

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032119\
 Data File : VX008300.D
 Acq On : 21 Mar 2019 19:07
 Operator : JC/SP
 Sample : K1963-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-EB02-20190314

Quant Time: Mar 22 08:46:14 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	238873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	386265	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	338507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	137323	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	158935	44.18	ug/l	0.00
Spiked Amount			Recovery	=	88.36%	
35) Dibromofluoromethane	5.50	113	120093	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	
50) Toluene-d8	8.71	98	478324	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
62) 4-Bromofluorobenzene	11.13	95	152876	45.29	ug/l	0.00
Spiked Amount			Recovery	=	90.58%	

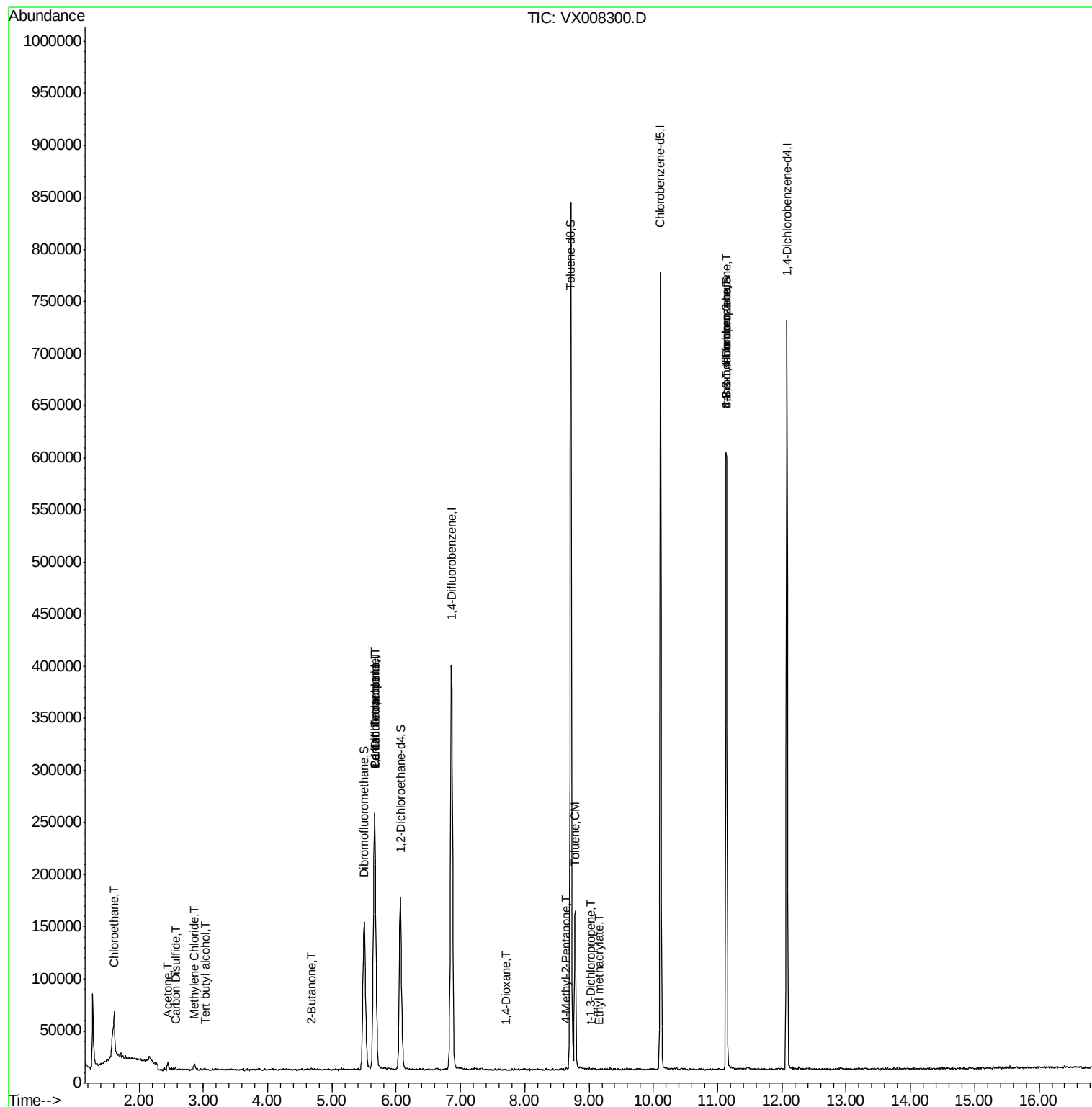
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.61	64	48421	21.314	ug/l #	52
11) Tert butyl alcohol	3.03	59	944	1.226	ug/l #	76
13) Acrolein	2.31	56	397	Below Cal		95
16) Acetone	2.45	43	7245	3.551	ug/l	97
17) Carbon Disulfide	2.57	76	970	0.776	ug/l #	9
20) Methylene Chloride	2.86	84	2768	0.814	ug/l	91
25) 2-Butanone	4.68	43	746	0.248	ug/l #	73
36) 1,1-Dichloropropene	5.66	75	18598	4.136	ug/l #	50
38) Carbon Tetrachloride	5.67	117	22711	5.668	ug/l #	18
49) 1,4-Dioxane	7.71	88	21	0.263	ug/l #	1
51) 4-Methyl-2-Pentanone	8.65	43	1164	0.211	ug/l	87
52) Toluene	8.79	92	56175	7.114	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	145	1.448	ug/l #	46
56) Ethyl methacrylate	9.16	69	140	0.551	ug/l #	14
76) 1,2,3-Trichloropropane	11.13	75	81616	21.131	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	81616	53.758	ug/l #	11

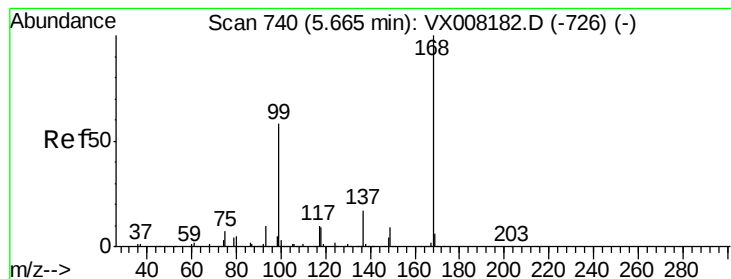
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 19 13:15:13 2019
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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: VX008300.D

Acq: 21 Mar 2019 19:07

Instrument :

MSVOA_X

ClientSampleId :

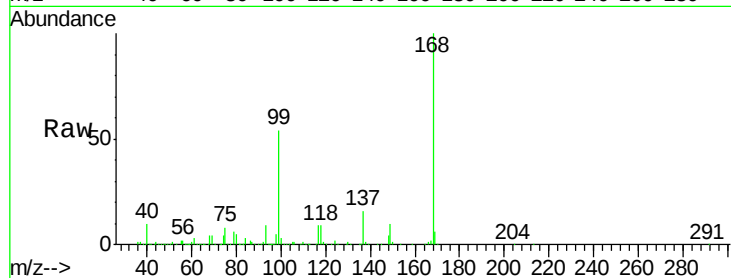
BP-EB02-20190314

Tot Ion:168 Resp: 238873

Ion Ratio Lower Upper

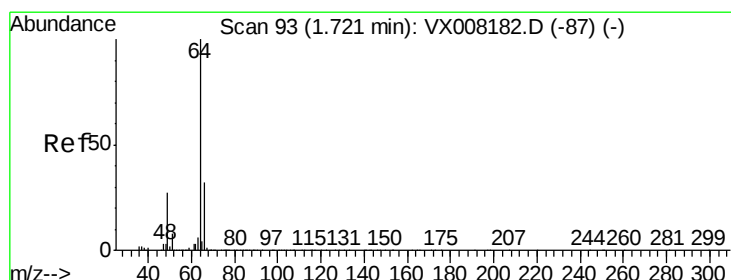
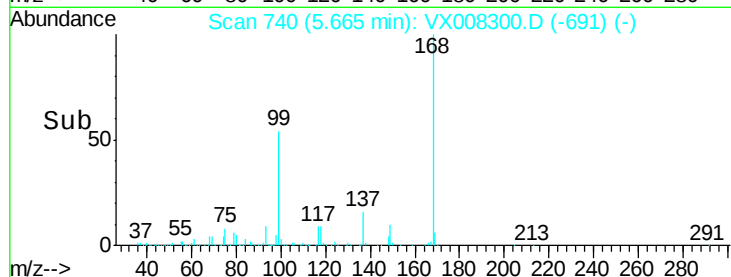
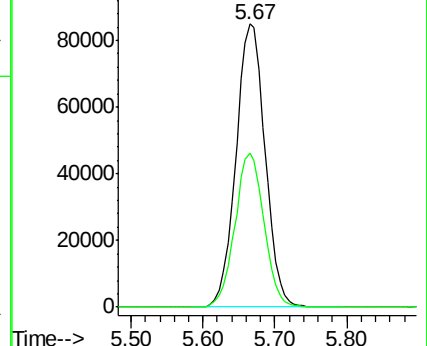
168 100

99 54.3 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 21.314 ug/l

RT: 1.61 min Scan# 75

Delta R.T. -0.11 min

Lab File: VX008300.D

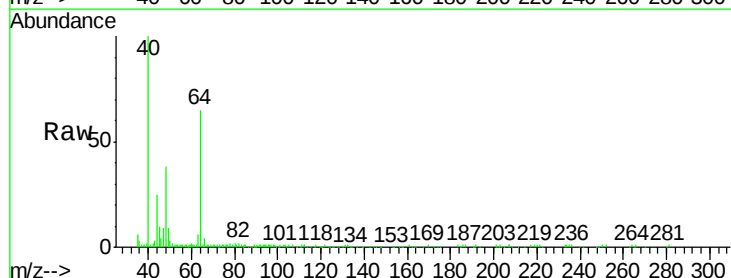
Acq: 21 Mar 2019 19:07

Tgt Ion: 64 Resp: 48421

Ion Ratio Lower Upper

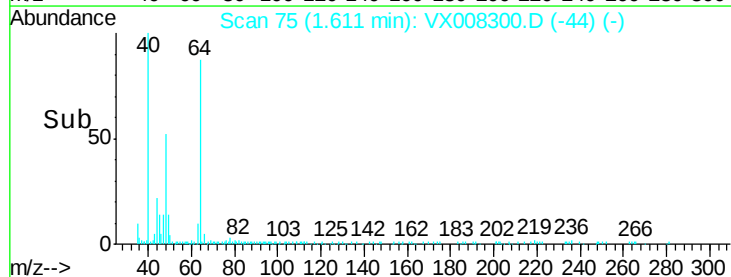
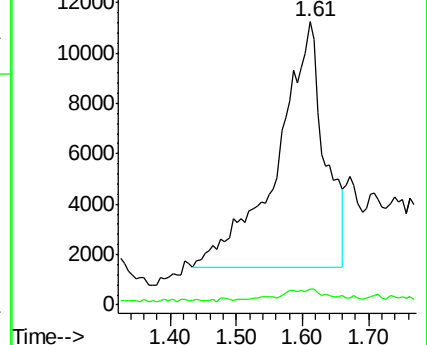
64 100

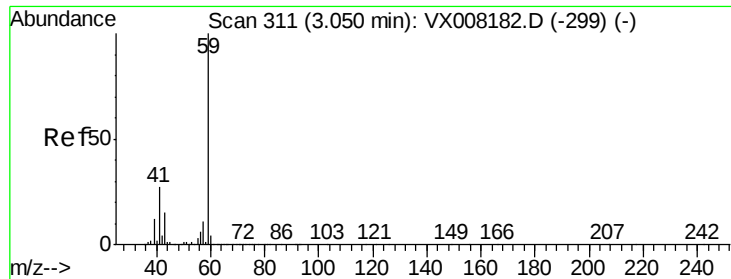
66 4.8 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



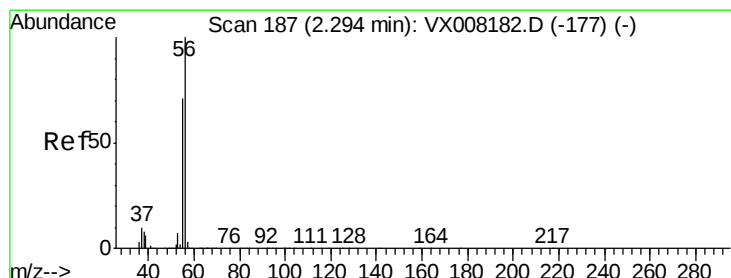
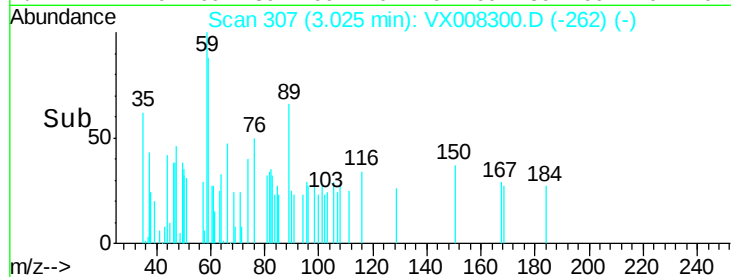
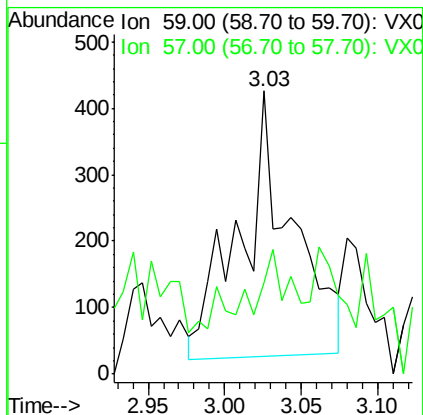
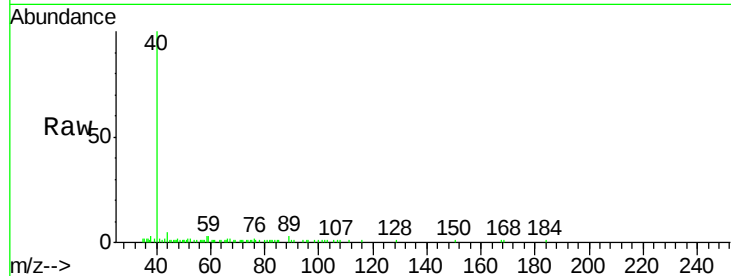


#11

Tert butvl alcohol
 Concen: 1.226 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VX008300.D
 Acq: 21 Mar 2019 19:07

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-EB02-20190314

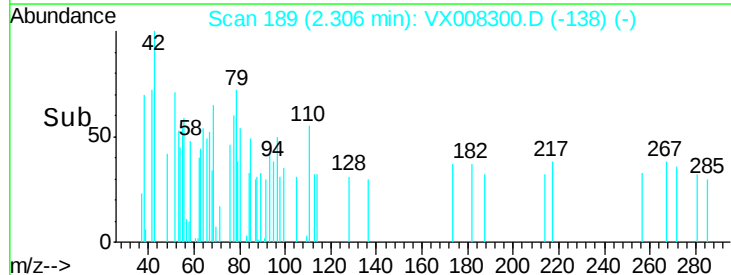
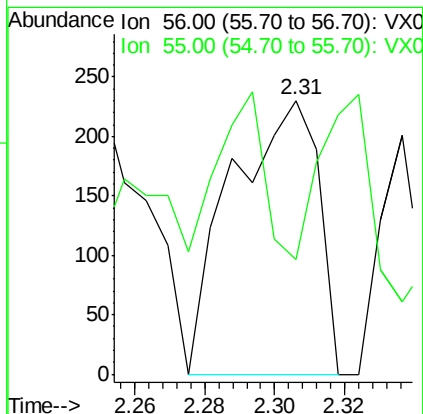
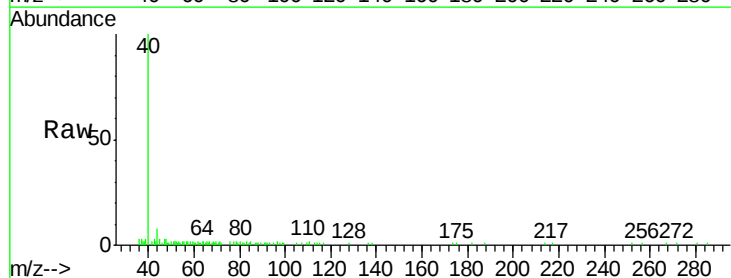
Tot Ion: 59 Resp: 944
 Ion Ratio Lower Upper
 59 100
 57 19.0 8.2 12.2#

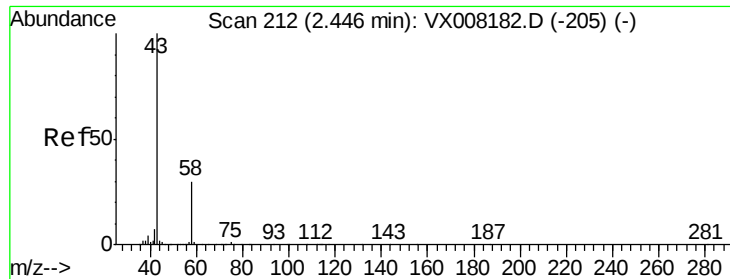


#13

Acrolein
 Concen: Below Cal
 RT: 2.31 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VX008300.D
 Acq: 21 Mar 2019 19:07

Tgt Ion: 56 Resp: 397
 Ion Ratio Lower Upper
 56 100
 55 67.8 57.8 86.6





#16

Acetone

Concen: 3.551 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008300.D

Acq: 21 Mar 2019 19:07

Instrument :

MSVOA_X

ClientSampleId :

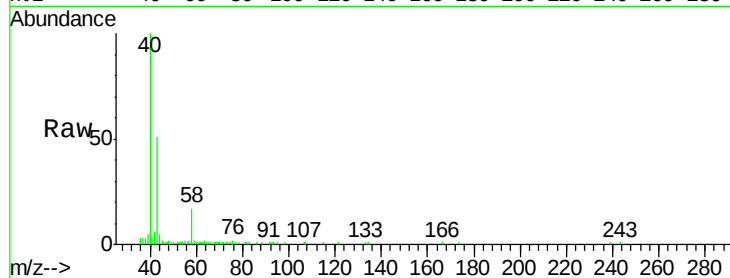
BP-EB02-20190314

Tot Ion: 43 Resp: 7245

Ion Ratio Lower Upper

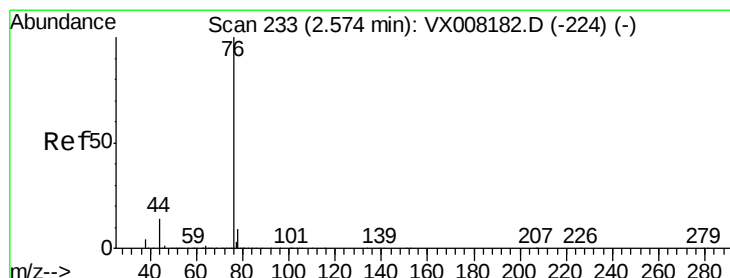
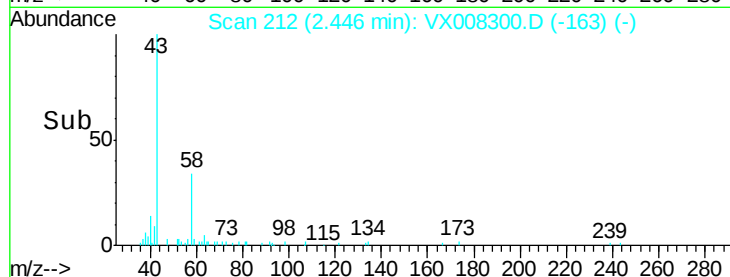
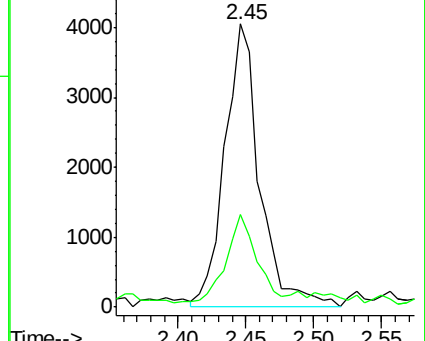
43 100

58 30.3 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: 0.776 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008300.D

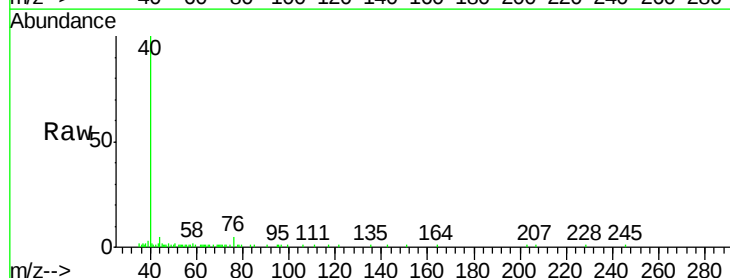
Acq: 21 Mar 2019 19:07

Tgt Ion: 76 Resp: 970

Ion Ratio Lower Upper

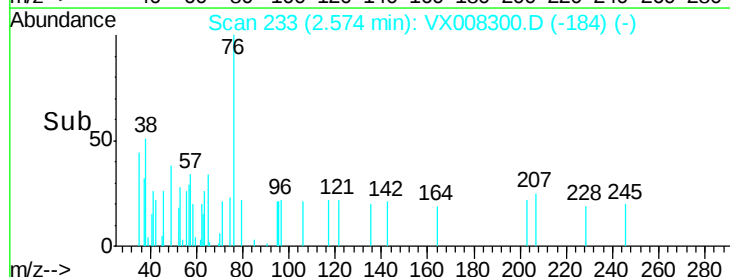
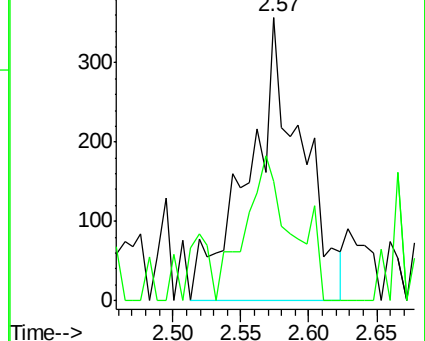
76 100

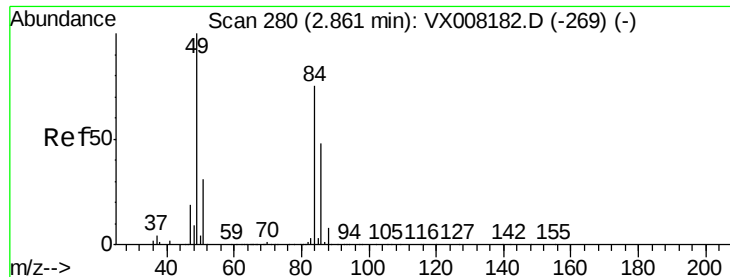
78 42.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

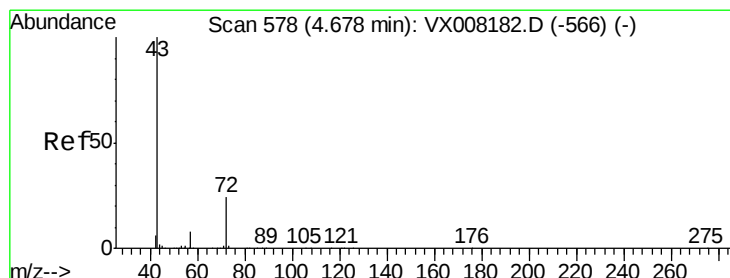
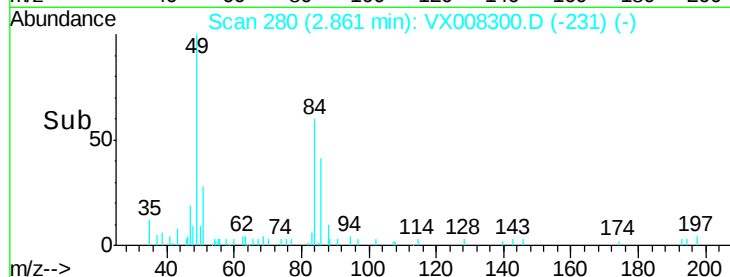
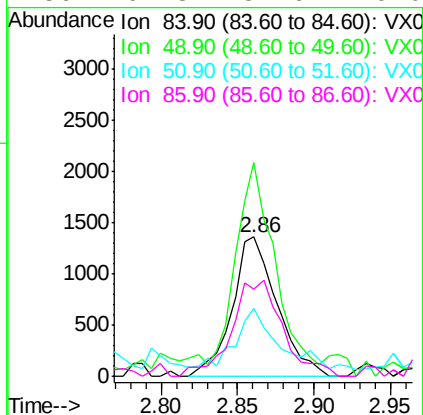
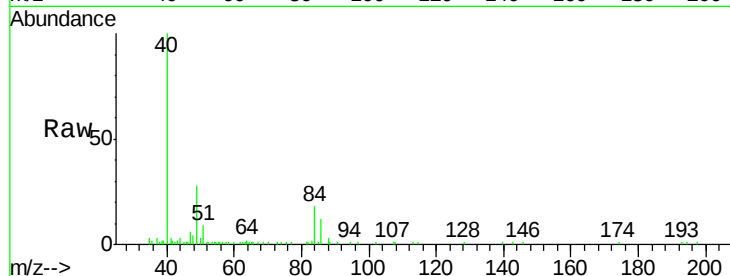




#20
Methvlene Chloride
Concen: 0.814 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008300.D
Acq: 21 Mar 2019 19:07

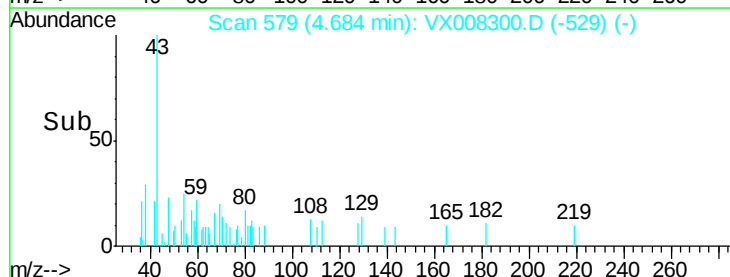
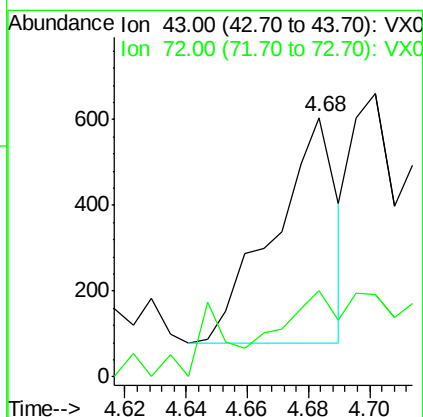
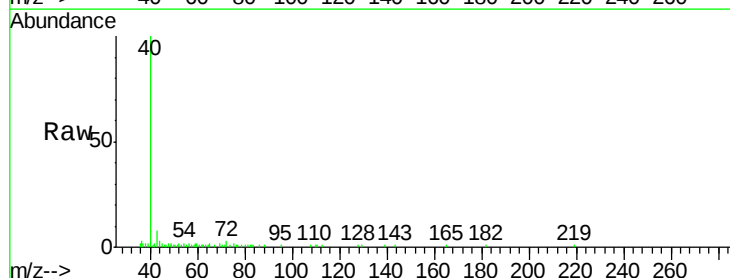
Instrument :
MSVOA_X
ClientSampleId :
BP-EB02-20190314

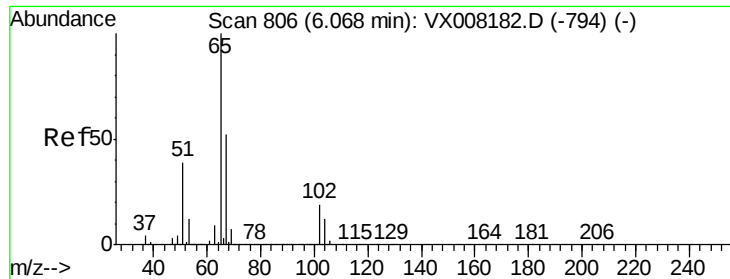
Tot Ion: 84 Resp: 2768
Ion Ratio Lower Upper
84 100
49 140.2 99.3 148.9
51 40.0 31.3 46.9
86 62.8 52.6 79.0



#25
2-Butanone
Concen: 0.248 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX008300.D
Acq: 21 Mar 2019 19:07

Tgt Ion: 43 Resp: 746
Ion Ratio Lower Upper
43 100
72 38.4 19.9 29.9#

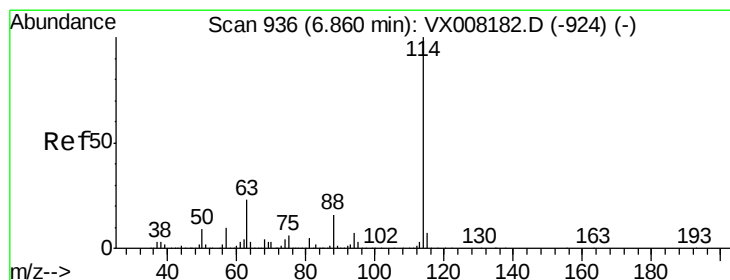
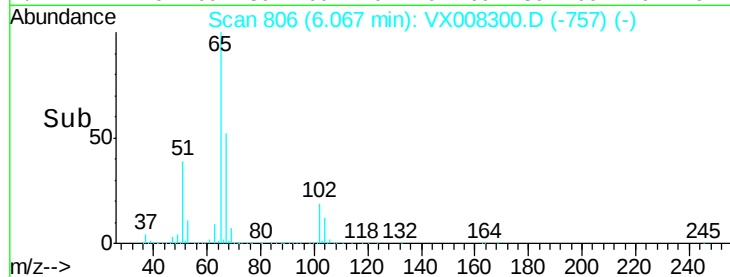
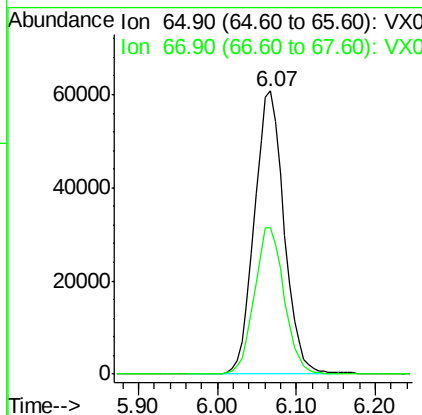
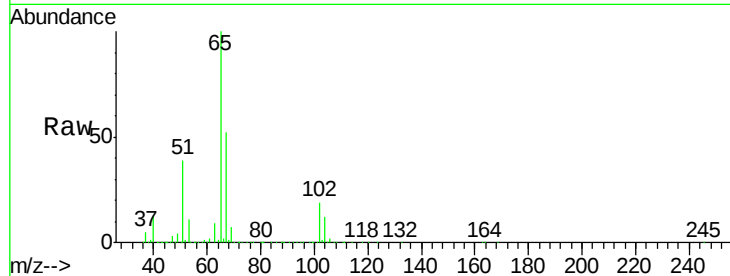




#33
 1,2-Dichloroethane-d4
 Concen: 44.178 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX008300.D
 Acq: 21 Mar 2019 19:07

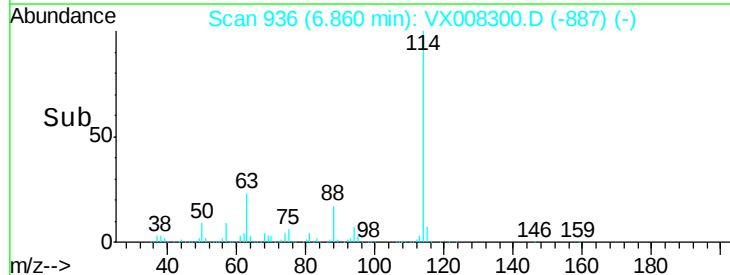
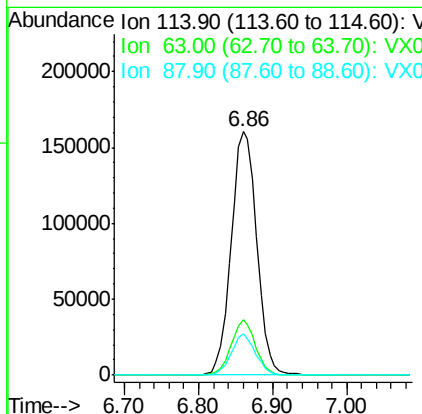
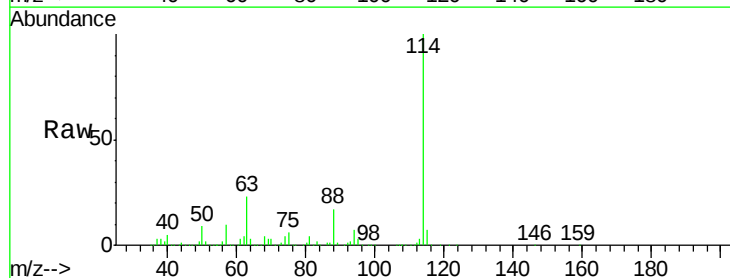
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-EB02-20190314

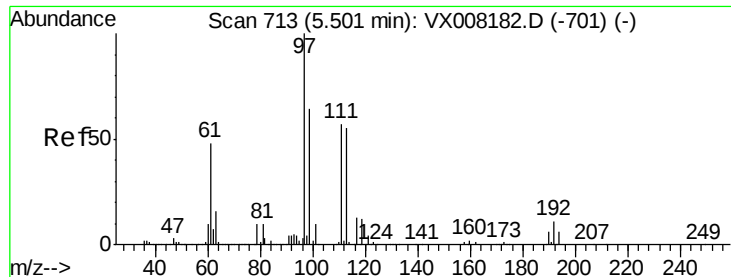
Tot Ion: 65 Resp: 158935
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008300.D
 Acq: 21 Mar 2019 19:07

Tgt Ion: 114 Resp: 386265
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 39.8
 88 17.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 46.443 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008300.D

Acq: 21 Mar 2019 19:07

Instrument :
MSVOA_X
ClientSampleId :
BP-EB02-20190314

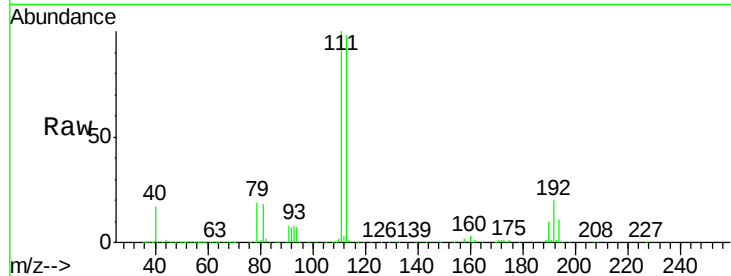
Tot Ion:113 Resp: 120093

Ion Ratio Lower Upper

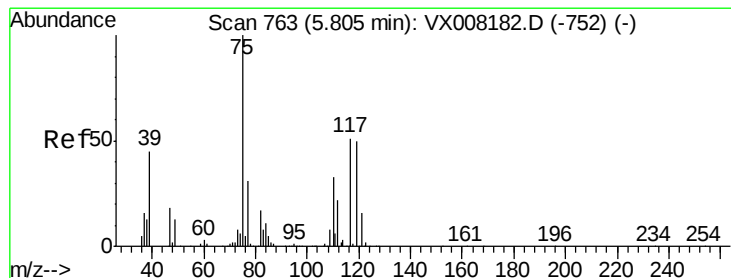
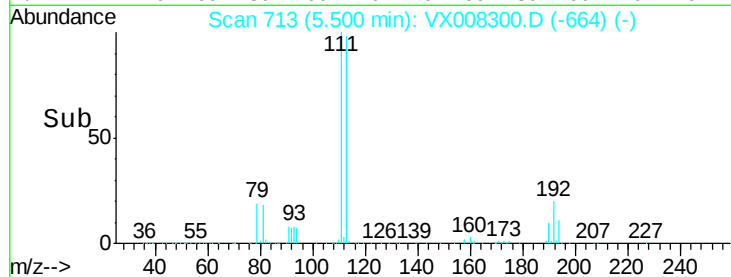
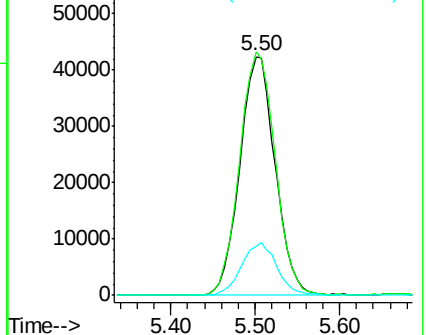
113 100

111 103.1 81.4 122.0

192 22.0 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: 4.136 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.15 min

Lab File: VX008300.D

Acq: 21 Mar 2019 19:07

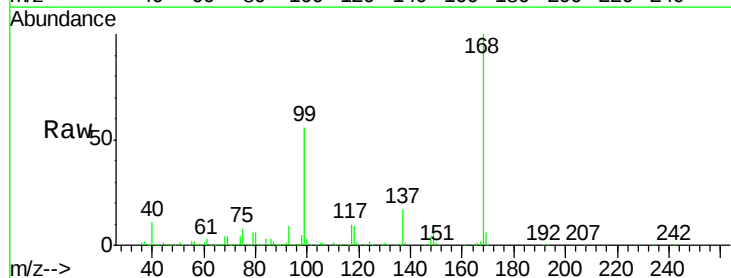
Tgt Ion: 75 Resp: 18598

Ion Ratio Lower Upper

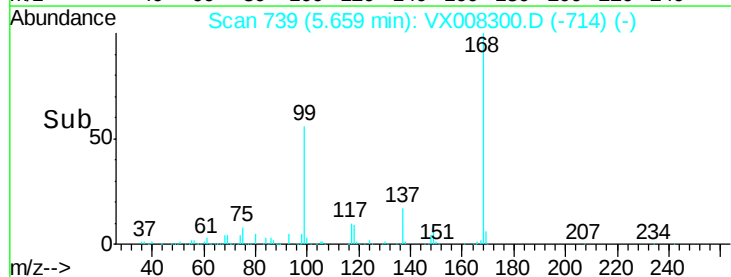
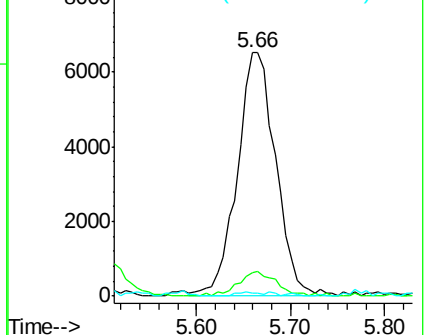
75 100

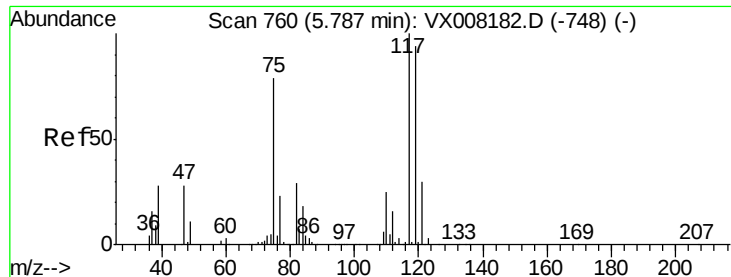
110 9.9 18.4 55.0#

77 0.9 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.668 ug/l

RT: 5.67 min Scan# 741

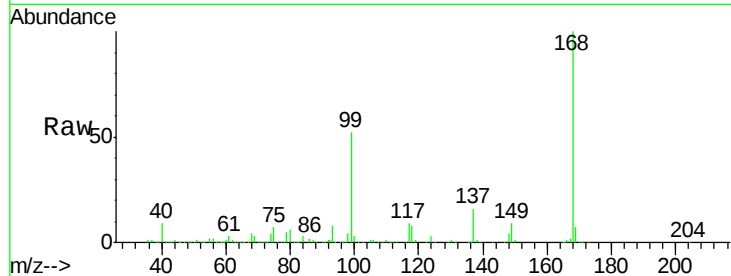
Delta R.T. -0.12 min

Lab File: VX008300.D

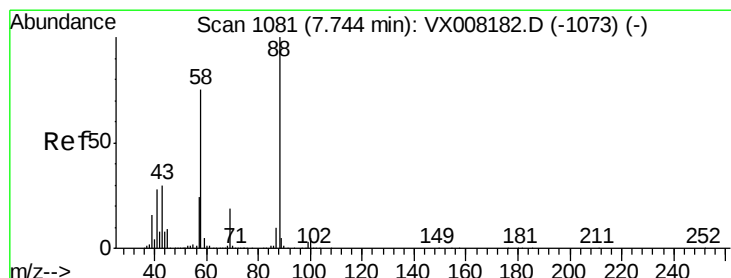
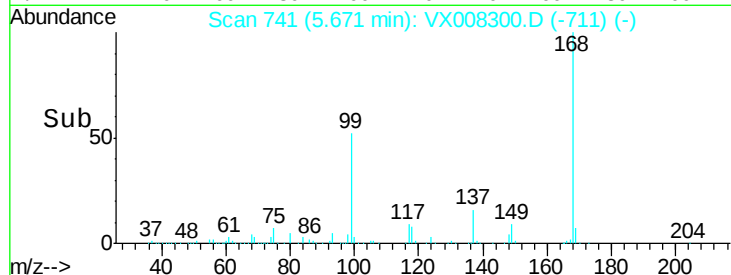
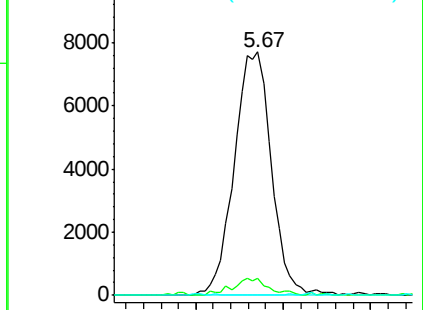
Acq: 21 Mar 2019 19:07

Instrument :
MSVOA_X
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BP-EB02-20190314

Tot Ion:117 Resp: 22711
Ion Ratio Lower Upper
117 100
119 6.8 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



#49

1,4-Dioxane

Concen: 0.263 ug/l

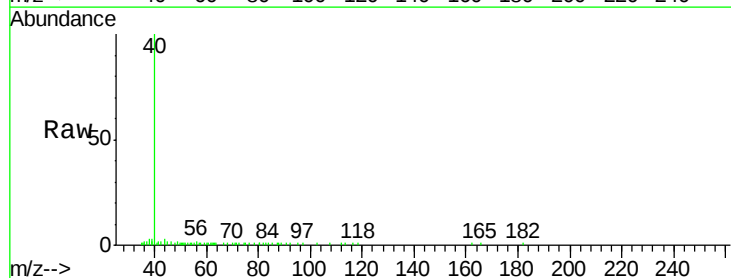
RT: 7.71 min Scan# 1076

Delta R.T. -0.03 min

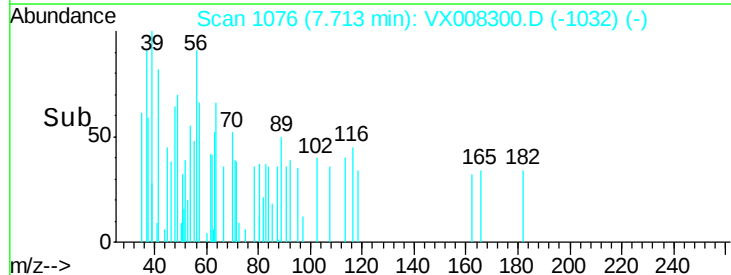
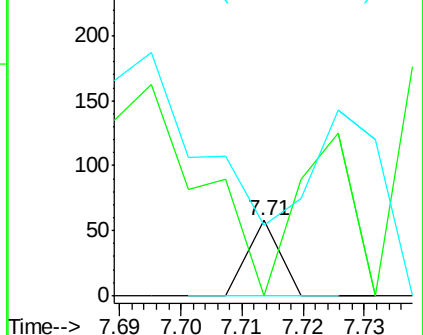
Lab File: VX008300.D

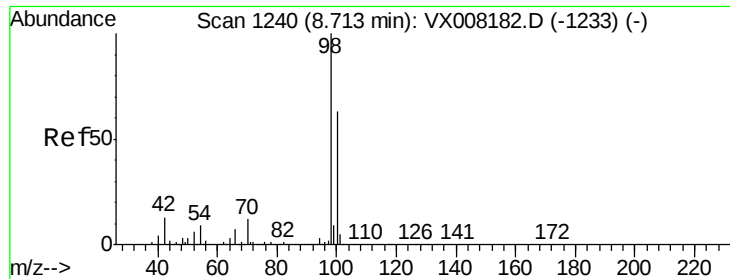
Acq: 21 Mar 2019 19:07

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 376.2 25.1 37.7#
58 590.5 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: 48.790 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008300.D

Acq: 21 Mar 2019 19:07

Instrument :

MSVOA_X

ClientSampleId :

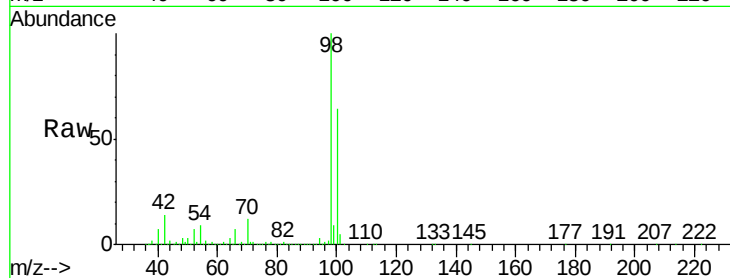
BP-EB02-20190314

Tot Ion: 98 Resp: 478324

Ion Ratio Lower Upper

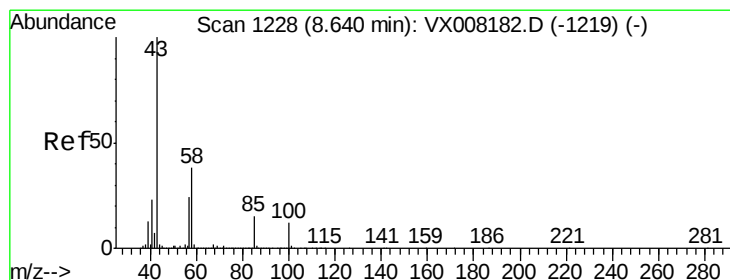
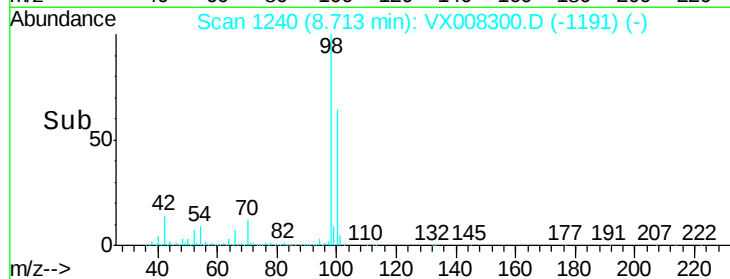
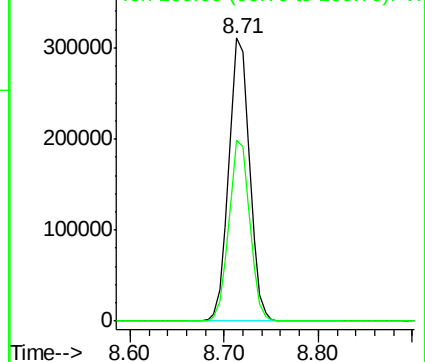
98 100

100 63.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 0.211 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VX008300.D

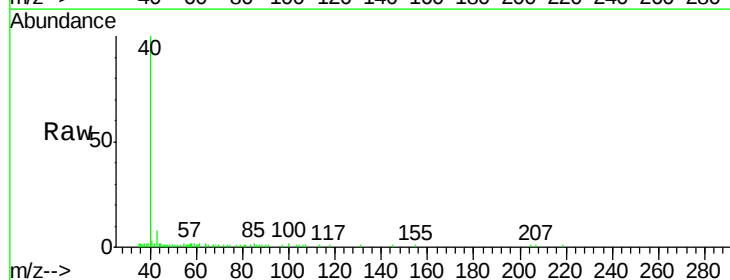
Acq: 21 Mar 2019 19:07

Tgt Ion: 43 Resp: 1164

Ion Ratio Lower Upper

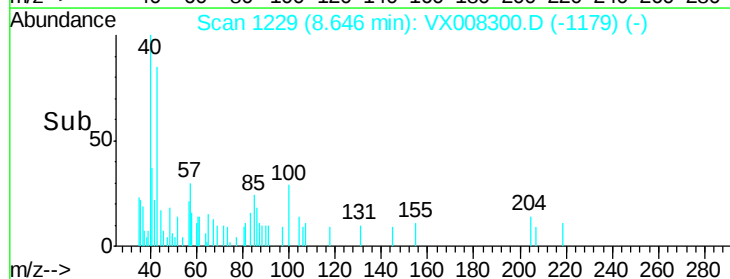
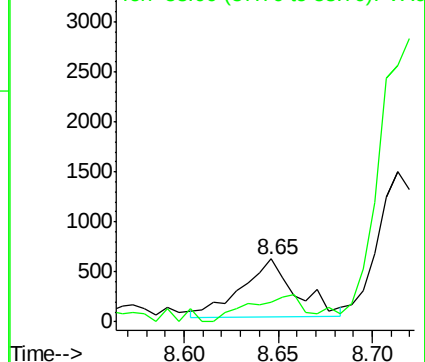
43 100

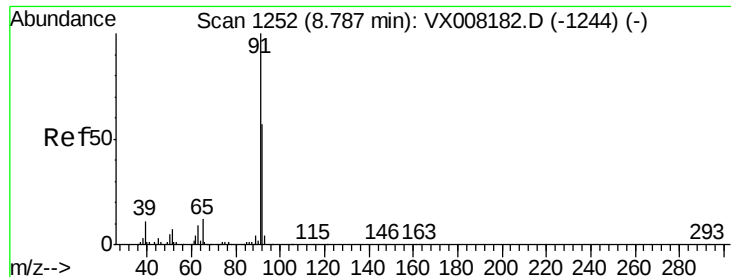
58 46.8 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 7.114 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008300.D

Acq: 21 Mar 2019 19:07

Instrument :

MSVOA_X

ClientSampleId :

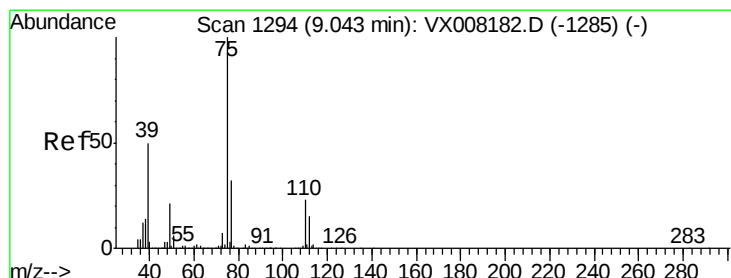
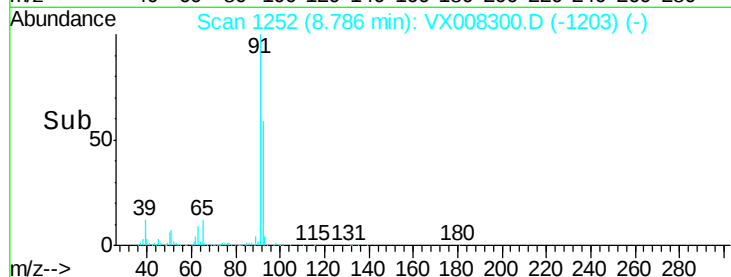
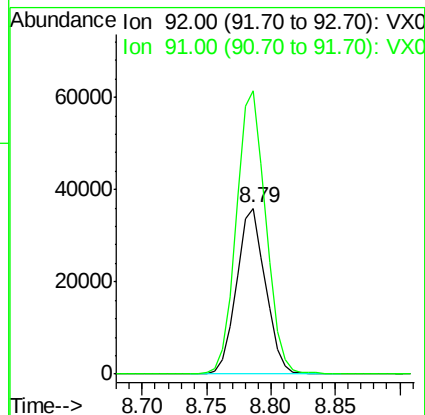
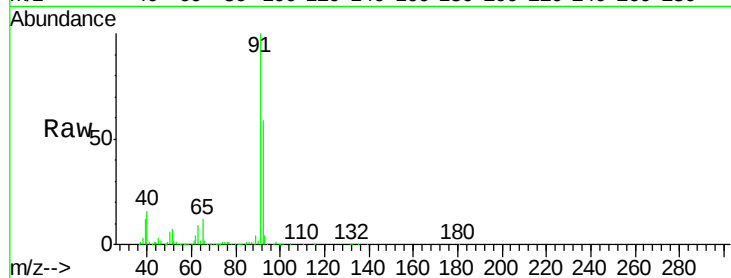
BP-EB02-20190314

Tot Ion: 92 Resp: 56175

Ion Ratio Lower Upper

92 100

91 173.5 137.4 206.0



#53

t-1,3-Dichloropropene

Concen: 1.448 ug/l

RT: 9.03 min Scan# 1292

Delta R.T. -0.01 min

Lab File: VX008300.D

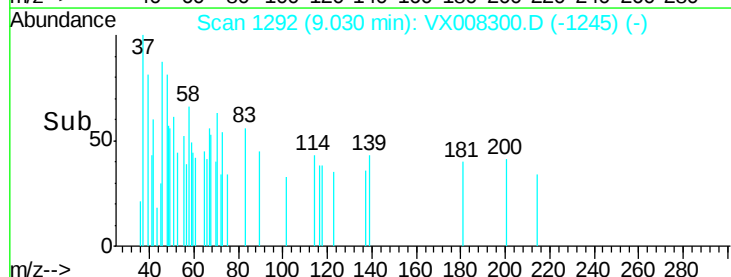
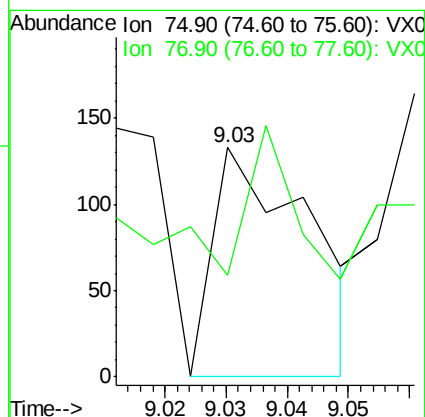
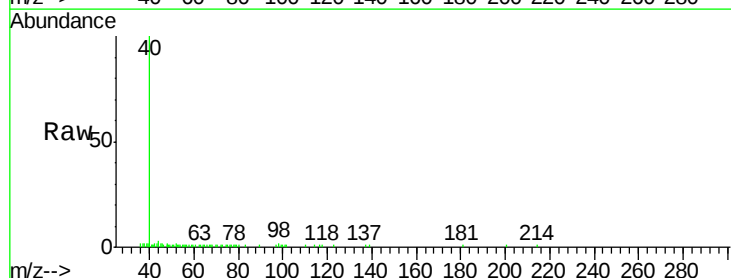
Acq: 21 Mar 2019 19:07

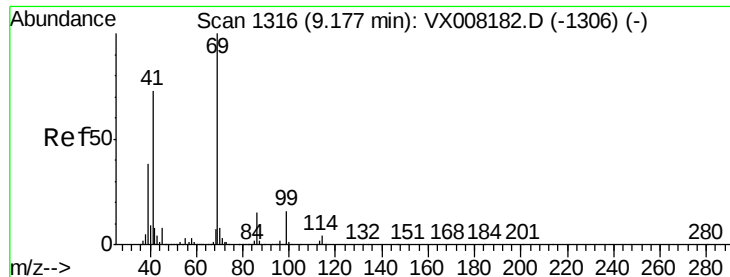
Tgt Ion: 75 Resp: 145

Ion Ratio Lower Upper

75 100

77 1.5 25.4 38.0#





#56

Ethyl methacrylate

Concen: 0.551 ug/l

RT: 9.16 min Scan# 1314

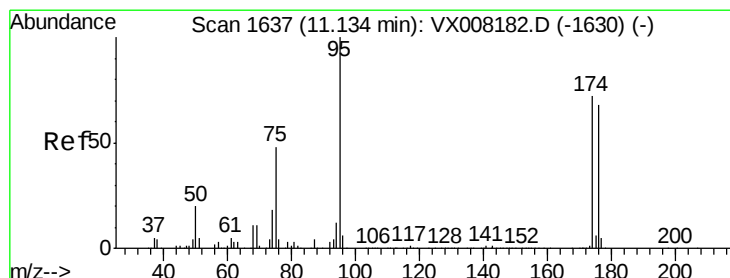
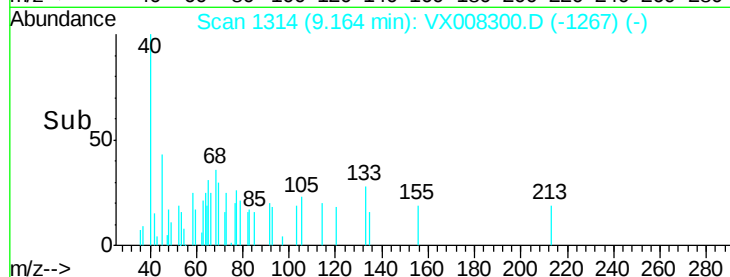
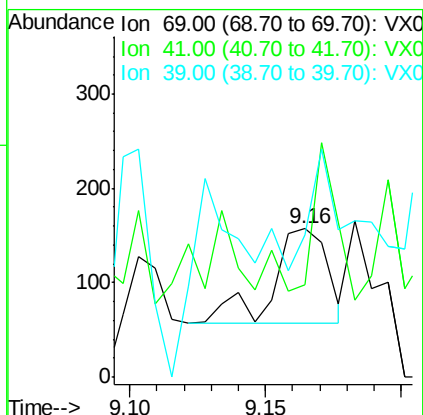
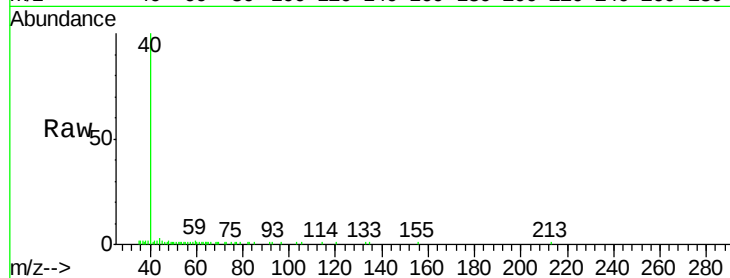
Delta R.T. -0.01 min

Lab File: VX008300.D

Acq: 21 Mar 2019 19:07

Instrument :
MSVOA_X
ClientSampleId :
BP-EB02-20190314

Tot Ion:	69	Resp:	140
Ion	Ratio	Lower	Upper
69	100		
41	69.3	54.2	81.4
39	178.6	25.0	37.4#



#62

4-Bromofluorobenzene

Concen: 45.289 ug/l

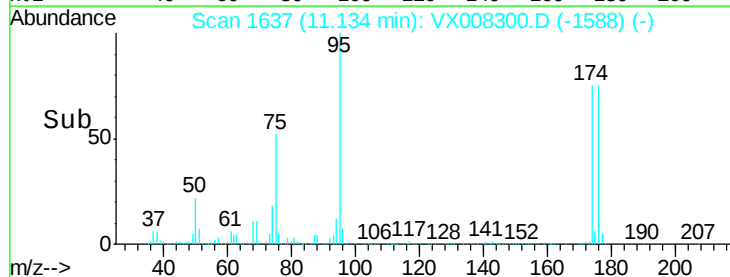
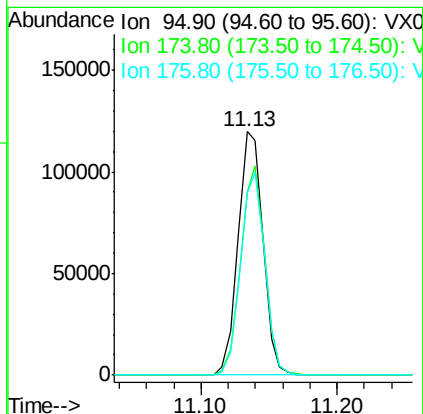
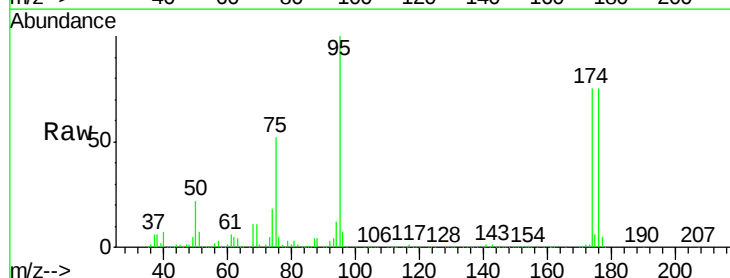
RT: 11.13 min Scan# 1637

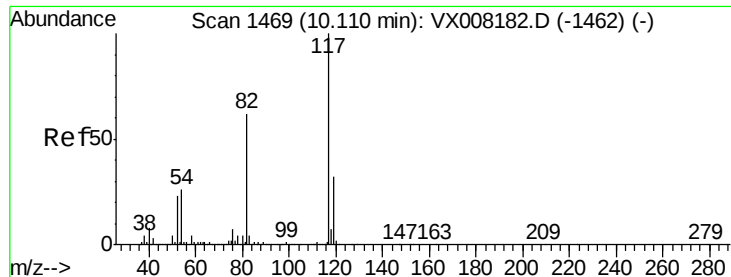
Delta R.T. -0.00 min

Lab File: VX008300.D

Acq: 21 Mar 2019 19:07

Tgt Ion:	95	Resp:	152876
Ion	Ratio	Lower	Upper
95	100		
174	83.3	0.0	182.8
176	81.0	0.0	178.0

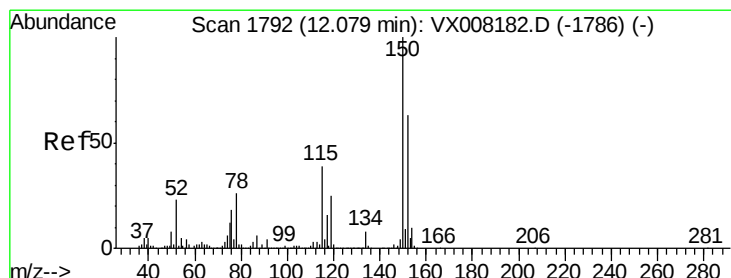
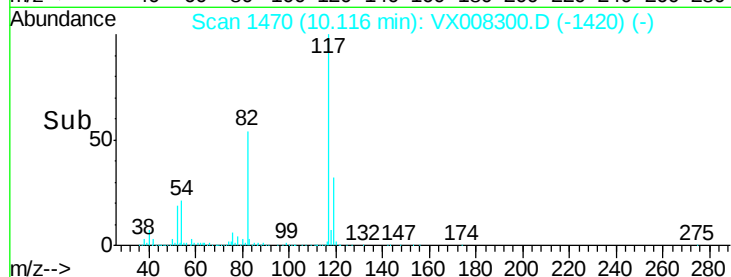
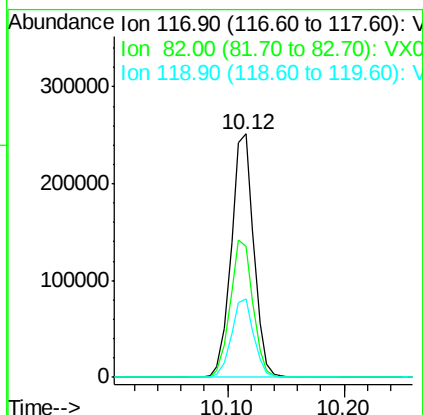
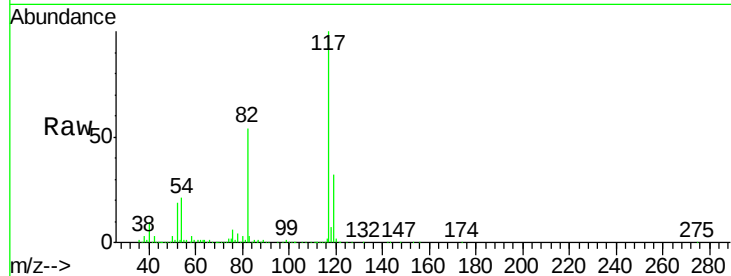




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008300.D
Acq: 21 Mar 2019 19:07

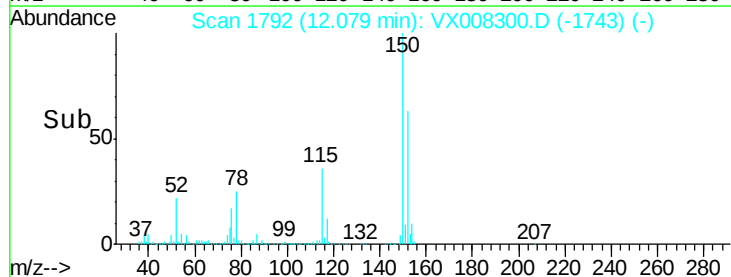
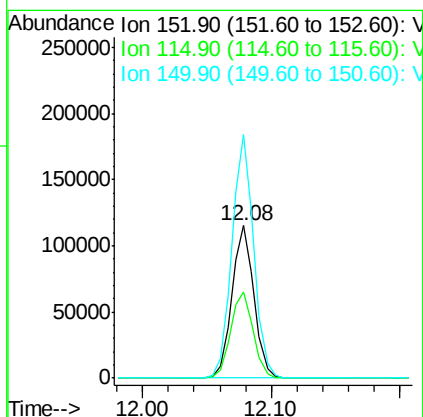
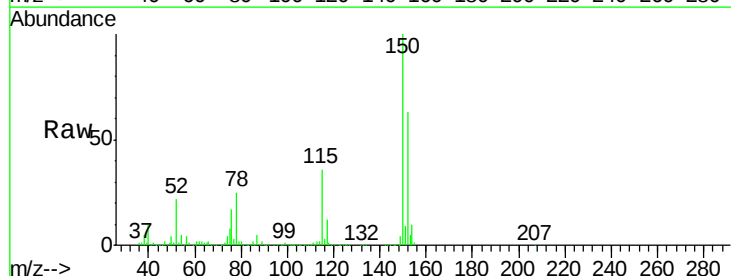
Instrument :
MSVOA_X
ClientSampleId :
BP-EB02-20190314

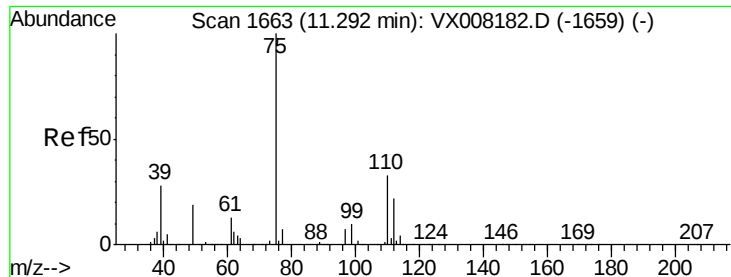
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	44.3	66.5
119	32.1	25.3	37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008300.D
Acq: 21 Mar 2019 19:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	38.6	115.7
150	157.7	0.0	348.4





#76

1,2,3-Trichloropropane

Concen: 21.131 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008300.D

Acq: 21 Mar 2019 19:07

Instrument :

MSVOA_X

ClientSampleId :

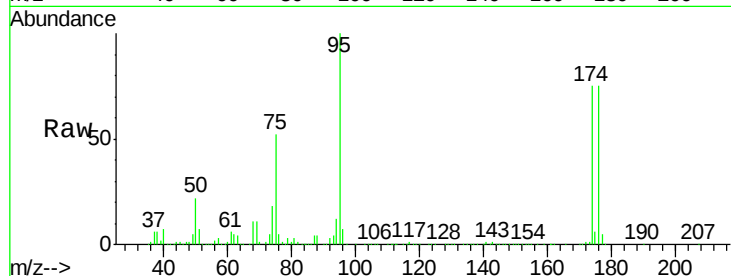
BP-EB02-20190314

Tot Ion: 75 Resp: 81616

Ion Ratio Lower Upper

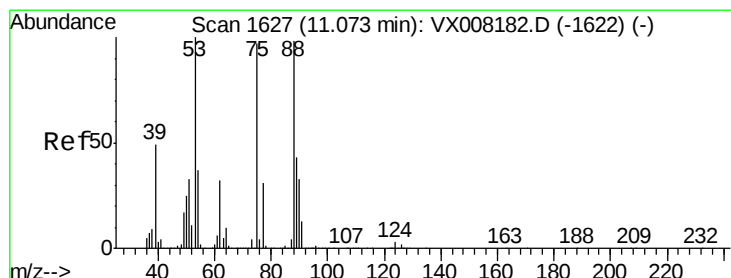
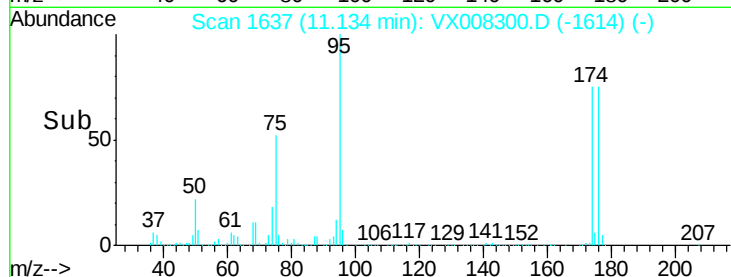
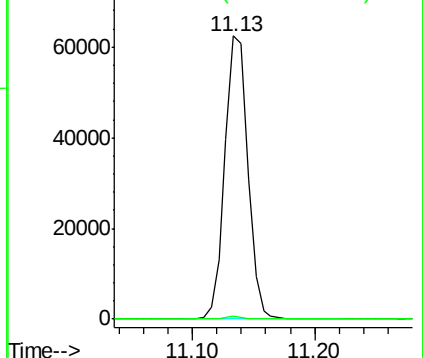
75 100

77 1.3 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: 53.758 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008300.D

Acq: 21 Mar 2019 19:07

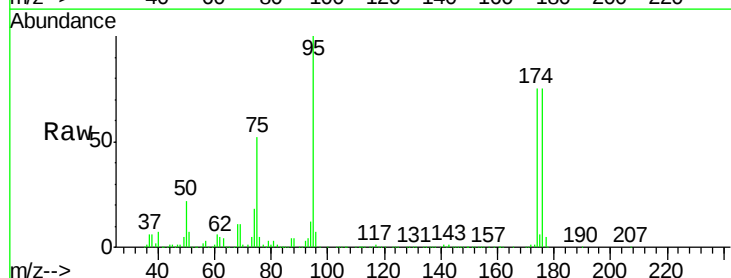
Tgt Ion: 75 Resp: 81616

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.1 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

