

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032119\
 Data File : VX008292.D
 Acq On : 21 Mar 2019 15:48
 Operator : JC/SP
 Sample : K1963-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW307I-20190314

Quant Time: Mar 22 08:44:07 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	279013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	460997	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	390118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	157750	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	197406	46.98	ug/l	0.00
Spiked Amount			Recovery	=	93.96%	
35) Dibromofluoromethane	5.50	113	147498	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
50) Toluene-d8	8.71	98	561094	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
62) 4-Bromofluorobenzene	11.13	95	180510	44.81	ug/l	0.00
Spiked Amount			Recovery	=	89.62%	

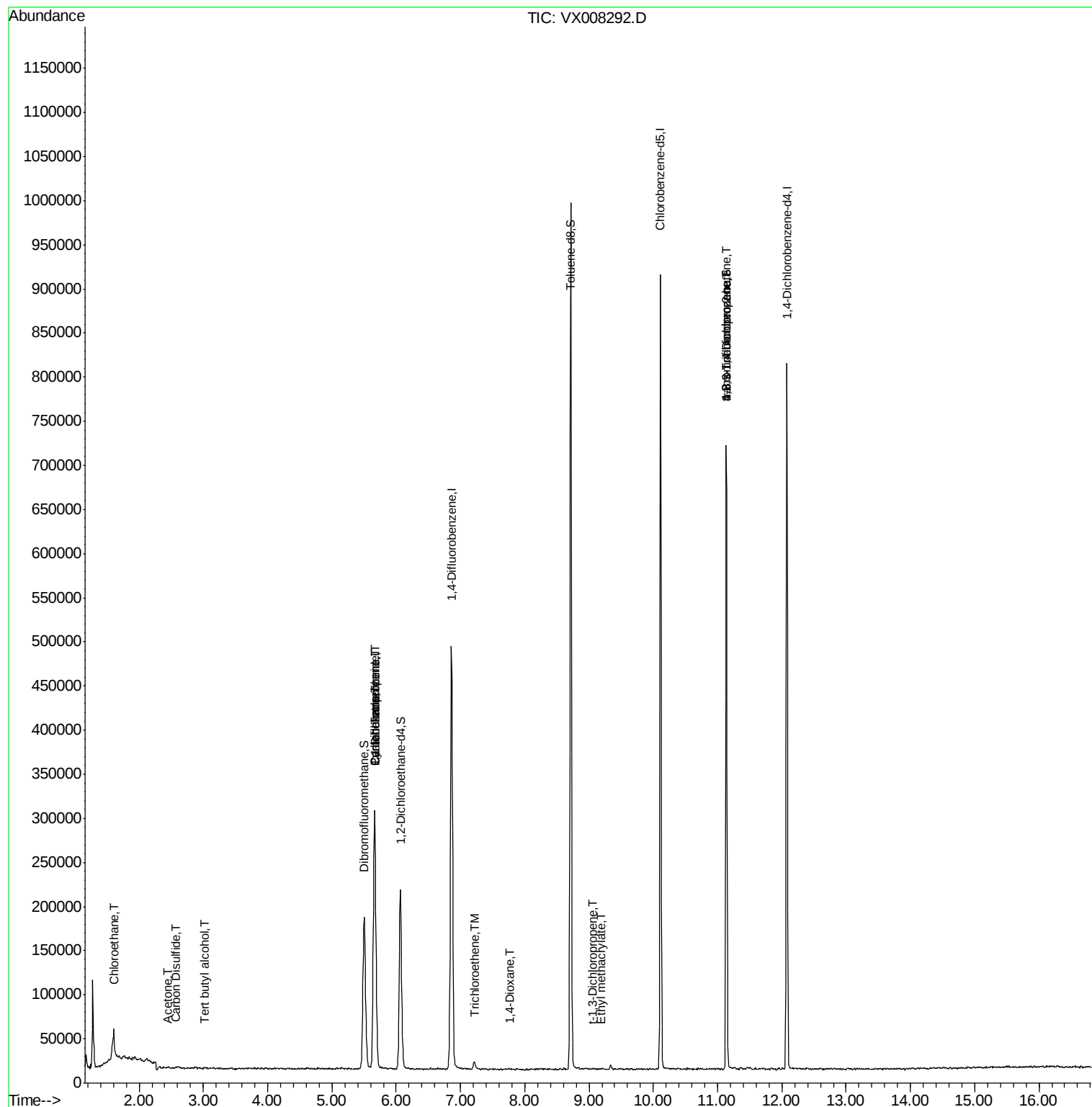
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.61	64	32593	12.283	ug/l #	53
11) Tert butyl alcohol	3.02	59	1193	1.326	ug/l #	88
13) Acrolein	2.29	56	189	Below Cal	#	13
16) Acetone	2.45	43	1853	0.777	ug/l #	69
17) Carbon Disulfide	2.57	76	1267	0.788	ug/l	95
31) Cyclohexane	5.67	56	6239	0.895	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	22919	4.270	ug/l #	50
38) Carbon Tetrachloride	5.66	117	27501	5.751	ug/l #	16
44) Trichloroethene	7.21	130	3641	0.937	ug/l	98
49) 1,4-Dioxane	7.76	88	253	2.651	ug/l #	32
53) t-1,3-Dichloropropene	9.05	75	245	1.459	ug/l #	60
56) Ethyl methacrylate	9.18	69	196	0.555	ug/l #	81
76) 1,2,3-Trichloropropane	11.13	75	95175	21.451	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	95175	54.550	ug/l #	12

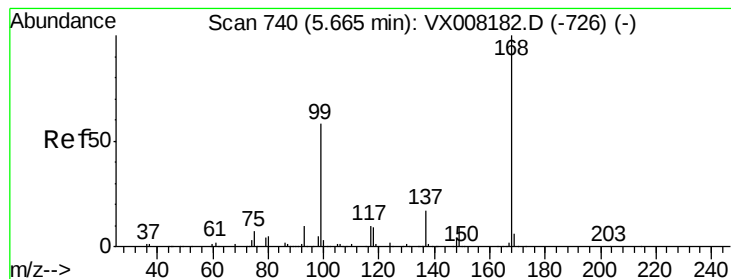
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008292.D

Acq: 21 Mar 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

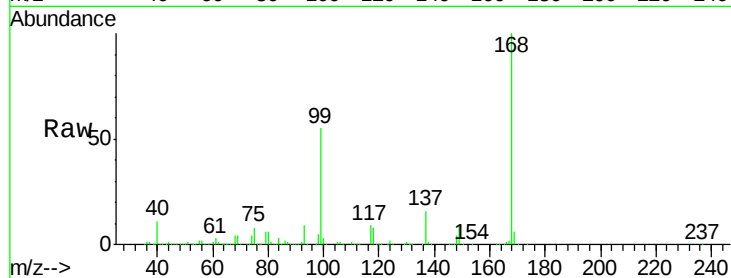
BPS1-TT-MW307I-20190314

Tot Ion:168 Resp: 279013

Ion Ratio Lower Upper

168 100

99 55.1 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

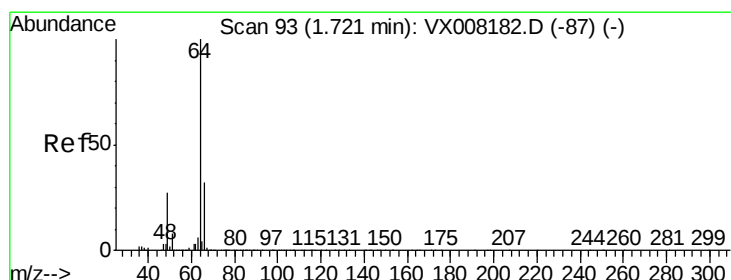
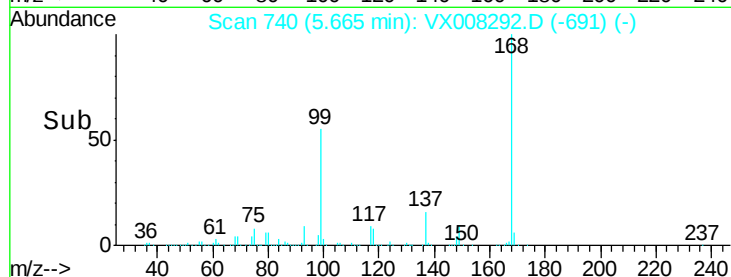
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#6

Chloroethane

Concen: 12.283 ug/l

RT: 1.61 min Scan# 75

Delta R.T. -0.11 min

Lab File: VX008292.D

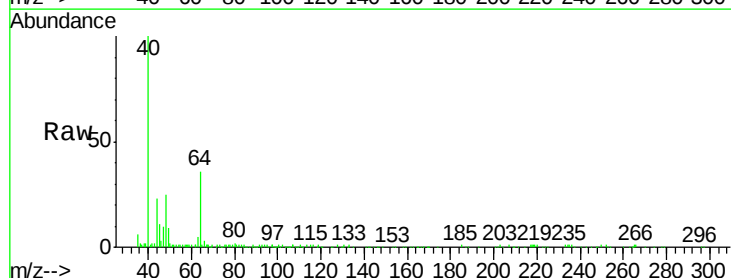
Acq: 21 Mar 2019 15:48

Tgt Ion: 64 Resp: 32593

Ion Ratio Lower Upper

64 100

66 5.4 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

8000

6000

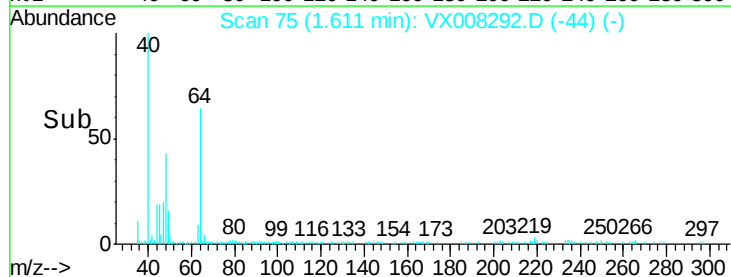
4000

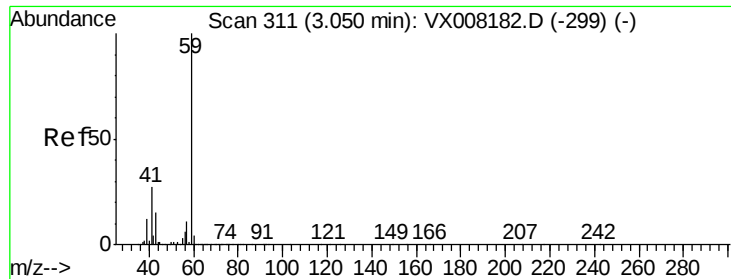
2000

0

1.40 1.50 1.60 1.70

Time-->



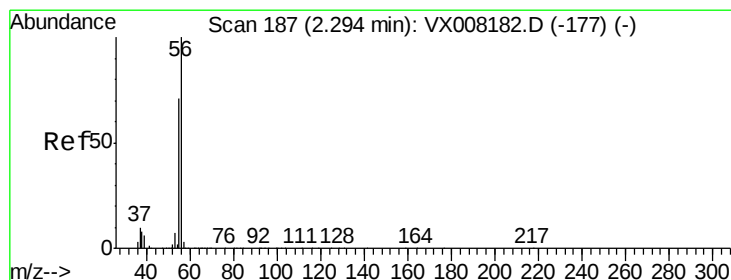
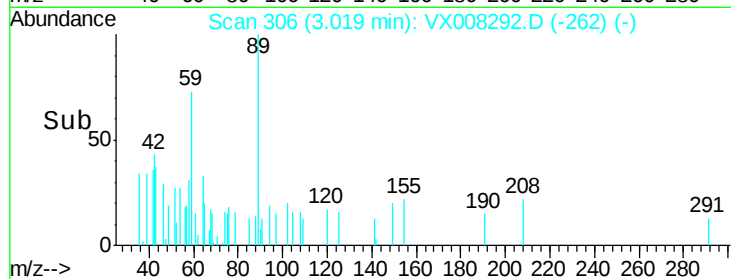
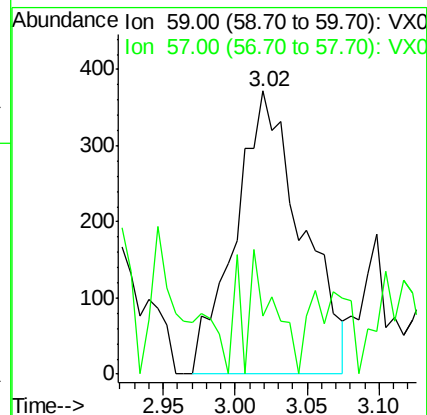
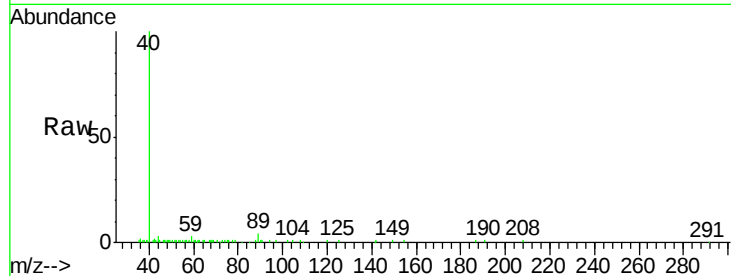


#11

Tert butyl alcohol
 Concen: 1.326 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX008292.D
 Acq: 21 Mar 2019 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW307I-20190314

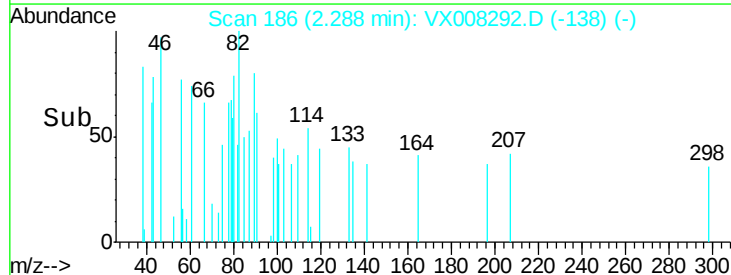
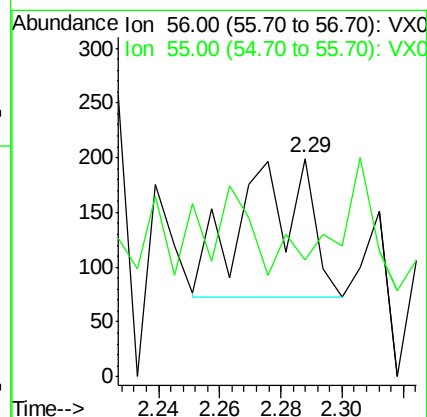
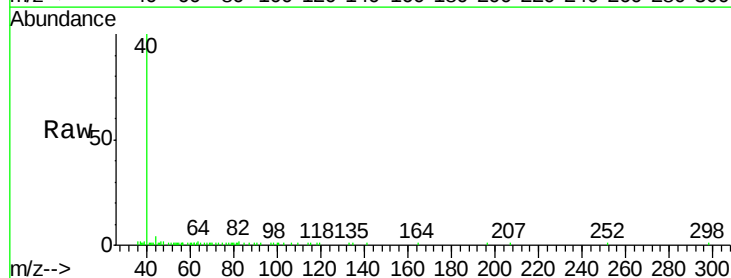
Tot Ion: 59 Resp: 1193
 Ion Ratio Lower Upper
 59 100
 57 14.7 8.2 12.2#

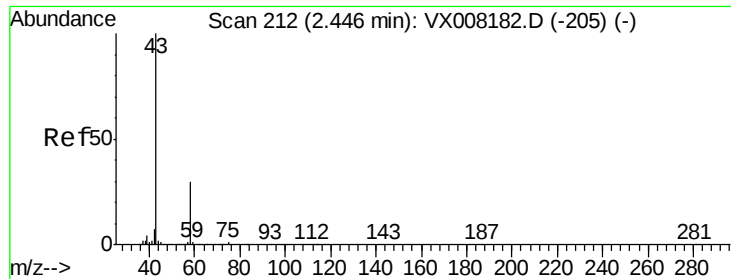


#13

Acrolein
 Concen: Below Cal
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX008292.D
 Acq: 21 Mar 2019 15:48

Tgt Ion: 56 Resp: 189
 Ion Ratio Lower Upper
 56 100
 55 145.0 57.8 86.6#





#16

Acetone

Concen: 0.777 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008292.D

Acq: 21 Mar 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

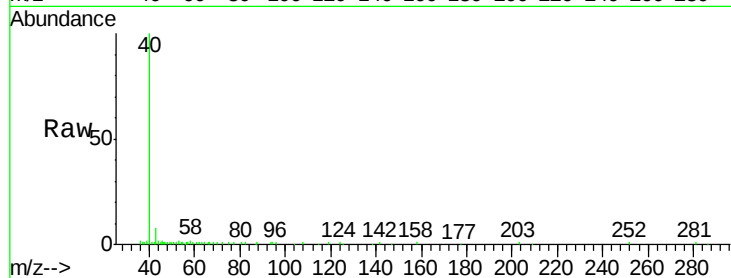
BPS1-TT-MW307I-20190314

Tot Ion: 43 Resp: 1853

Ion Ratio Lower Upper

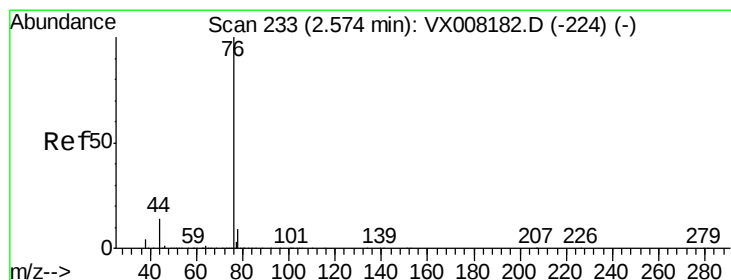
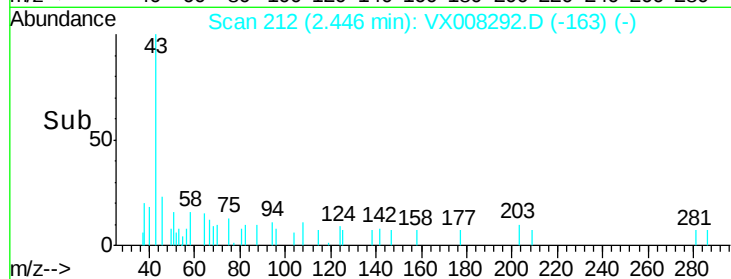
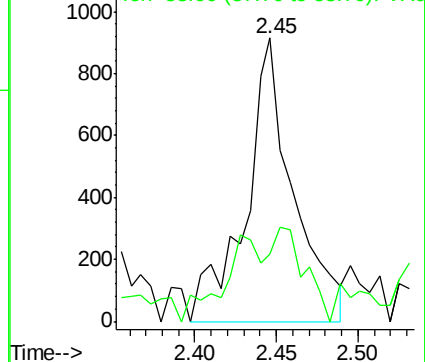
43 100

58 14.9 25.5 38.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.788 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX008292.D

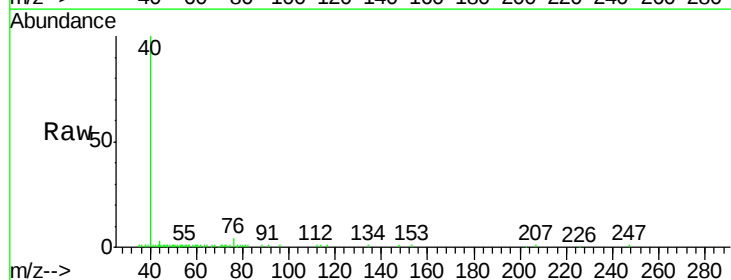
Acq: 21 Mar 2019 15:48

Tgt Ion: 76 Resp: 1267

Ion Ratio Lower Upper

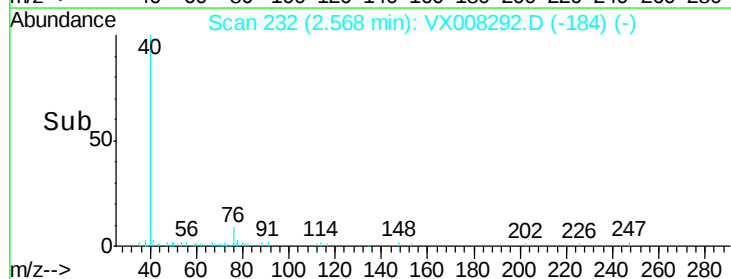
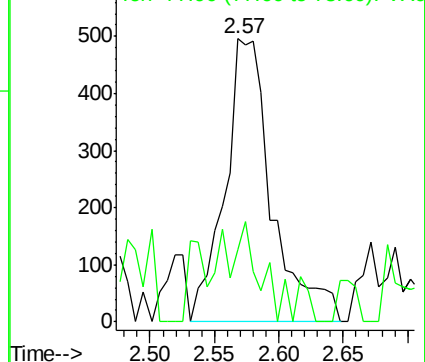
76 100

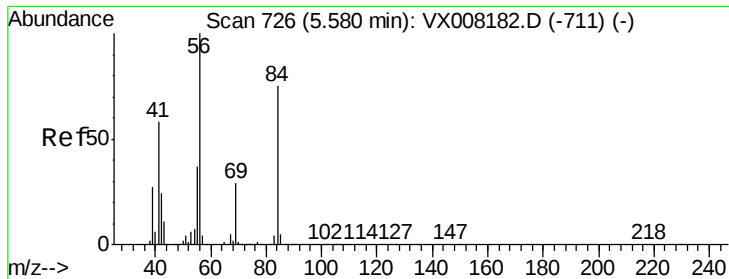
78 10.7 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

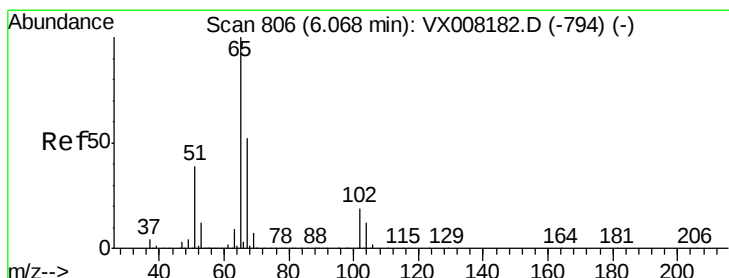
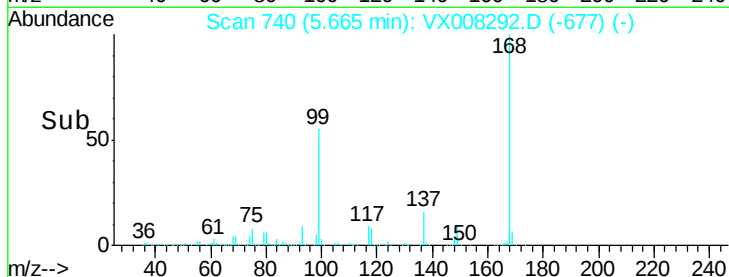
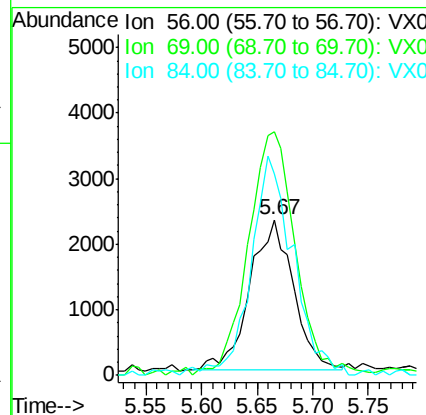
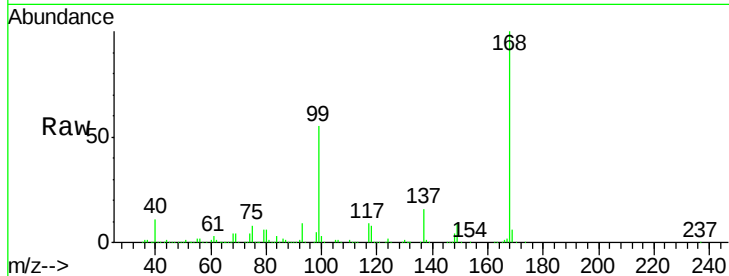




#31
Cyclohexane
Concen: 0.895 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX008292.D
Acq: 21 Mar 2019 15:48

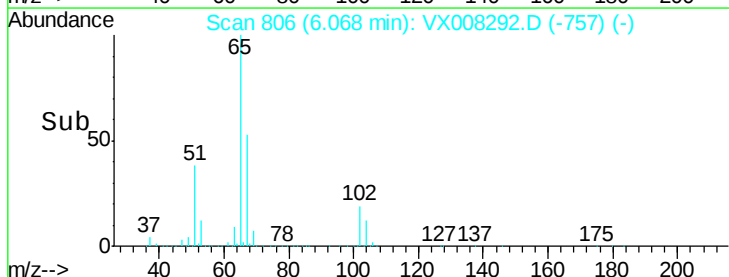
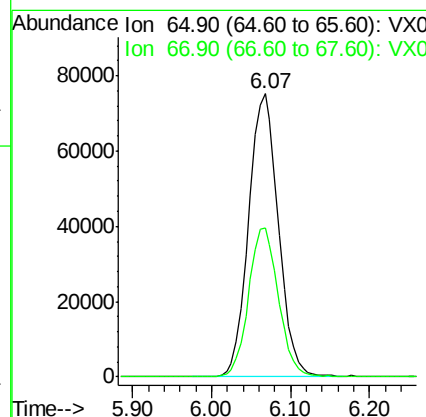
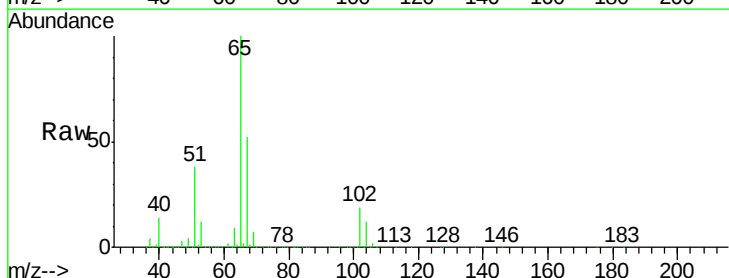
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW307I-20190314

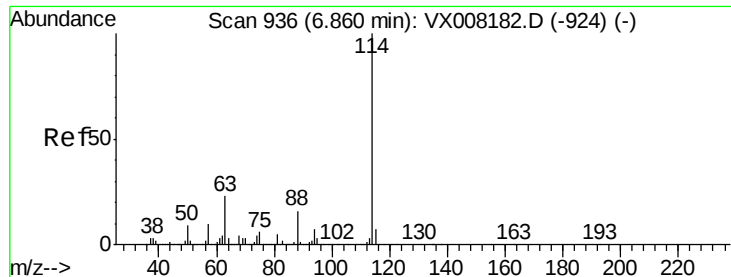
Tot Ion: 56 Resp: 6239
Ion Ratio Lower Upper
56 100
69 159.6 24.0 36.0#
84 129.6 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 46.977 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX008292.D
Acq: 21 Mar 2019 15:48

Tgt Ion: 65 Resp: 197406
Ion Ratio Lower Upper
65 100
67 52.9 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: VX008292.D

Acq: 21 Mar 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW307I-20190314

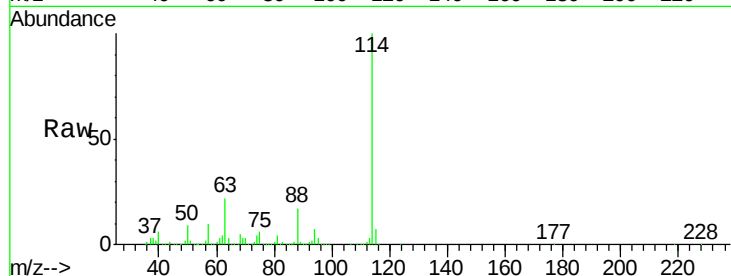
Tot Ion:114 Resp: 460997

Ion Ratio Lower Upper

114 100

63 22.4 0.0 39.8

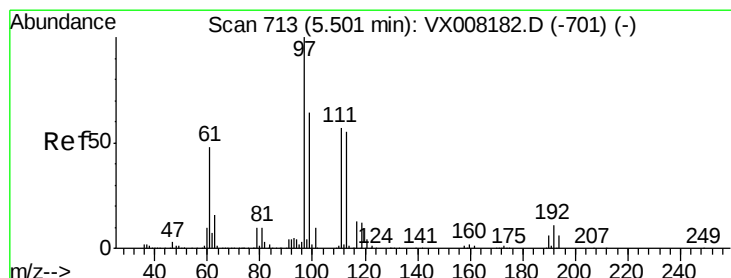
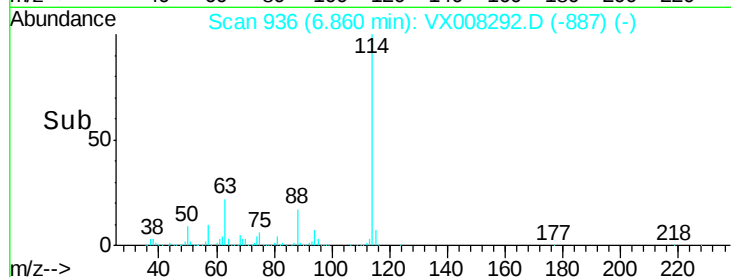
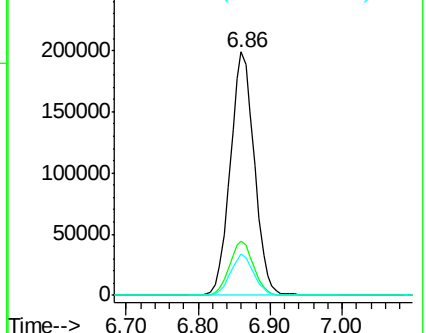
88 17.2 0.0 31.4



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: 47.795 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008292.D

Acq: 21 Mar 2019 15:48

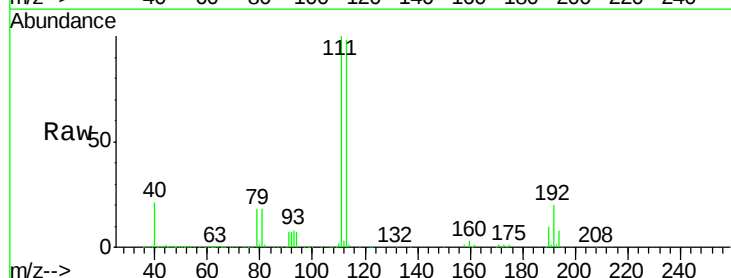
Tgt Ion:113 Resp: 147498

Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

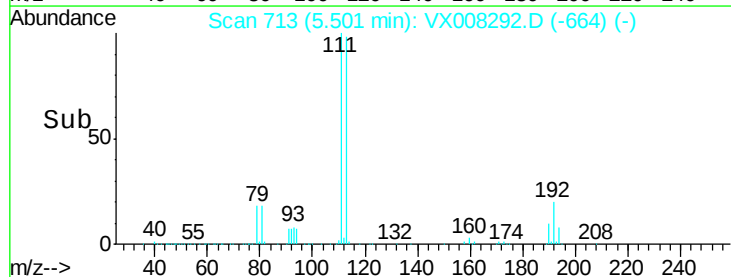
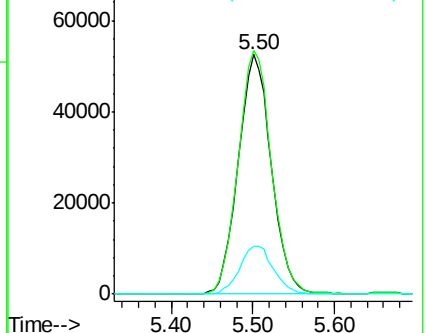
192 20.6 19.4 29.0

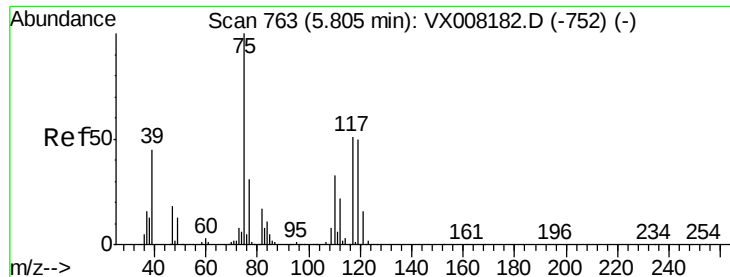


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

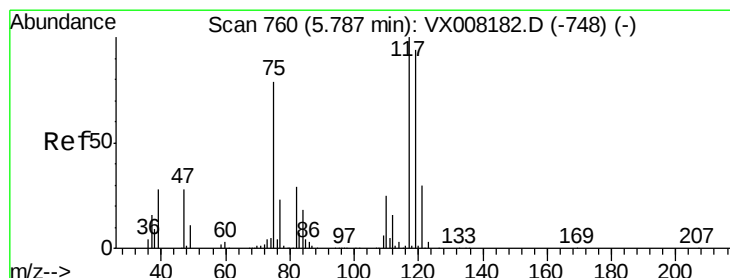
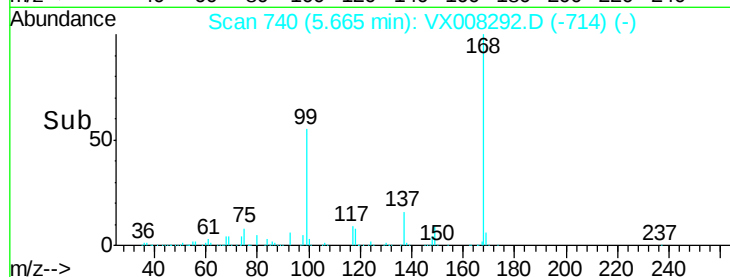
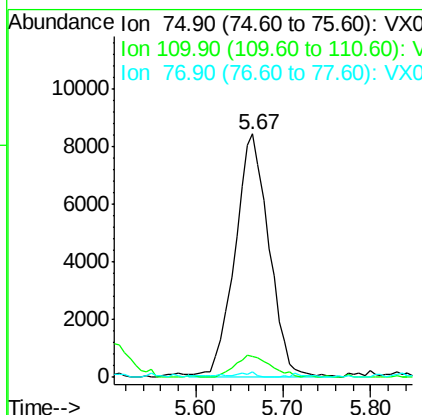
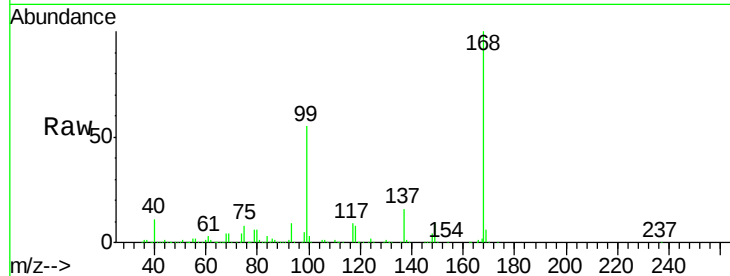




#36
 1,1-Dichloropropene
 Concen: 4.270 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.14 min
 Lab File: VX008292.D
 Acq: 21 Mar 2019 15:48

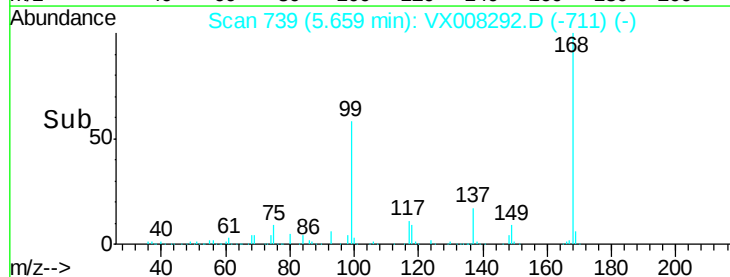
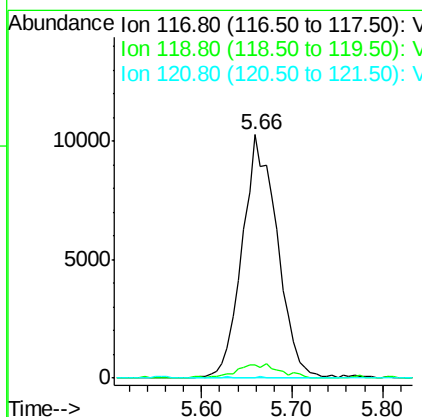
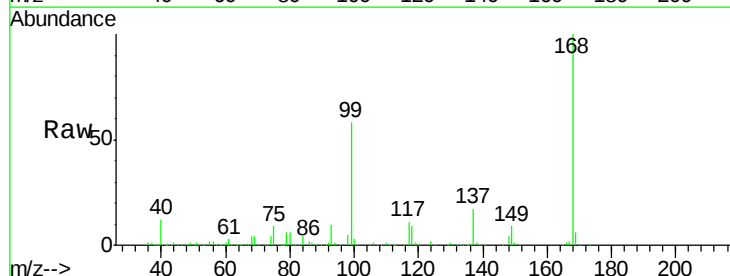
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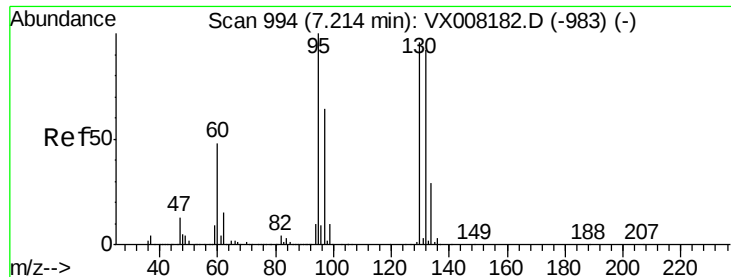
Tot Ion: 75 Resp: 22919
 Ion Ratio Lower Upper
 75 100
 110 9.4 18.4 55.0#
 77 1.1 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.751 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008292.D
 Acq: 21 Mar 2019 15:48

Tgt Ion:117 Resp: 27501
 Ion Ratio Lower Upper
 117 100
 119 5.3 76.2 114.2#
 121 0.0 24.6 36.8#





#44

Trichloroethene

Concen: 0.937 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008292.D

Acq: 21 Mar 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

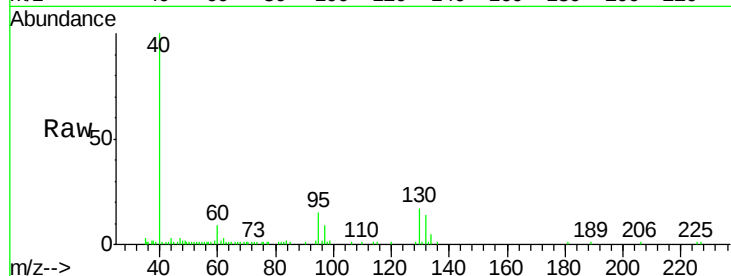
BPS1-TT-MW307I-20190314

Tot Ion:130 Resp: 3641

Ion Ratio Lower Upper

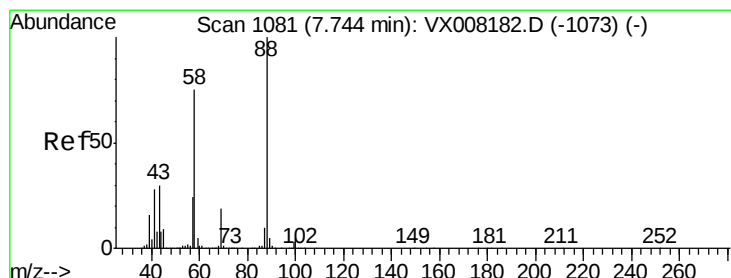
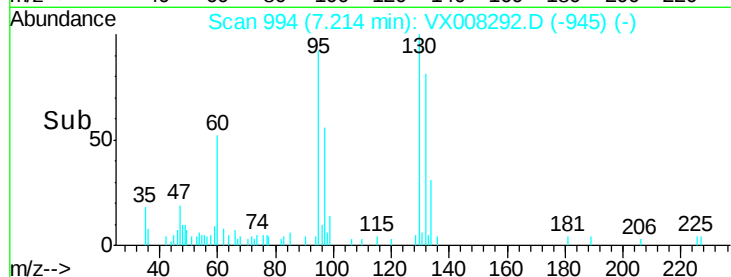
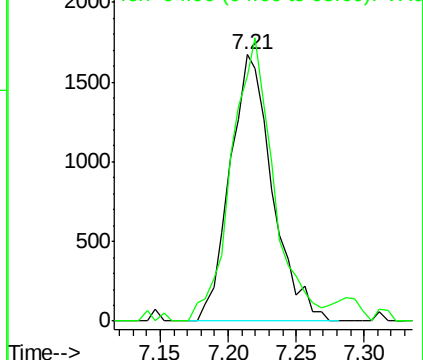
130 100

95 92.2 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 2.651 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VX008292.D

Acq: 21 Mar 2019 15:48

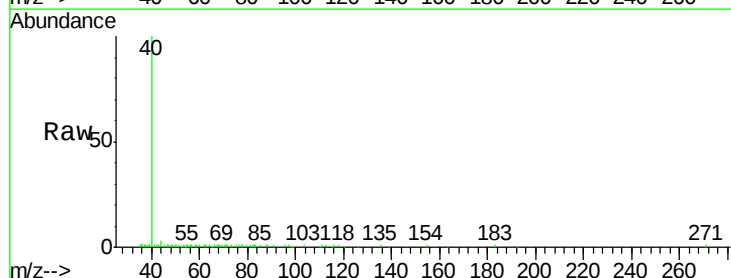
Tgt Ion: 88 Resp: 253

Ion Ratio Lower Upper

88 100

43 100.0 25.1 37.7#

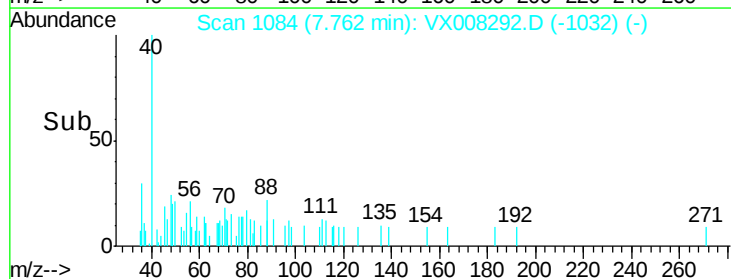
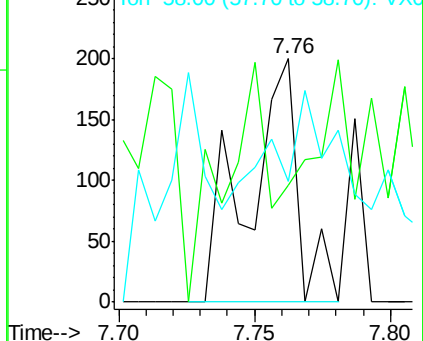
58 108.7 57.8 86.6#

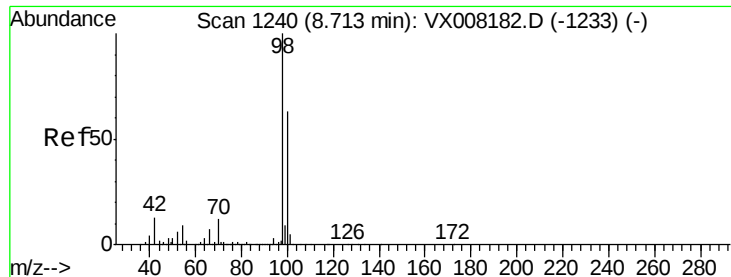


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 47.955 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008292.D

Acq: 21 Mar 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

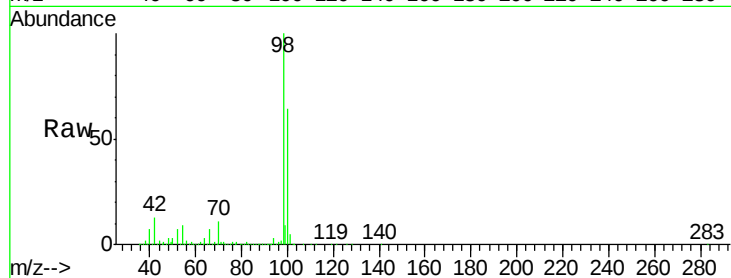
BPS1-TT-MW307I-20190314

Tot Ion: 98 Resp: 561094

Ion Ratio Lower Upper

98 100

100 63.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

400000

300000

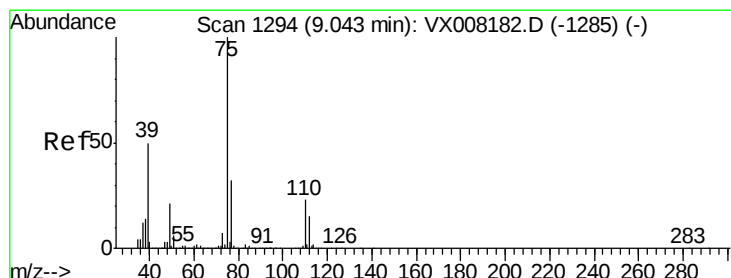
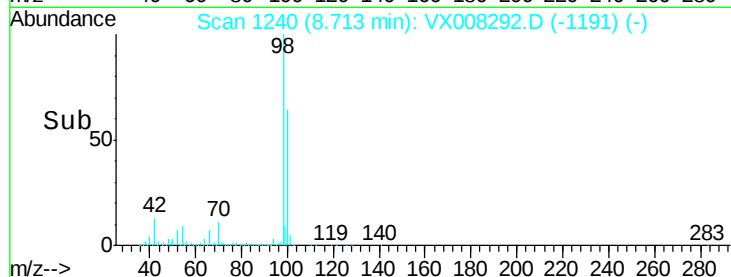
200000

100000

0

Time-->

8.60 8.70 8.80 8.90



#53

t-1,3-Dichloropropene

Concen: 1.459 ug/l

RT: 9.05 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX008292.D

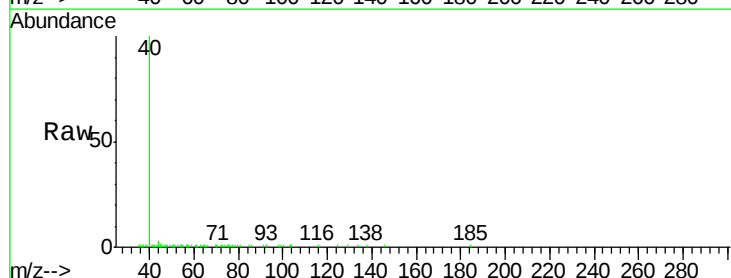
Acq: 21 Mar 2019 15:48

Tgt Ion: 75 Resp: 245

Ion Ratio Lower Upper

75 100

77 9.6 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.05

200

150

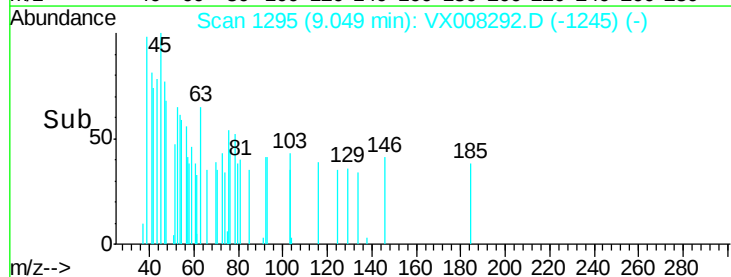
100

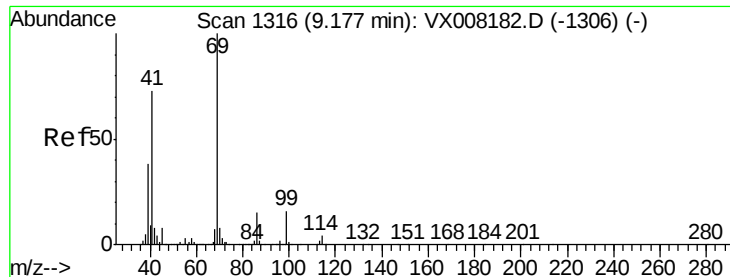
50

0

Time-->

9.00 9.02 9.04 9.06 9.08

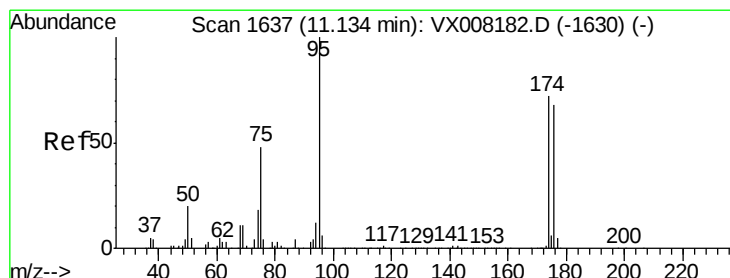
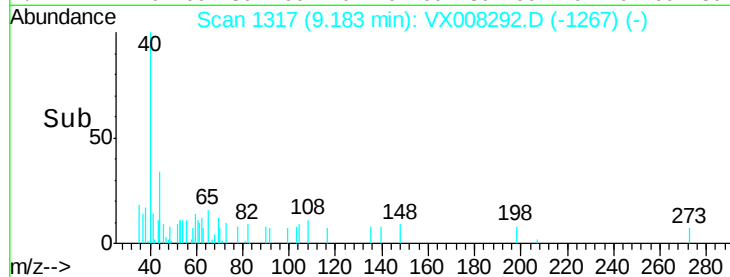
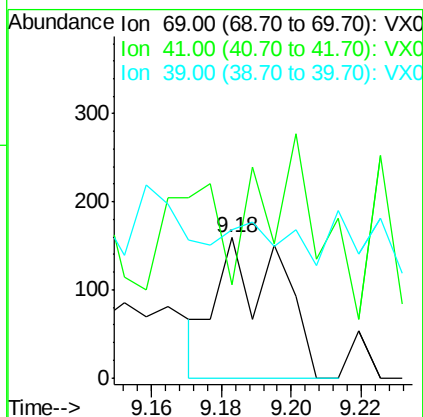
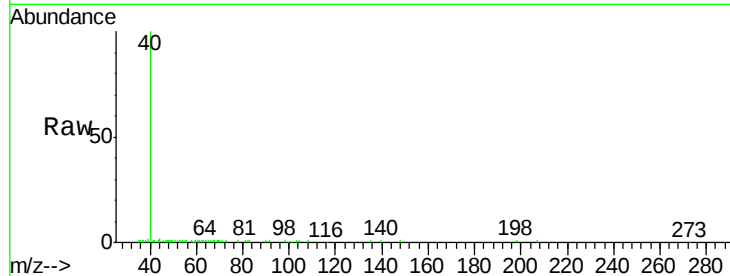




#56
Ethyl methacrylate
Concen: 0.555 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VX008292.D
Acq: 21 Mar 2019 15:48

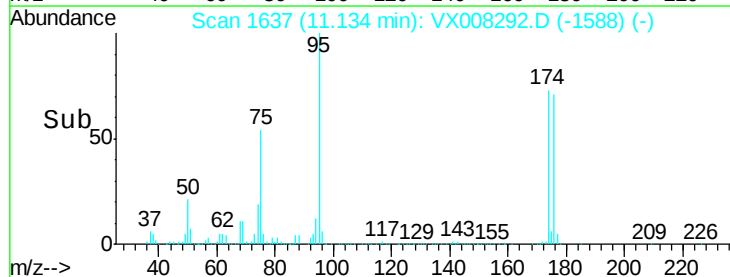
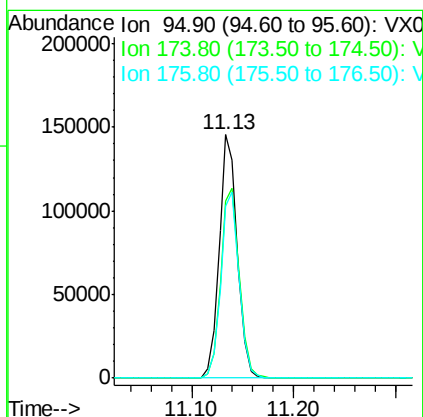
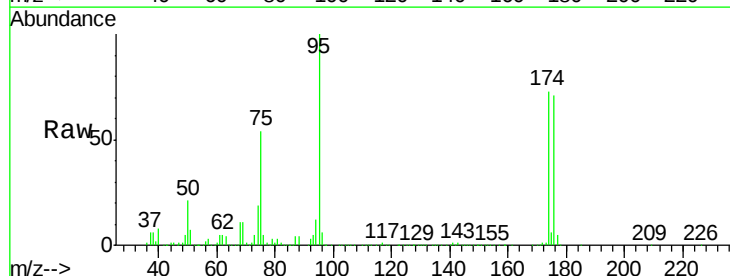
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW307I-20190314

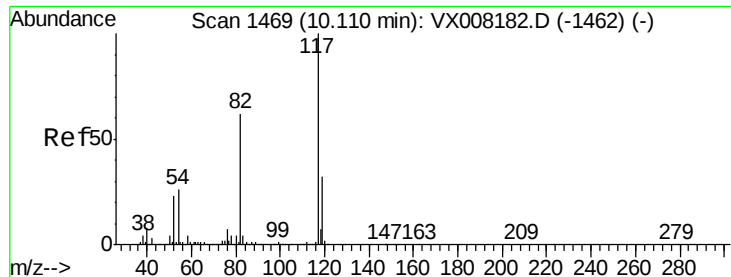
Tot Ion: 69 Resp: 196
Ion Ratio Lower Upper
69 100
41 66.8 54.2 81.4
39 0.0 25.0 37.4#



#62
4-Bromofluorobenzene
Concen: 44.806 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008292.D
Acq: 21 Mar 2019 15:48

Tgt Ion: 95 Resp: 180510
Ion Ratio Lower Upper
95 100
174 80.4 0.0 182.8
176 77.2 0.0 178.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX008292.D

Acq: 21 Mar 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW307I-20190314

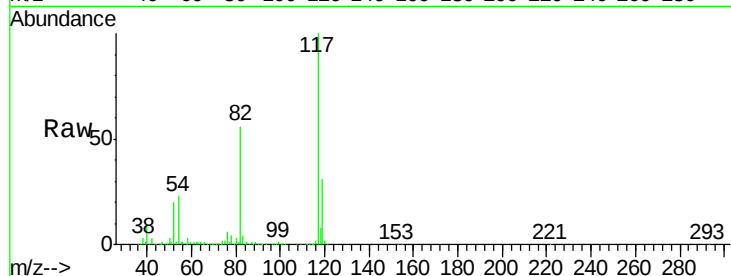
Tot Ion:117 Resp: 390118

Ion Ratio Lower Upper

117 100

82 56.5 44.3 66.5

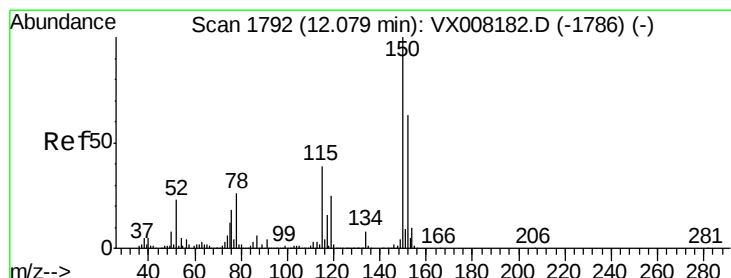
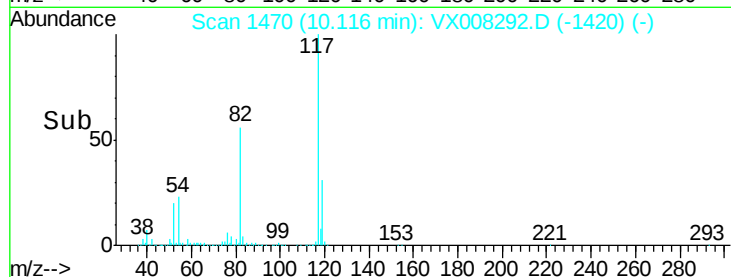
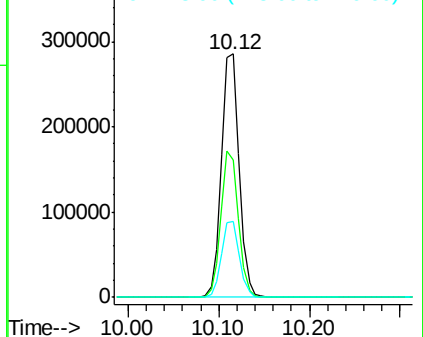
119 31.4 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

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: VX008292.D

Acq: 21 Mar 2019 15:48

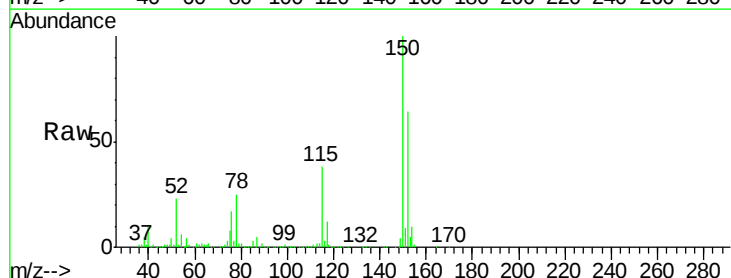
Tgt Ion:152 Resp: 157750

Ion Ratio Lower Upper

152 100

115 59.8 38.6 115.7

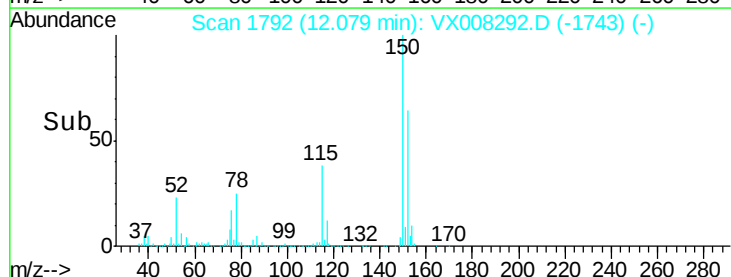
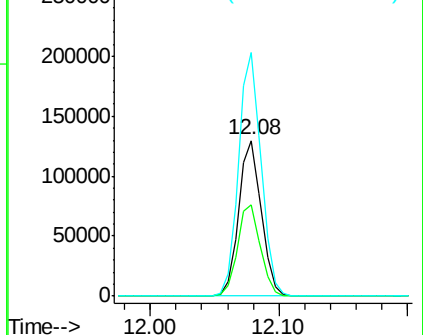
150 156.2 0.0 348.4

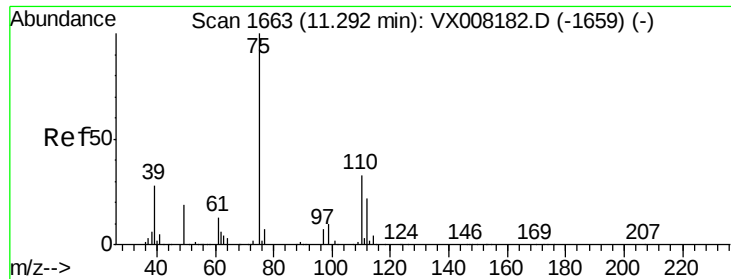


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.451 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008292.D

Acq: 21 Mar 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

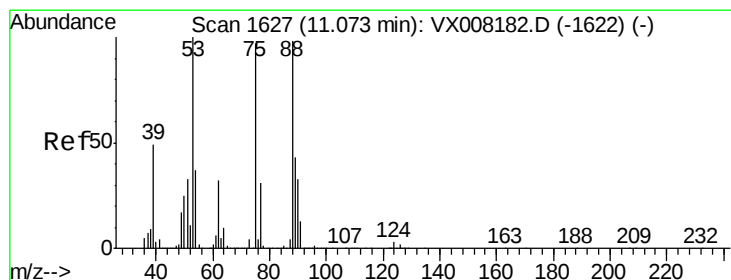
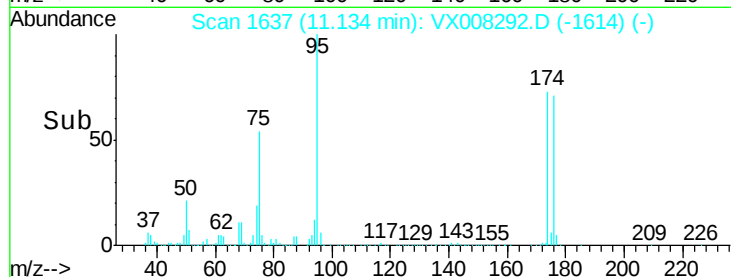
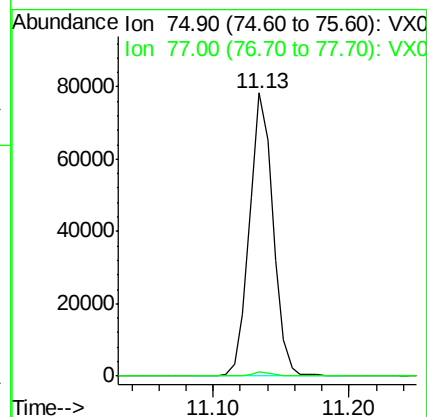
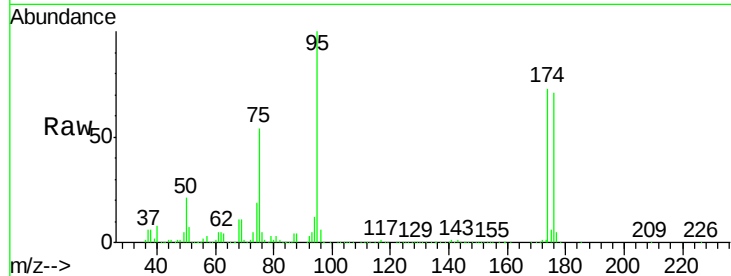
BPS1-TT-MW307I-20190314

Tot Ion: 75 Resp: 95175

Ion Ratio Lower Upper

75 100

77 1.5 18.9 56.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.550 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008292.D

Acq: 21 Mar 2019 15:48

Tgt Ion: 75 Resp: 95175

Ion Ratio Lower Upper

75 100

53 0.4 76.1 114.1#

89 0.0 36.3 54.5#

