

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032119\
 Data File : VX008289.D
 Acq On : 21 Mar 2019 14:33
 Operator : JC/SP
 Sample : K1985-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW308I-20190317

Quant Time: Mar 22 08:43:22 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	301745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	490728	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	417452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	170121	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	209694	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	
35) Dibromofluoromethane	5.50	113	158584	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
50) Toluene-d8	8.71	98	599225	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
62) 4-Bromofluorobenzene	11.13	95	193802	45.19	ug/l	0.00
Spiked Amount			Recovery	=	90.38%	

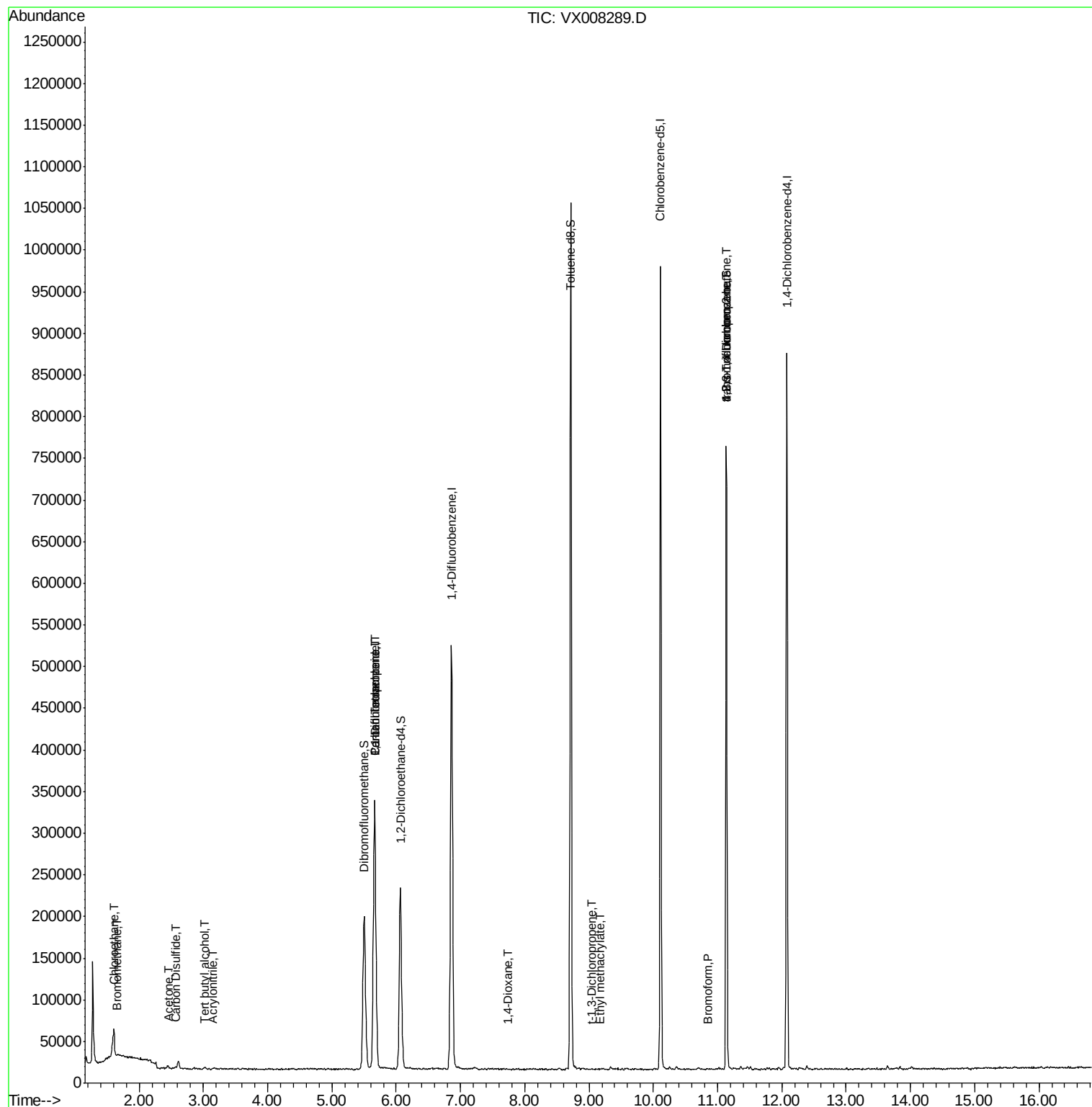
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	791	0.203	ug/l #	67
6) Chloroethane	1.61	64	42285	14.735	ug/l #	51
11) Tert butyl alcohol	3.01	59	1115	1.146	ug/l #	79
13) Acrolein	2.29	56	101	Below Cal	#	1
15) Acrylonitrile	3.15	53	866	0.337	ug/l #	21
16) Acetone	2.45	43	3920	1.521	ug/l	97
17) Carbon Disulfide	2.57	76	3088	0.930	ug/l #	83
36) 1,1-Dichloropropene	5.67	75	24231	4.241	ug/l #	50
38) Carbon Tetrachloride	5.67	117	29535	5.802	ug/l #	16
49) 1,4-Dioxane	7.73	88	45	0.443	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	403	1.480	ug/l	93
56) Ethyl methacrylate	9.17	69	115	0.542	ug/l #	64
71) Bromoform	10.85	173	131	2.243	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	101376	21.187	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	101376	53.896	ug/l #	12

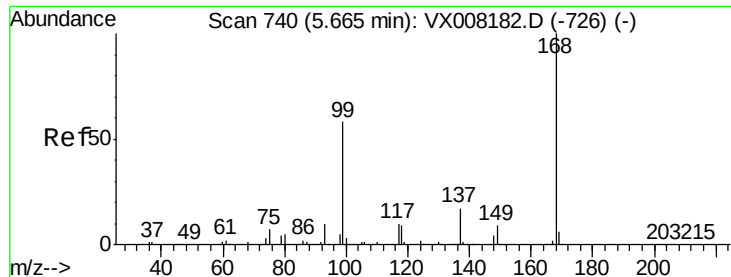
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008289.D

Acq: 21 Mar 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

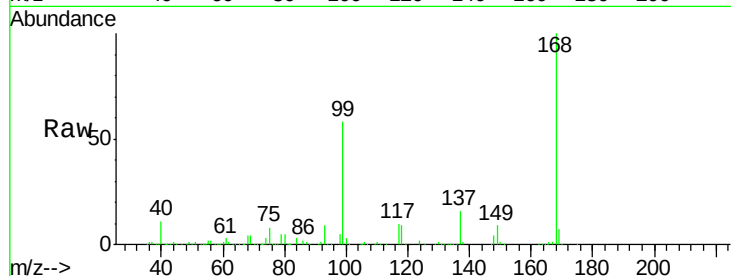
BPS1-TT-MW308I-20190317

Tot Ion:168 Resp: 301745

Ion Ratio Lower Upper

168 100

99 57.7 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

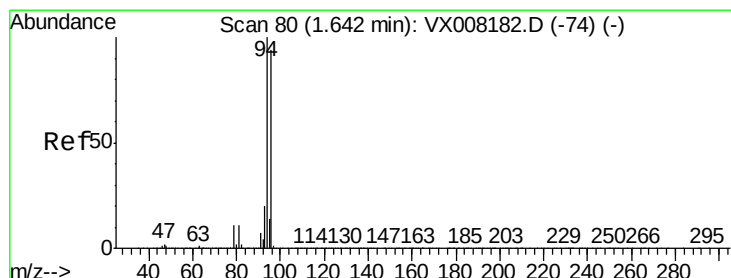
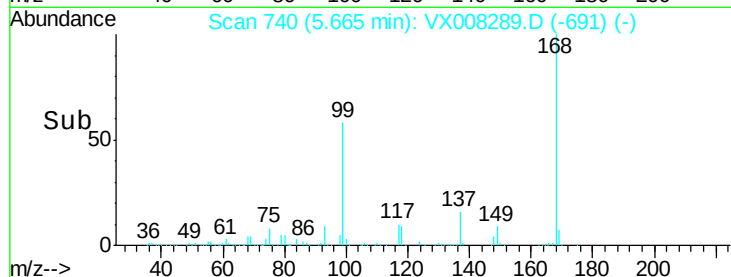
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.203 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX008289.D

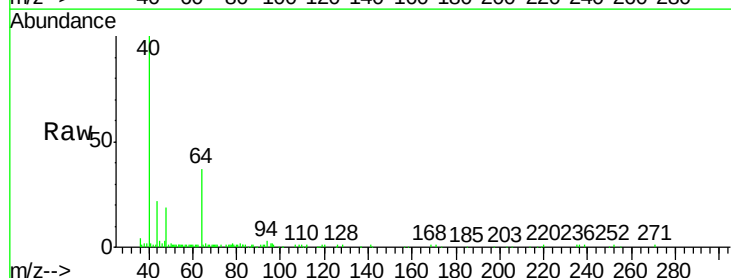
Acq: 21 Mar 2019 14:33

Tgt Ion: 94 Resp: 791

Ion Ratio Lower Upper

94 100

96 126.7 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

500

400

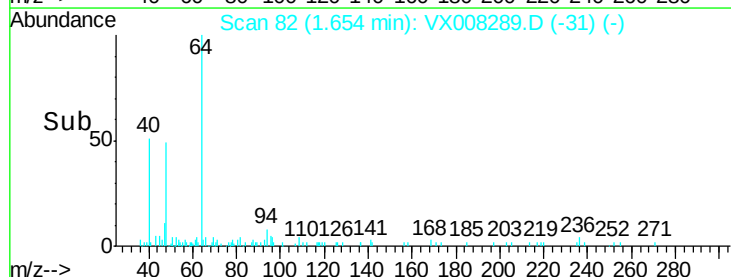
300

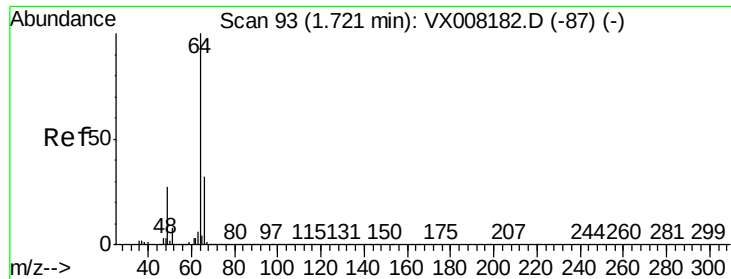
200

100

0

Time--> 1.60 1.65 1.70 1.75





#6

Chloroethane

Concen: 14.735 ug/l

RT: 1.61 min Scan# 75

Delta R.T. -0.11 min

Lab File: VX008289.D

Acq: 21 Mar 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

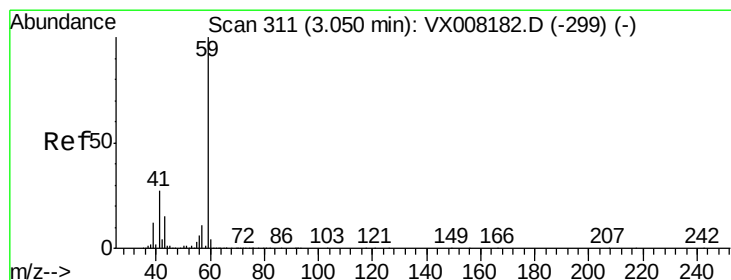
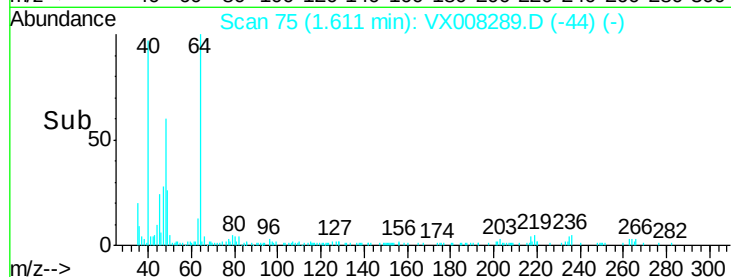
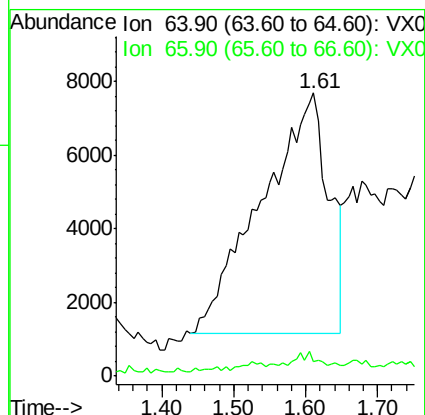
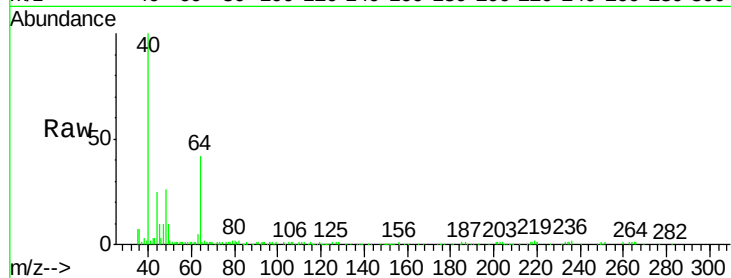
BPS1-TT-MW308I-20190317

Tot Ion: 64 Resp: 42285

Ion Ratio Lower Upper

64 100

66 4.2 25.2 37.8#



#11

Tert butyl alcohol

Concen: 1.146 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX008289.D

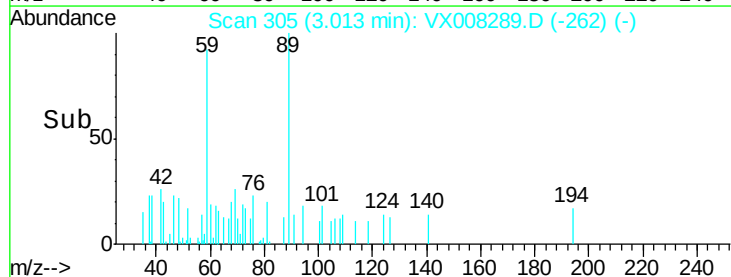
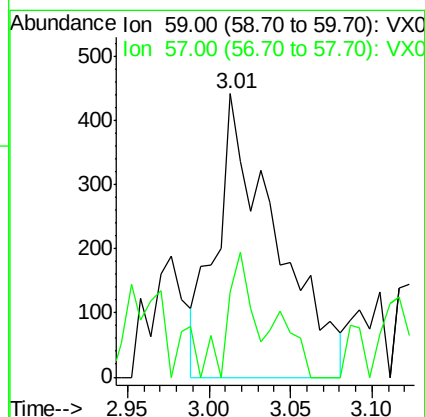
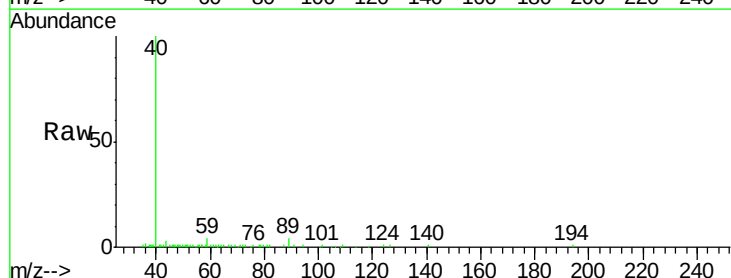
Acq: 21 Mar 2019 14:33

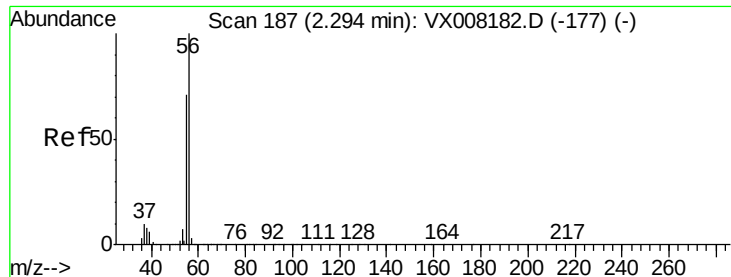
Tgt Ion: 59 Resp: 1115

Ion Ratio Lower Upper

59 100

57 18.1 8.2 12.2#





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX008289.D

Acq: 21 Mar 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

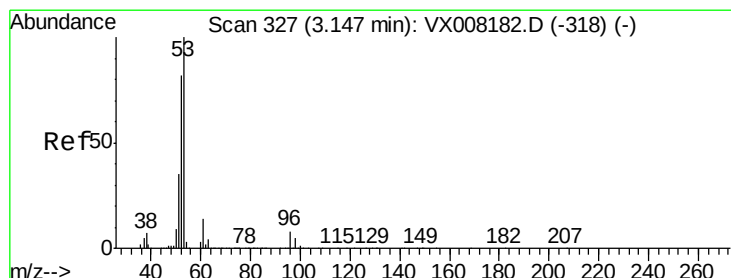
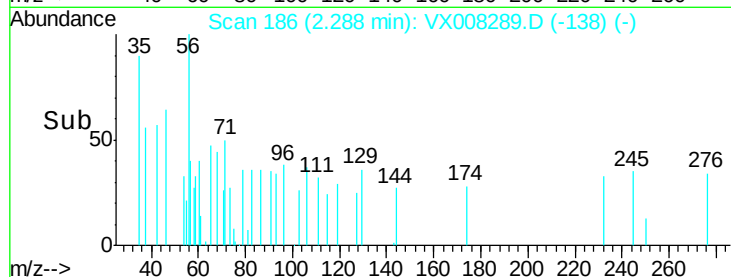
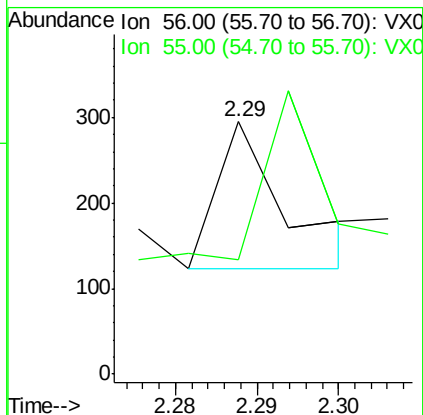
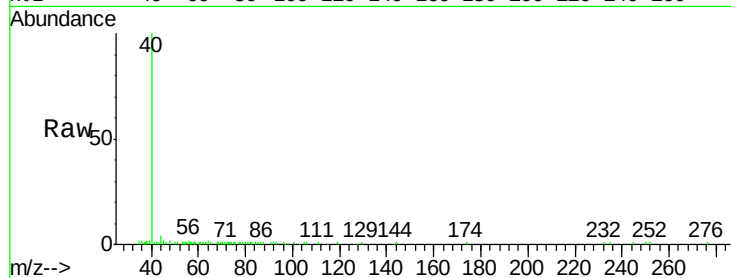
BPS1-TT-MW308I-20190317

Tot Ion: 56 Resp: 101

Ion Ratio Lower Upper

56 100

55 182.2 57.8 86.6#



#15

Acrylonitrile

Concen: 0.337 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX008289.D

Acq: 21 Mar 2019 14:33

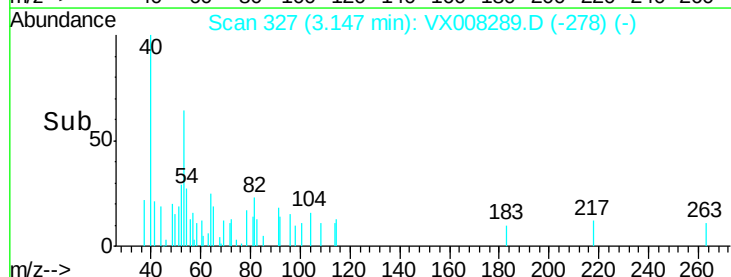
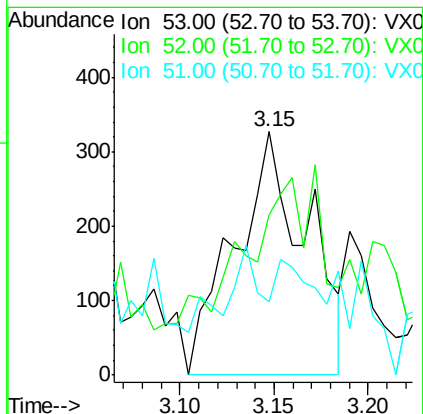
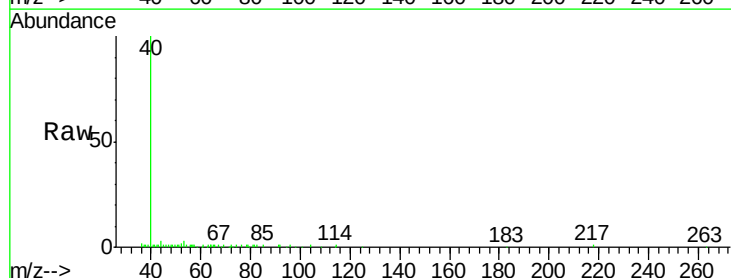
Tgt Ion: 53 Resp: 866

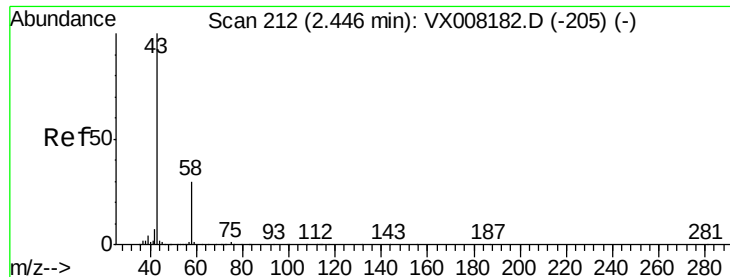
Ion Ratio Lower Upper

53 100

52 0.0 66.0 99.0#

51 7.4 28.0 42.0#





#16

Acetone

Concen: 1.521 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008289.D

Acq: 21 Mar 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

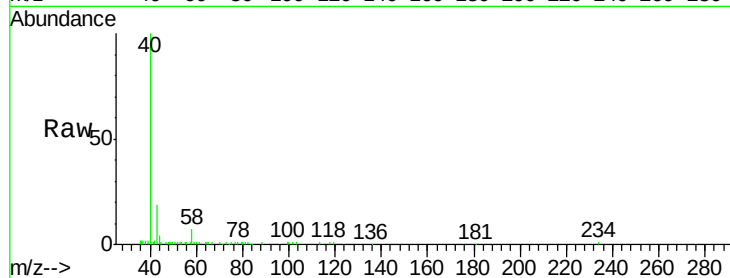
BPS1-TT-MW308I-20190317

Tot Ion: 43 Resp: 3920

Ion Ratio Lower Upper

43 100

58 33.3 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

2000

1500

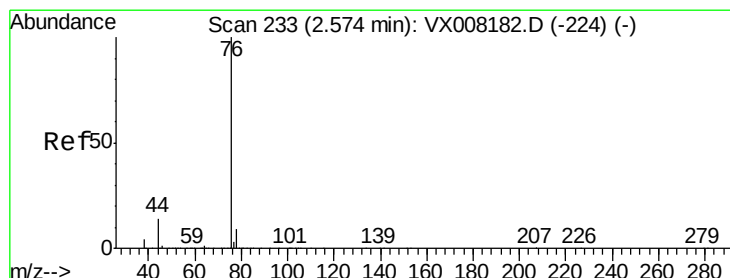
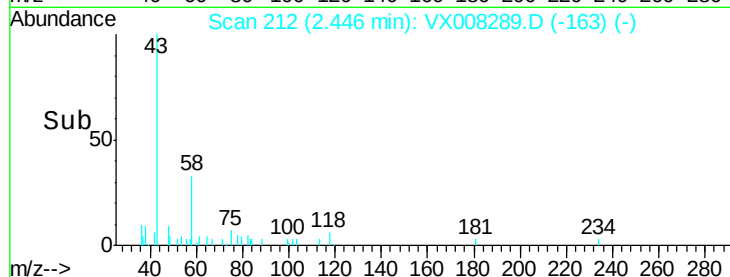
1000

500

0

2.35 2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: 0.930 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008289.D

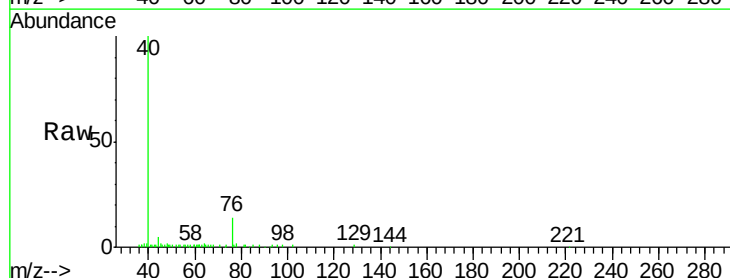
Acq: 21 Mar 2019 14:33

Tgt Ion: 76 Resp: 3088

Ion Ratio Lower Upper

76 100

78 15.2 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

1500

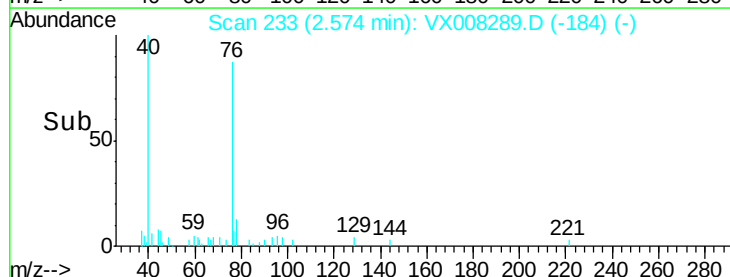
1000

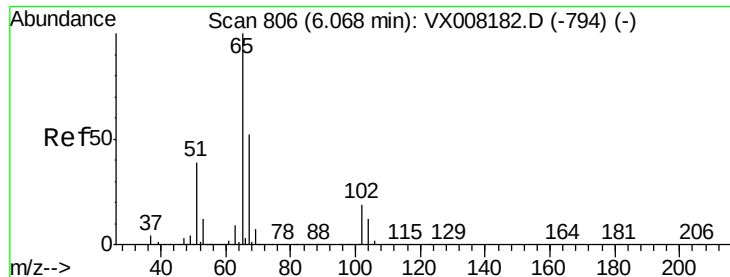
500

0

2.50 2.55 2.60 2.65 2.70

Time-->

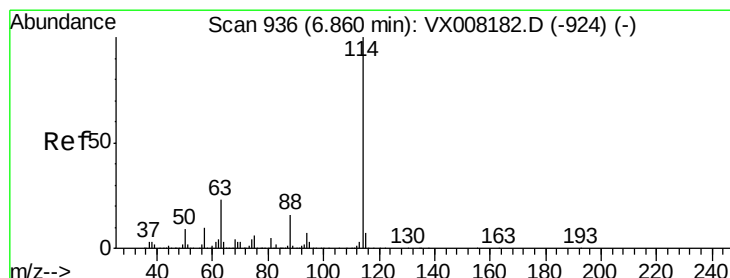
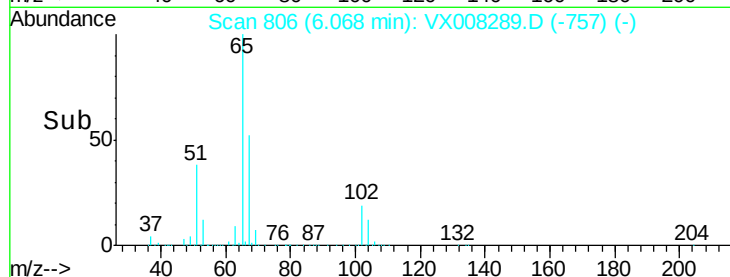
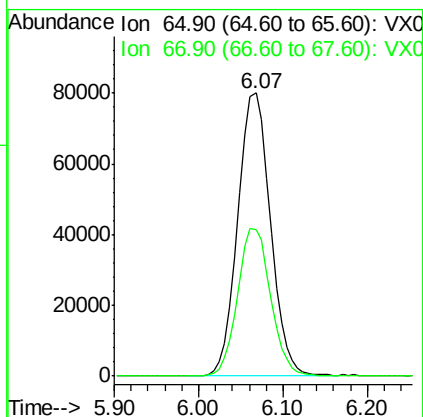
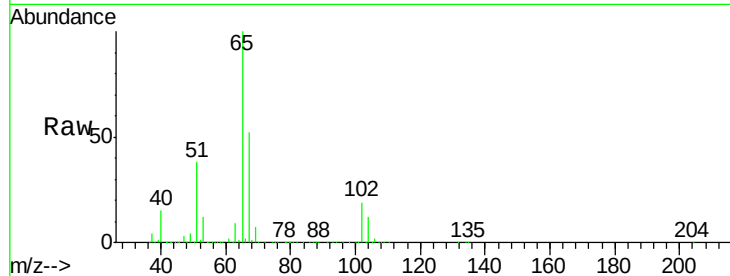




#33
 1,2-Dichloroethane-d4
 Concen: 46.142 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX008289.D
 Acq: 21 Mar 2019 14:33

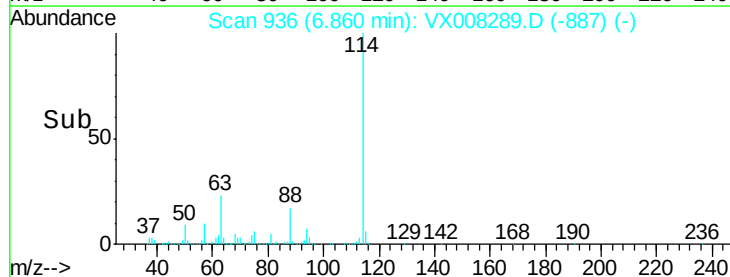
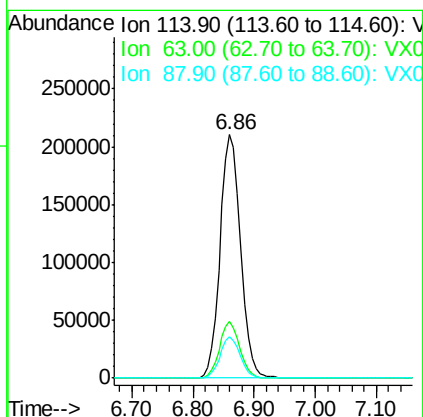
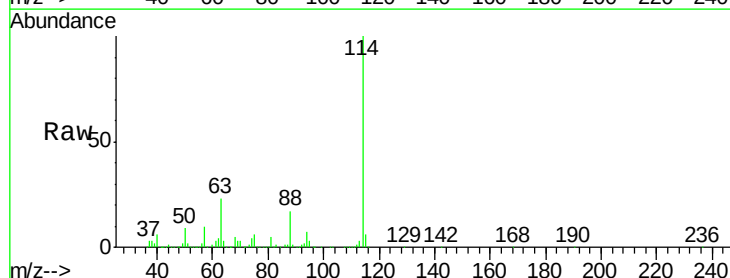
Instrument :
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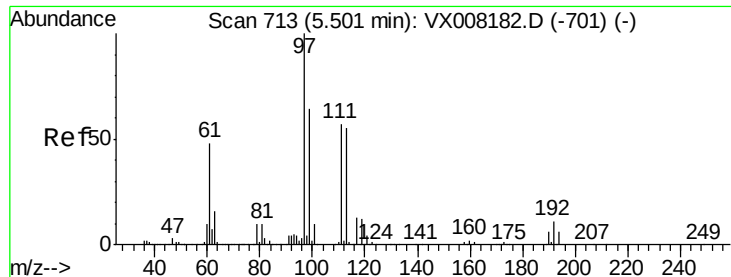
Tot Ion: 65 Resp: 209694
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008289.D
 Acq: 21 Mar 2019 14:33

Tgt Ion: 114 Resp: 490728
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 39.8
 88 16.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.274 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008289.D

Acq: 21 Mar 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW308I-20190317

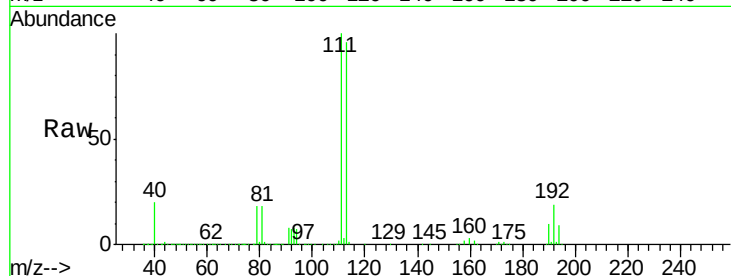
Tot Ion:113 Resp: 158584

Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

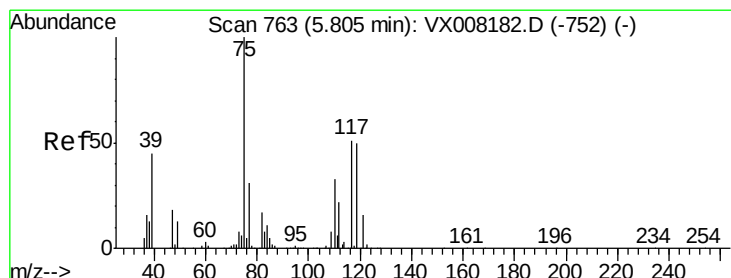
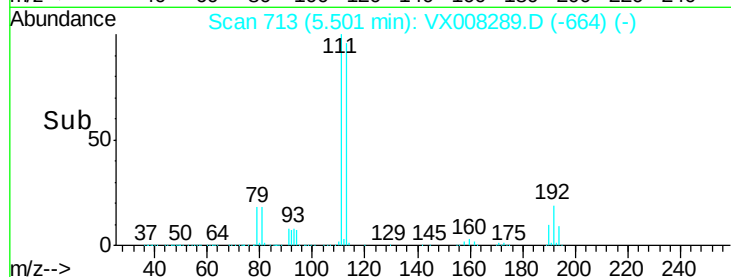
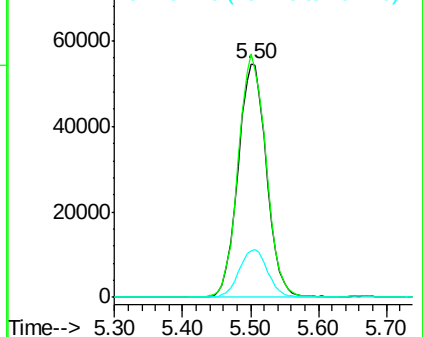
192 20.6 19.4 29.0



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: 4.241 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.14 min

Lab File: VX008289.D

Acq: 21 Mar 2019 14:33

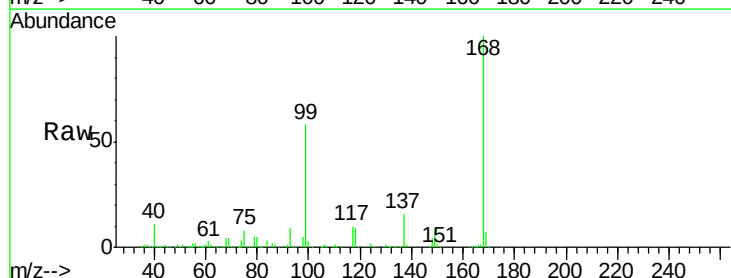
Tgt Ion: 75 Resp: 24231

Ion Ratio Lower Upper

75 100

110 10.0 18.4 55.0#

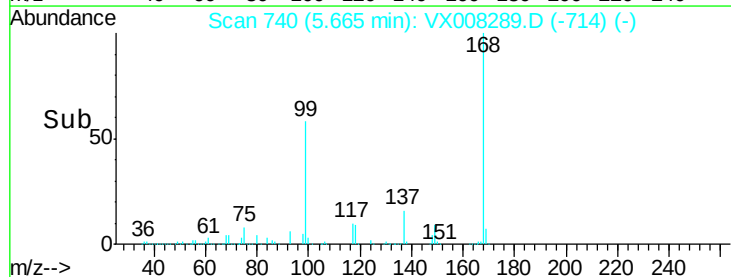
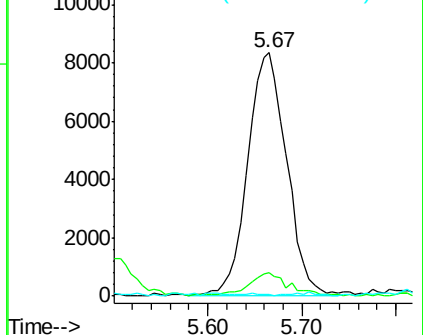
77 0.8 25.0 37.4#

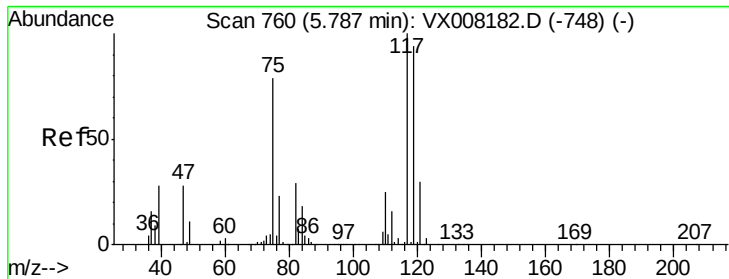


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

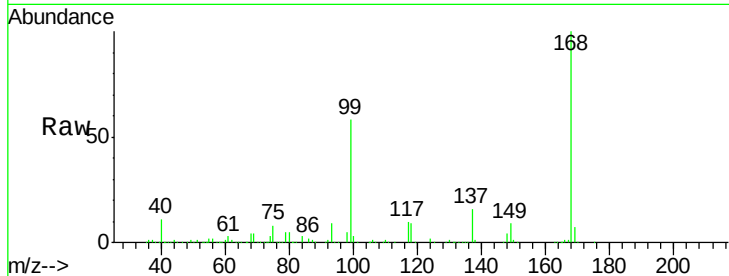




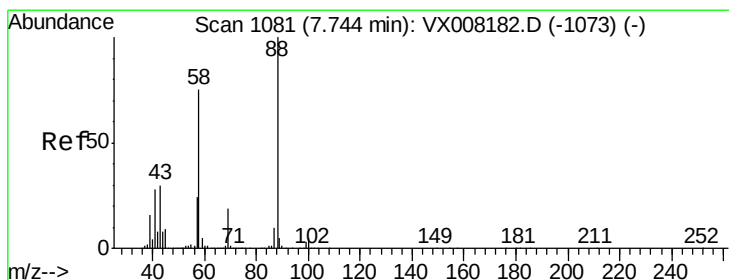
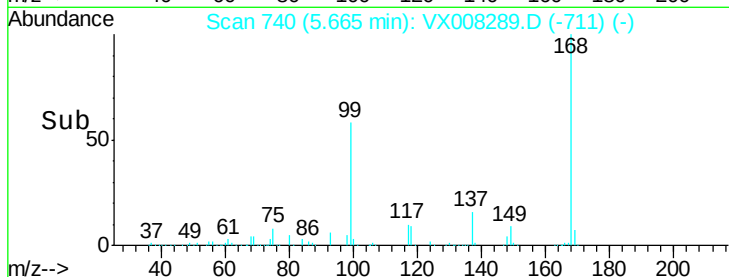
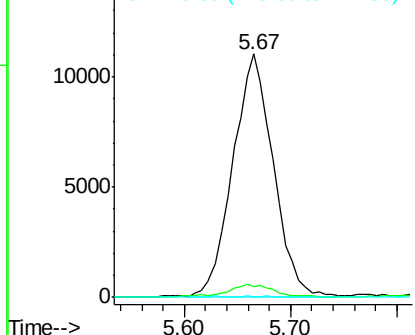
#38
Carbon Tetrachloride
Concen: 5.802 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX008289.D
Acq: 21 Mar 2019 14:33

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW308I-20190317

Tot Ion:117 Resp: 29535
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.2#
121 0.0 24.6 36.8#

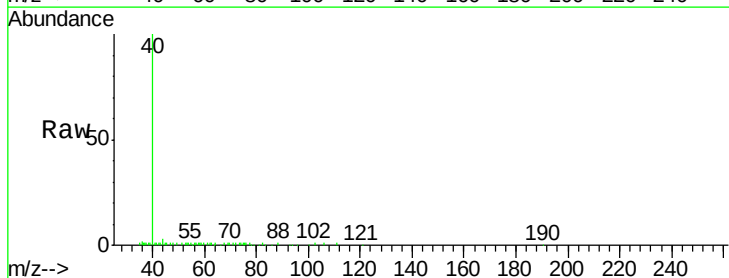


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

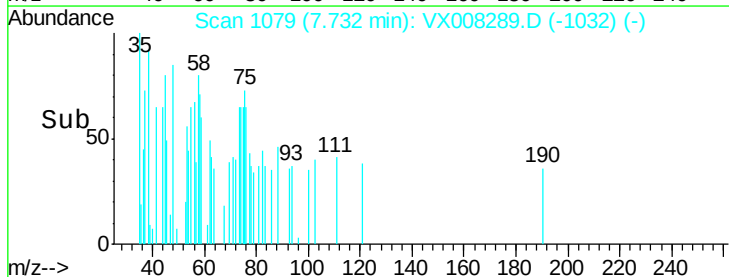
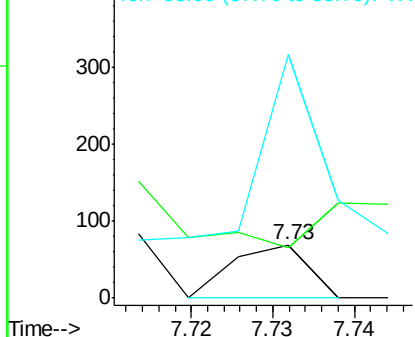


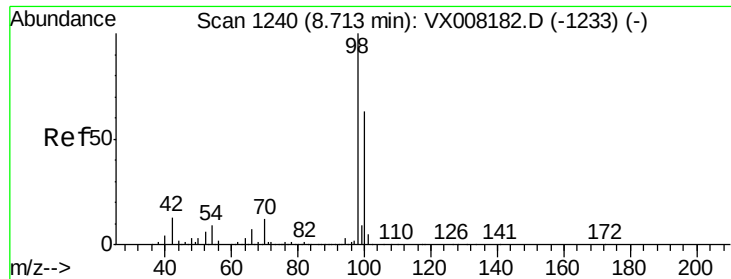
#49
1,4-Dioxane
Concen: 0.443 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX008289.D
Acq: 21 Mar 2019 14:33

Tgt Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 100.0 25.1 37.7#
58 520.0 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

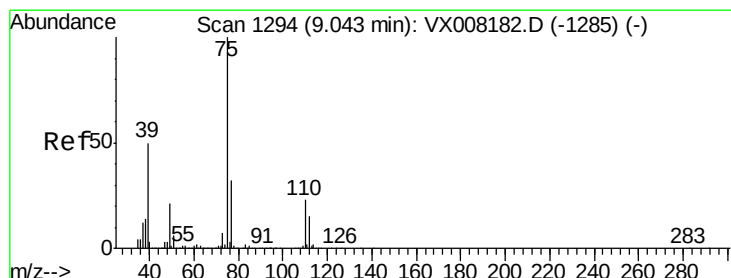
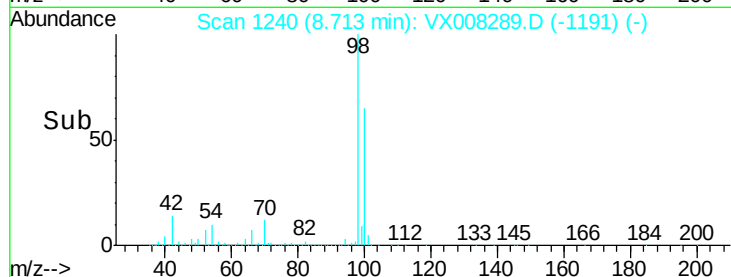
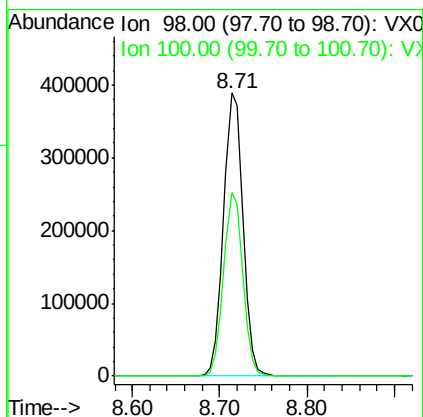
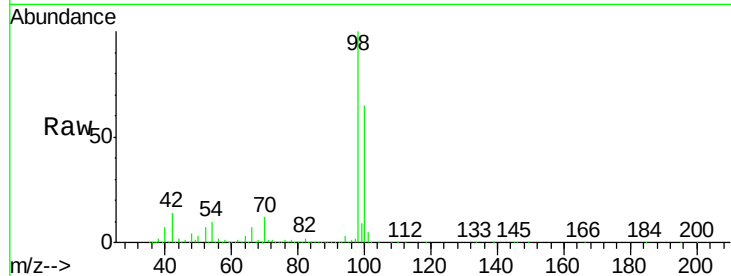




#50
Toluene-d8
Concen: 48.111 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008289.D
Acq: 21 Mar 2019 14:33

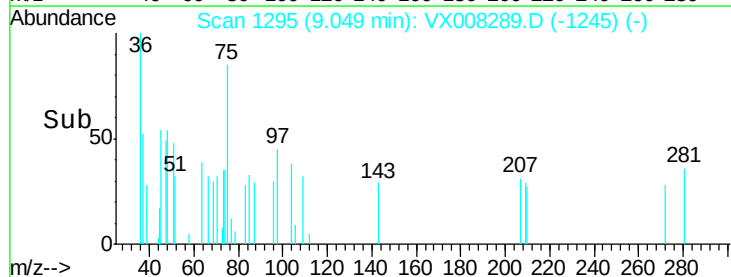
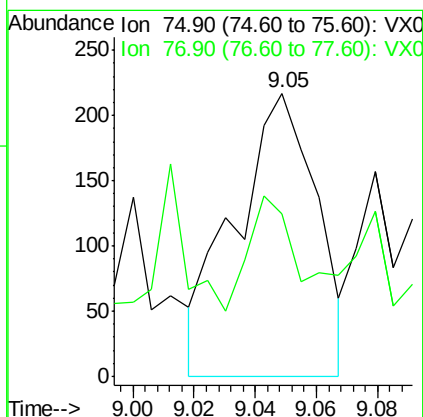
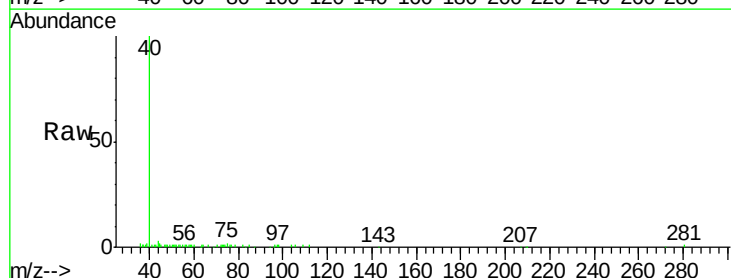
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW308I-20190317

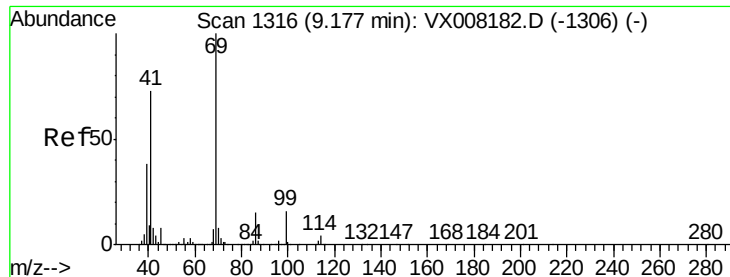
Tot Ion: 98 Resp: 599225
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 1.480 ug/l
RT: 9.05 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX008289.D
Acq: 21 Mar 2019 14:33

Tgt Ion: 75 Resp: 403
Ion Ratio Lower Upper
75 100
77 35.4 25.4 38.0





#56

Ethyl methacrylate

Concen: 0.542 ug/l

RT: 9.17 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VX008289.D

Acq: 21 Mar 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW308I-20190317

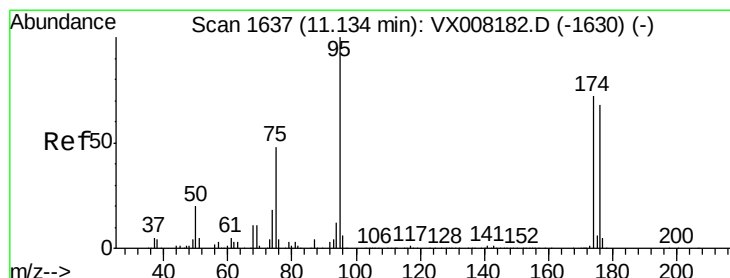
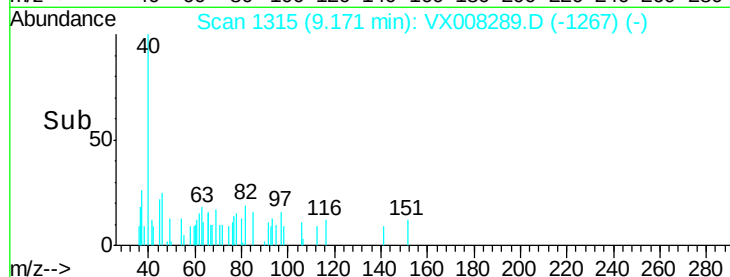
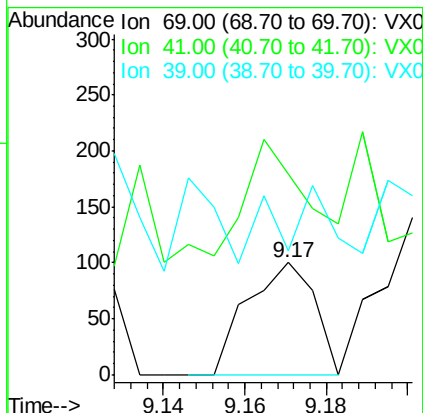
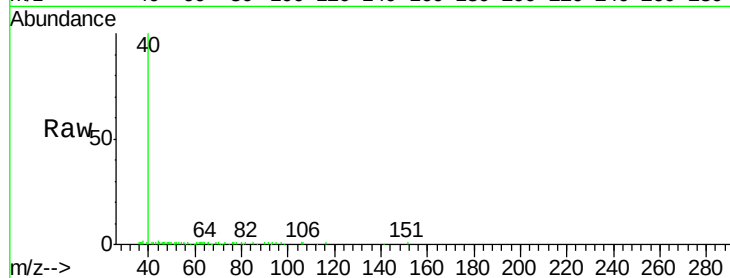
Tot Ion: 69 Resp: 115

Ion Ratio Lower Upper

69 100

41 89.6 54.2 81.4#

39 0.0 25.0 37.4#



#62

4-Bromofluorobenzene

Concen: 45.191 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008289.D

Acq: 21 Mar 2019 14:33

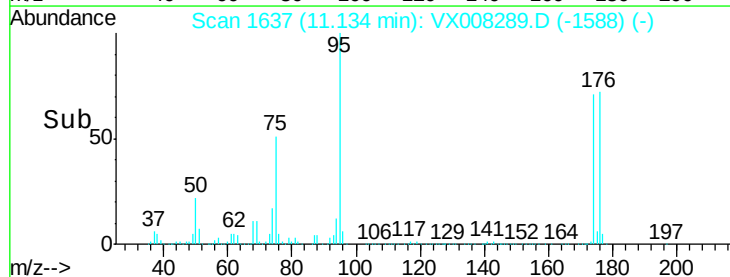
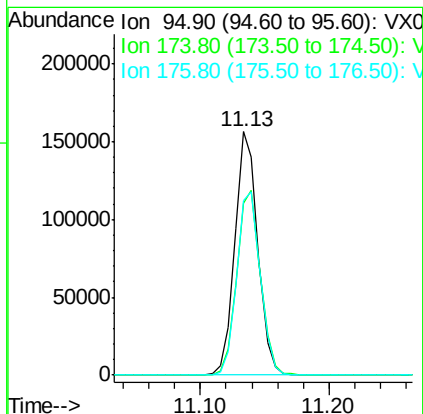
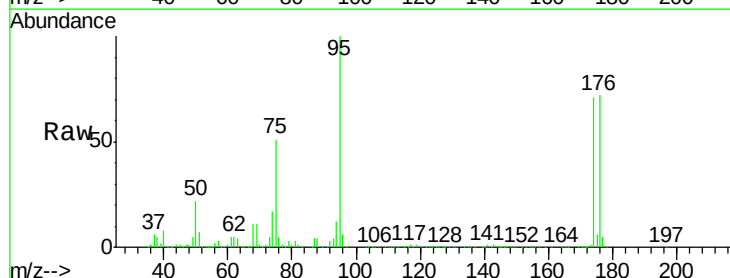
Tgt Ion: 95 Resp: 193802

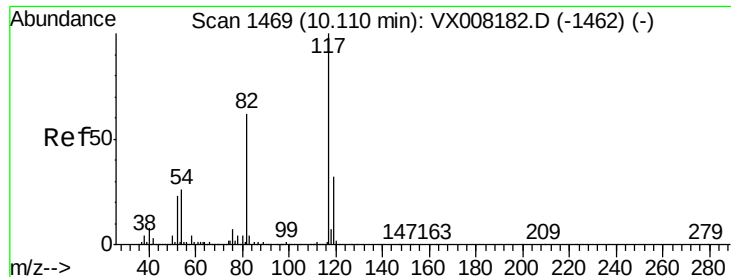
Ion Ratio Lower Upper

95 100

174 78.2 0.0 182.8

176 77.5 0.0 178.0

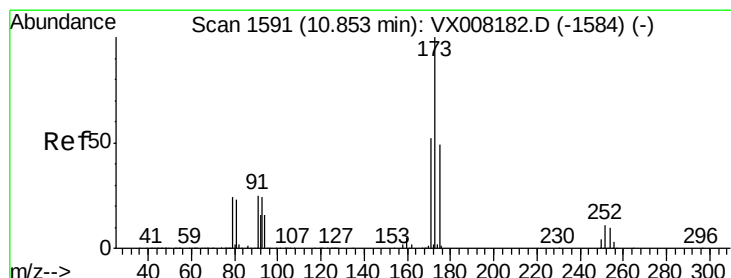
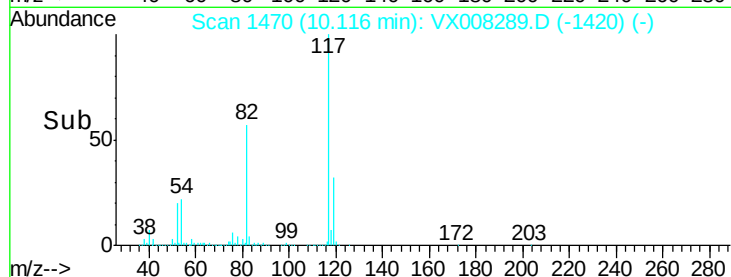
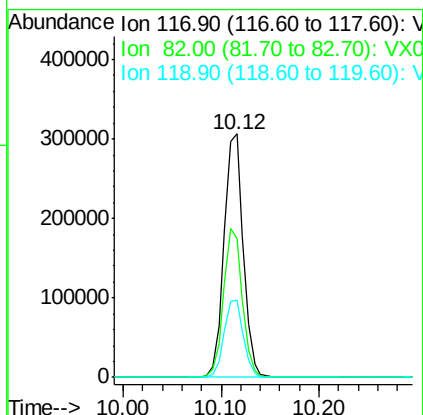
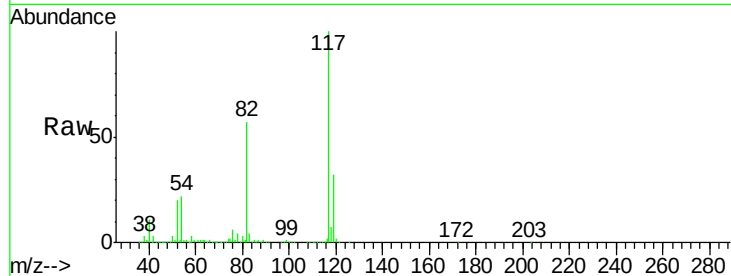




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008289.D
Acq: 21 Mar 2019 14:33

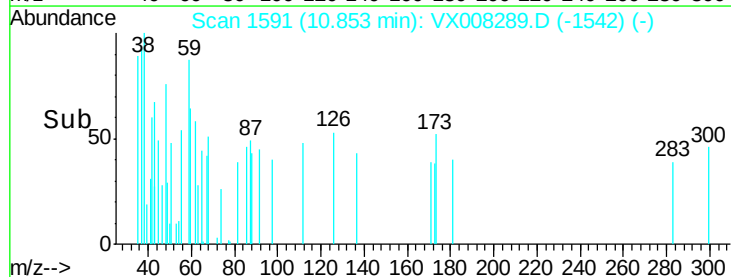
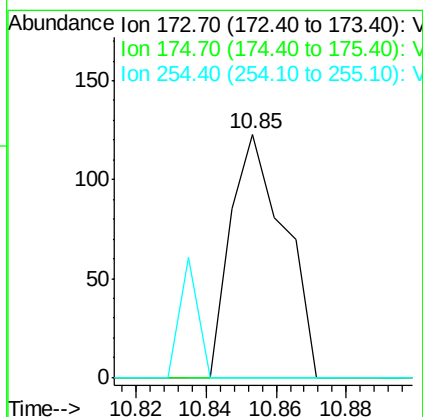
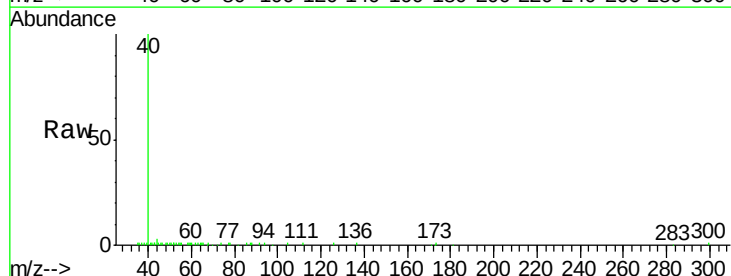
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW308I-20190317

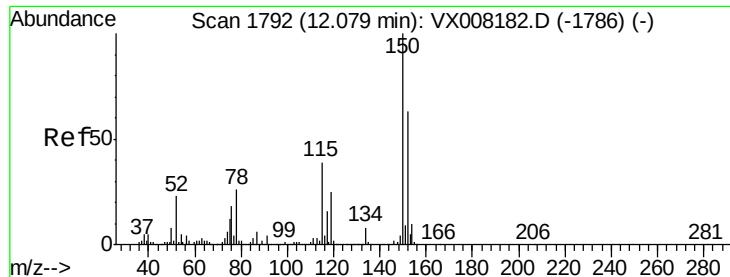
Tot Ion:117 Resp: 417452
Ion Ratio Lower Upper
117 100
82 56.7 44.3 66.5
119 32.0 25.3 37.9



#71
Bromoform
Concen: 2.243 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008289.D
Acq: 21 Mar 2019 14:33

Tgt Ion:173 Resp: 131
Ion Ratio Lower Upper
173 100
175 0.0 24.3 72.9#
254 16.8 0.1 0.1#



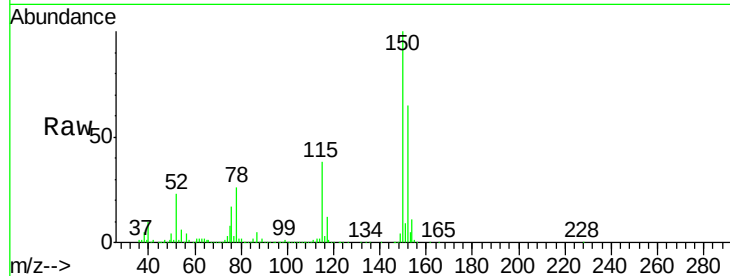


#72

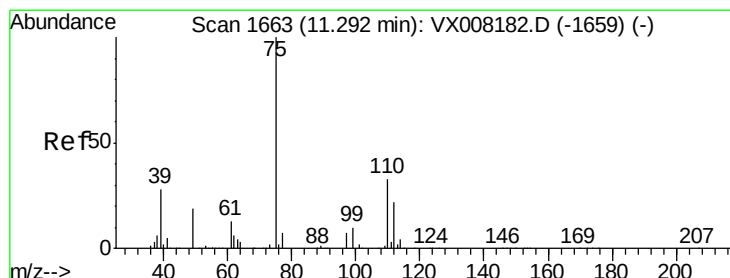
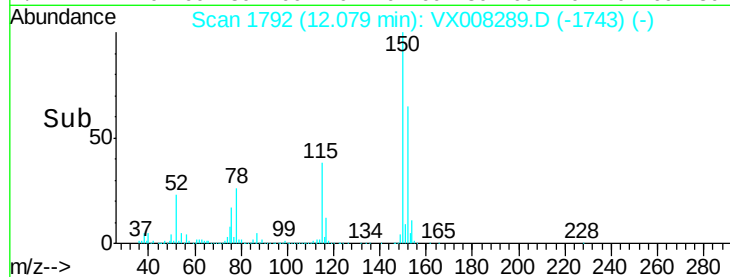
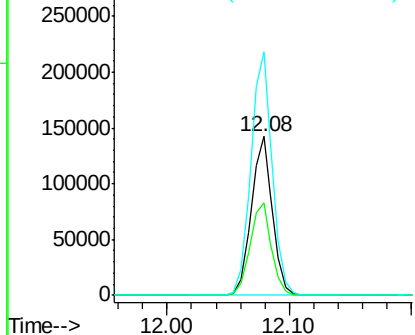
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008289.D
Acq: 21 Mar 2019 14:33

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW308I-20190317

Tot Ion:152 Resp: 170121
Ion Ratio Lower Upper
152 100
115 59.3 38.6 115.7
150 155.6 0.0 348.4



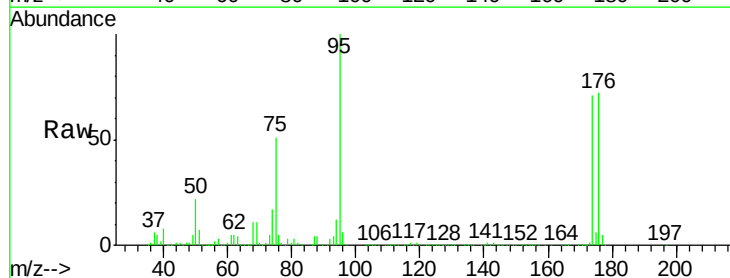
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



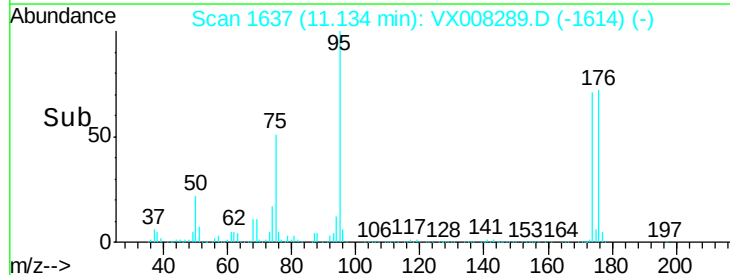
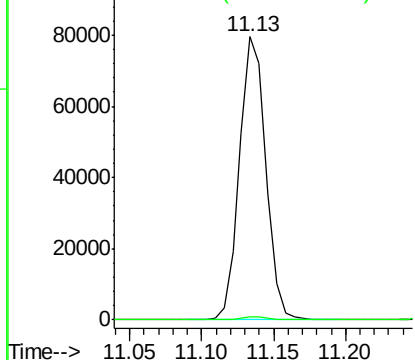
#76

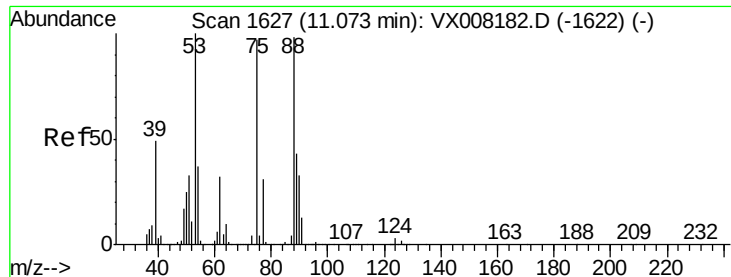
1,2,3-Trichloropropane
Concen: 21.187 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008289.D
Acq: 21 Mar 2019 14:33

Tgt Ion: 75 Resp: 101376
Ion Ratio Lower Upper
75 100
77 1.4 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: 53.896 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008289.D

Acq: 21 Mar 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW308I-20190317

Tot Ion: 75 Resp: 101376

Ion Ratio Lower Upper

75 100

53 0.3 76.1 114.1#

89 0.1 36.3 54.5#

