

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060819\
 Data File : VX010152.D
 Acq On : 08 Jun 2019 20:36
 Operator : JC/SP
 Sample : K3249-11 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW305D-20190606DL

Quant Time: Jun 10 08:03:42 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	5.66	168	274584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	416198	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	382751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182147	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	122588	45.74	ug/l	0.00
Spiked Amount			Recovery	=	91.48%	
35) Dibromofluoromethane	5.50	113	127281	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
50) Toluene-d8	8.71	98	490568	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	11.13	95	176717	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	

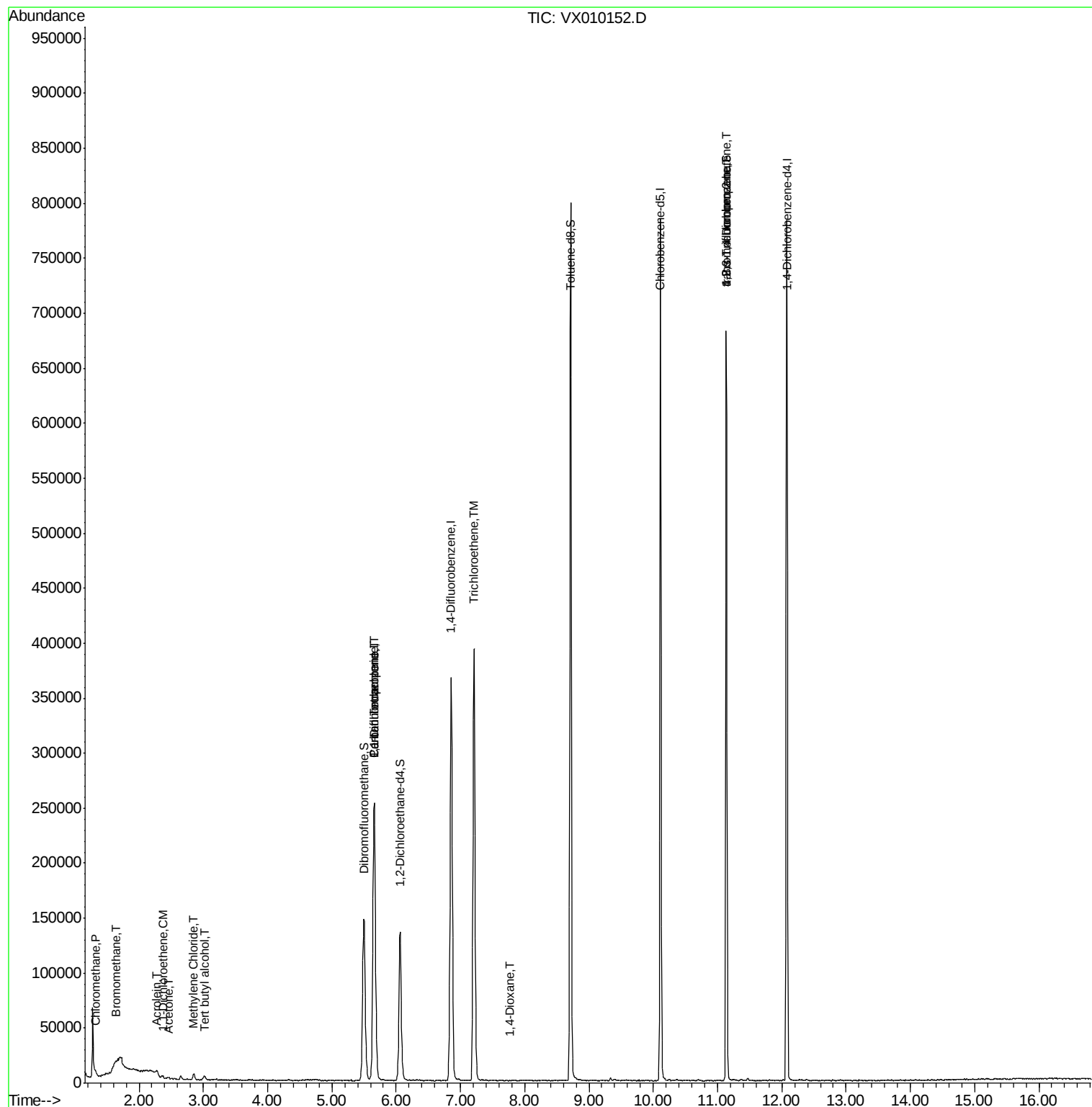
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	502	0.200	ug/l #	81
5) Bromomethane	1.65	94	333	0.374	ug/l	98
11) Tert butyl alcohol	3.01	59	1885	2.871	ug/l #	81
12) 1,1-Dichloroethene	2.37	96	555	0.225	ug/l #	57
13) Acrolein	2.28	56	352	2.940	ug/l #	78
16) Acetone	2.45	43	1471	1.167	ug/l	94
20) Methylene Chloride	2.85	84	2735	0.988	ug/l #	78
36) 1,1-Dichloropropene	5.65	75	16022	4.719	ug/l #	52
38) Carbon Tetrachloride	5.66	117	23736	6.176	ug/l #	16
44) Trichloroethene	7.21	130	167564	52.944	ug/l	86
49) 1,4-Dioxane	7.76	88	20	0.254	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	79834	21.913	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	79834	48.414	ug/l #	10

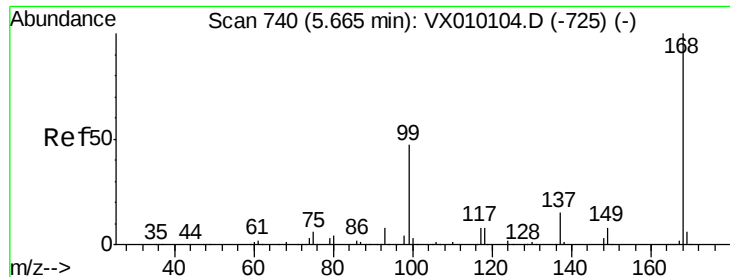
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX060819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010152.D

Acq: 08 Jun 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

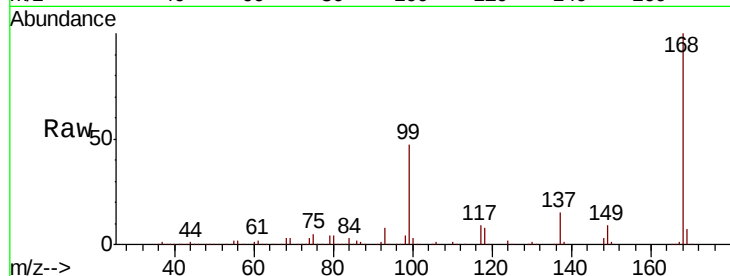
BPS1-TT-MW305D-20190606DL

Tgt Ion:168 Resp: 274584

Ion Ratio Lower Upper

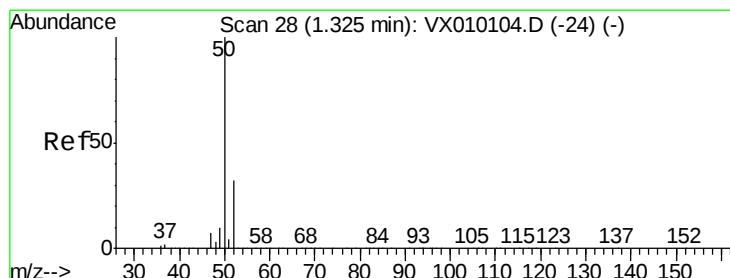
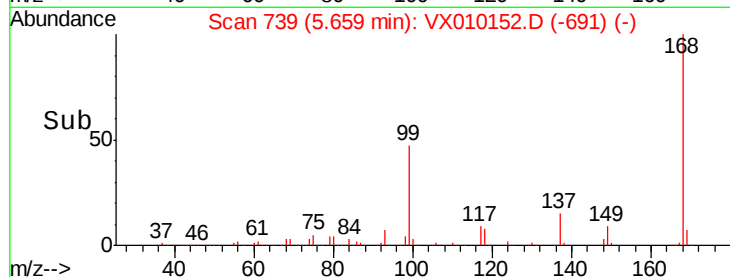
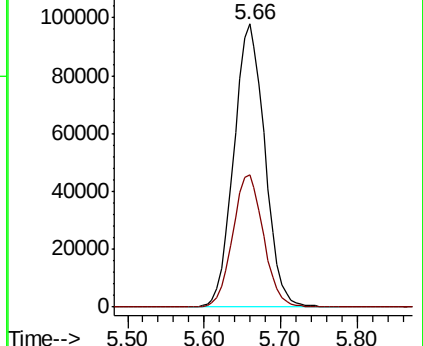
168 100

99 46.5 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: 0.200 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010152.D

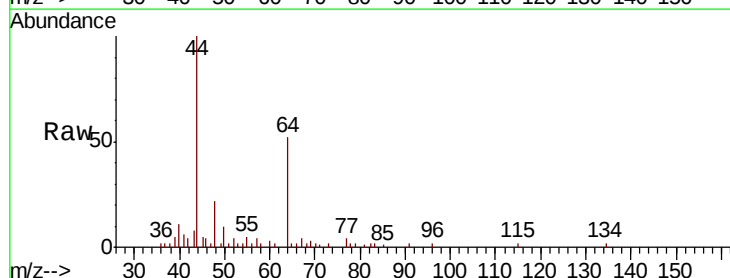
Acq: 08 Jun 2019 20:36

Tgt Ion: 50 Resp: 502

Ion Ratio Lower Upper

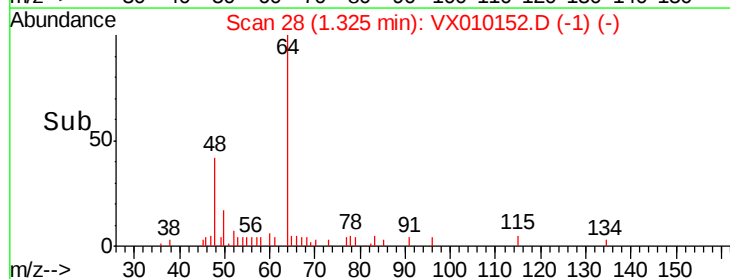
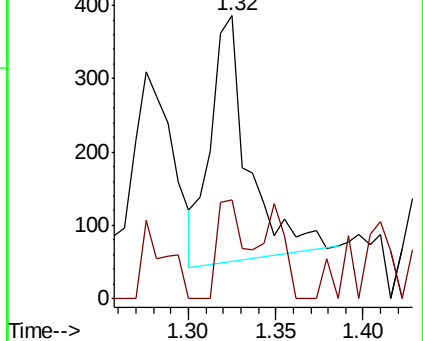
50 100

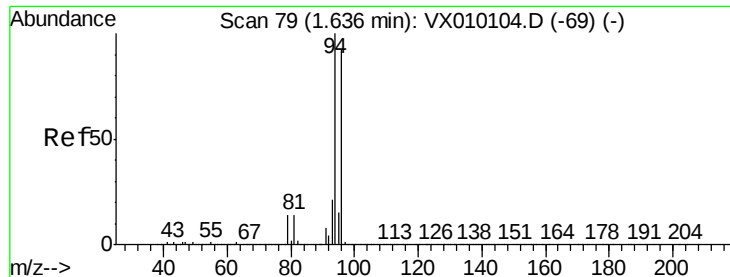
52 43.0 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.374 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010152.D

Acq: 08 Jun 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

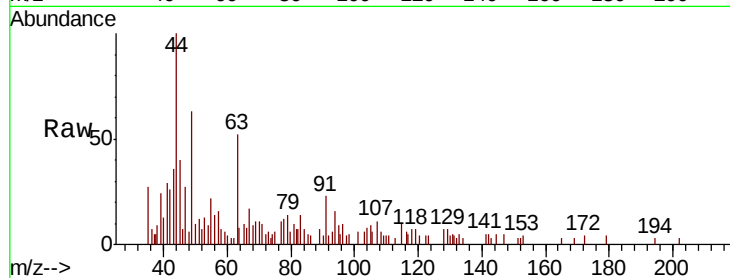
BPS1-TT-MW305D-20190606DL

Tgt Ion: 94 Resp: 333

Ion Ratio Lower Upper

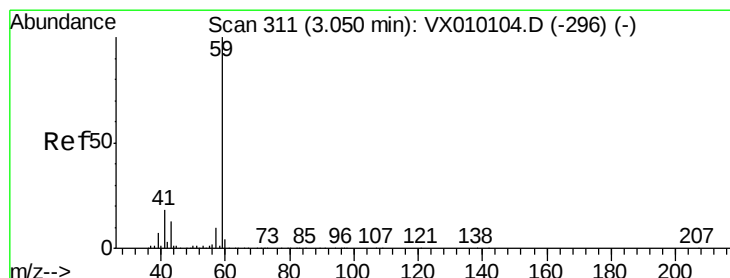
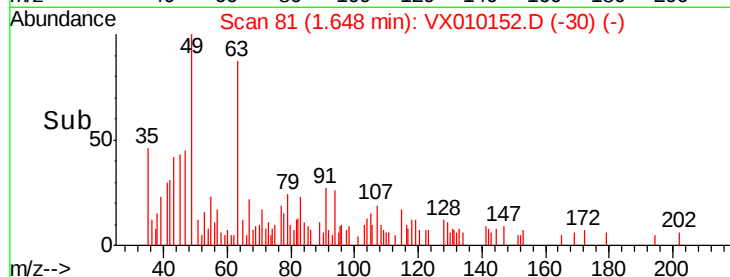
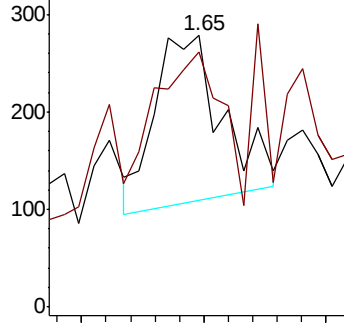
94 100

96 93.8 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 2.871 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX010152.D

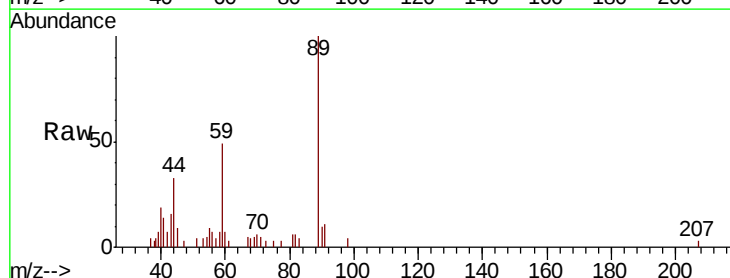
Acq: 08 Jun 2019 20:36

Tgt Ion: 59 Resp: 1885

Ion Ratio Lower Upper

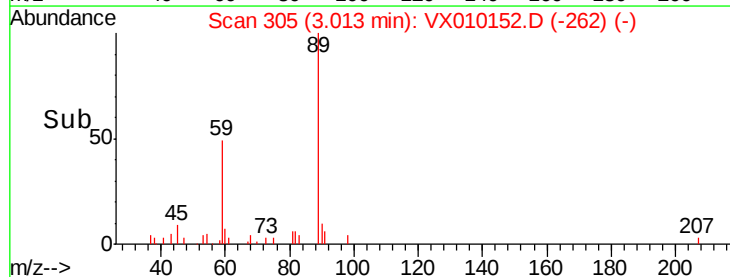
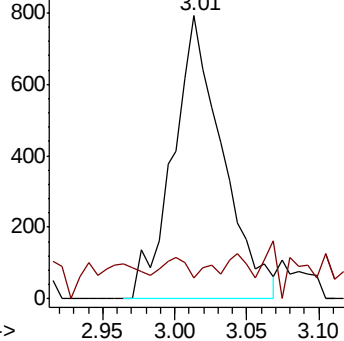
59 100

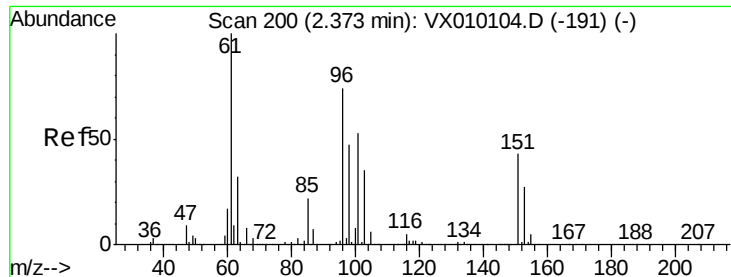
57 3.2 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

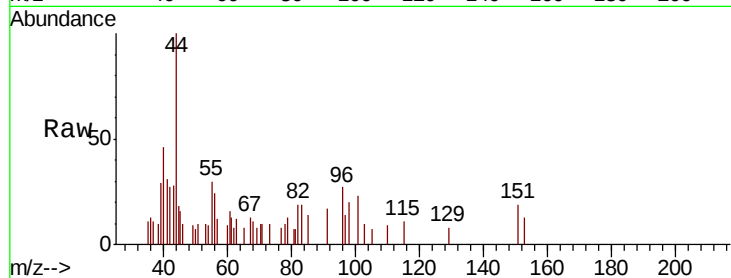




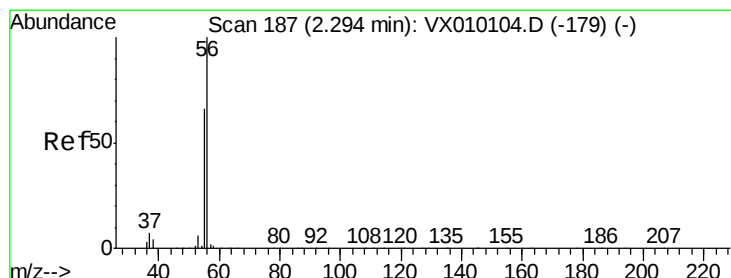
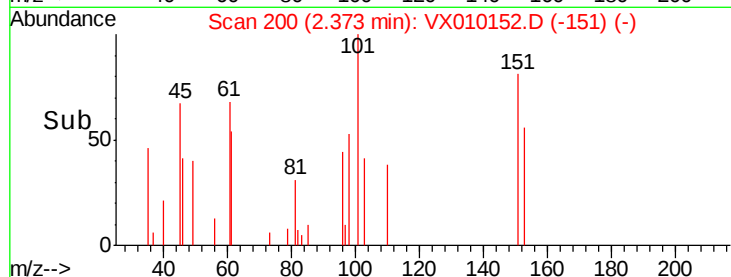
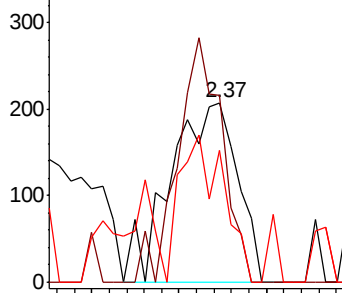
#12
 1,1-Dichloroethene
 Concen: 0.225 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX010152.D
 Acq: 08 Jun 2019 20:36

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW305D-20190606DL

Tgt Ion: 96 Resp: 555
 Ion Ratio Lower Upper
 96 100
 61 104.3 140.7 211.1#
 98 47.8 50.1 75.1#

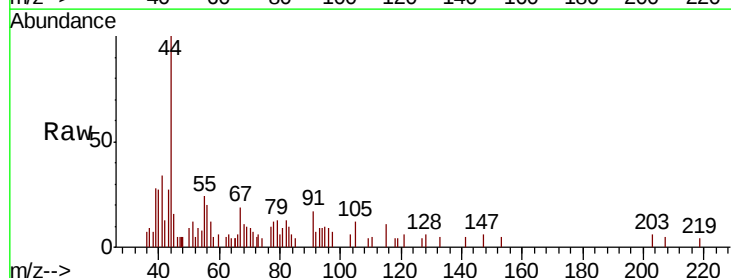


Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0

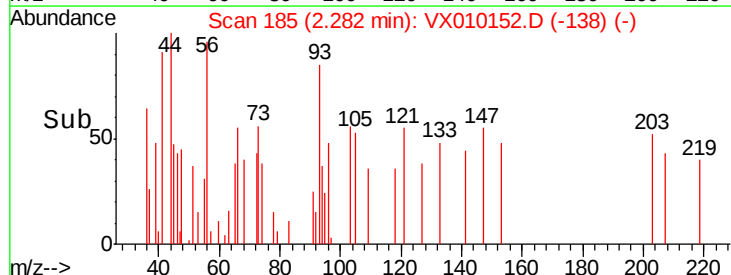
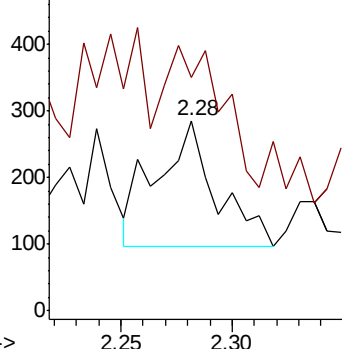


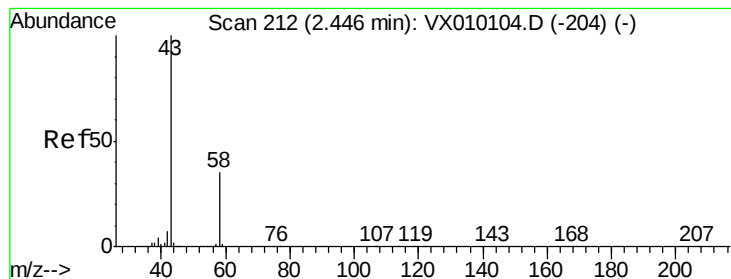
#13
 Acrolein
 Concen: 2.940 ug/l
 RT: 2.28 min Scan# 185
 Delta R.T. -0.01 min
 Lab File: VX010152.D
 Acq: 08 Jun 2019 20:36

Tgt Ion: 56 Resp: 352
 Ion Ratio Lower Upper
 56 100
 55 89.5 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.167 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010152.D

Acq: 08 Jun 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

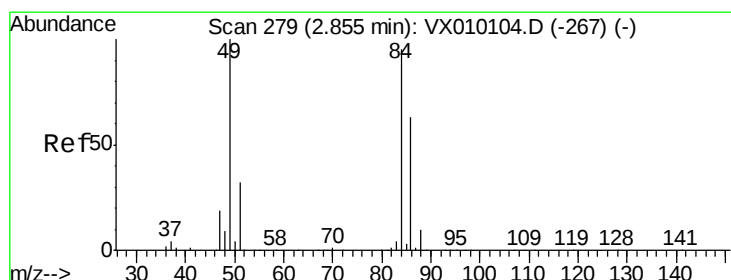
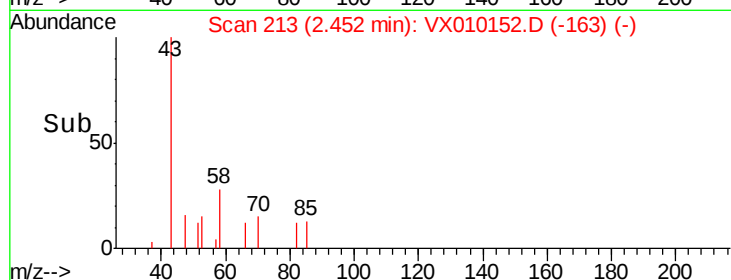
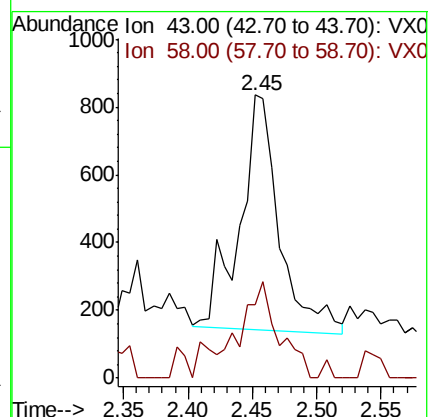
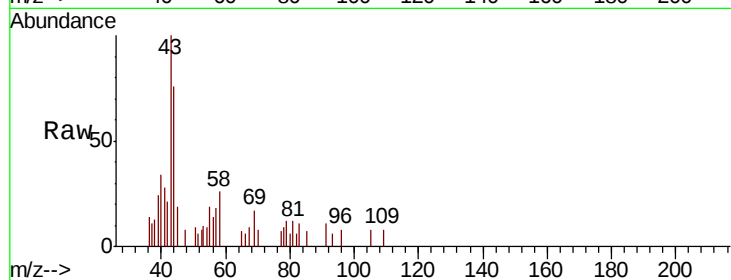
BPS1-TT-MW305D-20190606DL

Tgt Ion: 43 Resp: 1471

Ion Ratio Lower Upper

43 100

58 32.1 23.2 34.8



#20

Methylene Chloride

Concen: 0.988 ug/l

RT: 2.85 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX010152.D

Acq: 08 Jun 2019 20:36

Tgt Ion: 84 Resp: 2735

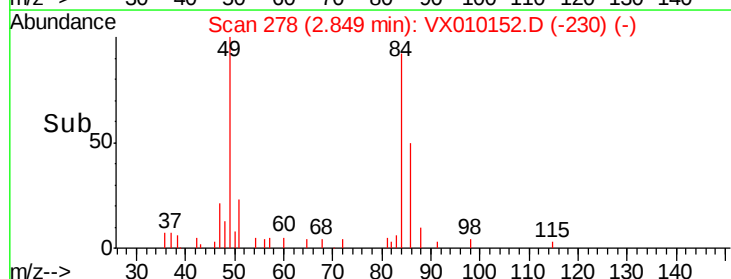
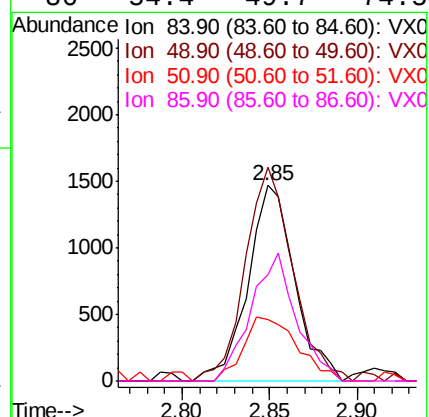
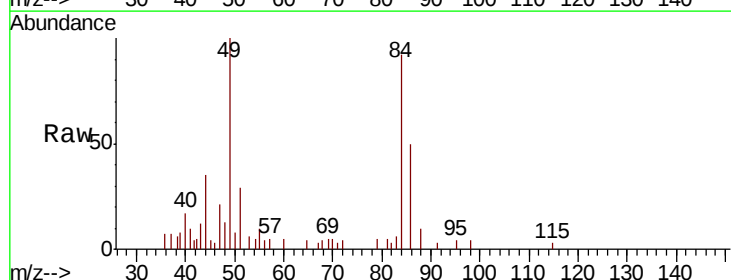
Ion Ratio Lower Upper

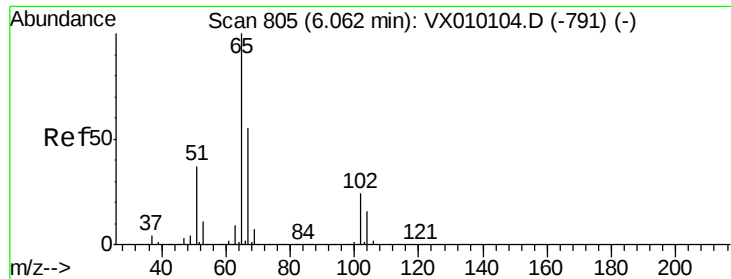
84 100

49 109.3 115.8 173.6#

51 31.3 34.4 51.6#

86 54.4 49.7 74.5

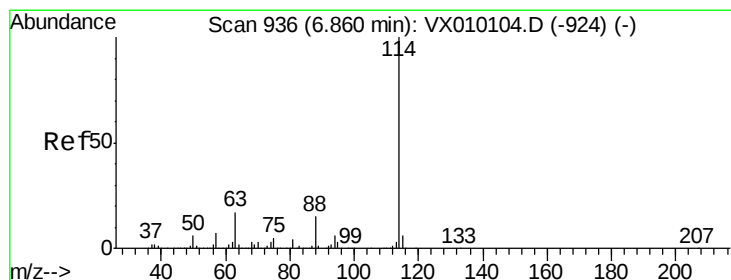
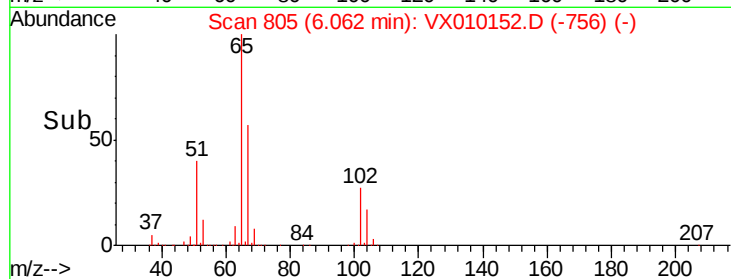
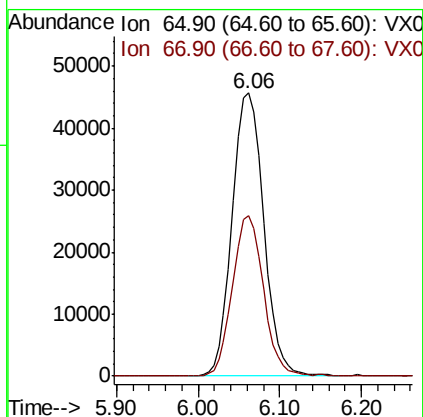
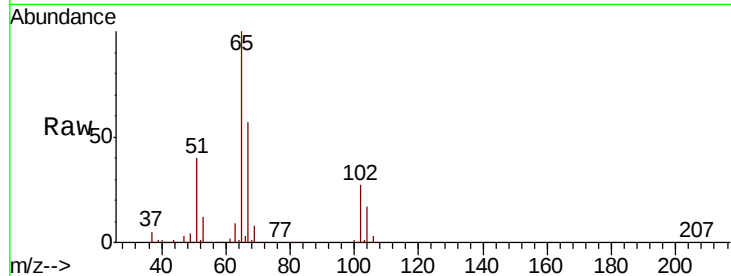




#33
 1,2-Dichloroethane-d4
 Concen: 45.737 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010152.D
 Acq: 08 Jun 2019 20:36

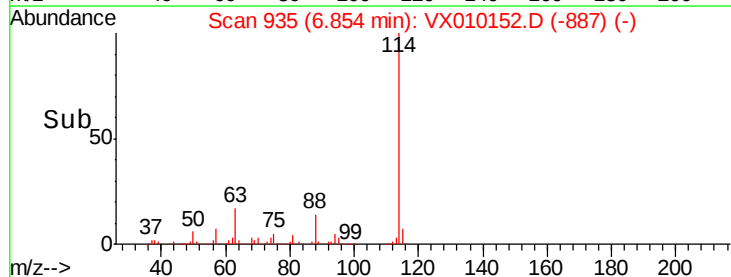
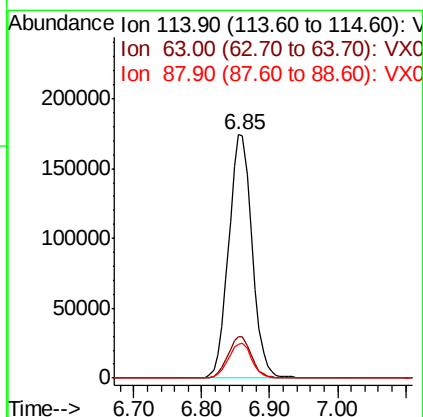
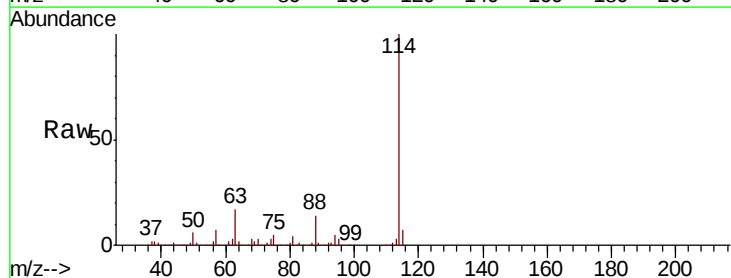
Instrument :
 MSVOA_X
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 BPS1-TT-MW305D-20190606DL

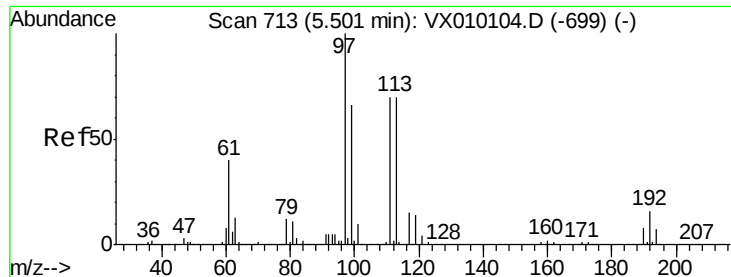
Tgt Ion: 65 Resp: 122588
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010152.D
 Acq: 08 Jun 2019 20:36

Tgt Ion: 114 Resp: 416198
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 47.4
 88 14.1 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.580 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010152.D

Acq: 08 Jun 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305D-20190606DL

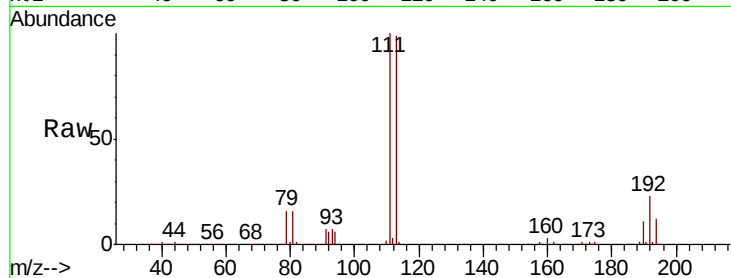
Tgt Ion:113 Resp: 127281

Ion Ratio Lower Upper

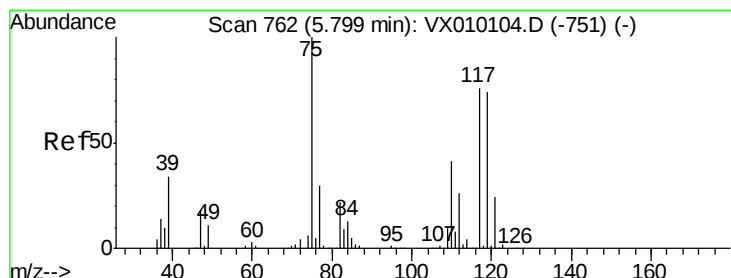
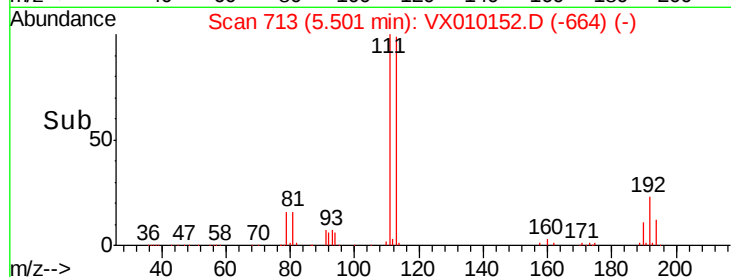
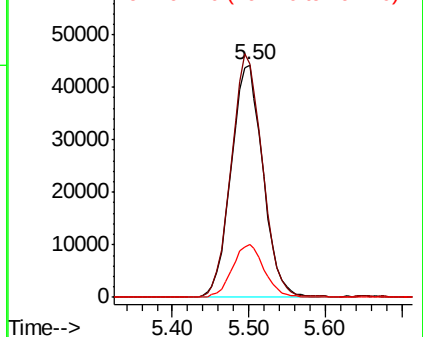
113 100

111 102.6 82.2 123.2

192 22.9 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: 4.719 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX010152.D

Acq: 08 Jun 2019 20:36

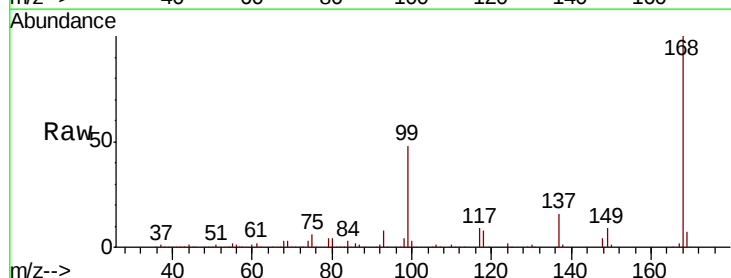
Tgt Ion: 75 Resp: 16022

Ion Ratio Lower Upper

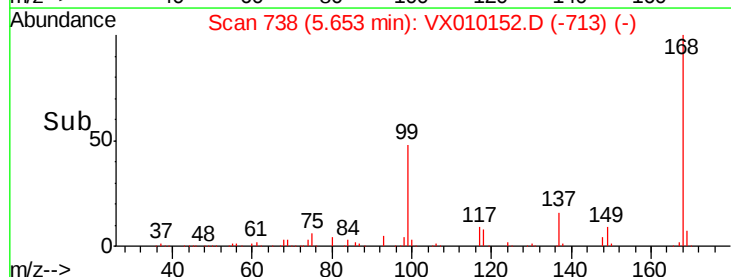
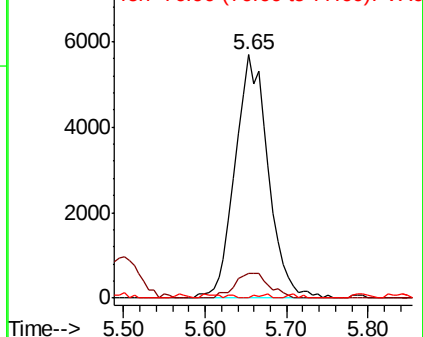
75 100

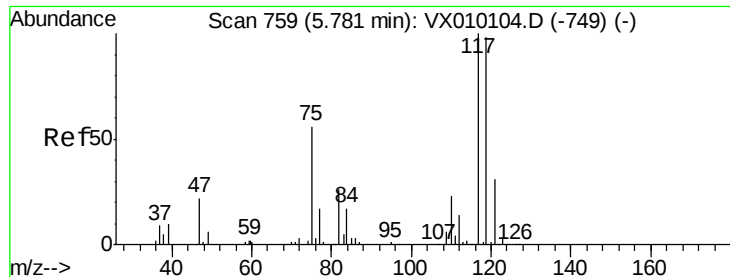
110 10.5 16.7 50.1#

77 0.0 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: 6.176 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX010152.D

Acq: 08 Jun 2019 20:36

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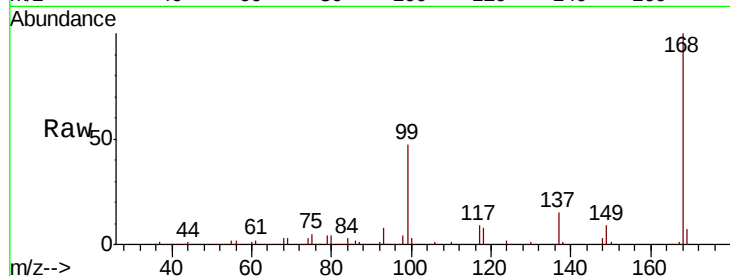
Tgt Ion:117 Resp: 23736

Ion Ratio Lower Upper

117 100

119 5.5 77.3 115.9#

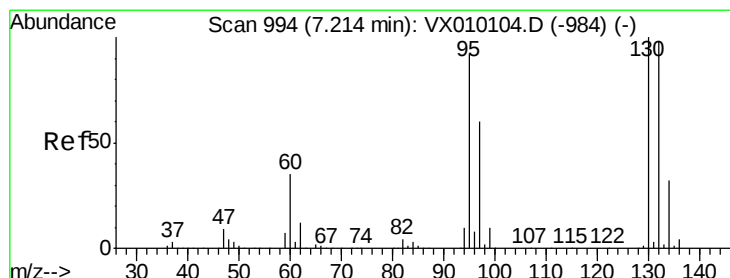
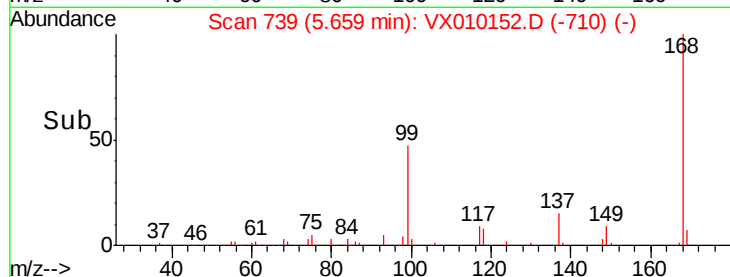
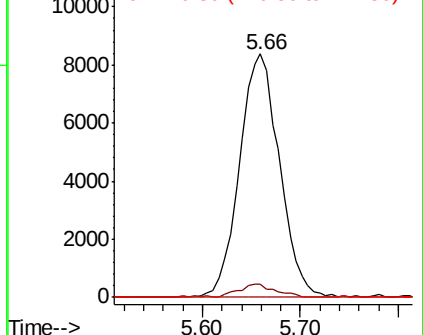
121 0.0 25.4 38.0#



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



#44

Trichloroethene

Concen: 52.944 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX010152.D

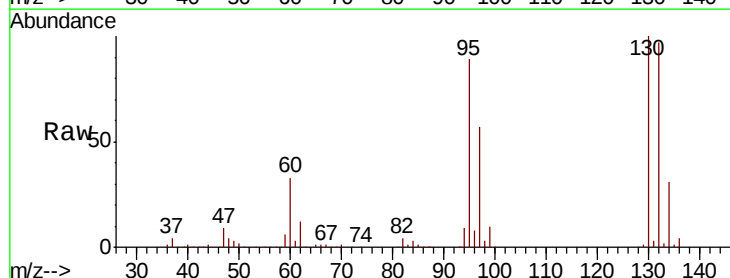
Acq: 08 Jun 2019 20:36

Tgt Ion:130 Resp: 167564

Ion Ratio Lower Upper

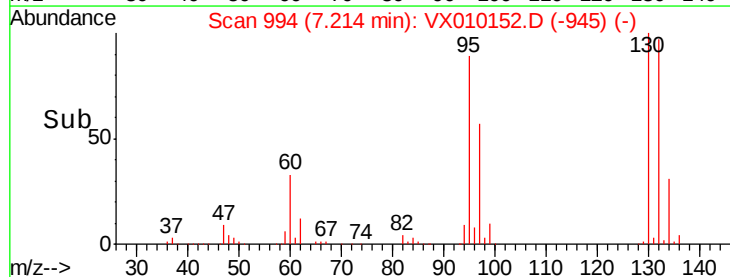
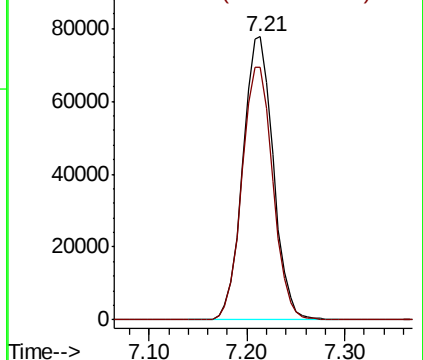
130 100

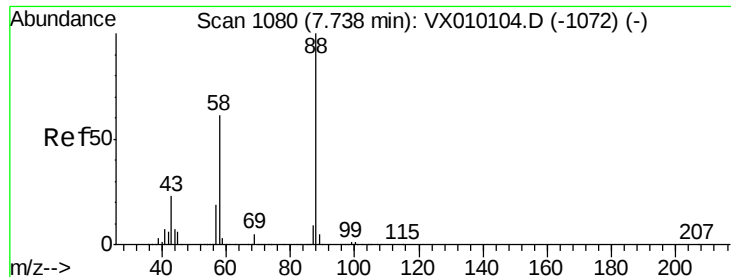
95 89.2 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

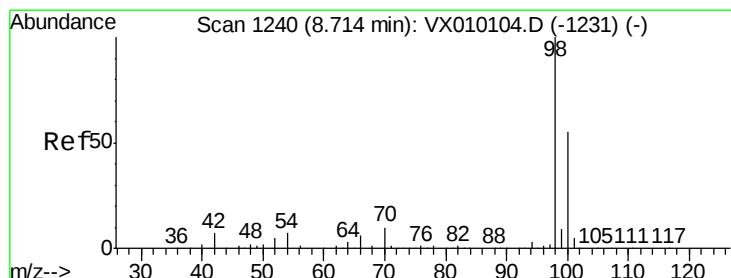
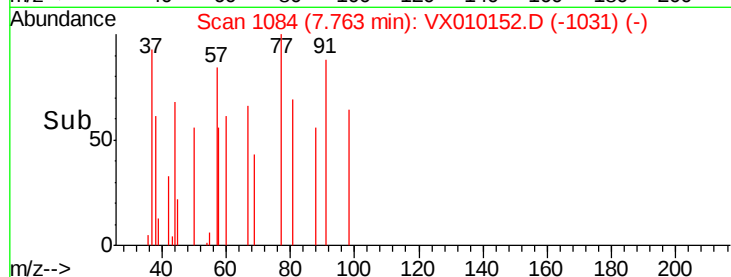
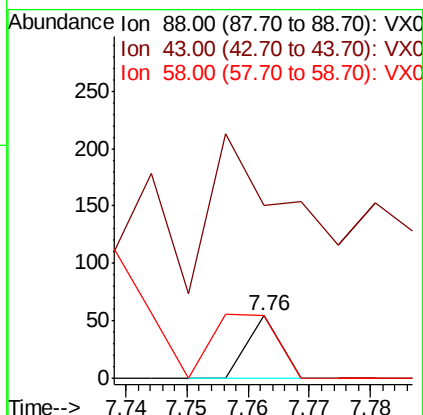
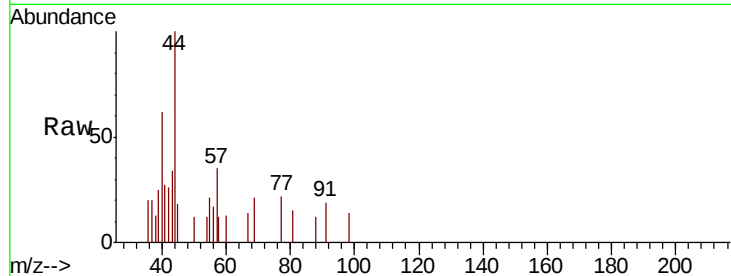




#49
1,4-Dioxane
Concen: 0.254 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.02 min
Lab File: VX010152.D
Acq: 08 Jun 2019 20:36

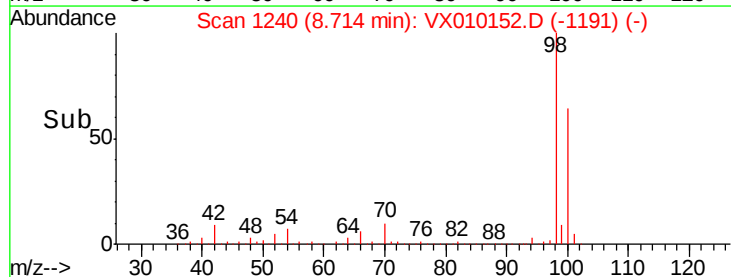
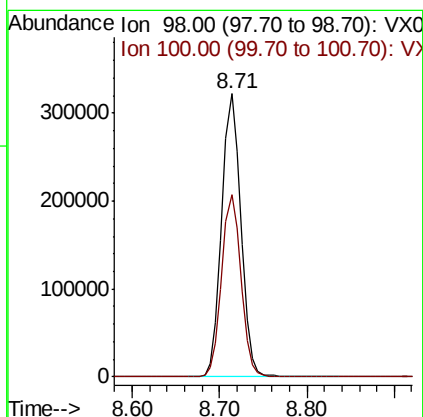
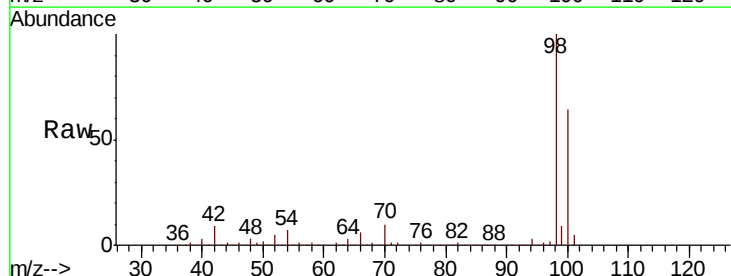
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW305D-20190606DL

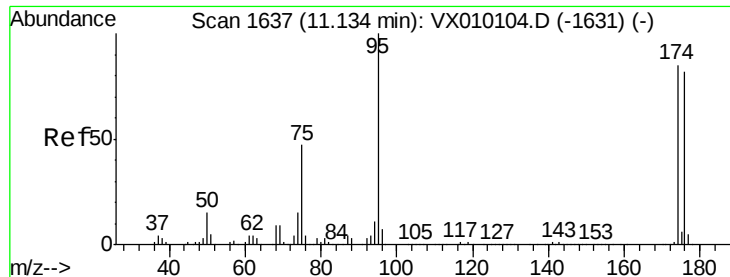
Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 625.0 30.2 45.4#
58 200.0 64.0 96.0#



#50
Toluene-d8
Concen: 50.987 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010152.D
Acq: 08 Jun 2019 20:36

Tgt Ion: 98 Resp: 490568
Ion Ratio Lower Upper
98 100
100 64.8 51.5 77.3





#62

4-Bromofluorobenzene

Concen: 49.180 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010152.D

Acq: 08 Jun 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305D-20190606DL

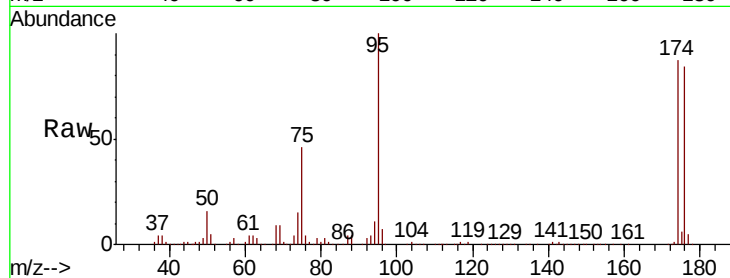
Tgt Ion: 95 Resp: 176717

Ion Ratio Lower Upper

95 100

174 92.6 0.0 160.4

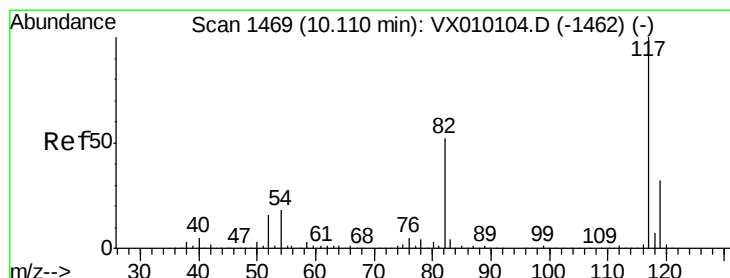
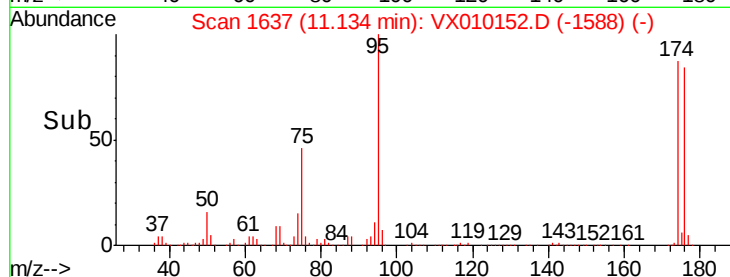
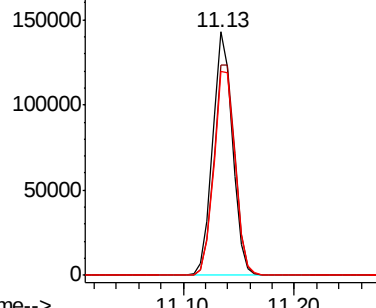
176 89.5 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX010104.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010104.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010104.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010152.D

Acq: 08 Jun 2019 20:36

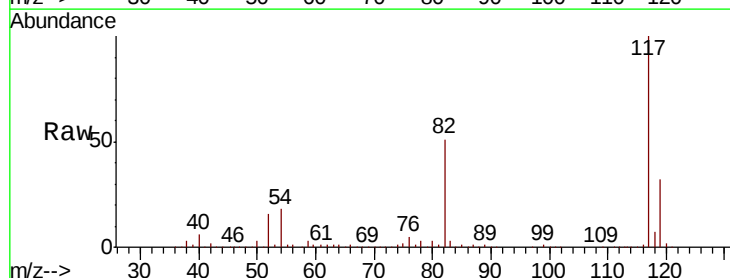
Tgt Ion: 117 Resp: 382751

Ion Ratio Lower Upper

117 100

82 51.4 49.2 73.8

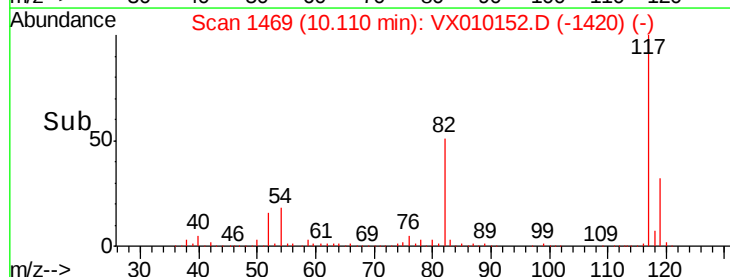
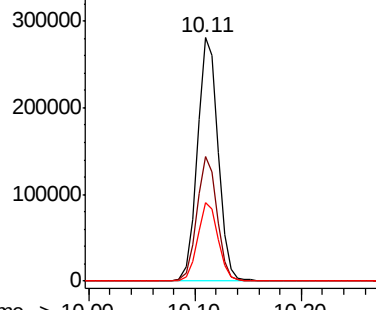
119 32.2 25.2 37.8

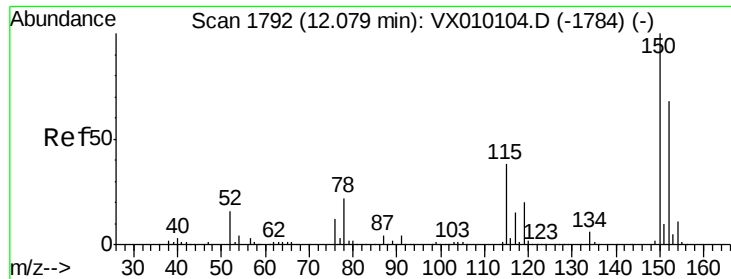


Abundance Ion 116.90 (116.60 to 117.60): VX010104.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010104.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010104.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010152.D

Acq: 08 Jun 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305D-20190606DL

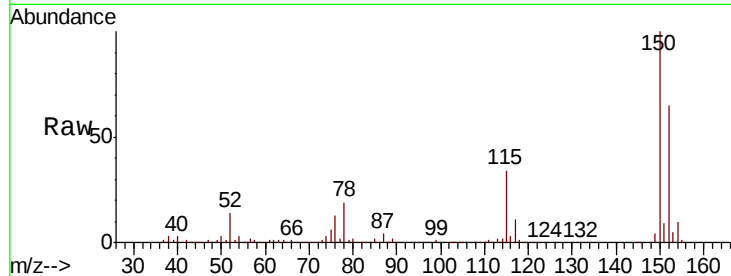
Tgt Ion:152 Resp: 182147

Ion Ratio Lower Upper

152 100

115 54.5 41.4 124.2

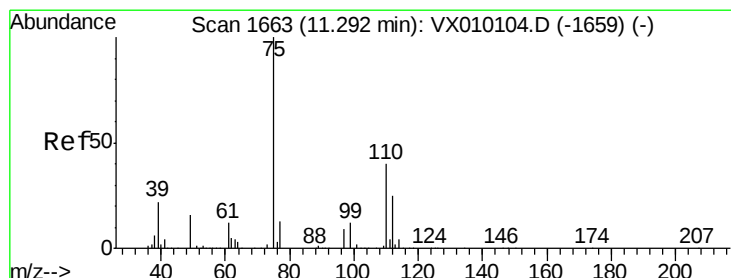
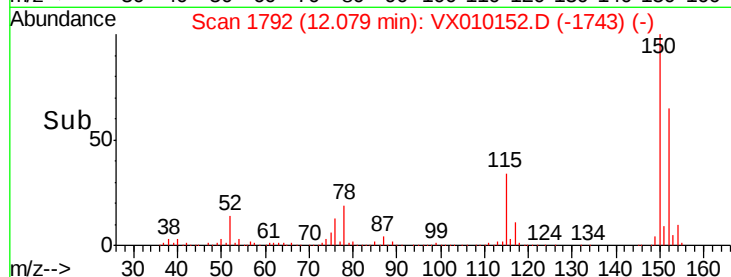
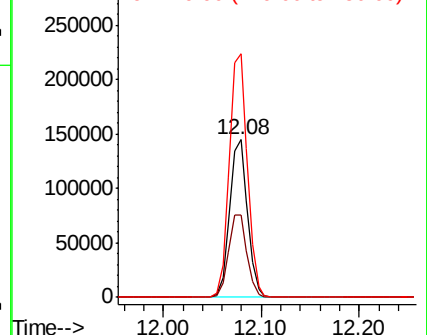
150 157.8 0.0 345.2



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: 21.913 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010152.D

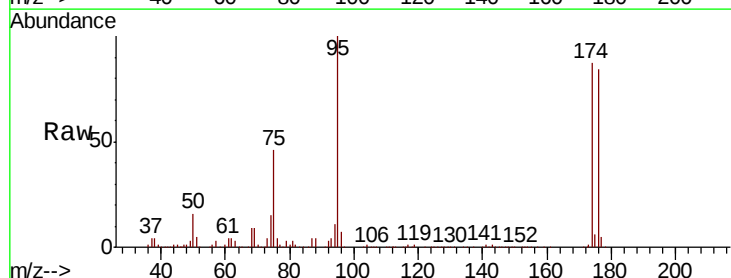
Acq: 08 Jun 2019 20:36

Tgt Ion: 75 Resp: 79834

Ion Ratio Lower Upper

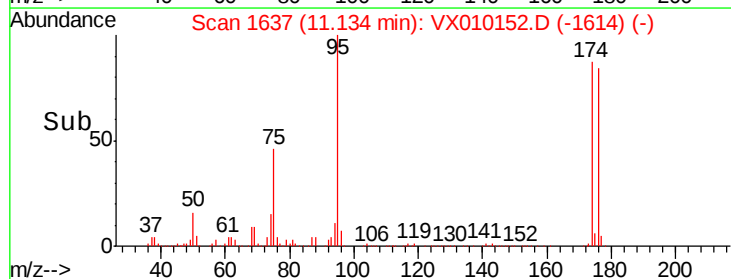
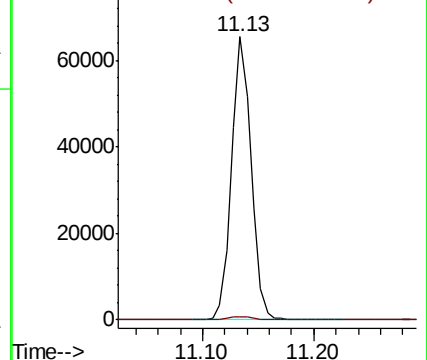
75 100

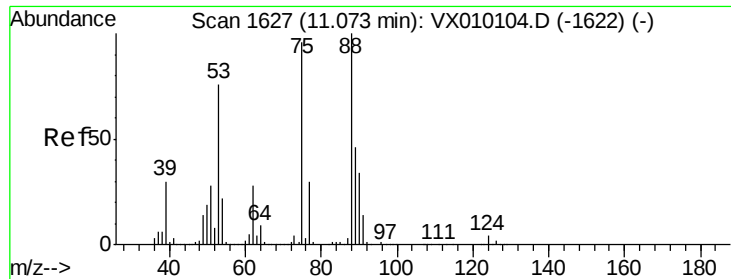
77 1.4 22.1 66.1#



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: 48.414 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010152.D

Acq: 08 Jun 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305D-20190606DL

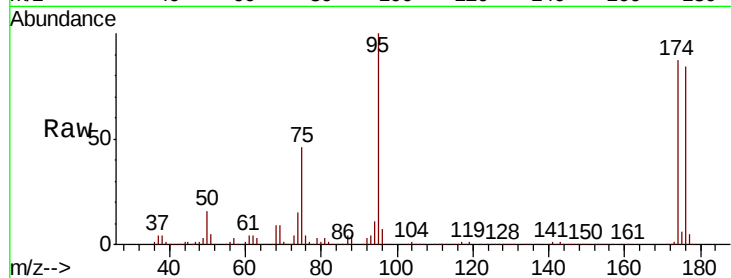
Tgt Ion: 75 Resp: 79834

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

