

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010170.D
 Acq On : 10 Jun 2019 12:15
 Operator : JC/SP
 Sample : K3221-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW309I-20190605

Quant Time: Jun 11 02:35:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	280183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	422391	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	376621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176052	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	124932	45.68	ug/l	0.00
Spiked Amount			Recovery	=	91.36%	
35) Dibromofluoromethane	5.50	113	130866	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
50) Toluene-d8	8.71	98	496555	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	11.13	95	169387	46.45	ug/l	0.00
Spiked Amount			Recovery	=	92.90%	

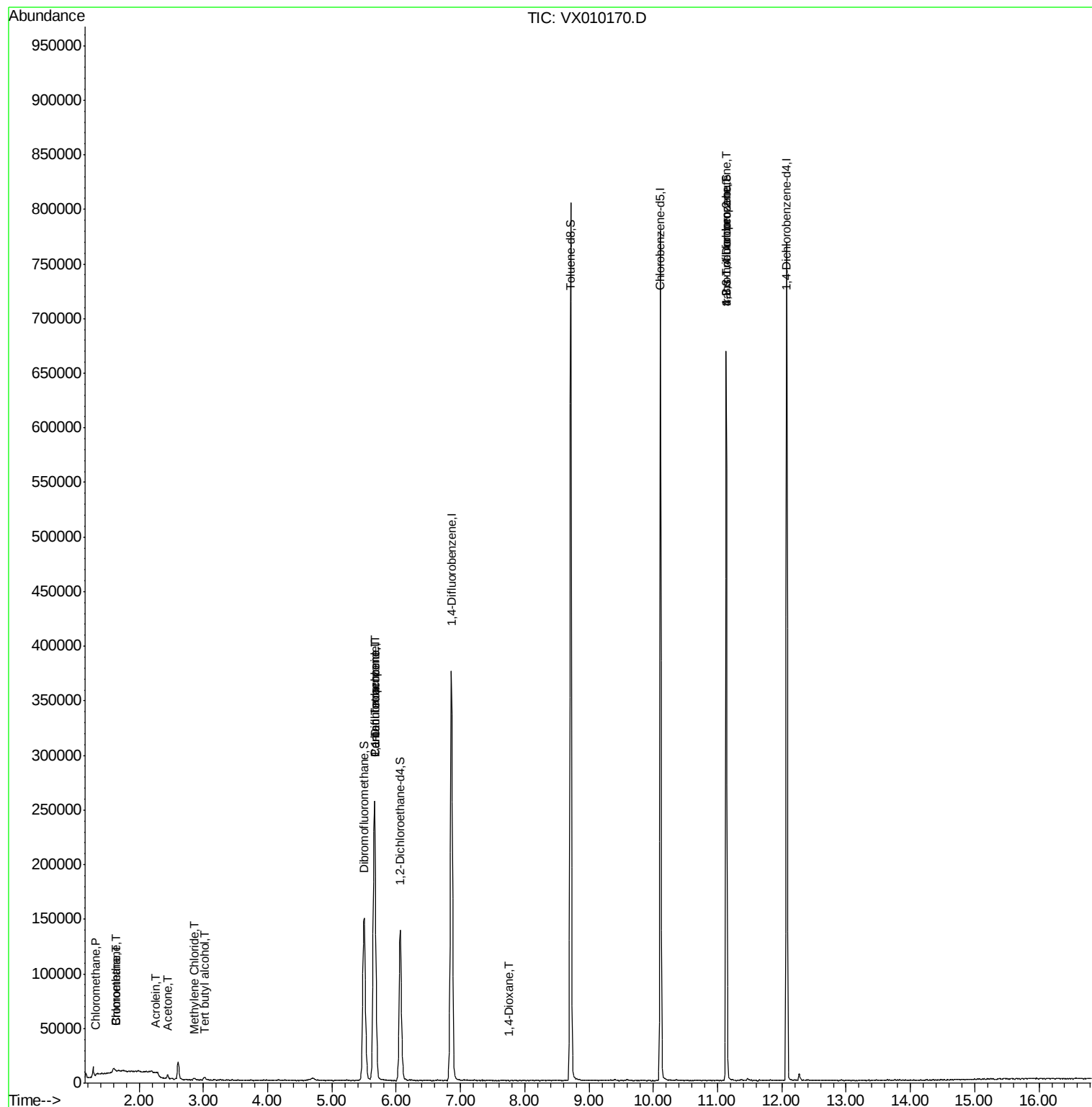
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	666	0.260	ug/l	92
5) Bromomethane	1.65	94	262	0.289	ug/l #	2
6) Chloroethane	1.64	64	2080	1.714	ug/l #	60
11) Tert butyl alcohol	3.01	59	1367	2.040	ug/l #	94
13) Acrolein	2.26	56	248	2.030	ug/l #	43
16) Acetone	2.45	43	3531	2.745	ug/l	90
20) Methylene Chloride	2.86	84	570	0.202	ug/l #	78
36) 1,1-Dichloropropene	5.66	75	16372	4.751	ug/l #	53
38) Carbon Tetrachloride	5.66	117	23741	6.087	ug/l #	14
49) 1,4-Dioxane	7.76	88	45	0.563	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	78094	22.177	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	78094	48.999	ug/l #	10

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

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QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010170.D

Acq: 10 Jun 2019 12:15

Instrument :

MSVOA_X

ClientSampleId :

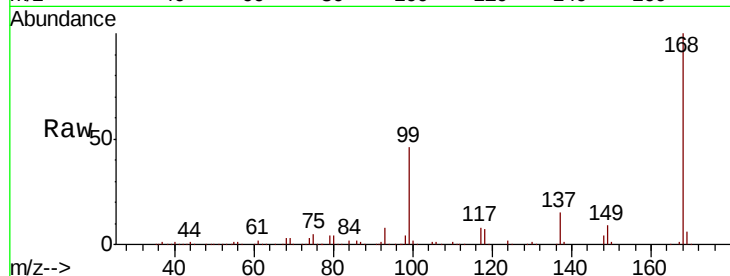
BPS1-TT-MW309I-20190605

Tot Ion:168 Resp: 280183

Ion Ratio Lower Upper

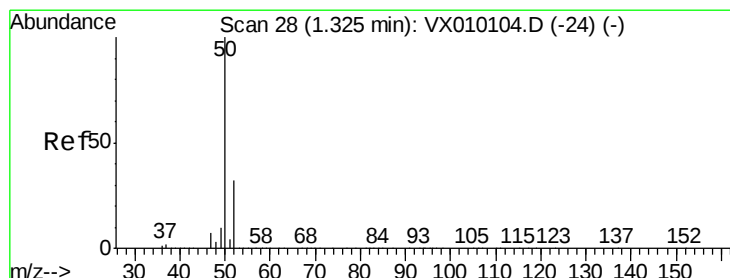
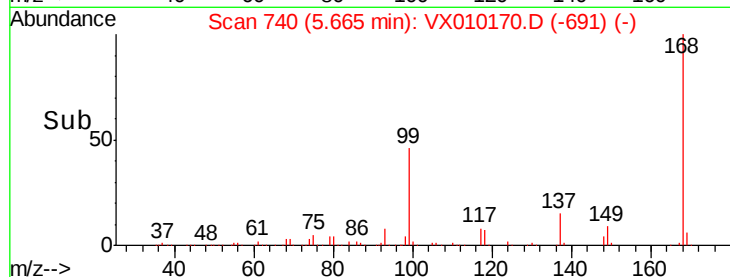
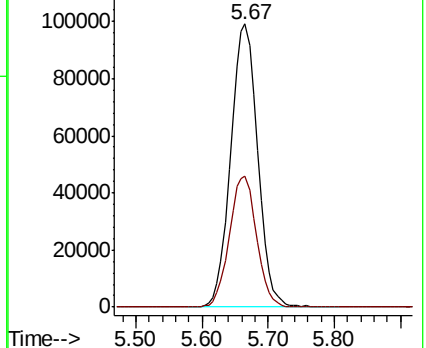
168 100

99 46.3 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.260 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010170.D

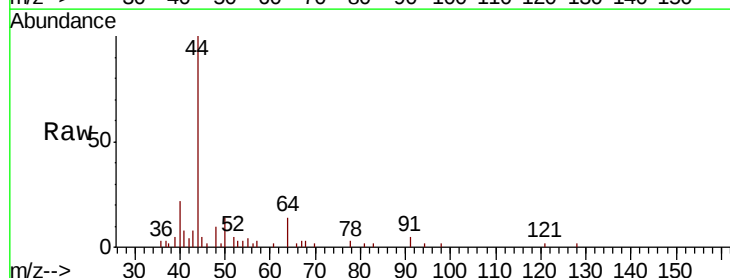
Acq: 10 Jun 2019 12:15

Tgt Ion: 50 Resp: 666

Ion Ratio Lower Upper

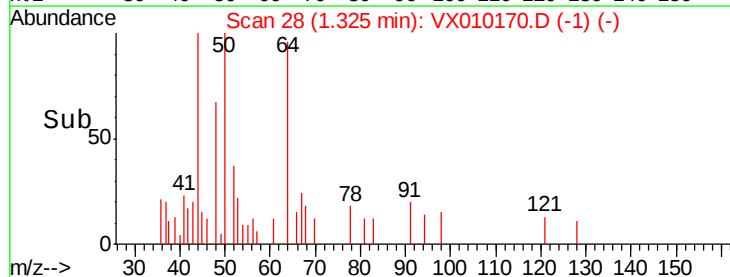
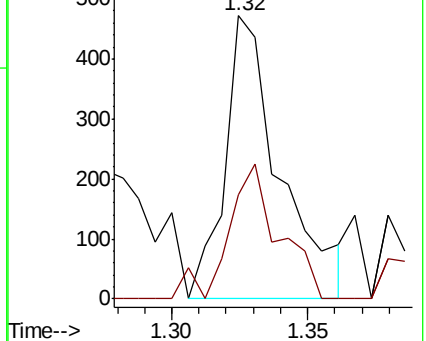
50 100

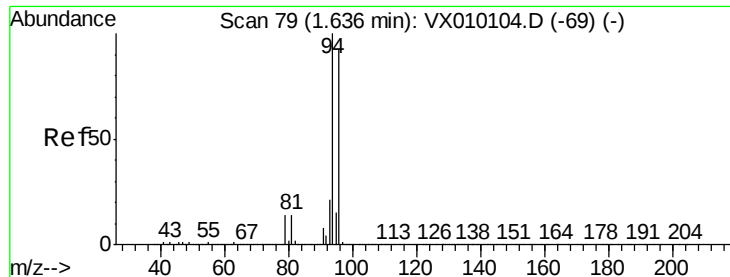
52 36.9 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.289 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010170.D

Acq: 10 Jun 2019 12:15

Instrument :

MSVOA_X

ClientSampleId :

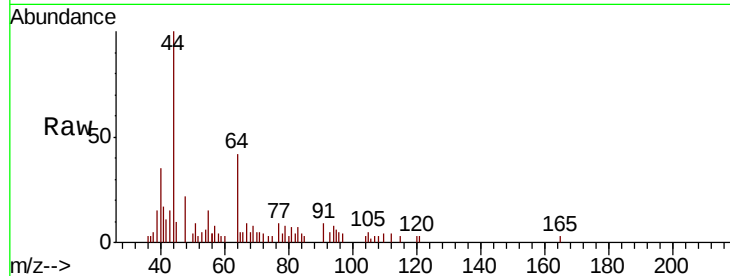
BPS1-TT-MW309I-20190605

Tot Ion: 94 Resp: 262

Ion Ratio Lower Upper

94 100

96 0.0 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

1.65

1.65

1.65

1.65

1.65

1.65

1.65

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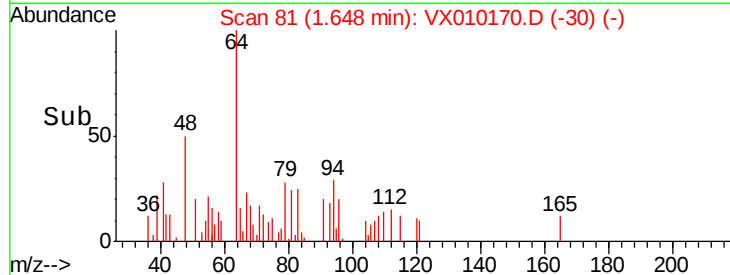
1.65

1.65

1.65

1.65

1.65



#6

Chloroethane

Concen: 1.714 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.07 min

Lab File: VX010170.D

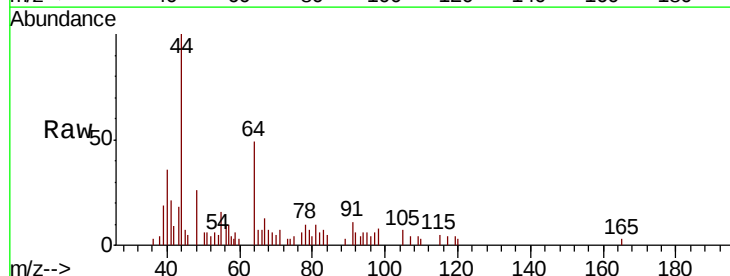
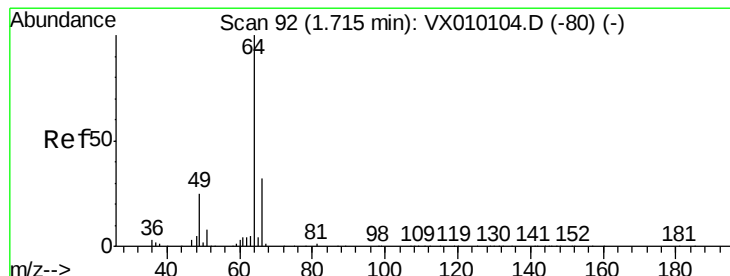
Acq: 10 Jun 2019 12:15

Tgt Ion: 64 Resp: 2080

Ion Ratio Lower Upper

64 100

66 9.1 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.64

1.64

1.64

1.64

1.64

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1.64

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1.64

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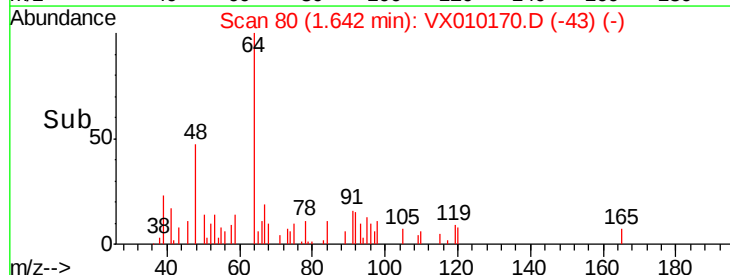
1.64

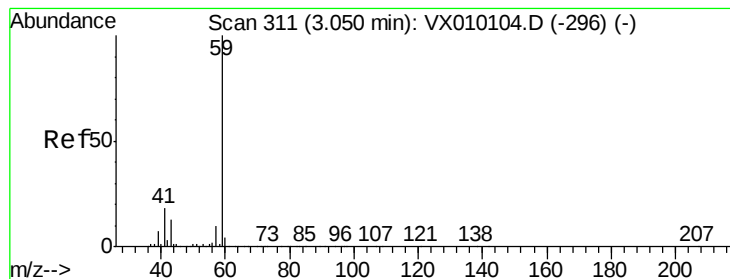
1.64

1.64

1.64

1.64



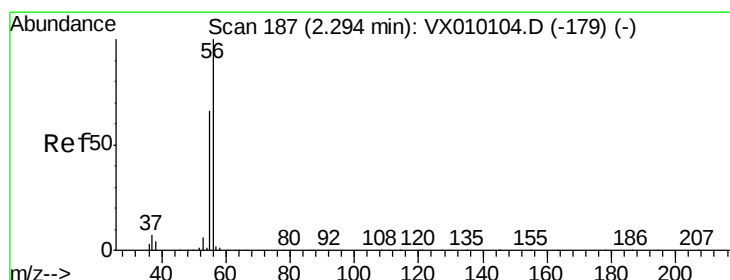
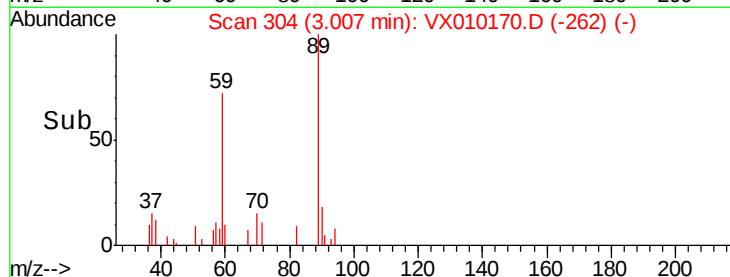
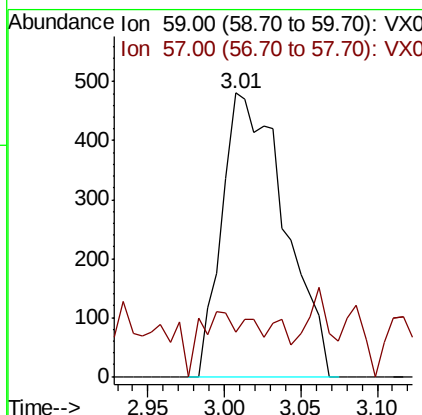
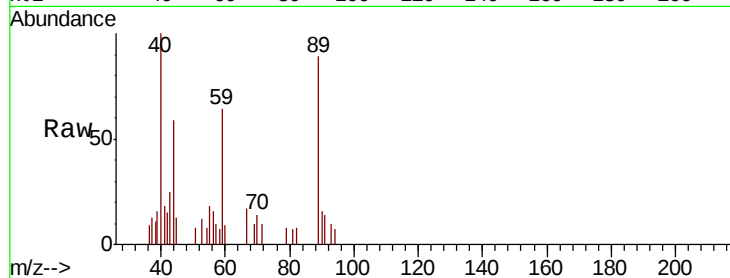


#11

Tert butvl alcohol
 Concen: 2.040 ug/l
 RT: 3.01 min Scan# 304
 Delta R.T. -0.04 min
 Lab File: VX010170.D
 Acq: 10 Jun 2019 12:15

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW309I-20190605

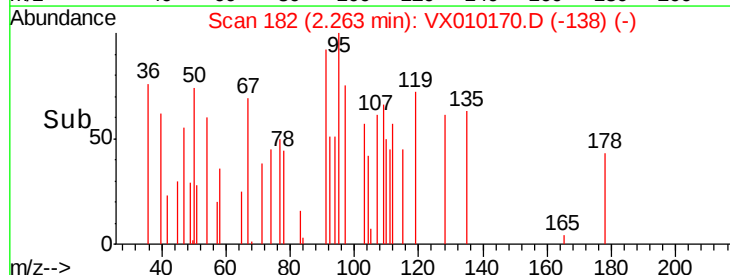
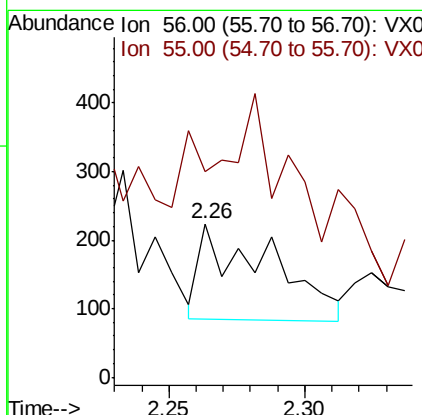
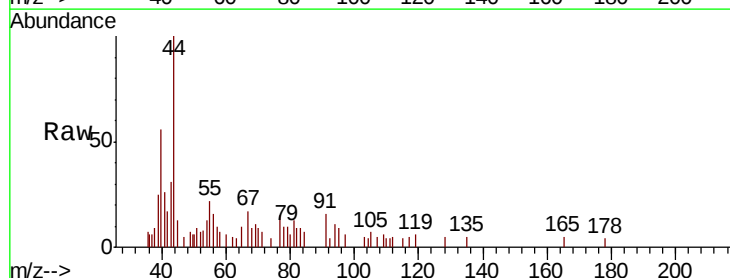
Tot Ion: 59 Resp: 1367
 Ion Ratio Lower Upper
 59 100
 57 12.4 8.2 12.2#

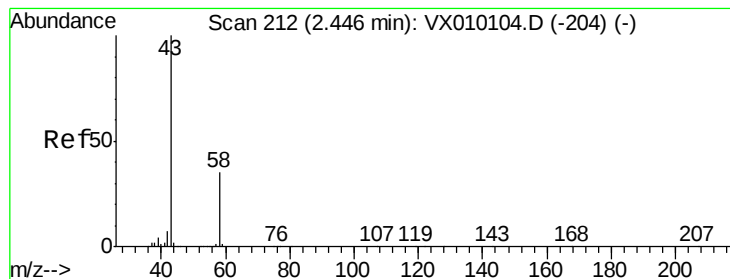


#13

Acrolein
 Concen: 2.030 ug/l
 RT: 2.26 min Scan# 182
 Delta R.T. -0.03 min
 Lab File: VX010170.D
 Acq: 10 Jun 2019 12:15

Tgt Ion: 56 Resp: 248
 Ion Ratio Lower Upper
 56 100
 55 24.2 57.0 85.4#





#16

Acetone

Concen: 2.745 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010170.D

Acq: 10 Jun 2019 12:15

Instrument :

MSVOA_X

ClientSampleId :

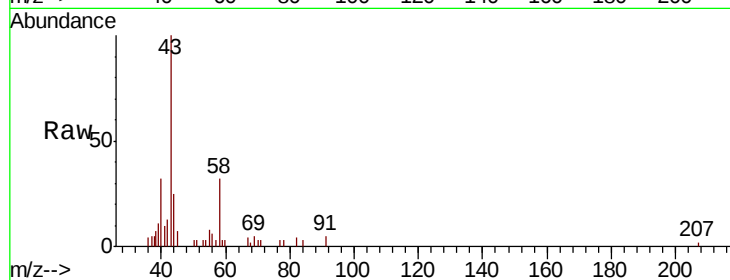
BPS1-TT-MW309I-20190605

Tot Ion: 43 Resp: 3531

Ion Ratio Lower Upper

43 100

58 34.5 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2500

2000

1500

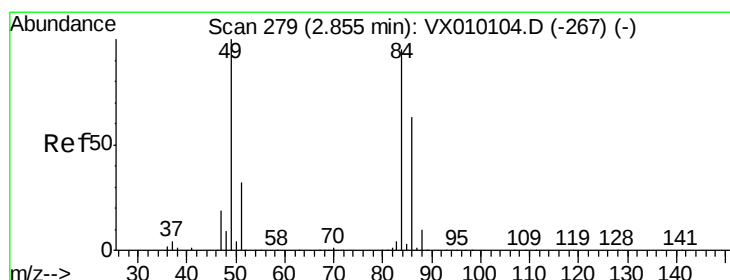
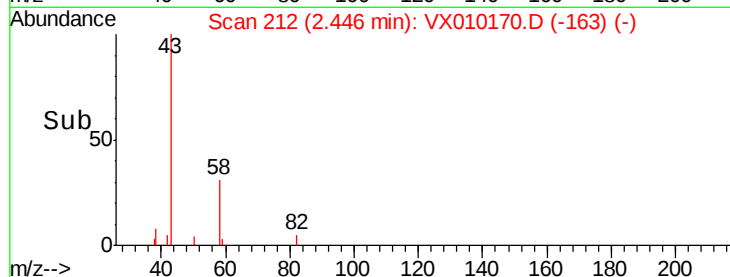
1000

500

0

2.40 2.45 2.50

Time-->



#20

Methylene Chloride

Concen: 0.202 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX010170.D

Acq: 10 Jun 2019 12:15

Tgt Ion: 84 Resp: 570

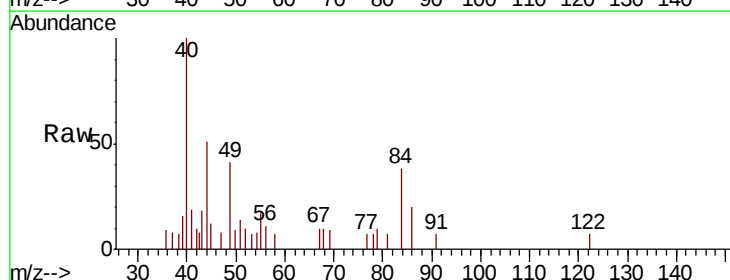
Ion Ratio Lower Upper

84 100

49 106.6 115.8 173.6#

51 37.8 34.4 51.6

86 51.9 49.7 74.5



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

500

400

300

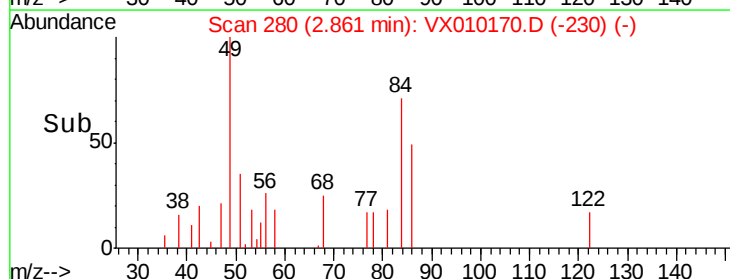
200

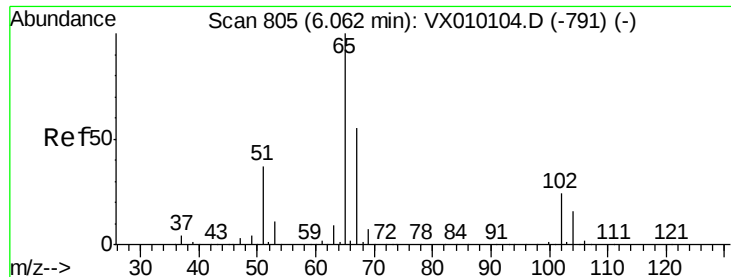
100

0

2.80 2.85 2.90

Time-->





#33

1,2-Dichloroethane-d4

Concen: 45.681 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010170.D

Acq: 10 Jun 2019 12:15

Instrument :

MSVOA_X

ClientSampleId :

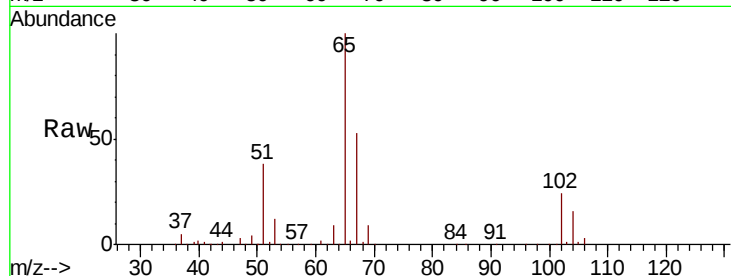
BPS1-TT-MW309I-20190605

Tot Ion: 65 Resp: 124932

Ion Ratio Lower Upper

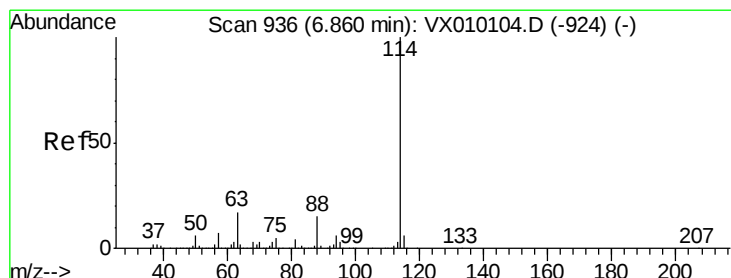
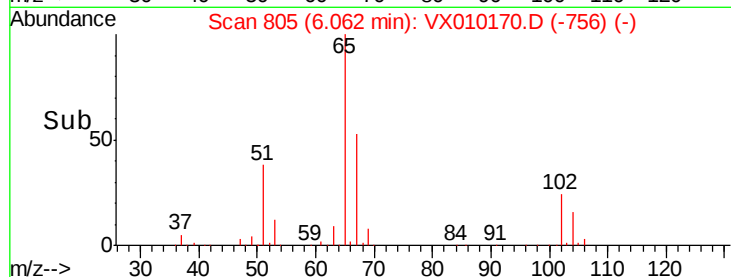
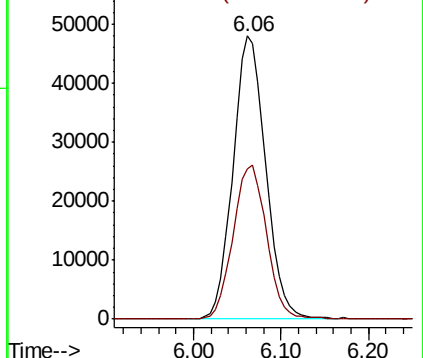
65 100

67 55.6 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010170.D

Acq: 10 Jun 2019 12:15

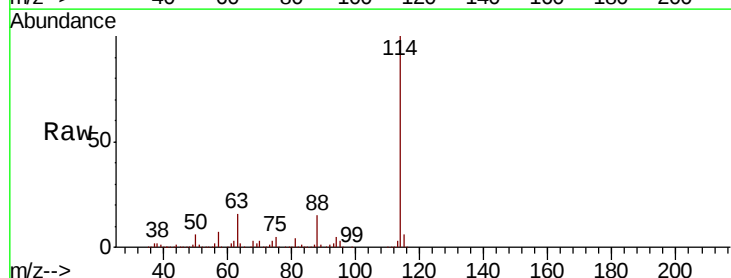
Tgt Ion: 114 Resp: 422391

Ion Ratio Lower Upper

114 100

63 16.5 0.0 47.4

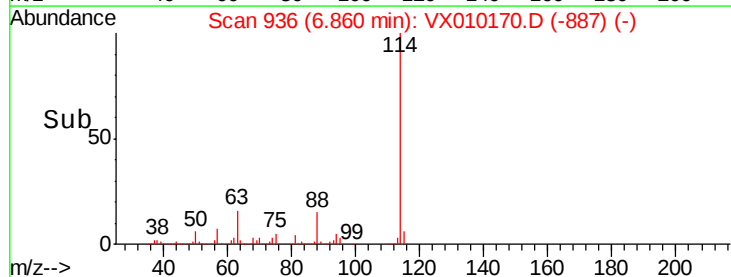
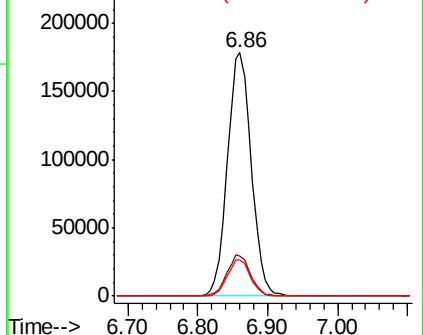
88 14.7 0.0 33.0

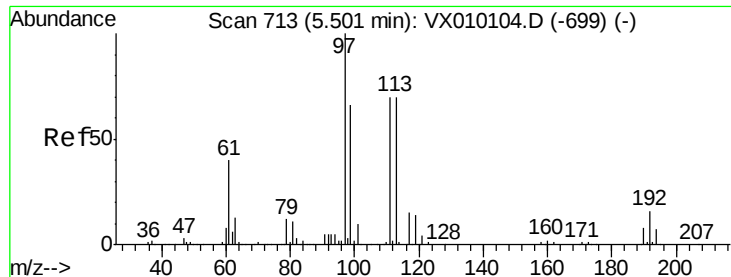


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.229 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010170.D

Acq: 10 Jun 2019 12:15

Instrument :

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ClientSampleId :

BPS1-TT-MW309I-20190605

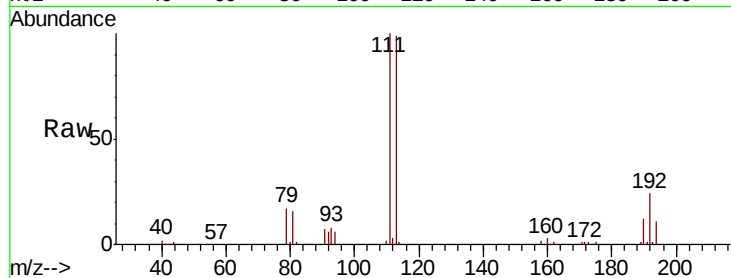
Tot Ion:113 Resp: 130866

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.2

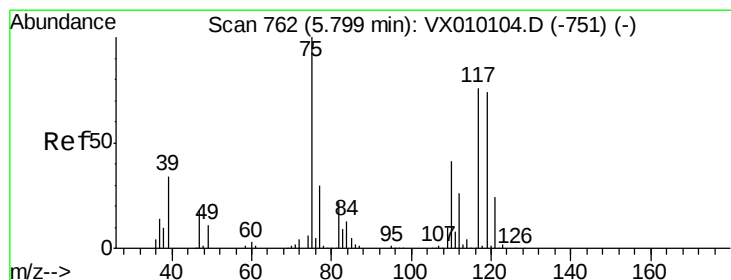
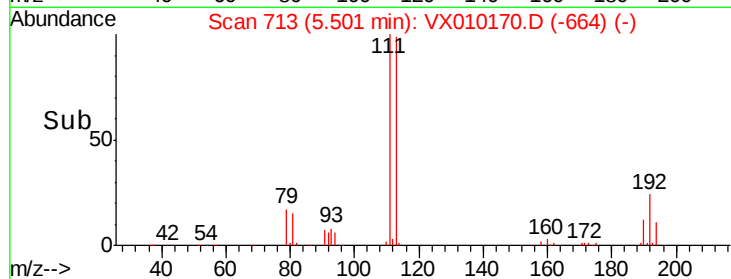
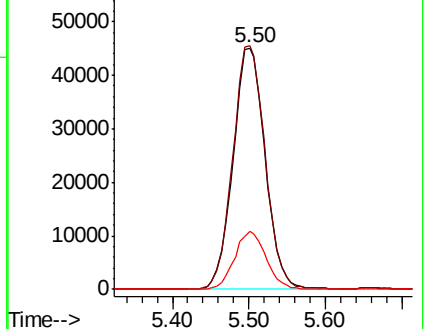
192 23.6 17.1 25.7



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: 4.751 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010170.D

Acq: 10 Jun 2019 12:15

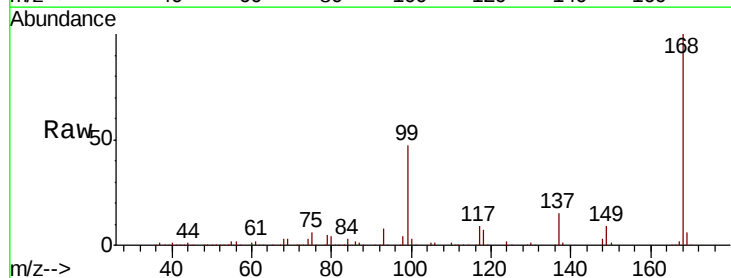
Tgt Ion: 75 Resp: 16372

Ion Ratio Lower Upper

75 100

110 10.6 16.7 50.1#

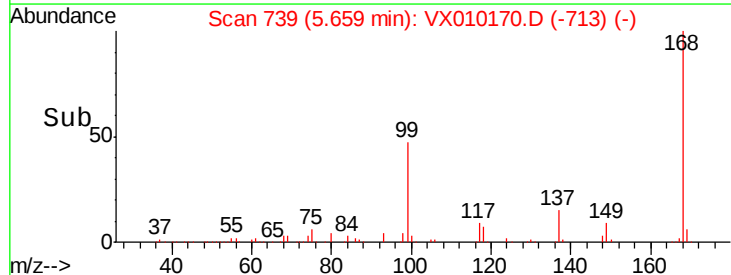
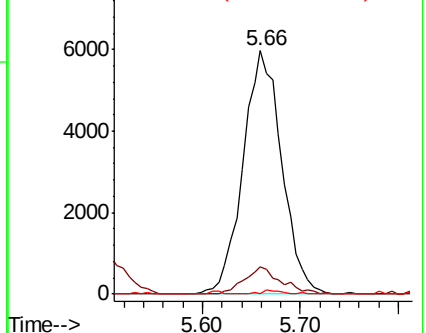
77 0.8 25.0 37.4#

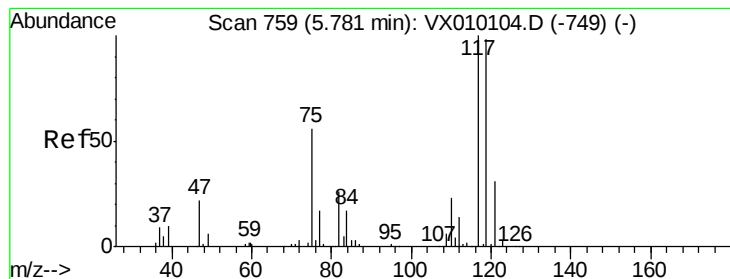


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.087 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX010170.D

Acq: 10 Jun 2019 12:15

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW309I-20190605

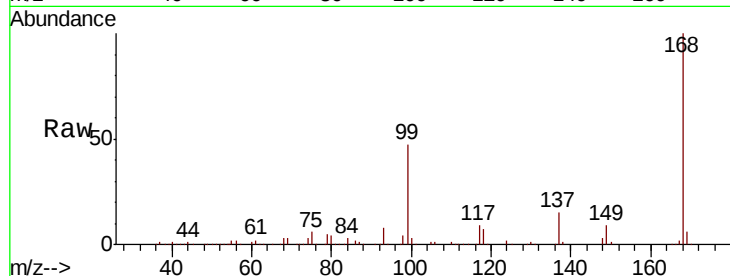
Tot Ion:117 Resp: 23741

Ion Ratio Lower Upper

117 100

119 3.3 77.3 115.9#

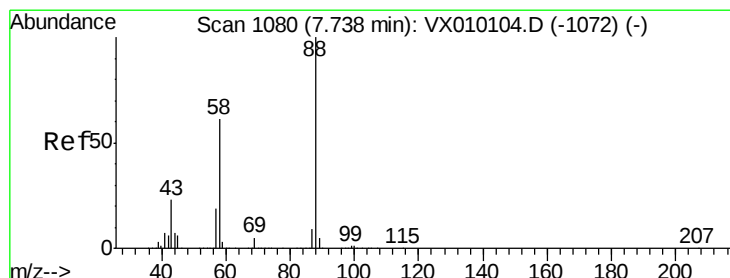
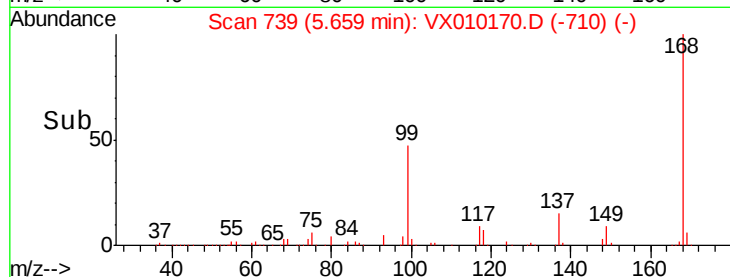
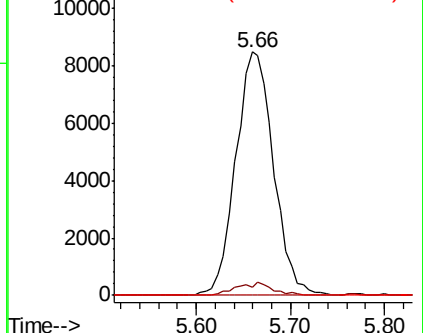
121 0.0 25.4 38.0#



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: 0.563 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VX010170.D

Acq: 10 Jun 2019 12:15

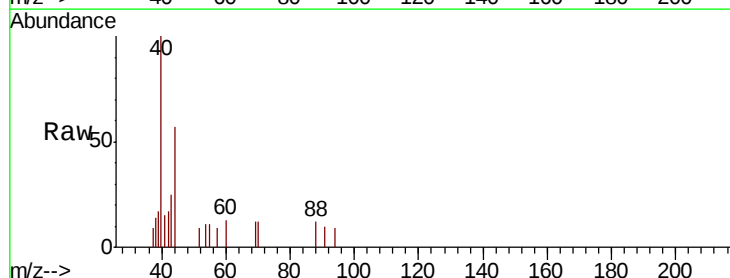
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 702.2 30.2 45.4#

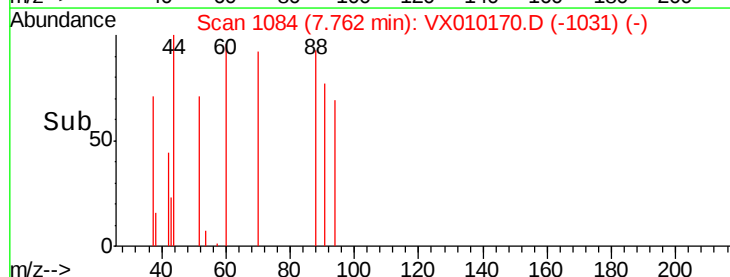
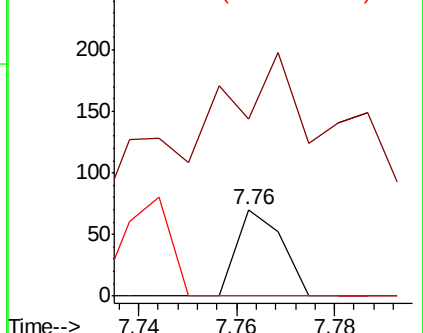
58 0.0 64.0 96.0#

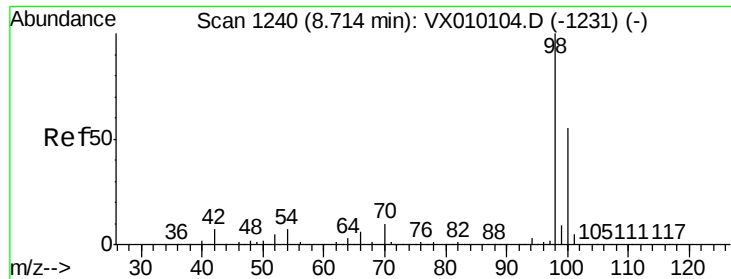


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.852 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010170.D

Acq: 10 Jun 2019 12:15

Instrument :

MSVOA_X

ClientSampleId :

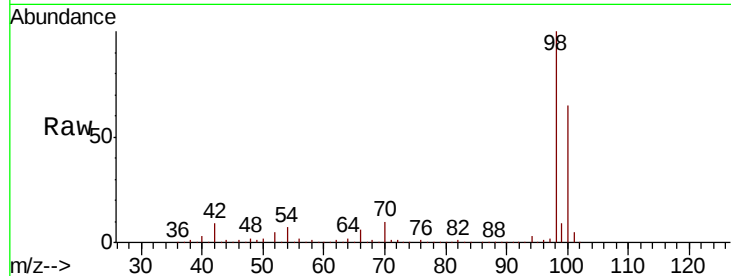
BPS1-TT-MW309I-20190605

Tot Ion: 98 Resp: 496555

Ion Ratio Lower Upper

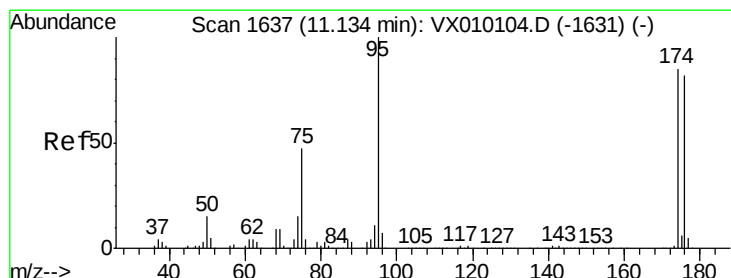
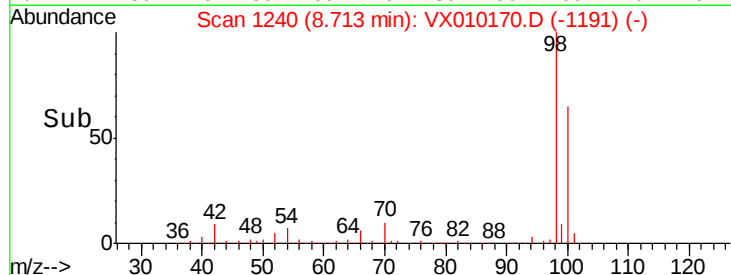
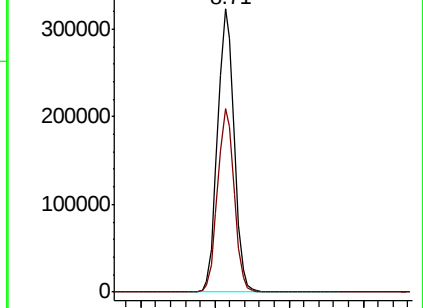
98 100

100 64.6 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 46.449 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010170.D

Acq: 10 Jun 2019 12:15

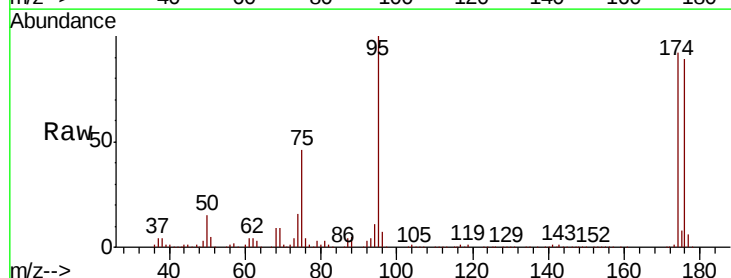
Tgt Ion: 95 Resp: 169387

Ion Ratio Lower Upper

95 100

174 94.1 0.0 160.4

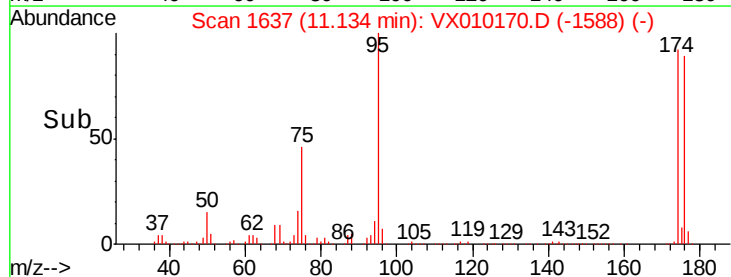
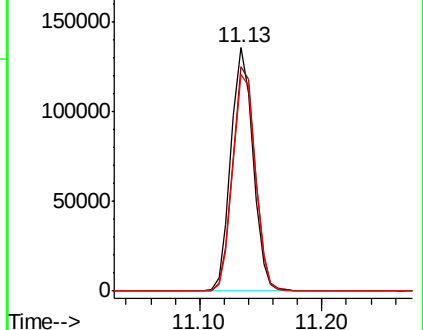
176 91.6 0.0 154.6

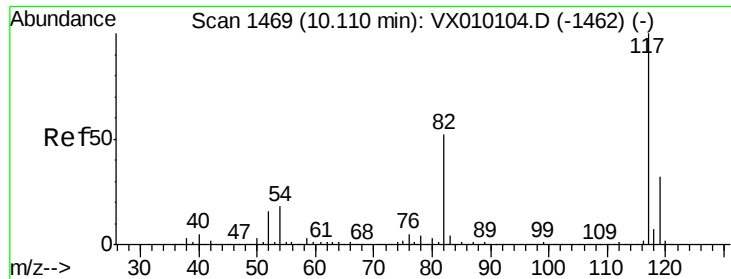


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

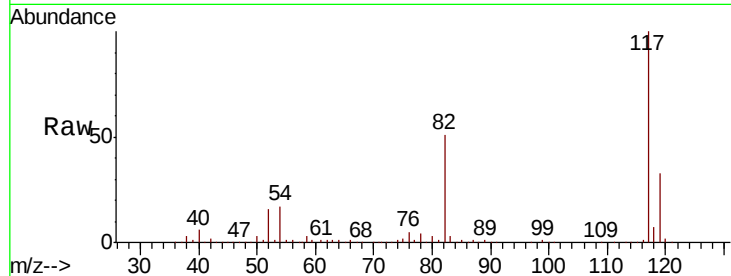




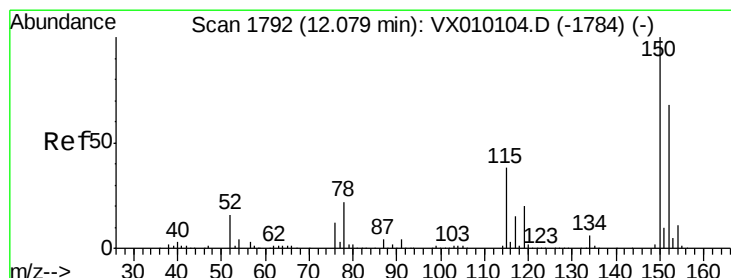
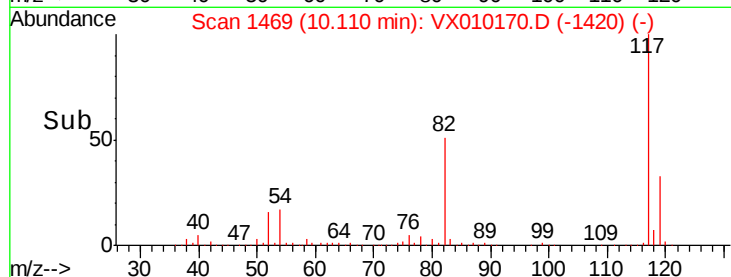
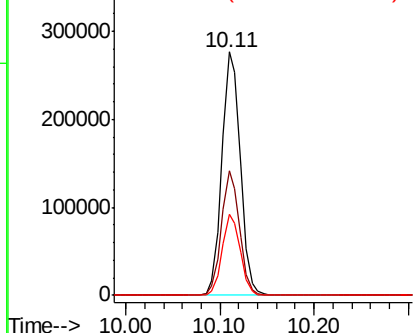
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010170.D
Acq: 10 Jun 2019 12:15

Instrument :
MSVOA_X
ClientSampleId :
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Tot Ion:117 Resp: 376621
Ion Ratio Lower Upper
117 100
82 51.2 49.2 73.8
119 33.1 25.2 37.8

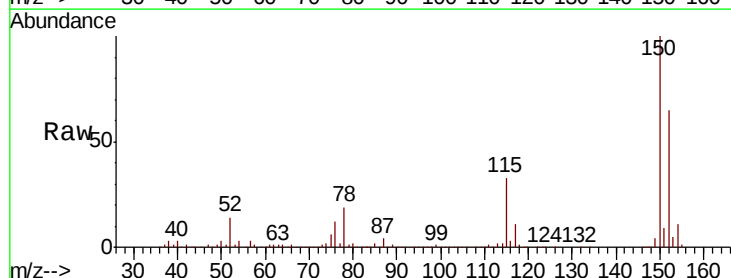


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

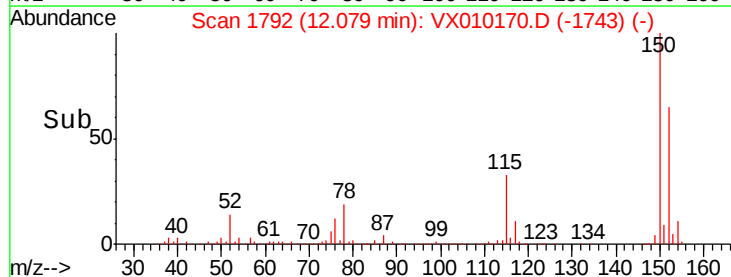
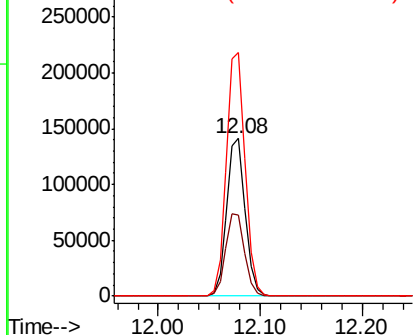


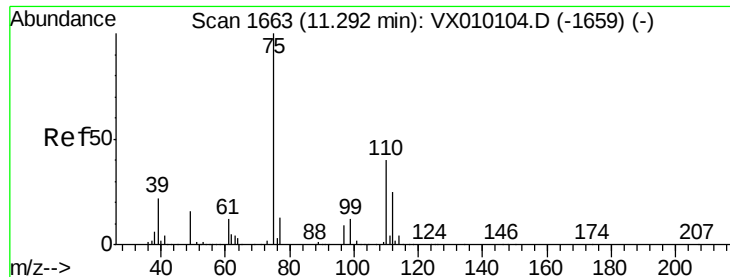
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010170.D
Acq: 10 Jun 2019 12:15

Tgt Ion:152 Resp: 176052
Ion Ratio Lower Upper
152 100
115 54.0 41.4 124.2
150 156.9 0.0 345.2



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: 22.177 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010170.D

Acq: 10 Jun 2019 12:15

Instrument :

MSVOA_X

ClientSampleId :

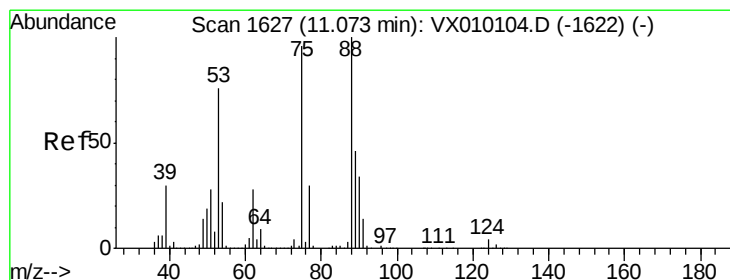
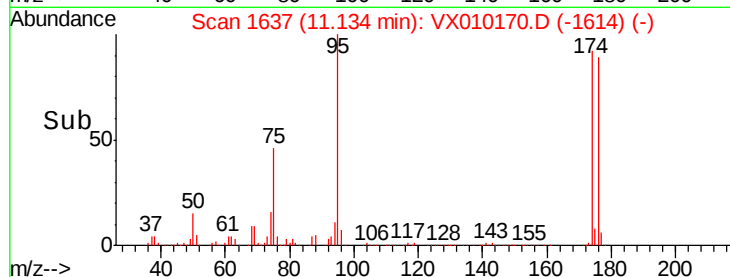
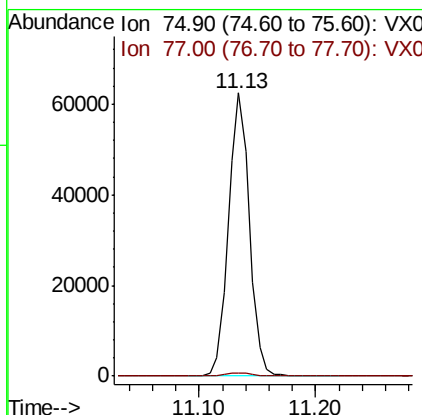
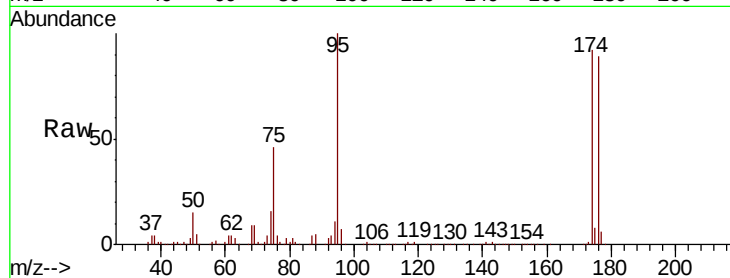
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Tot Ion: 75 Resp: 78094

Ion Ratio Lower Upper

75 100

77 1.2 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 48.999 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010170.D

Acq: 10 Jun 2019 12:15

Tgt Ion: 75 Resp: 78094

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 34.2 51.4#

