

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010171.D
 Acq On : 10 Jun 2019 12:38
 Operator : JC/SP
 Sample : K3221-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW314S-20190605

Quant Time: Jun 11 02:35:48 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	273319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	419767	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	374613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176949	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	123102	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	
35) Dibromofluoromethane	5.50	113	127534	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
50) Toluene-d8	8.71	98	493958	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
62) 4-Bromofluorobenzene	11.13	95	170446	47.03	ug/l	0.00
Spiked Amount			Recovery	=	94.06%	

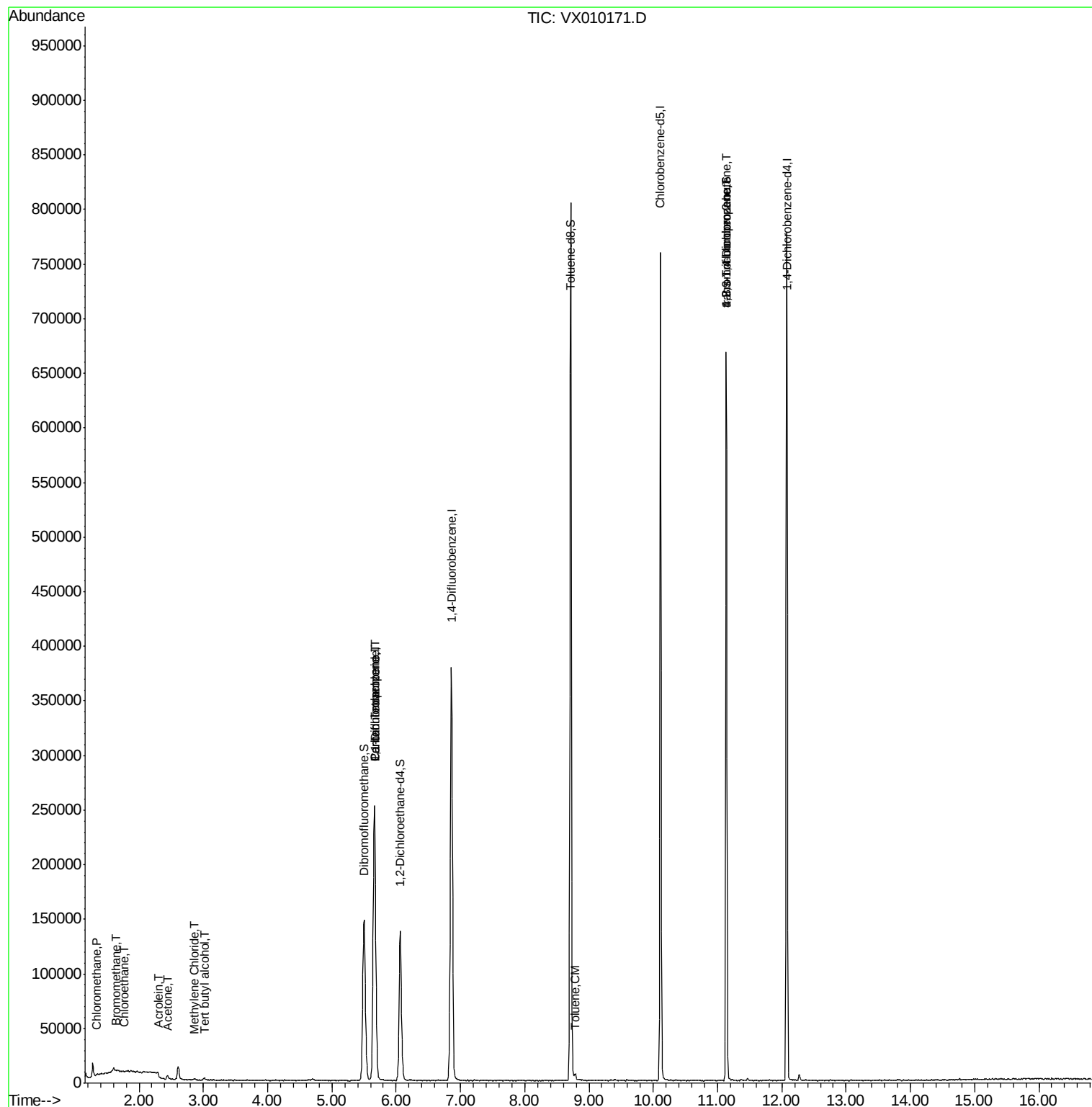
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	566	0.227	ug/l #	76
5) Bromomethane	1.65	94	627	0.708	ug/l #	28
6) Chloroethane	1.78	64	322	0.272	ug/l #	79
11) Tert butyl alcohol	3.01	59	1078	1.649	ug/l #	73
13) Acrolein	2.29	56	405	3.398	ug/l #	71
16) Acetone	2.44	43	3651	2.910	ug/l #	75
20) Methylene Chloride	2.86	84	561	0.204	ug/l #	78
36) 1,1-Dichloropropene	5.66	75	16202	4.731	ug/l #	52
38) Carbon Tetrachloride	5.66	117	23275	6.004	ug/l #	16
52) Toluene	8.79	92	1837	0.264	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	78595	22.206	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	78595	49.063	ug/l #	10

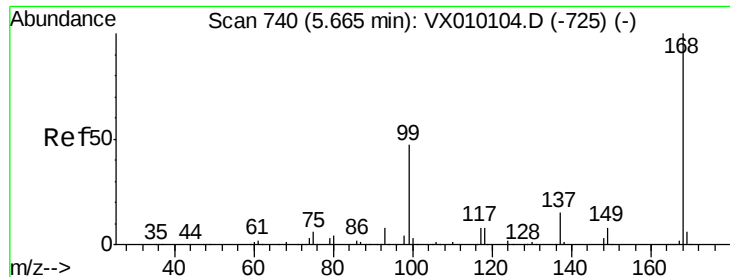
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010171.D

Acq: 10 Jun 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

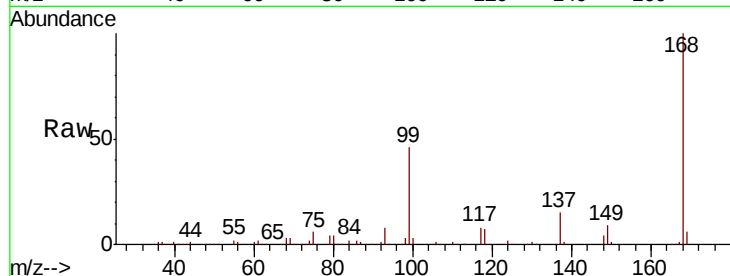
BPS1-TT-MW314S-20190605

Tot Ion:168 Resp: 273319

Ion Ratio Lower Upper

168 100

99 45.7 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

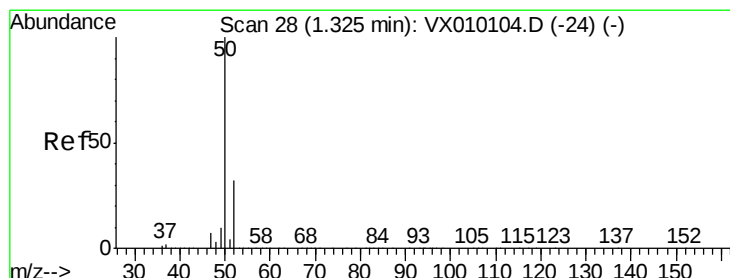
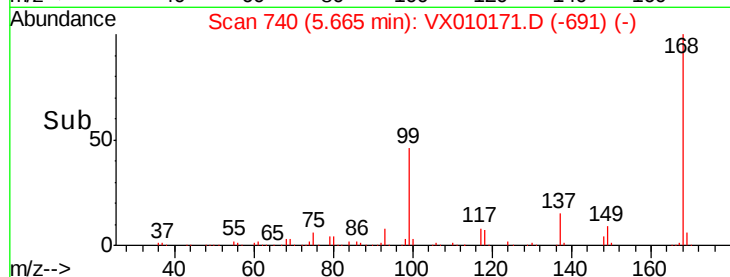
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.227 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010171.D

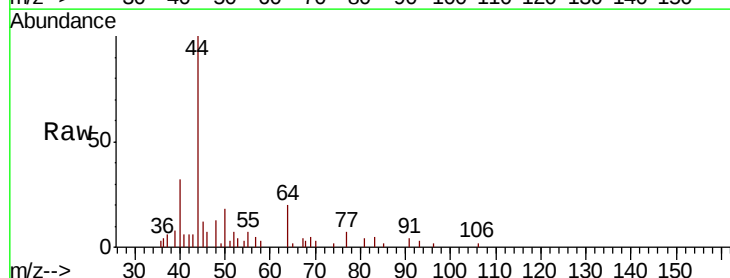
Acq: 10 Jun 2019 12:38

Tgt Ion: 50 Resp: 566

Ion Ratio Lower Upper

50 100

52 46.1 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

500

400

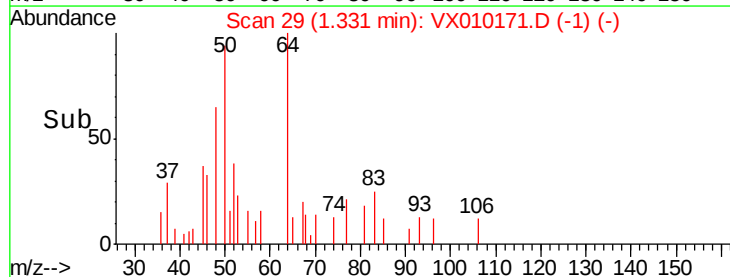
300

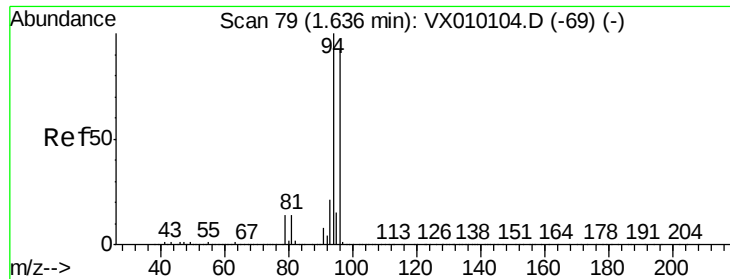
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.708 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010171.D

Acq: 10 Jun 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

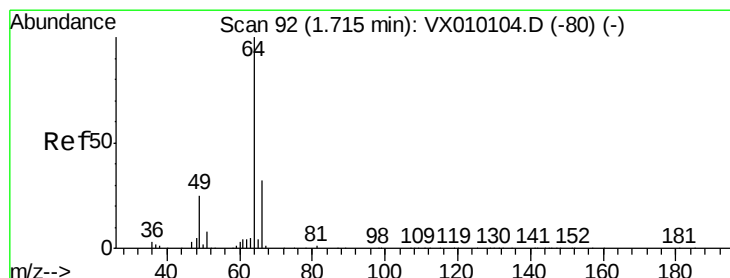
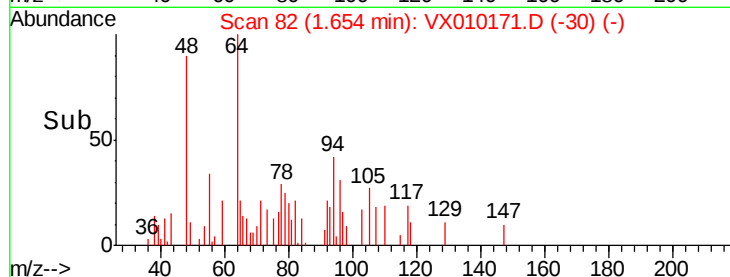
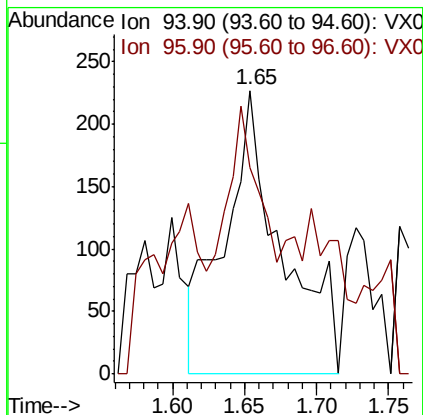
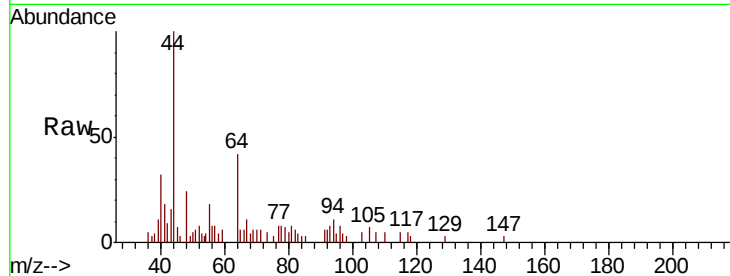
BPS1-TT-MW314S-20190605

Tot Ion: 94 Resp: 627

Ion Ratio Lower Upper

94 100

96 25.6 76.2 114.4#



#6

Chloroethane

Concen: 0.272 ug/l

RT: 1.78 min Scan# 102

Delta R.T. 0.06 min

Lab File: VX010171.D

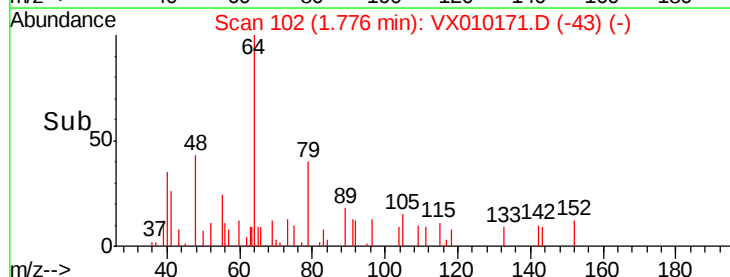
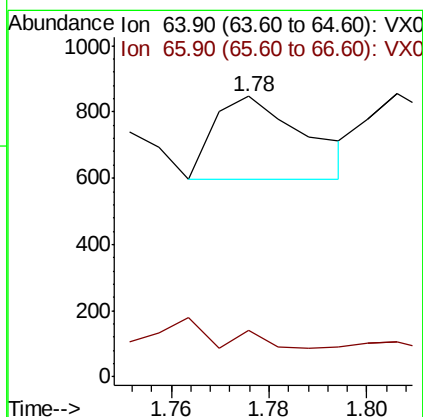
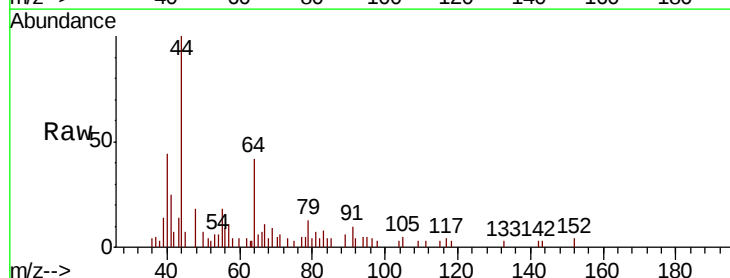
Acq: 10 Jun 2019 12:38

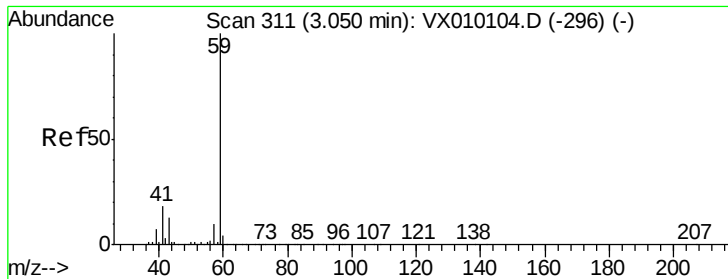
Tgt Ion: 64 Resp: 322

Ion Ratio Lower Upper

64 100

66 19.9 25.1 37.7#



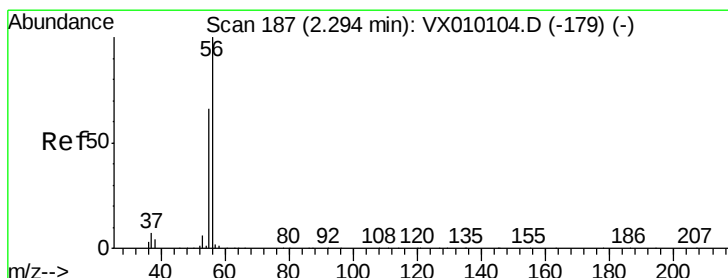
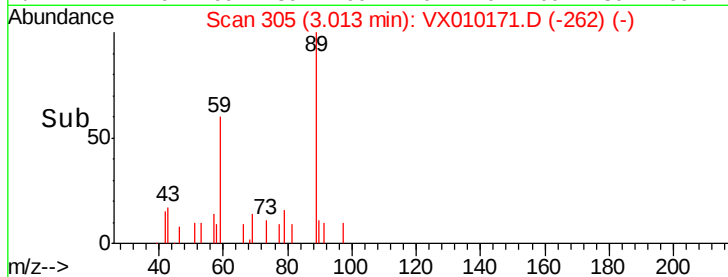
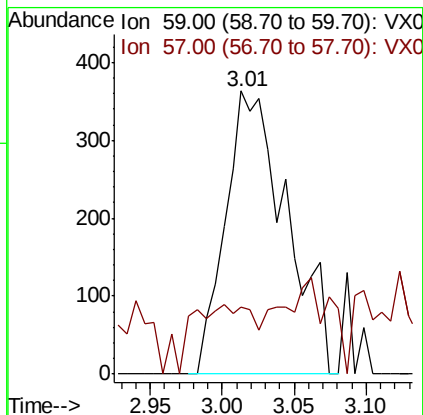
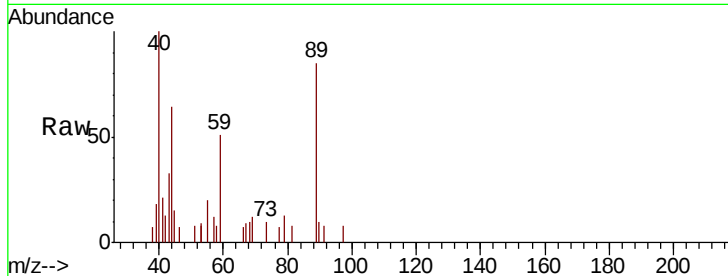


#11

Tert butvl alcohol
 Concen: 1.649 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX010171.D
 Acq: 10 Jun 2019 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW314S-20190605

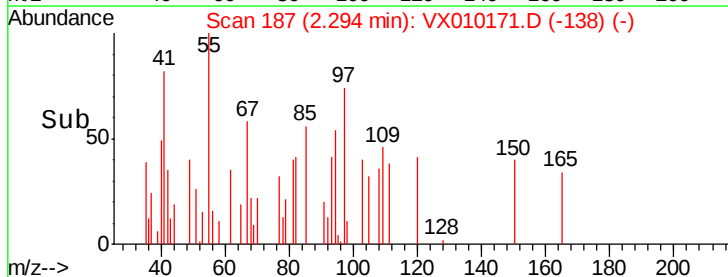
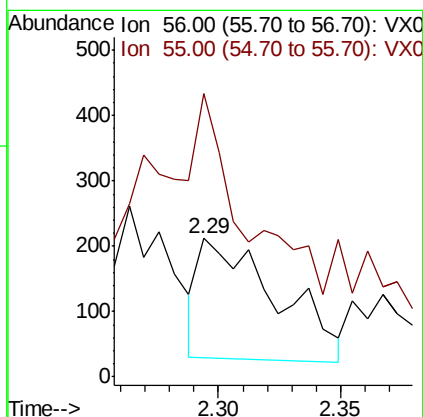
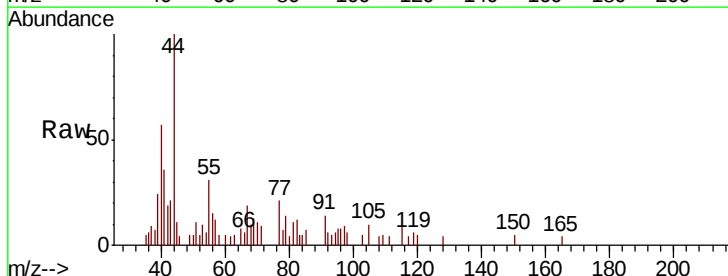
Tot Ion: 59 Resp: 1078
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

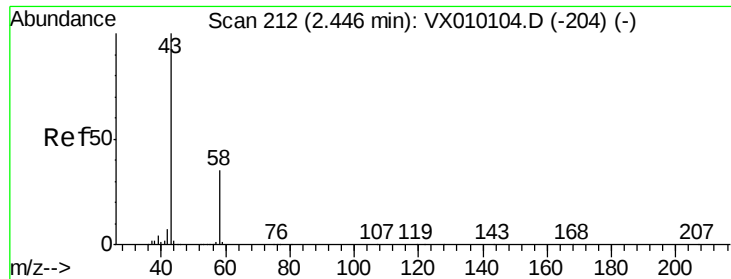


#13

Acrolein
 Concen: 3.398 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX010171.D
 Acq: 10 Jun 2019 12:38

Tgt Ion: 56 Resp: 405
 Ion Ratio Lower Upper
 56 100
 55 94.8 57.0 85.4#





#16

Acetone

Concen: 2.910 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010171.D

Acq: 10 Jun 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

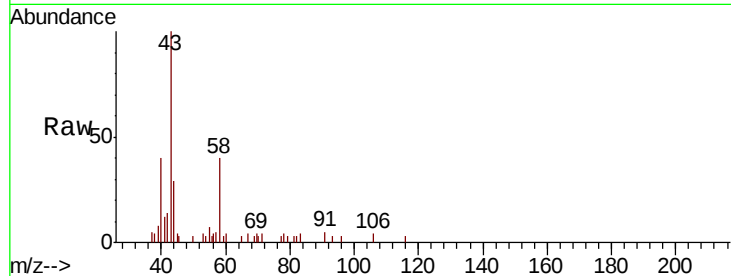
BPS1-TT-MW314S-20190605

Tot Ion: 43 Resp: 3651

Ion Ratio Lower Upper

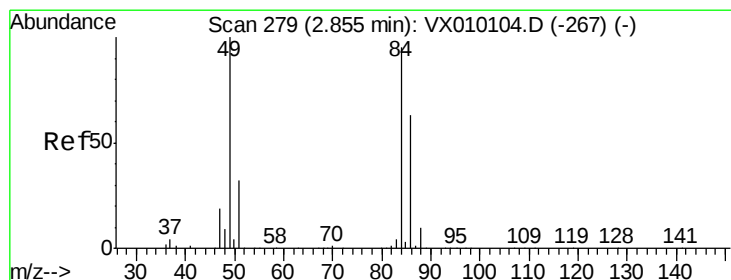
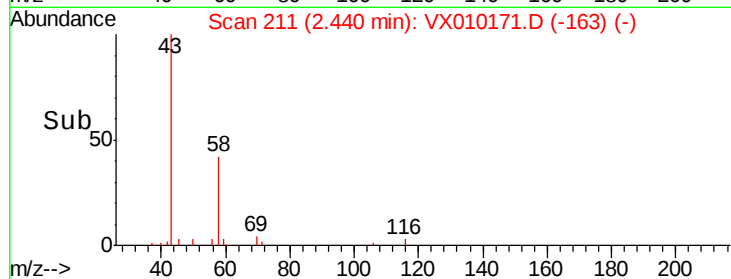
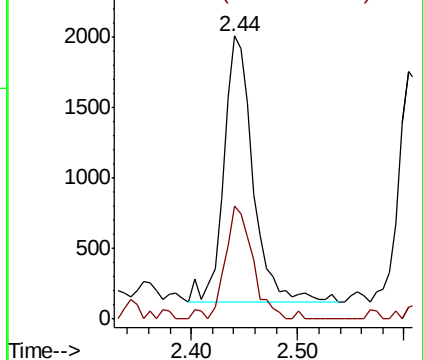
43 100

58 42.3 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.204 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX010171.D

Acq: 10 Jun 2019 12:38

Tgt Ion: 84 Resp: 561

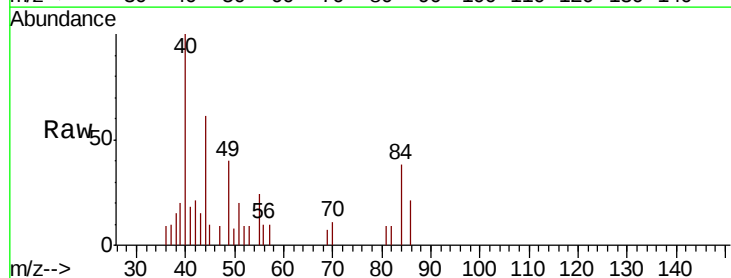
Ion Ratio Lower Upper

84 100

49 106.4 115.8 173.6#

51 53.4 34.4 51.6#

86 56.9 49.7 74.5

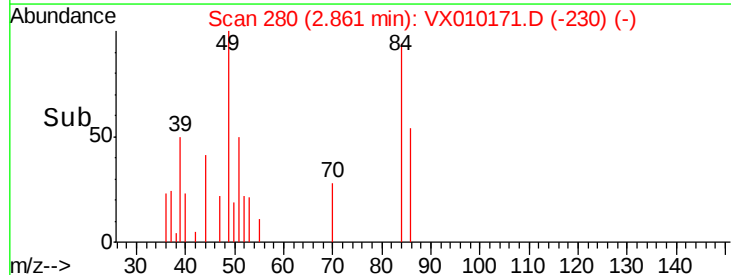
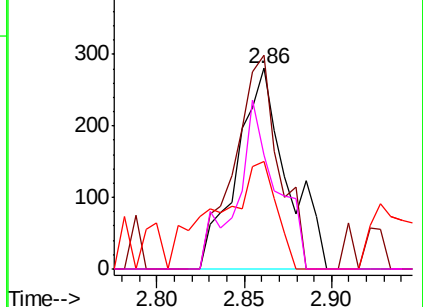


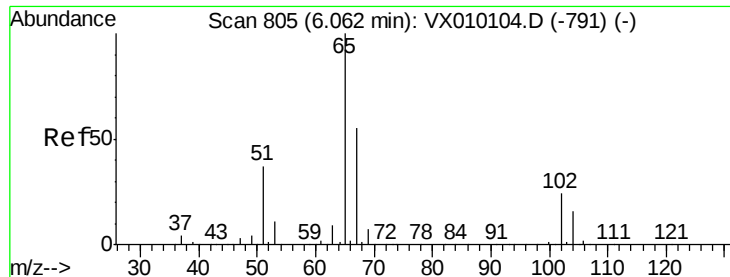
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#33

1,2-Dichloroethane-d4

Concen: 46.142 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010171.D

Acq: 10 Jun 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

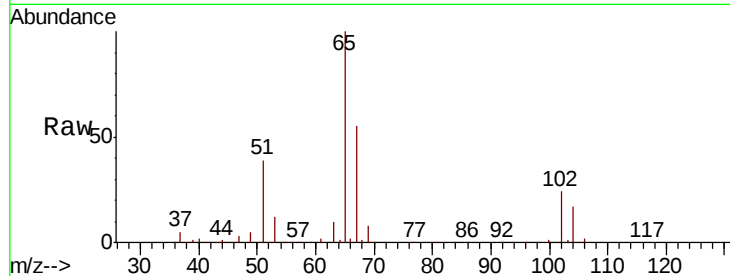
BPS1-TT-MW314S-20190605

Tot Ion: 65 Resp: 123102

Ion Ratio Lower Upper

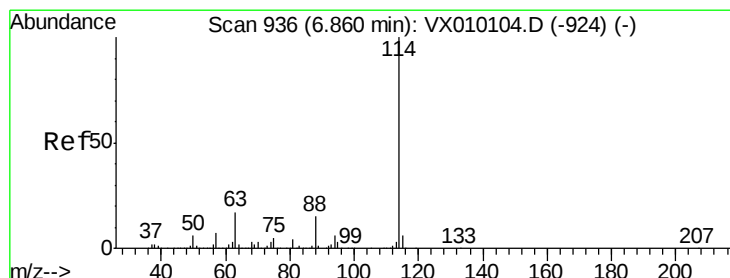
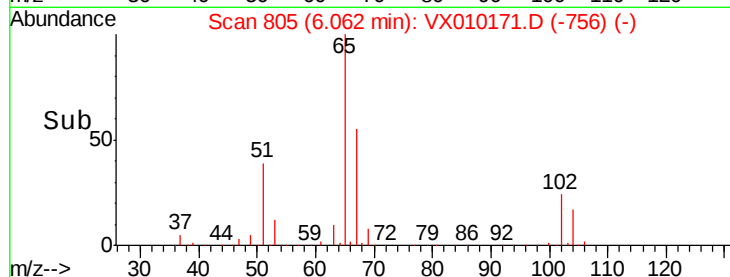
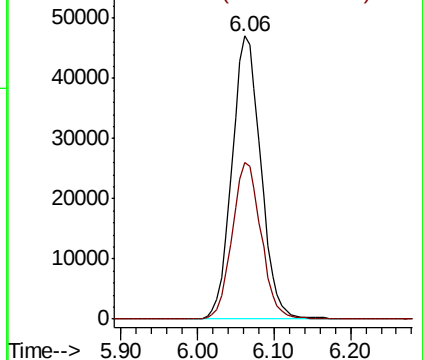
65 100

67 55.4 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: VX010171.D

Acq: 10 Jun 2019 12:38

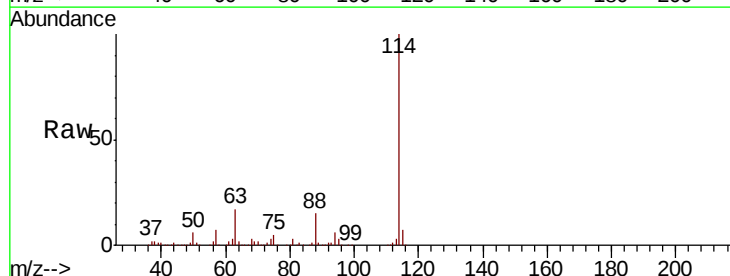
Tgt Ion: 114 Resp: 419767

Ion Ratio Lower Upper

114 100

63 16.7 0.0 47.4

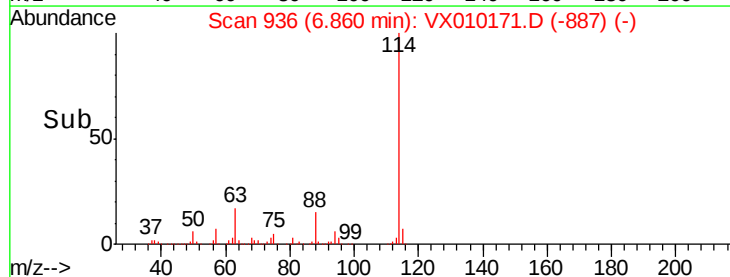
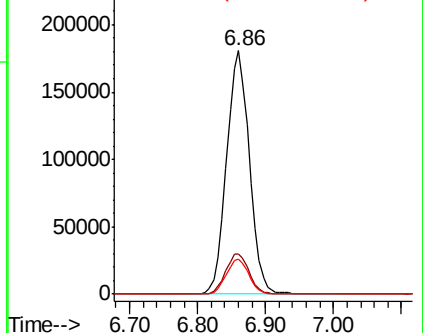
88 14.6 0.0 33.0

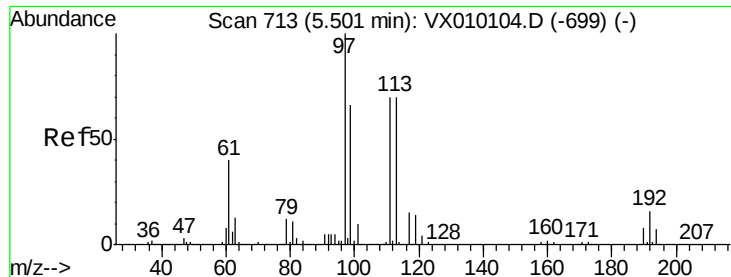


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.256 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010171.D

Acq: 10 Jun 2019 12:38

Instrument :

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ClientSampleId :

BPS1-TT-MW314S-20190605

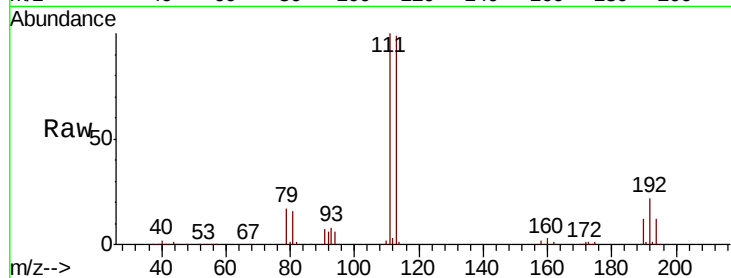
Tot Ion:113 Resp: 127534

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.2

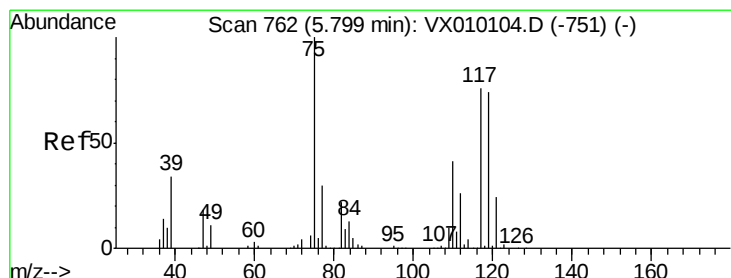
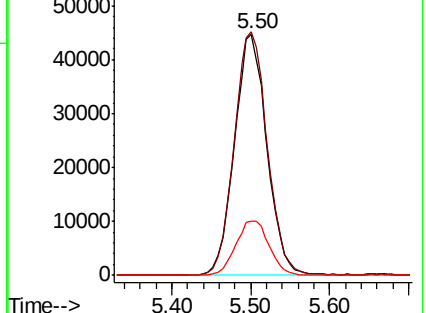
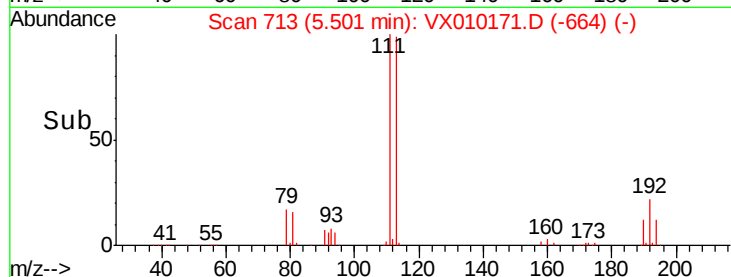
192 23.5 17.1 25.7



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: 4.731 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010171.D

Acq: 10 Jun 2019 12:38

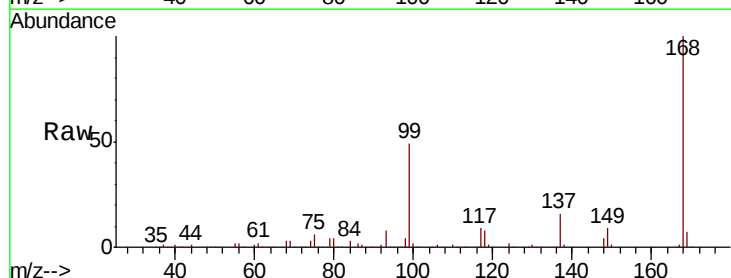
Tgt Ion: 75 Resp: 16202

Ion Ratio Lower Upper

75 100

110 10.1 16.7 50.1#

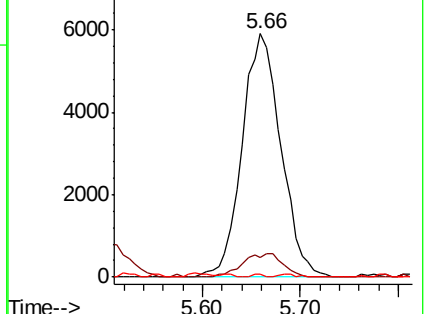
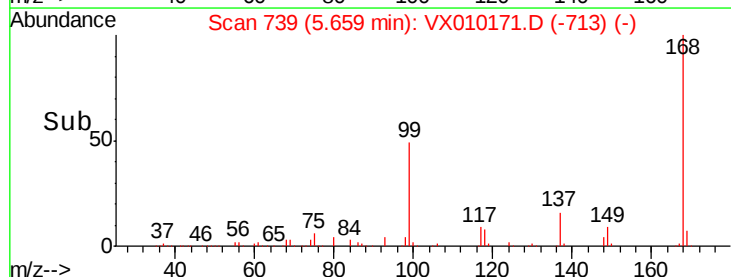
77 0.3 25.0 37.4#

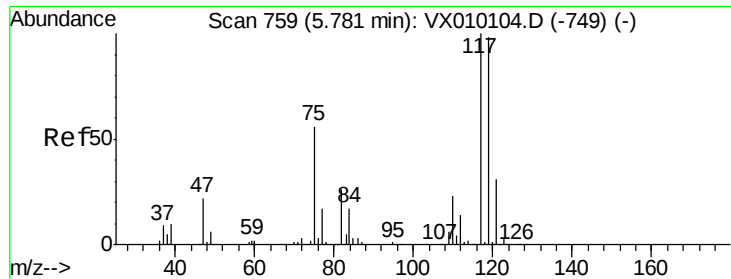


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.004 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX010171.D

Acq: 10 Jun 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW314S-20190605

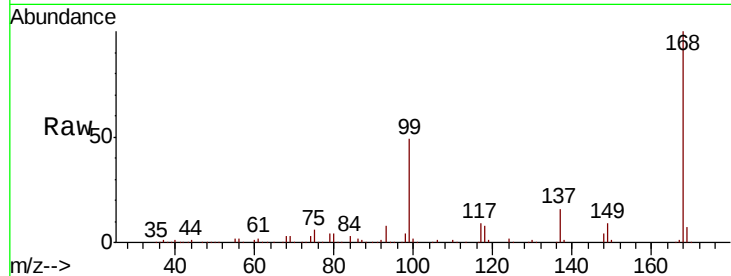
Tot Ion:117 Resp: 23275

Ion Ratio Lower Upper

117 100

119 5.4 77.3 115.9#

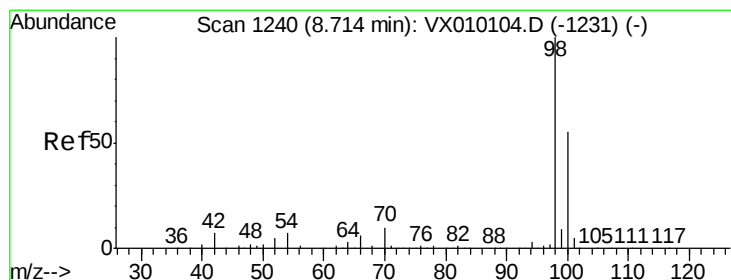
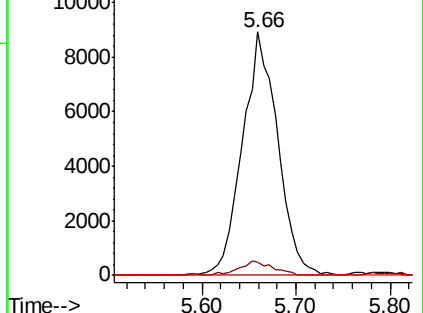
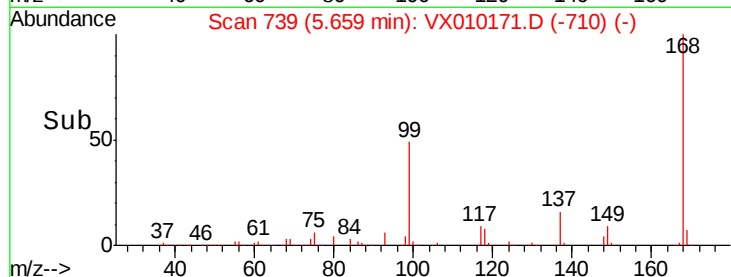
121 0.0 25.4 38.0#



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



#50

Toluene-d8

Concen: 50.903 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010171.D

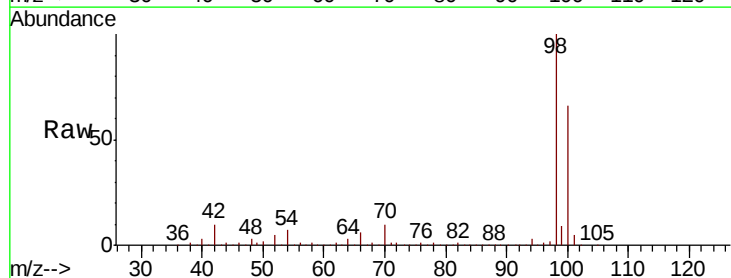
Acq: 10 Jun 2019 12:38

Tgt Ion: 98 Resp: 493958

Ion Ratio Lower Upper

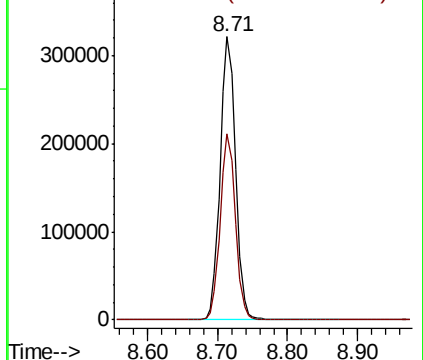
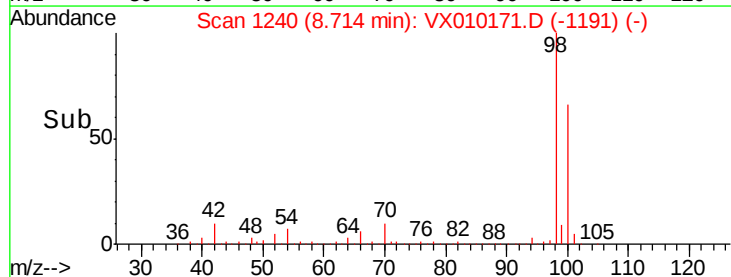
98 100

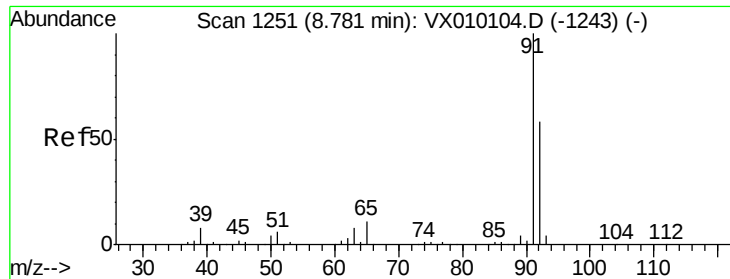
100 64.8 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 0.264 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX010171.D

Acq: 10 Jun 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

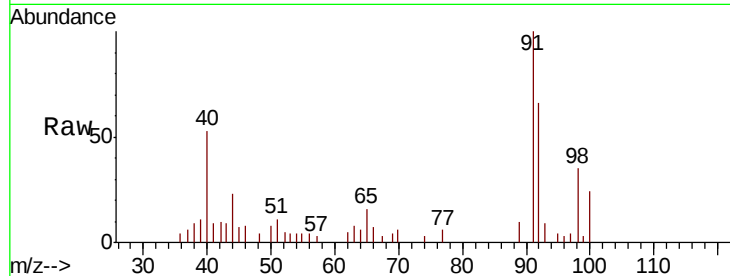
BPS1-TT-MW314S-20190605

Tot Ion: 92 Resp: 1837

Ion Ratio Lower Upper

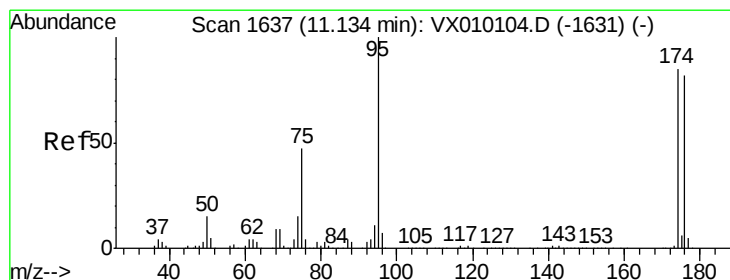
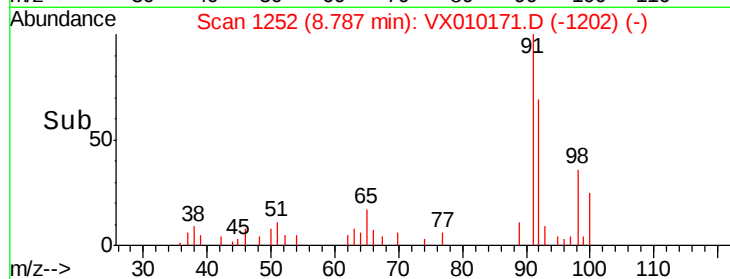
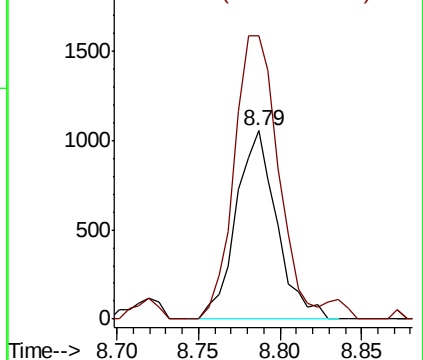
92 100

91 163.0 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.032 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010171.D

Acq: 10 Jun 2019 12:38

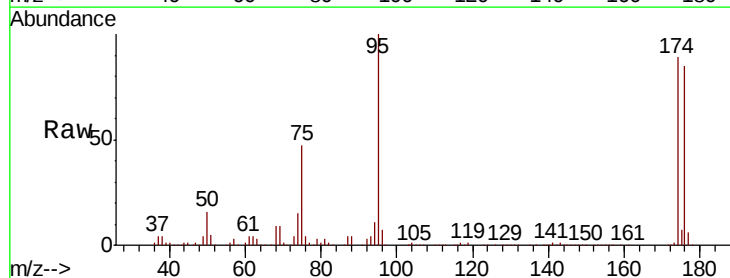
Tgt Ion: 95 Resp: 170446

Ion Ratio Lower Upper

95 100

174 94.2 0.0 160.4

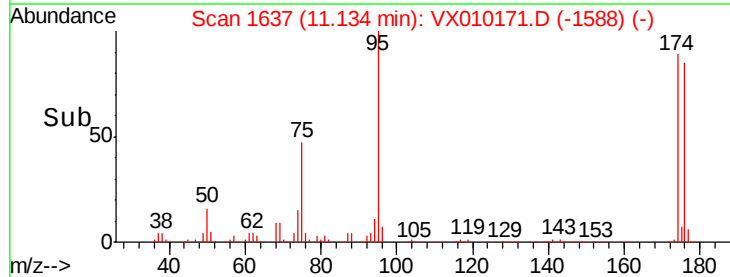
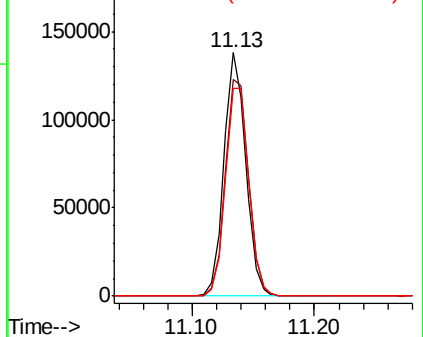
176 91.2 0.0 154.6

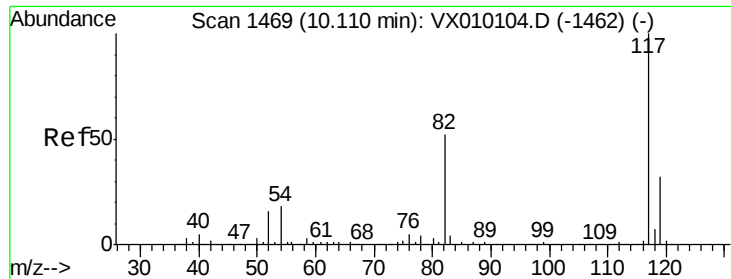


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

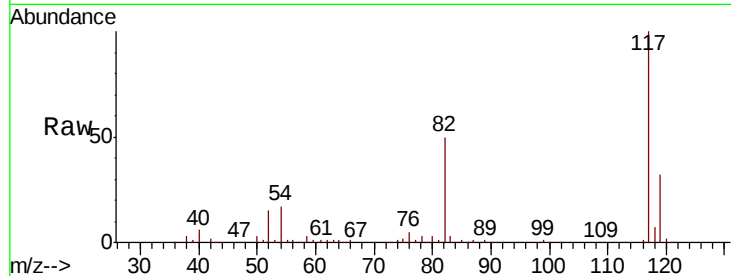




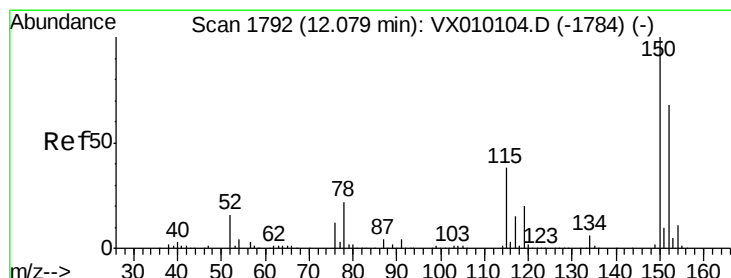
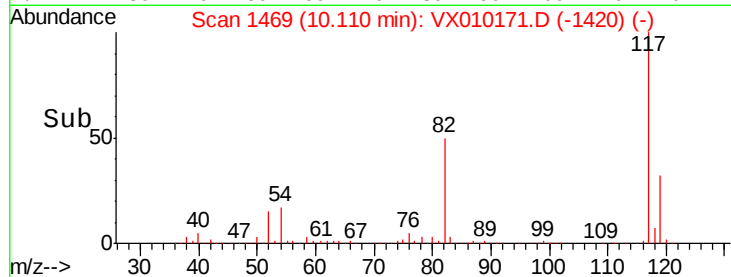
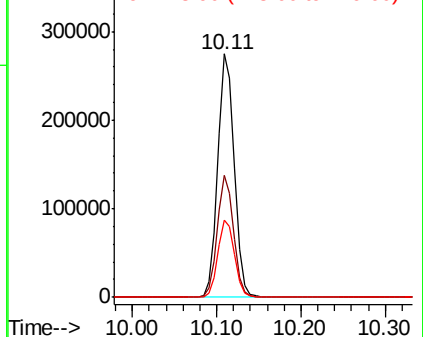
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010171.D
Acq: 10 Jun 2019 12:38

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW314S-20190605

Tot Ion:117 Resp: 374613
Ion Ratio Lower Upper
117 100
82 50.0 49.2 73.8
119 31.9 25.2 37.8

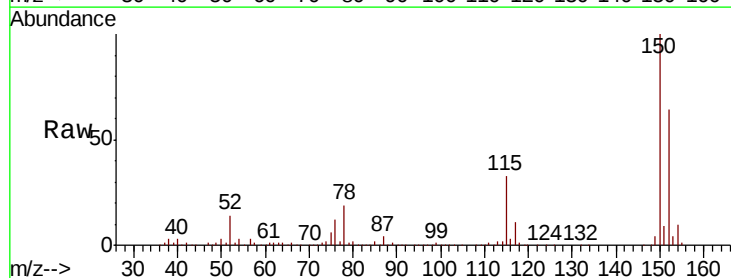


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

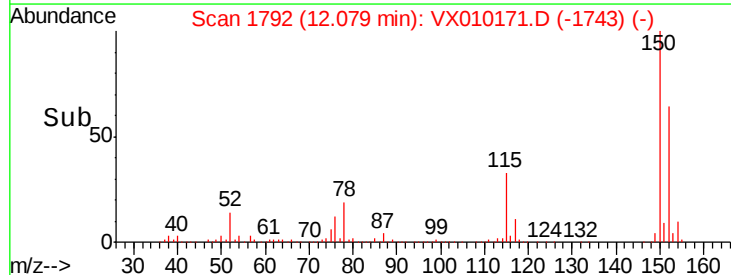
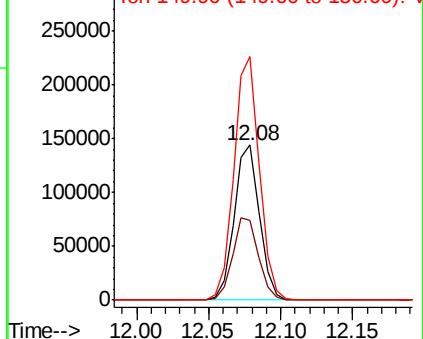


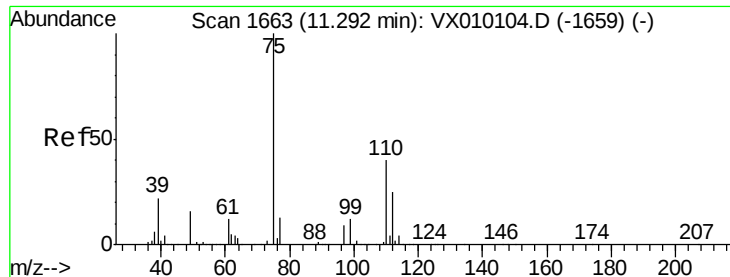
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010171.D
Acq: 10 Jun 2019 12:38

Tgt Ion:152 Resp: 176949
Ion Ratio Lower Upper
152 100
115 54.6 41.4 124.2
150 158.0 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: 22.206 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010171.D

Acq: 10 Jun 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

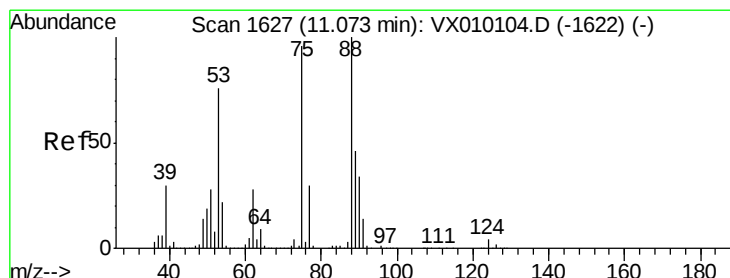
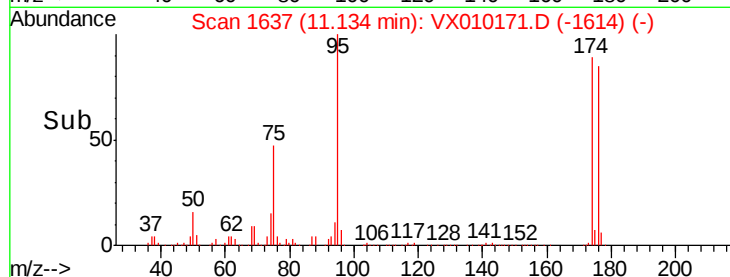
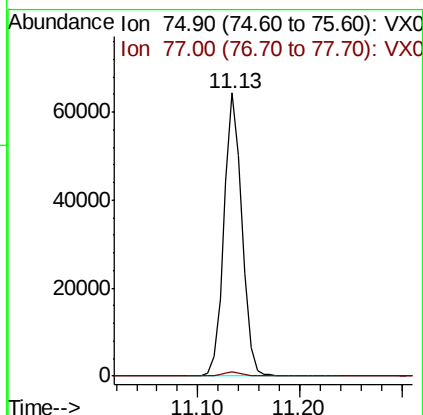
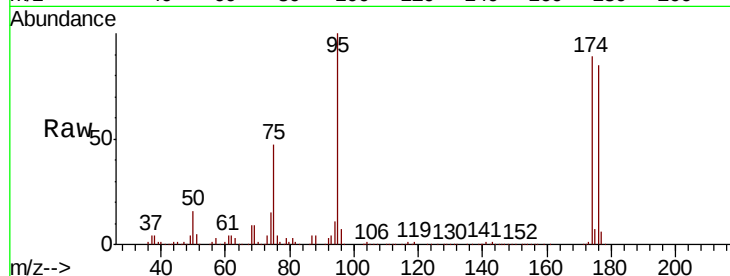
BPS1-TT-MW314S-20190605

Tot Ion: 75 Resp: 78595

Ion Ratio Lower Upper

75 100

77 1.4 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 49.063 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010171.D

Acq: 10 Jun 2019 12:38

Tgt Ion: 75 Resp: 78595

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 34.2 51.4#

