

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020119\
 Data File : VX007339.D
 Acq On : 01 Feb 2019 16:26
 Operator : JC/SP
 Sample : K1296-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-RB01-20190129

Quant Time: Feb 02 03:18:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	512965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	786937	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	752145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	366887	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	272597	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
35) Dibromofluoromethane	5.50	113	246599	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
50) Toluene-d8	8.71	98	947886	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
62) 4-Bromofluorobenzene	11.13	95	341962	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	

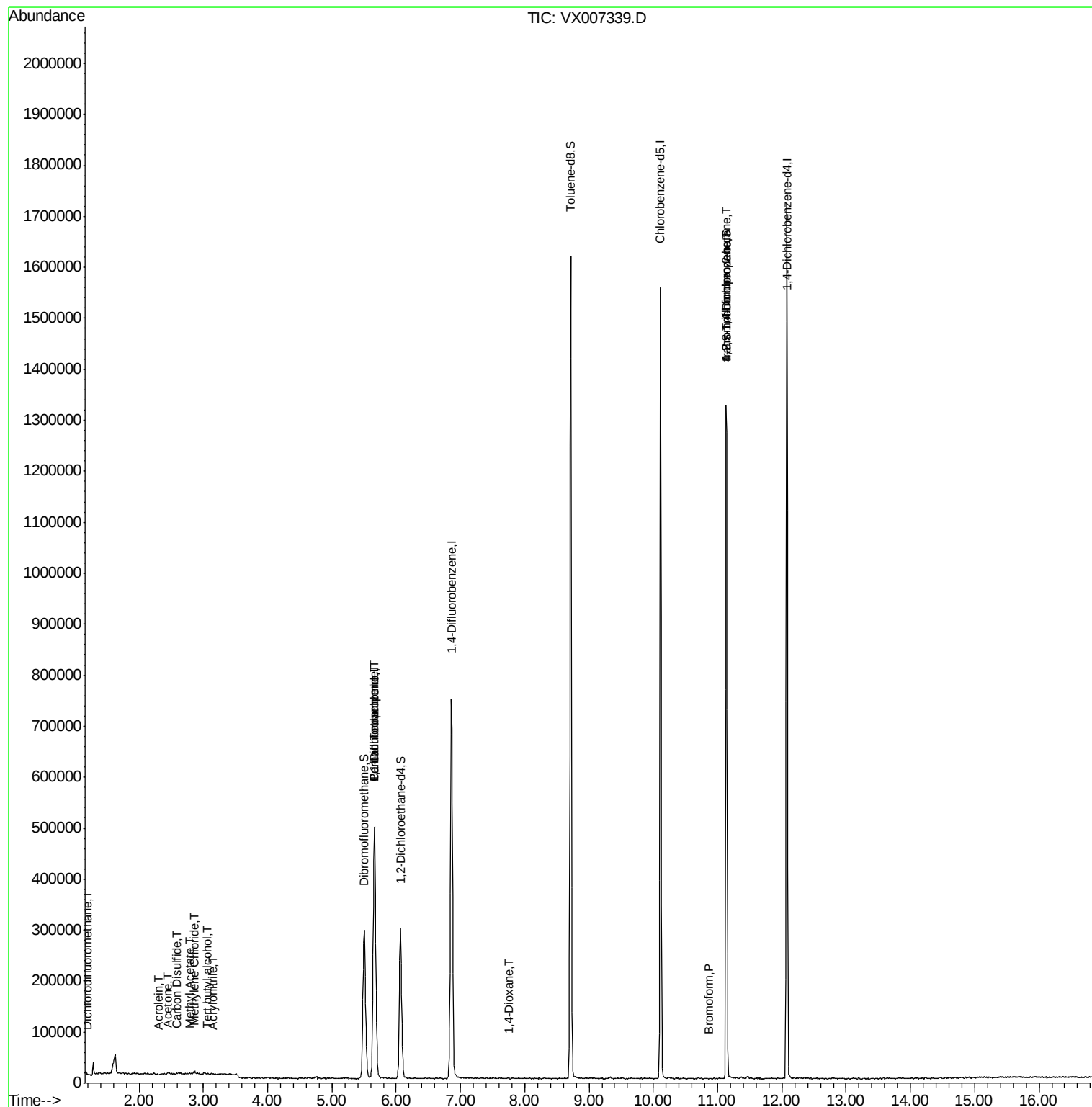
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	333	0.230	ug/l #	68
5) Bromomethane	1.64	94	1548	Below Cal	#	66
11) Tert butyl alcohol	3.06	59	894	0.793	ug/l #	13
13) Acrolein	2.29	56	191	0.361	ug/l #	51
15) Acrylonitrile	3.15	53	750	0.269	ug/l #	32
16) Acetone	2.45	43	4736	1.899	ug/l #	88
17) Carbon Disulfide	2.57	76	1488	2.232	ug/l #	73
18) Methyl Acetate	2.78	43	2104	0.913	ug/l #	42
20) Methylene Chloride	2.86	84	3402	0.277	ug/l #	92
36) 1,1-Dichloropropene	5.67	75	32075	4.543	ug/l #	50
38) Carbon Tetrachloride	5.66	117	45057	6.578	ug/l #	17
49) 1,4-Dioxane	7.75	88	211	8.551	ug/l #	1
71) Bromoform	10.87	173	90	4.047	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	164178	23.006	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	164178	69.323	ug/l #	9

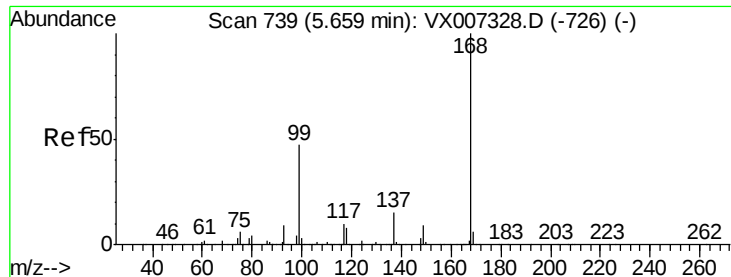
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007339.D

Acq: 01 Feb 2019 16:26

Instrument :

MSVOA_X

ClientSampleId :

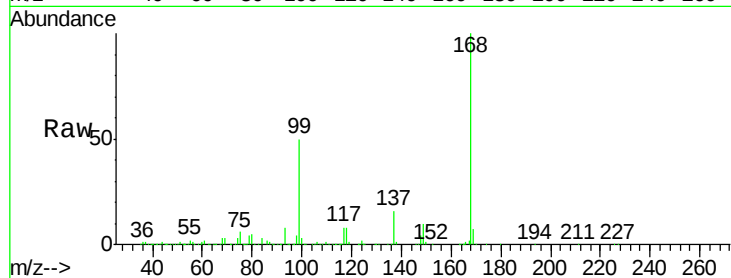
BP-TT-RB01-20190129

Tot Ion:168 Resp: 512965

Ion Ratio Lower Upper

168 100

99 49.9 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

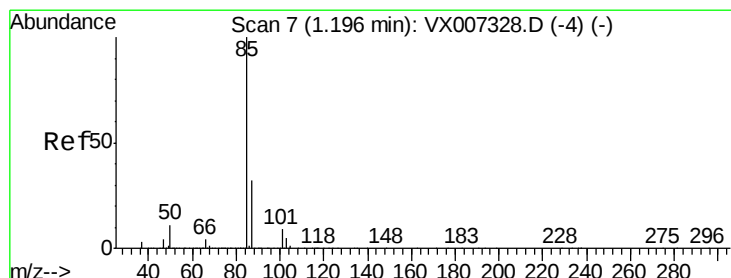
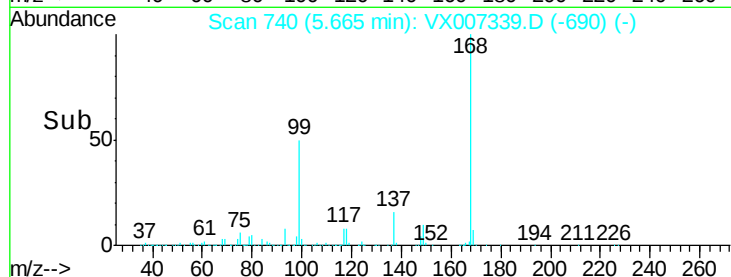
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.230 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007339.D

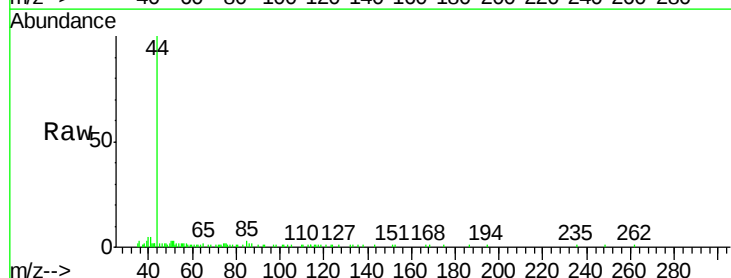
Acq: 01 Feb 2019 16:26

Tgt Ion: 85 Resp: 333

Ion Ratio Lower Upper

85 100

87 49.3 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300

250

200

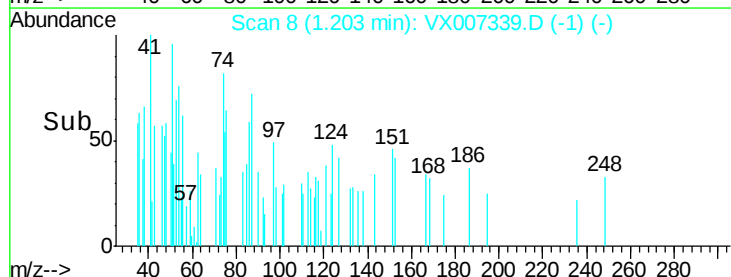
150

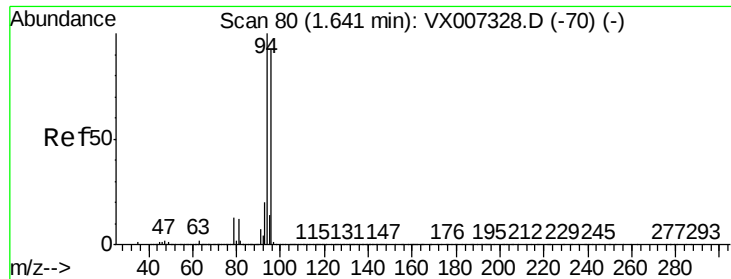
100

50

0

Time--> 1.16 1.18 1.20 1.22





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX007339.D

Acq: 01 Feb 2019 16:26

Instrument :

MSVOA_X

ClientSampleId :

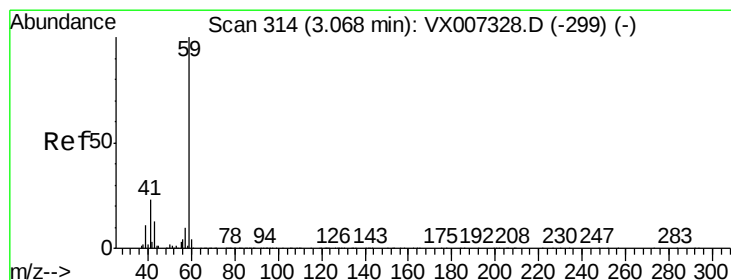
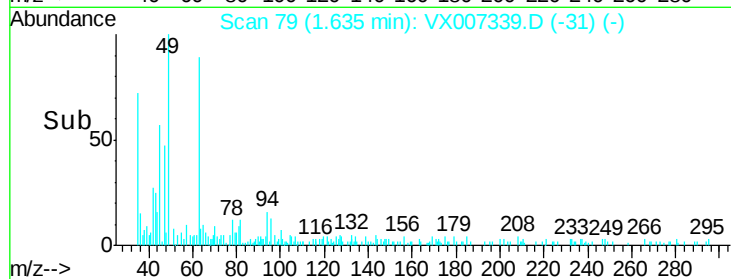
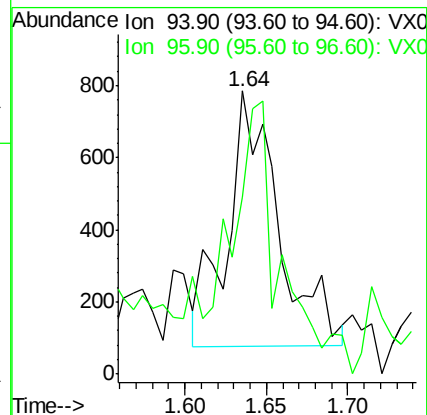
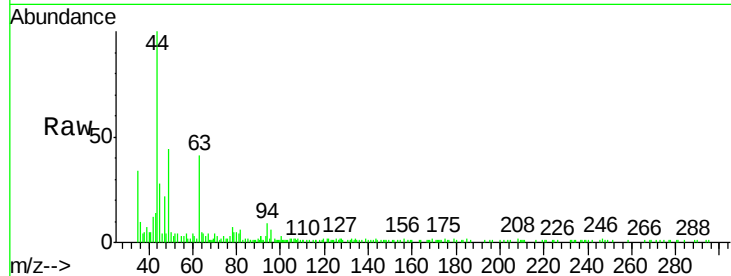
BP-TT-RB01-20190129

Tot Ion: 94 Resp: 1548

Ion Ratio Lower Upper

94 100

96 59.6 73.9 110.9#



#11

Tert butyl alcohol

Concen: 0.793 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX007339.D

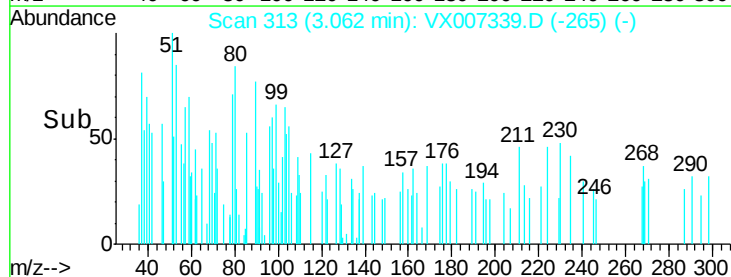
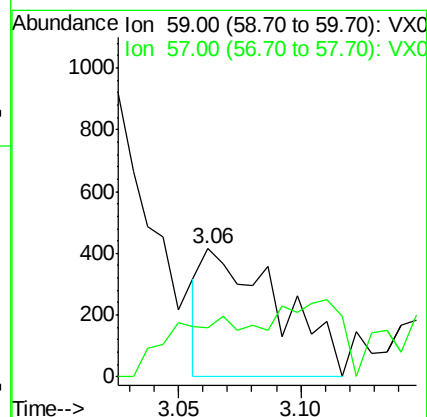
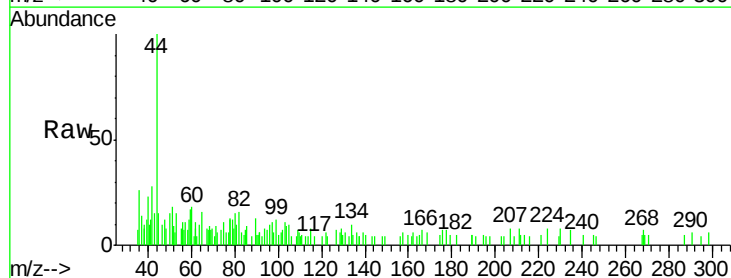
Acq: 01 Feb 2019 16:26

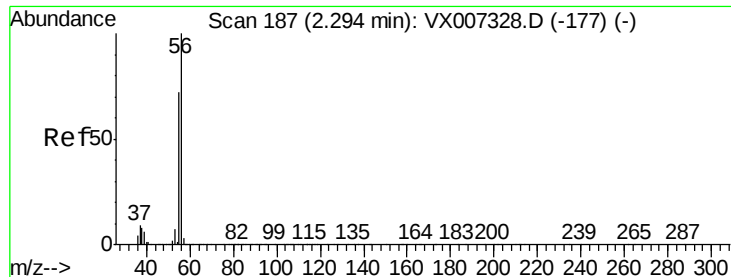
Tgt Ion: 59 Resp: 894

Ion Ratio Lower Upper

59 100

57 42.4 8.1 12.1#





#13

Acrolein

Concen: 0.361 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX007339.D

Acq: 01 Feb 2019 16:26

Instrument :

MSVOA_X

ClientSampleId :

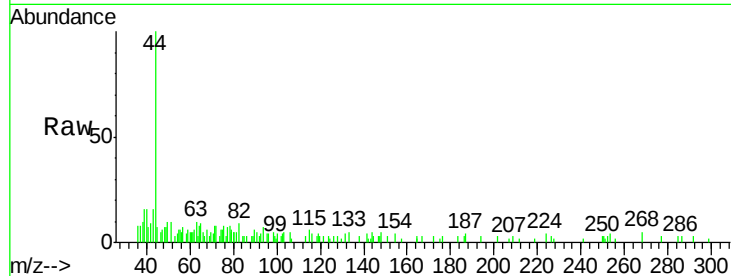
BP-TT-RB01-20190129

Tot Ion: 56 Resp: 191

Ion Ratio Lower Upper

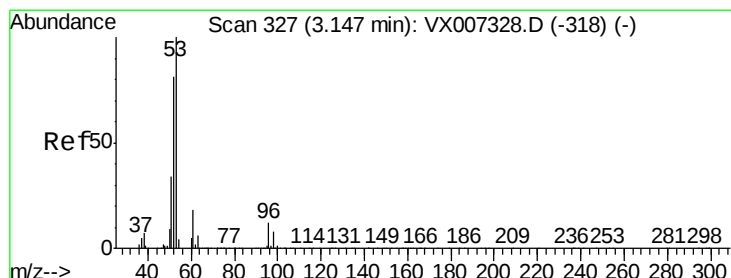
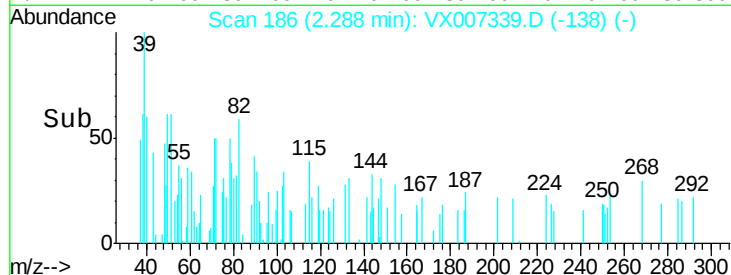
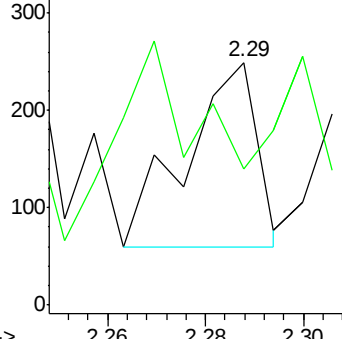
56 100

55 30.9 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.269 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX007339.D

Acq: 01 Feb 2019 16:26

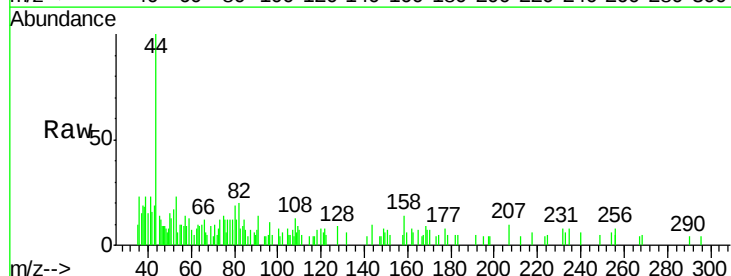
Tgt Ion: 53 Resp: 750

Ion Ratio Lower Upper

53 100

52 29.1 66.4 99.6#

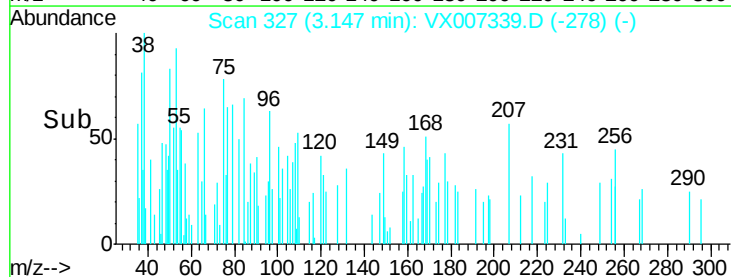
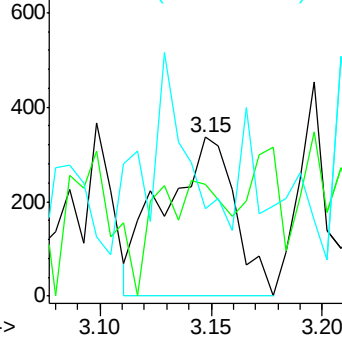
51 86.8 28.4 42.6#

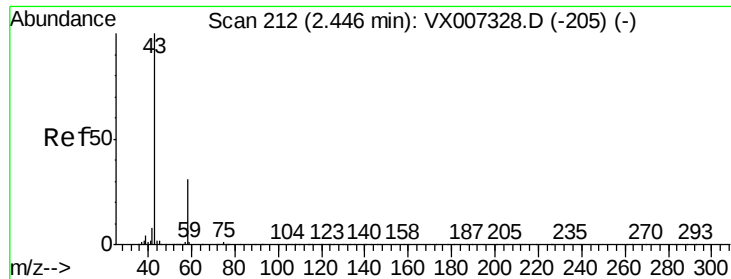


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 1.899 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007339.D

Acq: 01 Feb 2019 16:26

Instrument :

MSVOA_X

ClientSampleId :

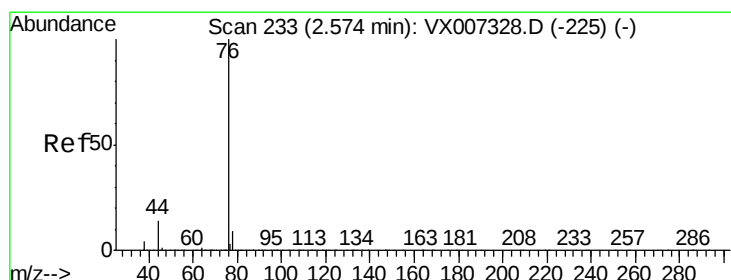
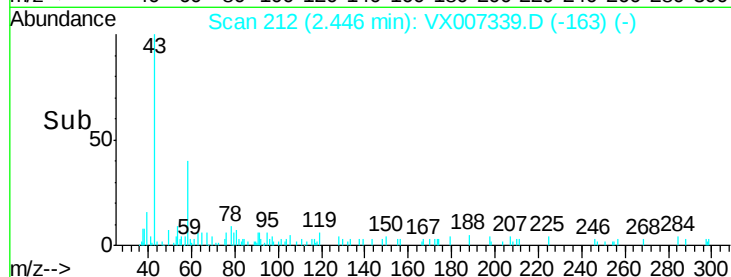
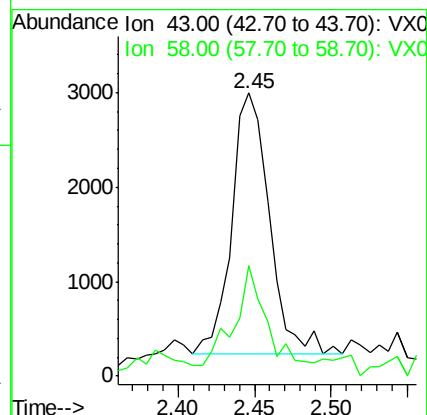
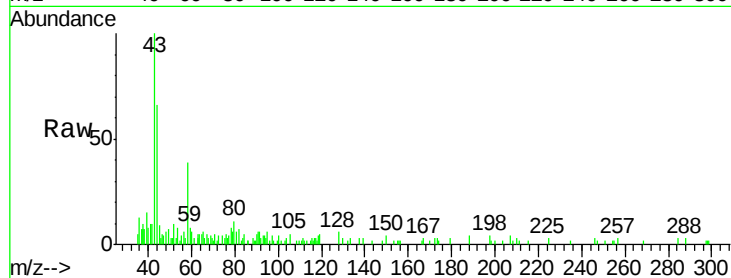
BP-TT-RB01-20190129

Tot Ion: 43 Resp: 4736

Ion Ratio Lower Upper

43 100

58 38.0 24.9 37.3#



#17

Carbon Disulfide

Concen: 2.232 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007339.D

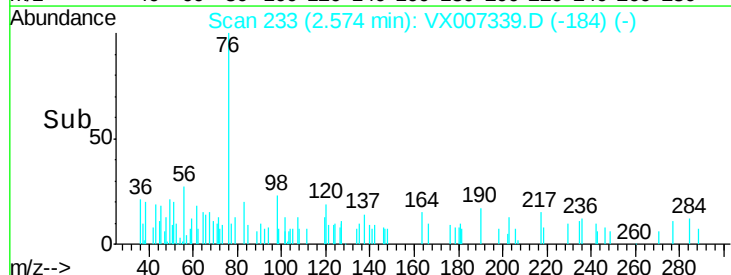
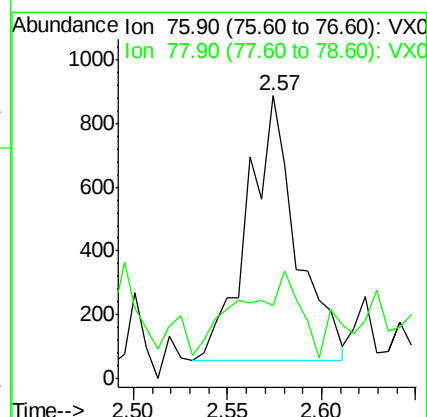
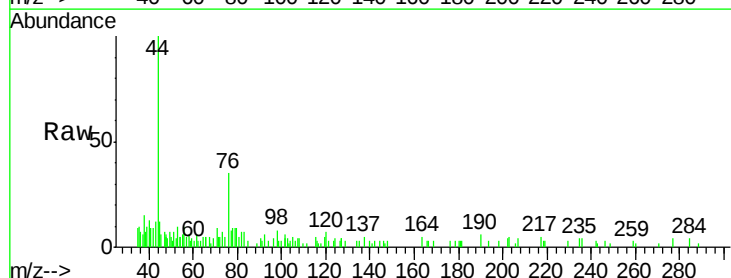
Acq: 01 Feb 2019 16:26

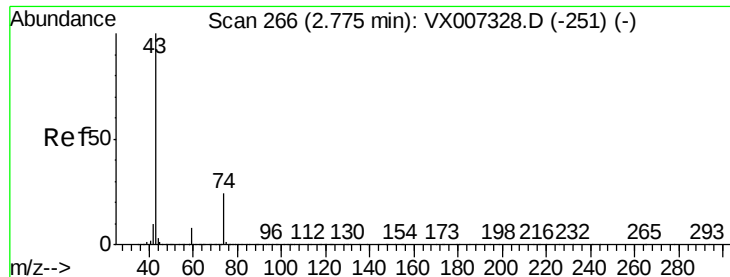
Tgt Ion: 76 Resp: 1488

Ion Ratio Lower Upper

76 100

78 18.7 7.1 10.7#

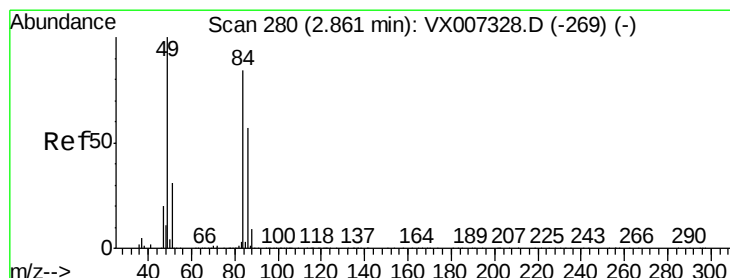
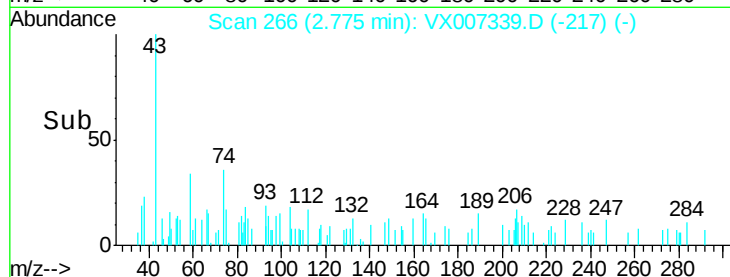
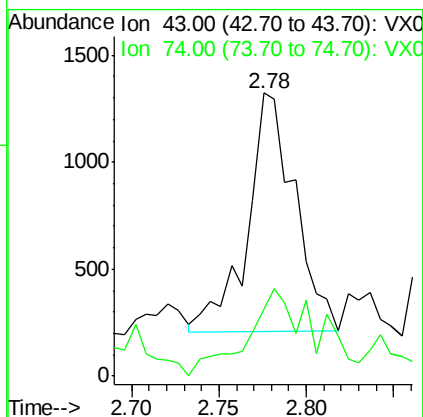
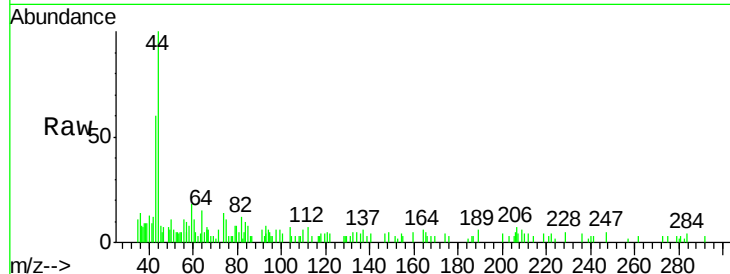




#18
Methyl Acetate
Concen: 0.913 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX007339.D
Acq: 01 Feb 2019 16:26

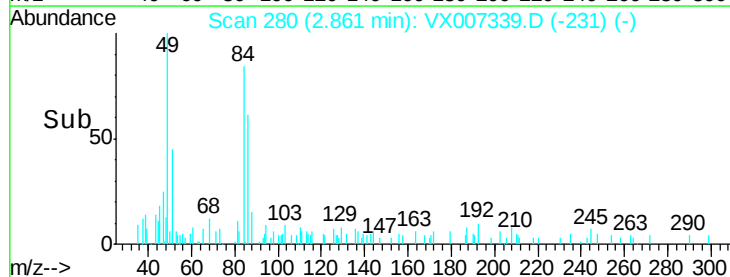
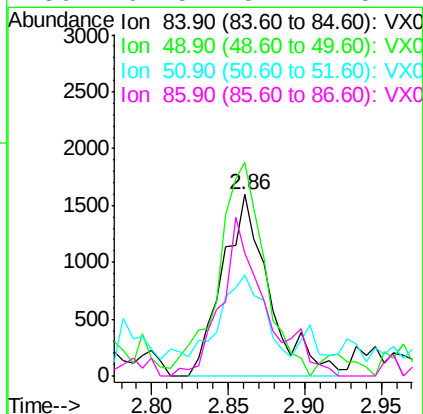
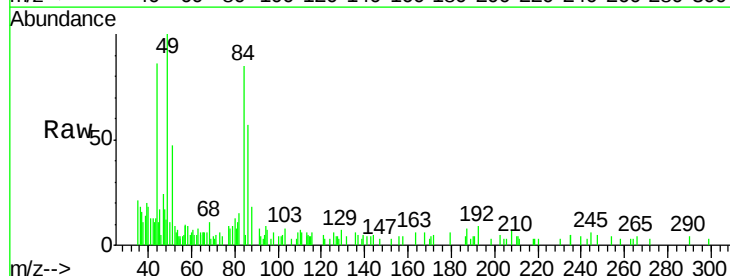
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-RB01-20190129

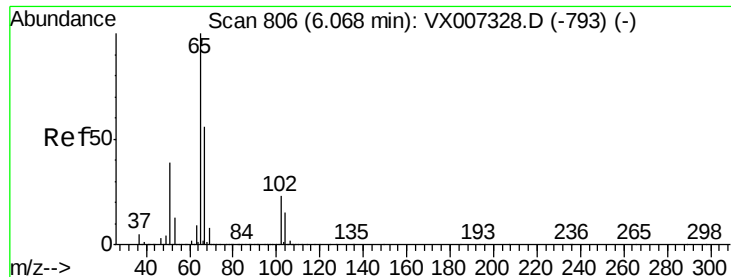
Tot Ion: 43 Resp: 2104
Ion Ratio Lower Upper
43 100
74 52.9 19.4 29.2#



#20
Methylene Chloride
Concen: 0.277 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007339.D
Acq: 01 Feb 2019 16:26

Tgt Ion: 84 Resp: 3402
Ion Ratio Lower Upper
84 100
49 105.6 94.8 142.2
51 44.8 29.8 44.8#
86 67.5 54.1 81.1

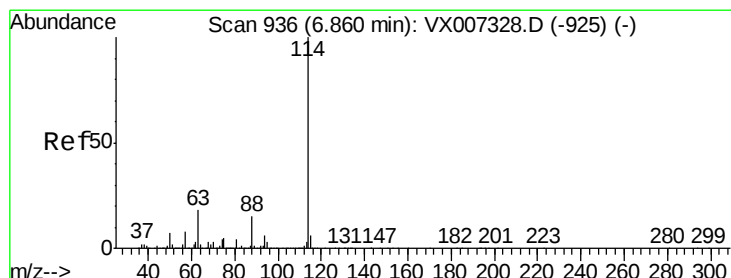
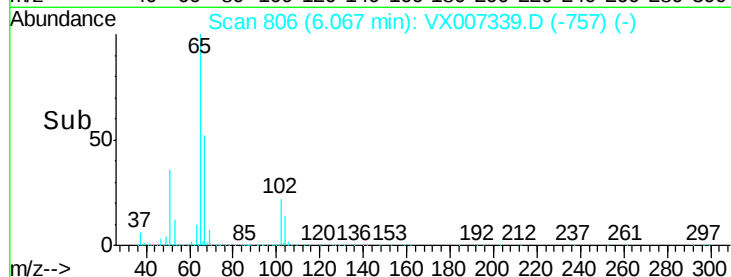
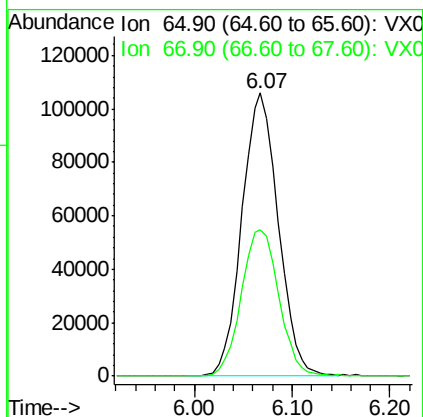
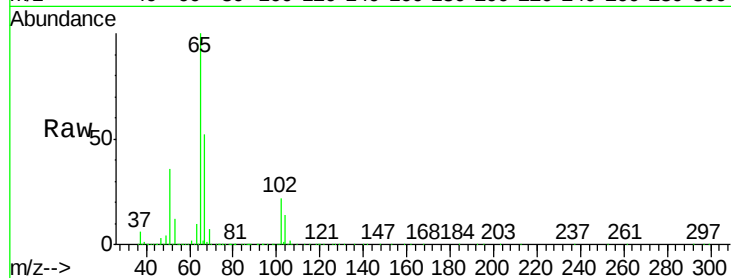




#33
 1,2-Dichloroethane-d4
 Concen: 50.066 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007339.D
 Acq: 01 Feb 2019 16:26

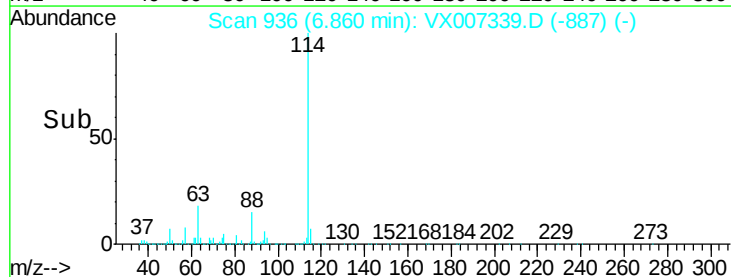
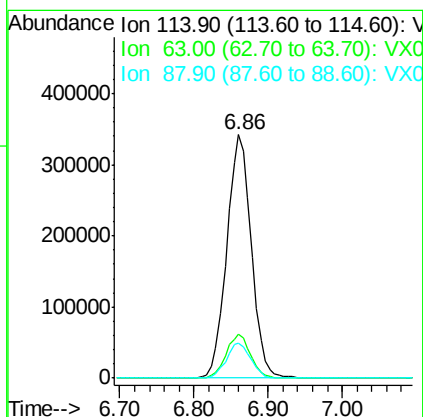
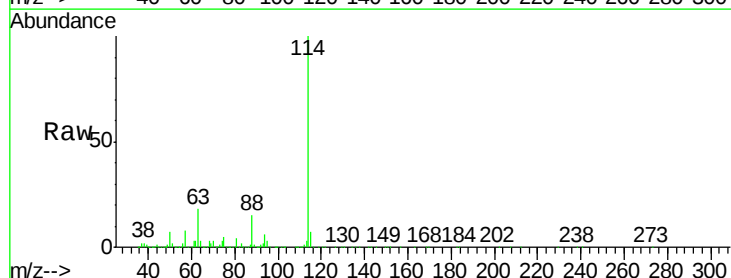
Instrument :
 MSVOA_X
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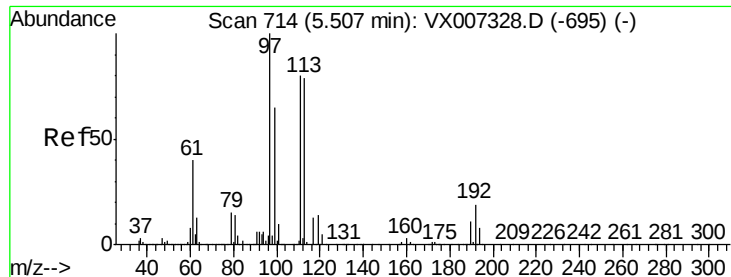
Tot Ion: 65 Resp: 272597
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007339.D
 Acq: 01 Feb 2019 16:26

Tgt Ion: 114 Resp: 786937
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.6
 88 14.5 0.0 29.6





#35

Dibromofluoromethane

Concen: 48.161 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007339.D

Acq: 01 Feb 2019 16:26

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-RB01-20190129

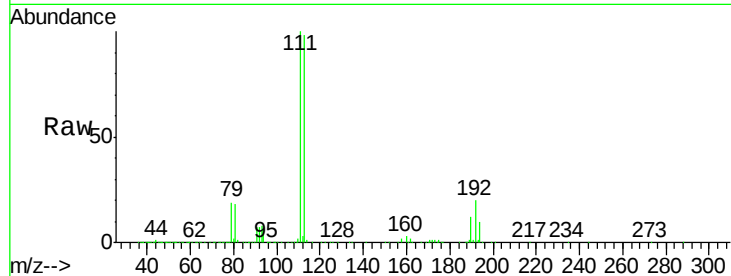
Tot Ion:113 Resp: 246599

Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.8

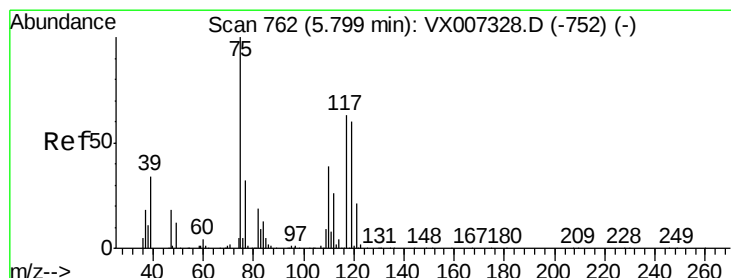
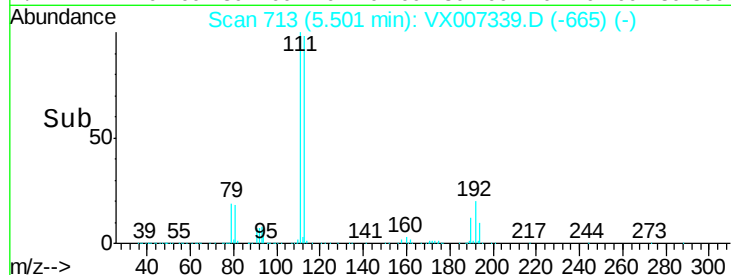
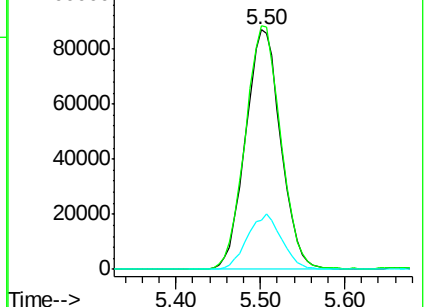
192 22.7 18.5 27.7



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: 4.543 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007339.D

Acq: 01 Feb 2019 16:26

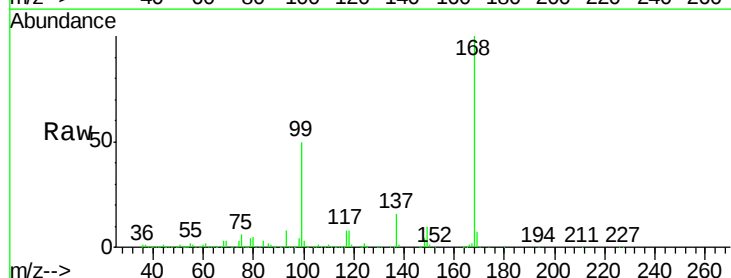
Tgt Ion: 75 Resp: 32075

Ion Ratio Lower Upper

75 100

110 11.3 20.0 59.9#

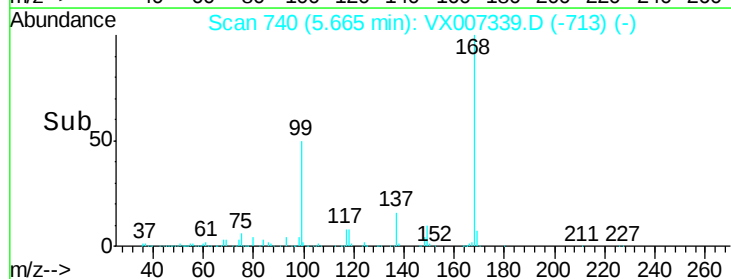
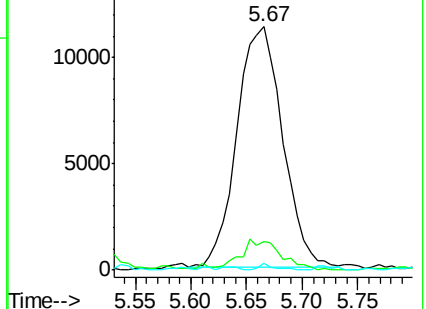
77 0.8 24.7 37.1#

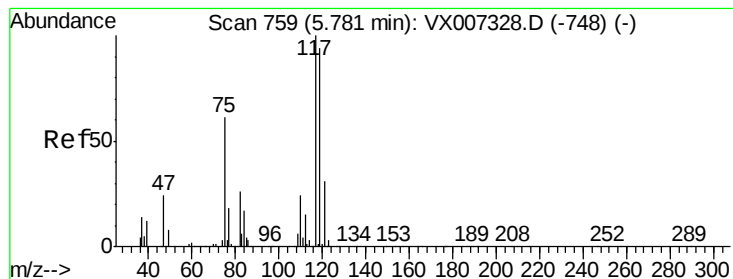


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.578 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007339.D

Acq: 01 Feb 2019 16:26

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-RB01-20190129

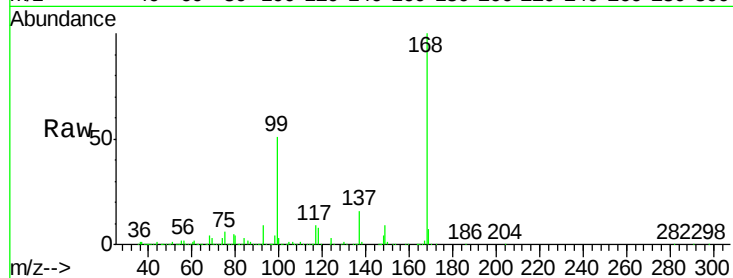
Tot Ion:117 Resp: 45057

Ion Ratio Lower Upper

117 100

119 5.4 75.3 112.9#

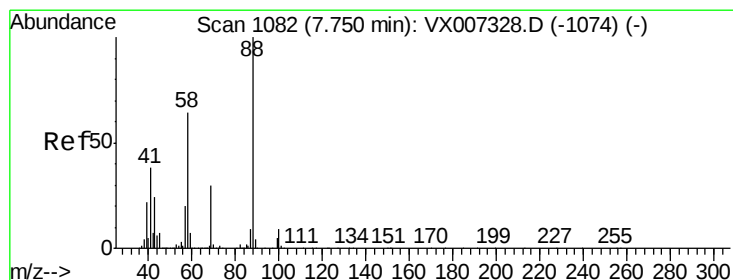
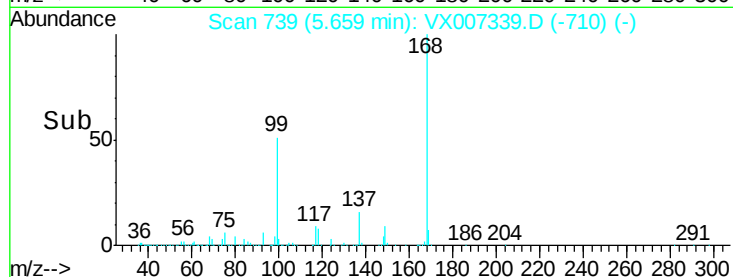
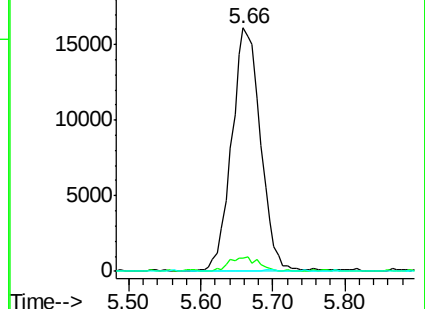
121 0.0 25.0 37.4#



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: 8.551 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007339.D

Acq: 01 Feb 2019 16:26

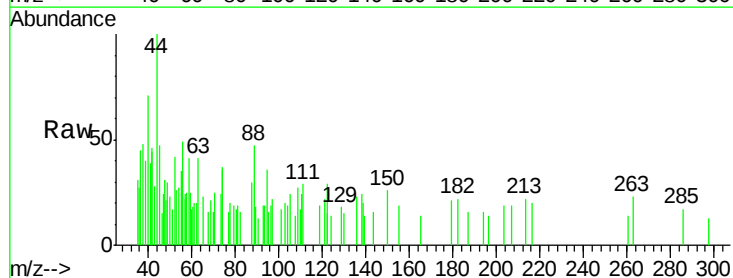
Tgt Ion: 88 Resp: 211

Ion Ratio Lower Upper

88 100

43 156.4 24.2 36.4#

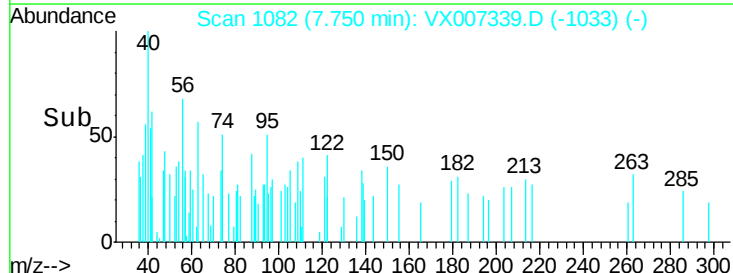
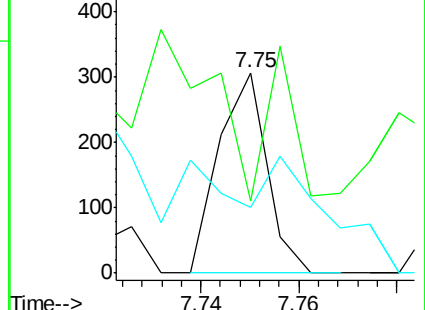
58 0.0 53.0 79.4#

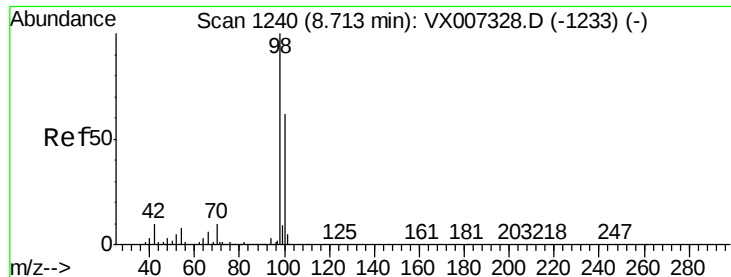


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.896 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007339.D

Acq: 01 Feb 2019 16:26

Instrument :

MSVOA_X

ClientSampleId :

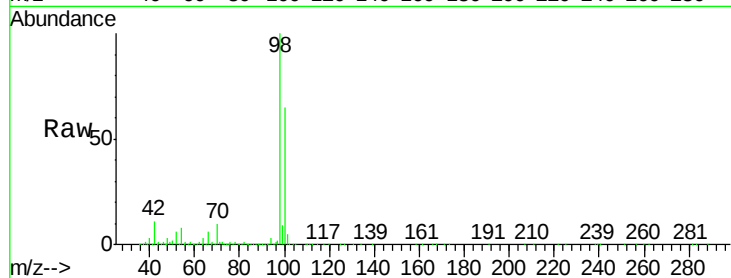
BP-TT-RB01-20190129

Tot Ion: 98 Resp: 947886

Ion Ratio Lower Upper

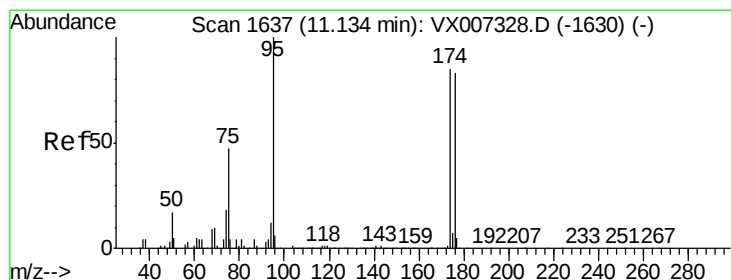
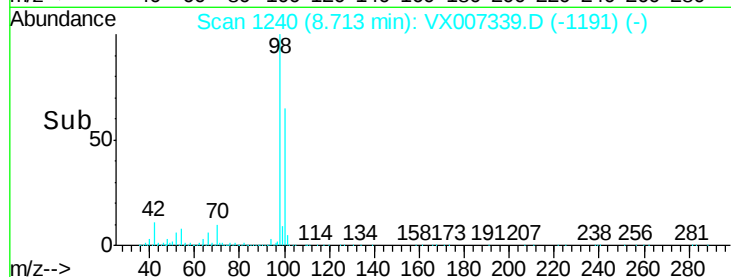
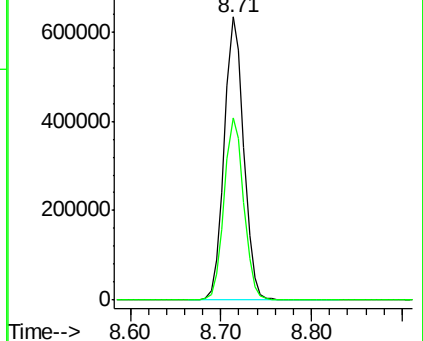
98 100

100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 49.303 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007339.D

Acq: 01 Feb 2019 16:26

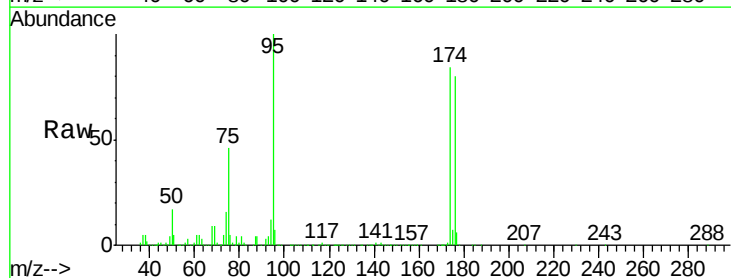
Tgt Ion: 95 Resp: 341962

Ion Ratio Lower Upper

95 100

174 92.9 0.0 189.2

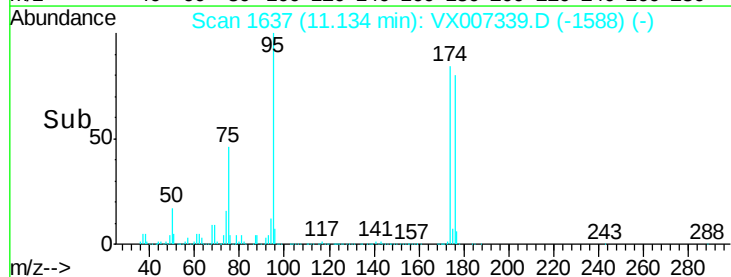
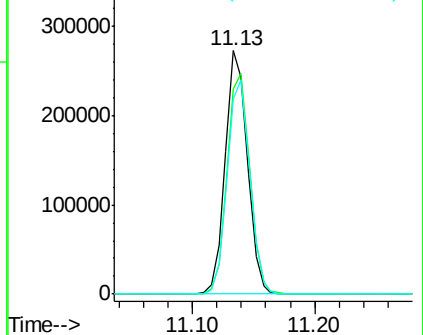
176 89.6 0.0 186.2

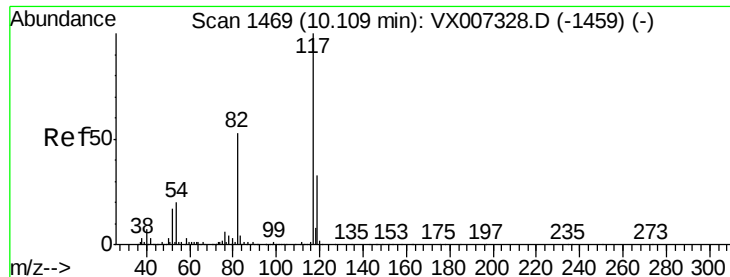


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: VX007339.D

Acq: 01 Feb 2019 16:26

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-RB01-20190129

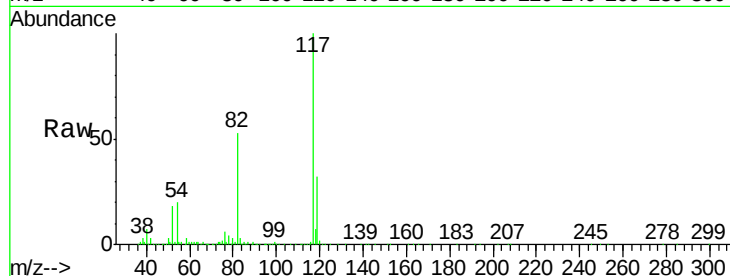
Tot Ion:117 Resp: 752145

Ion Ratio Lower Upper

117 100

82 53.1 42.1 63.1

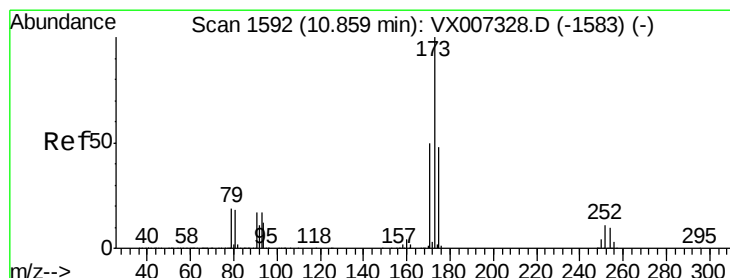
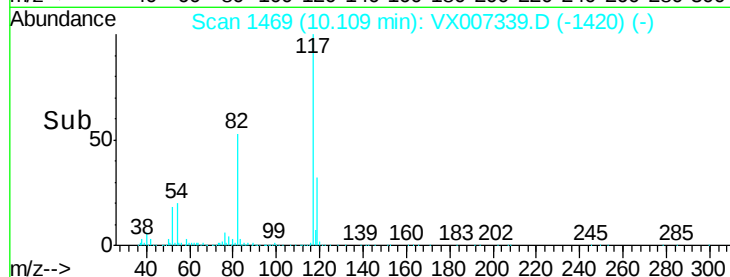
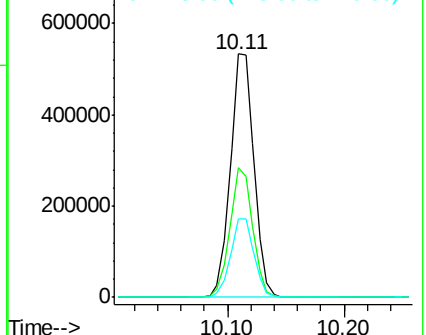
119 32.3 26.5 39.7



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



#71

Bromoform

Concen: 4.047 ug/l

RT: 10.87 min Scan# 1593

Delta R.T. 0.01 min

Lab File: VX007339.D

Acq: 01 Feb 2019 16:26

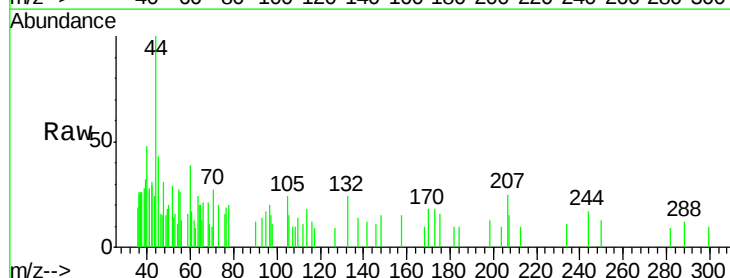
Tgt Ion:173 Resp: 90

Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

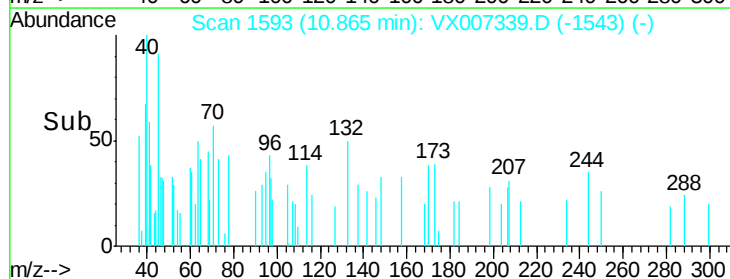
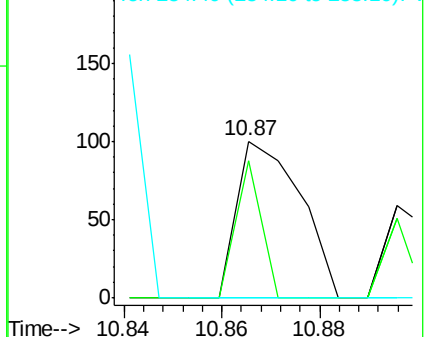
254 0.0 0.2 0.2#

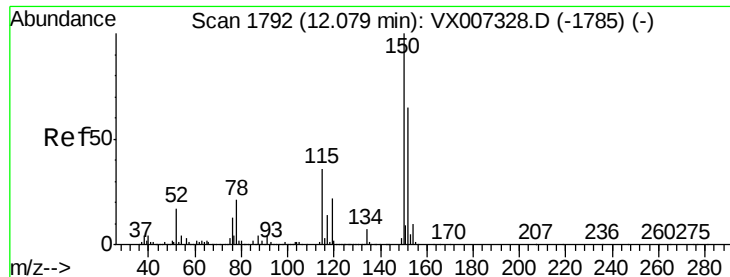


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



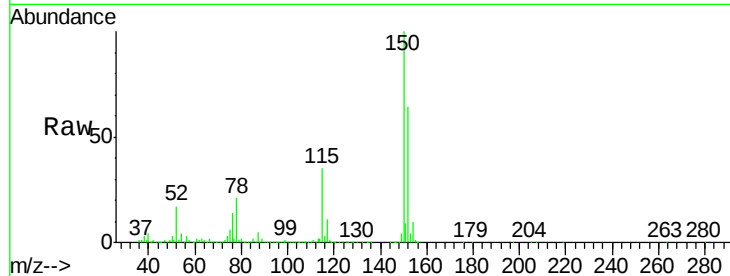


#72

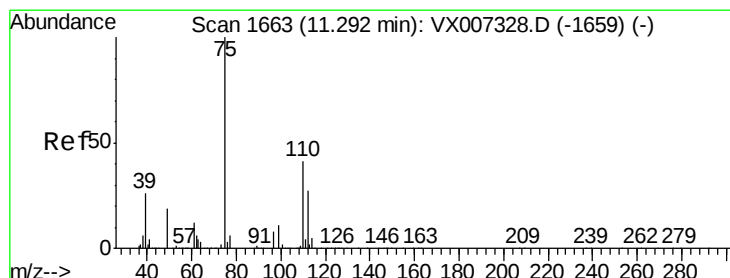
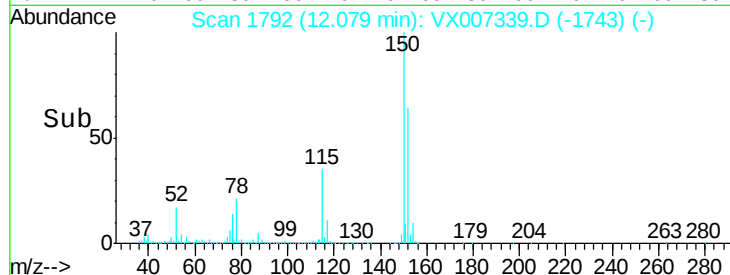
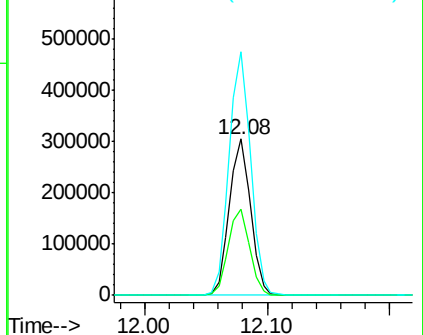
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007339.D
Acq: 01 Feb 2019 16:26

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-RB01-20190129

Tot Ion:152 Resp: 366887
Ion Ratio Lower Upper
152 100
115 55.5 38.0 114.0
150 156.8 0.0 346.4



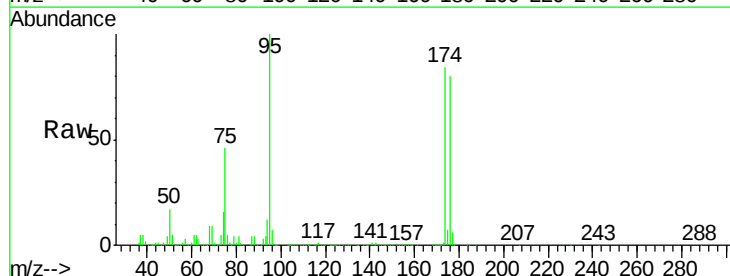
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



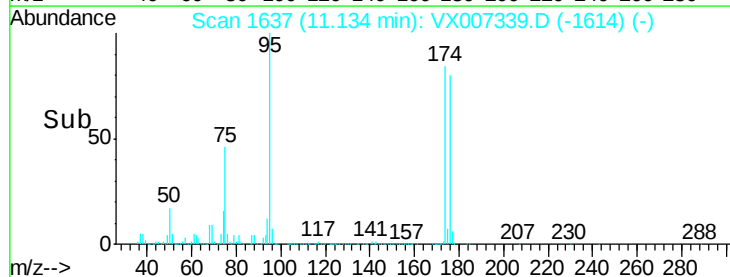
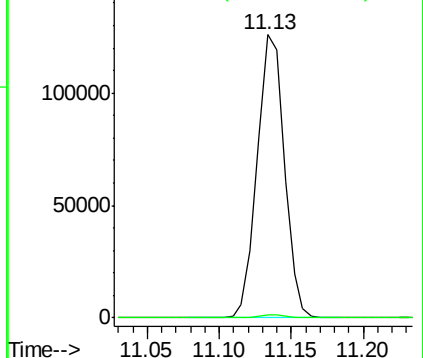
#76

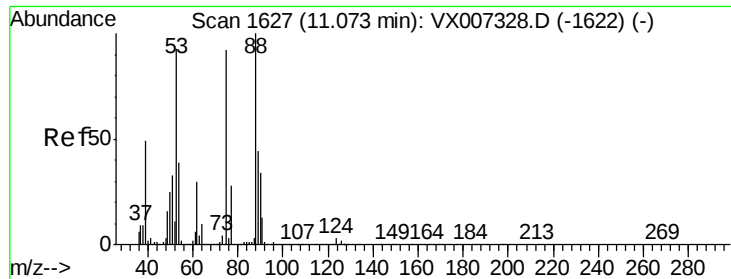
1,2,3-Trichloropropane
Concen: 23.006 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007339.D
Acq: 01 Feb 2019 16:26

Tgt Ion: 75 Resp: 164178
Ion Ratio Lower Upper
75 100
77 1.1 23.0 69.0#



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: 69.323 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007339.D

Acq: 01 Feb 2019 16:26

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-RB01-20190129

Tot Ion: 75 Resp: 164178

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.0 41.4 62.0#

