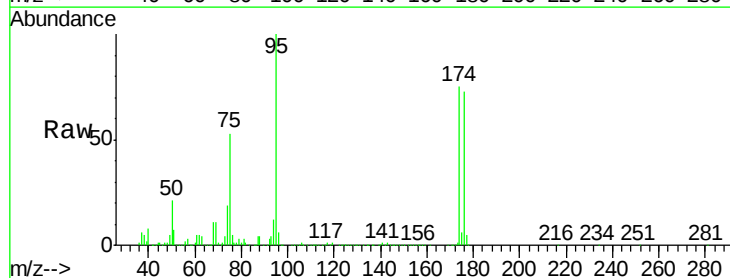
Acq: 20 Mar 2019 15:15

Tgt Ion: 75 Resp: 111442

Ion Ratio Lower Upper

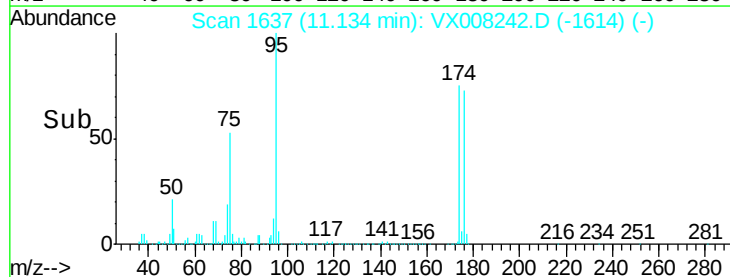
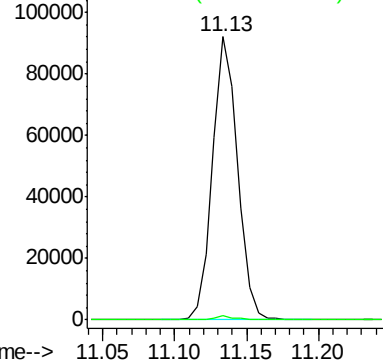
75 100

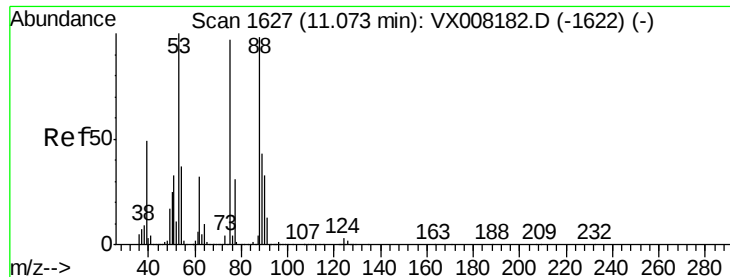
77 1.6 18.9 56.7#



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: 54.512 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008242.D

Acq: 20 Mar 2019 15:15

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305S-20190312

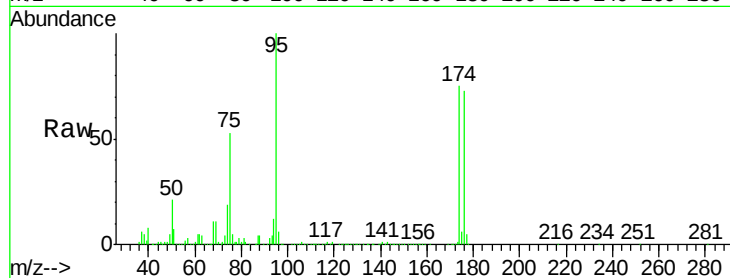
Tot Ion: 75 Resp: 111442

Ion Ratio Lower Upper

75 100

53 0.4 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

