

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060719\
 Data File : VX010119.D
 Acq On : 07 Jun 2019 19:24
 Operator : JC/SP
 Sample : K3221-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW313S-20190605

Quant Time: Jun 08 02:23:22 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	335687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	510002	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	459434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	216882	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	156371	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	
35) Dibromofluoromethane	5.50	113	159439	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
50) Toluene-d8	8.71	98	600694	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
62) 4-Bromofluorobenzene	11.13	95	214237	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	

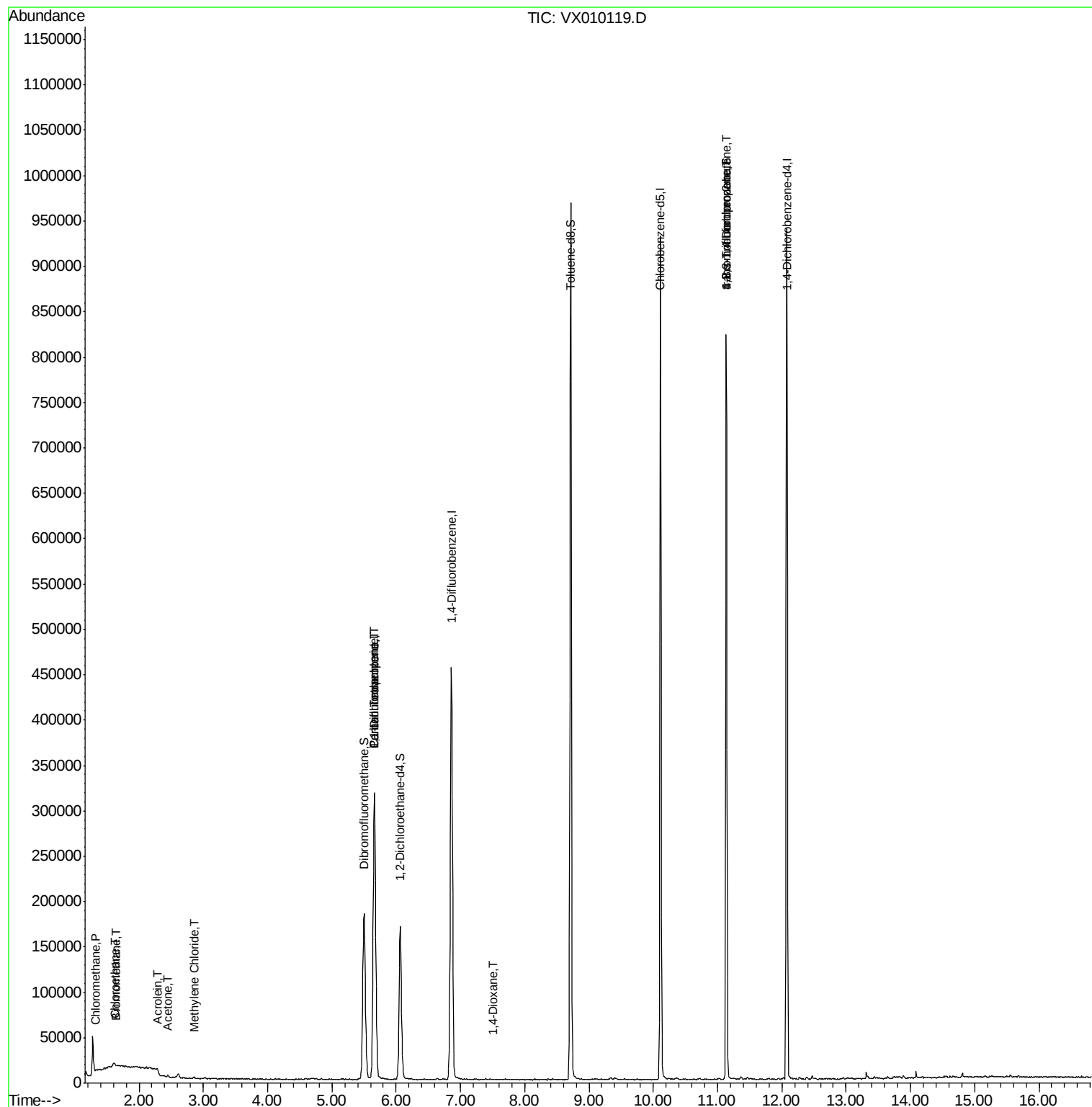
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	837	0.273	ug/l #	87
5) Bromomethane	1.64	94	306	0.281	ug/l #	19
6) Chloroethane	1.63	64	696	0.479	ug/l #	43
13) Acrolein	2.29	56	298	2.036	ug/l #	1
16) Acetone	2.44	43	2127	1.380	ug/l	95
20) Methylene Chloride	2.85	84	1020	0.301	ug/l #	68
36) 1,1-Dichloropropene	5.66	75	20314	4.882	ug/l #	52
38) Carbon Tetrachloride	5.67	117	28670	6.088	ug/l #	15
49) 1,4-Dioxane	7.50	88	22	0.228	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	96799	22.314	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	96799	49.301	ug/l #	10

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
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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: VX010119.D

Acq: 07 Jun 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

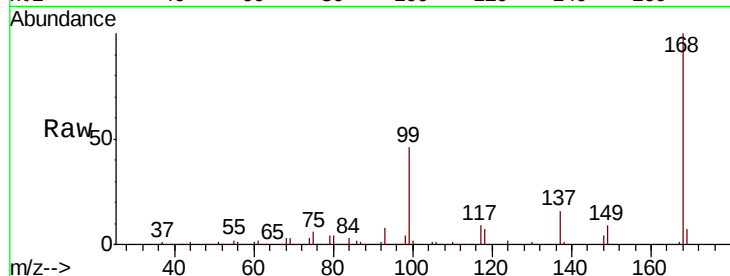
BPS1-TT-MW313S-20190605

Tot Ion:168 Resp: 335687

Ion Ratio Lower Upper

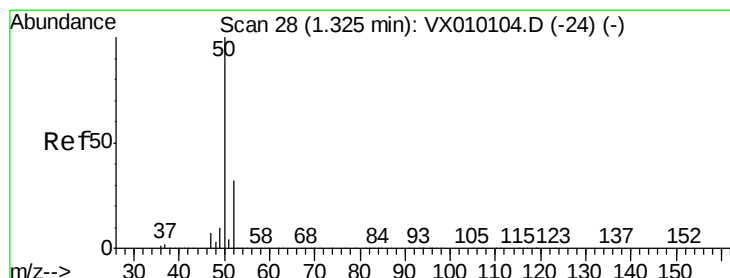
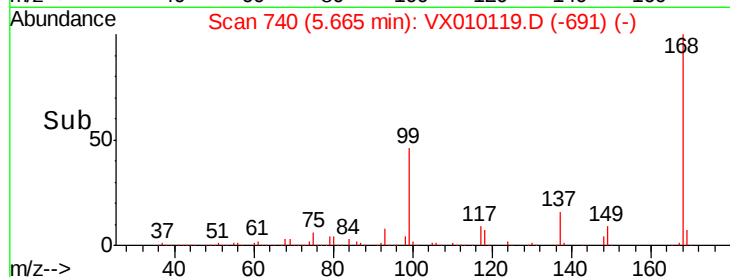
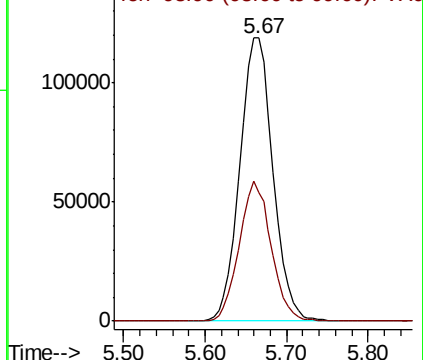
168 100

99 45.5 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: 0.273 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010119.D

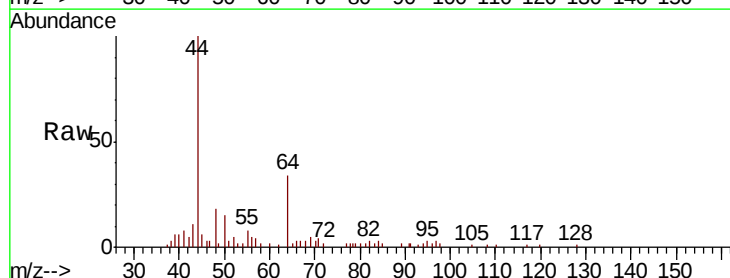
Acq: 07 Jun 2019 19:24

Tgt Ion: 50 Resp: 837

Ion Ratio Lower Upper

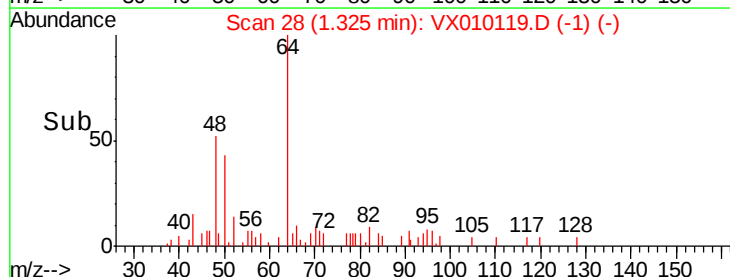
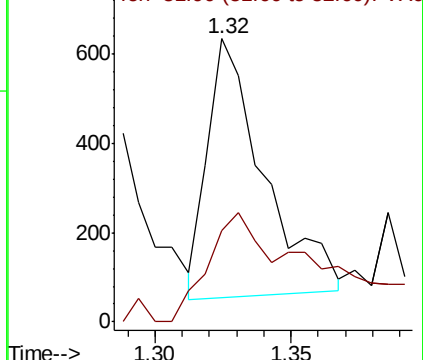
50 100

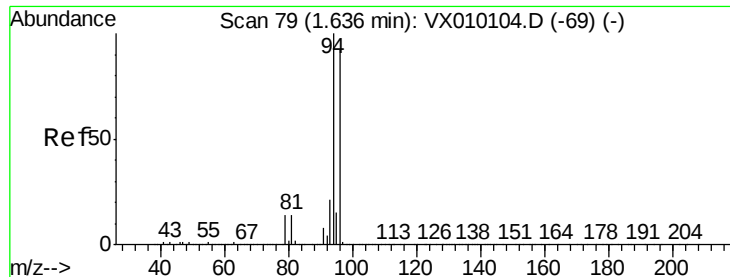
52 25.0 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.281 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010119.D

Acq: 07 Jun 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

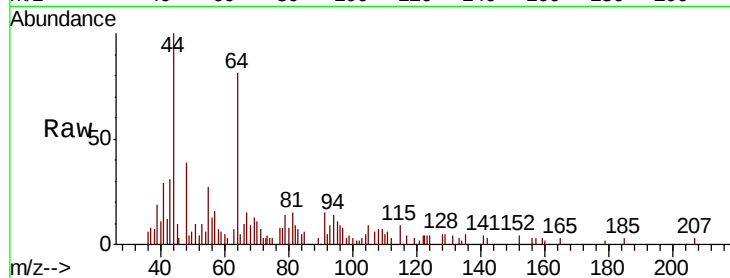
BPS1-TT-MW313S-20190605

Tot Ion: 94 Resp: 306

Ion Ratio Lower Upper

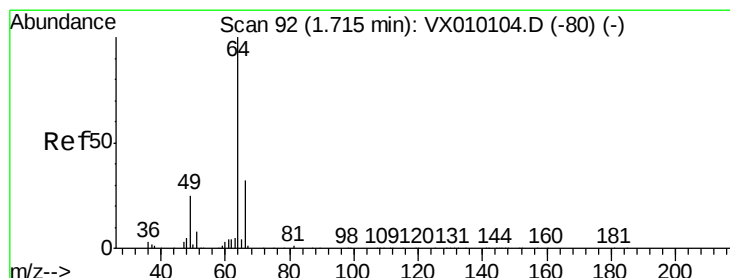
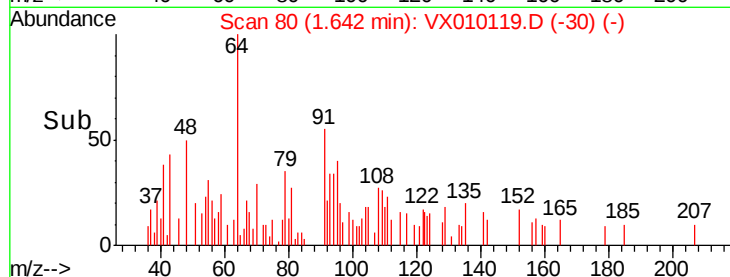
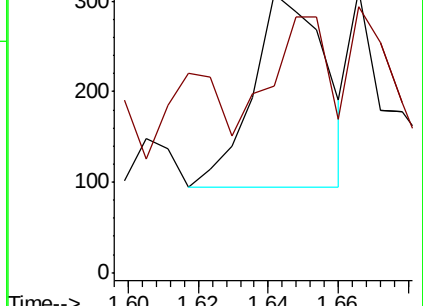
94 100

96 16.9 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.479 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.08 min

Lab File: VX010119.D

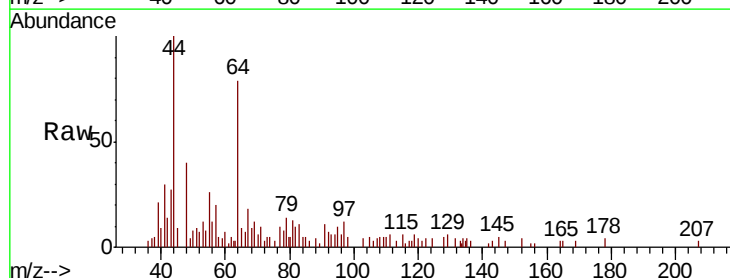
Acq: 07 Jun 2019 19:24

Tgt Ion: 64 Resp: 696

Ion Ratio Lower Upper

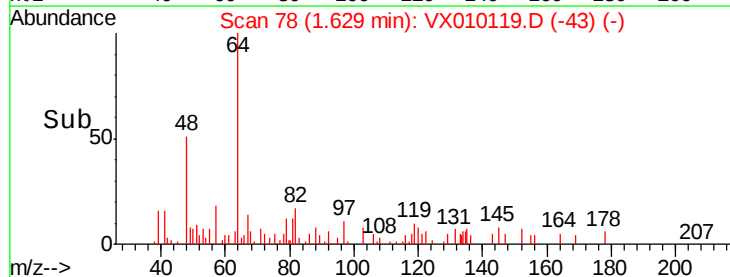
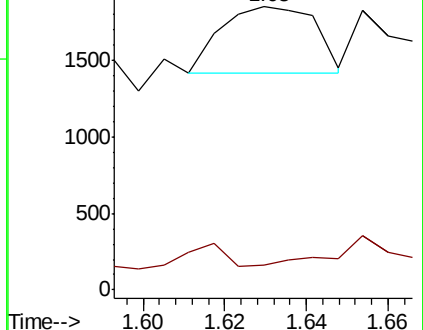
64 100

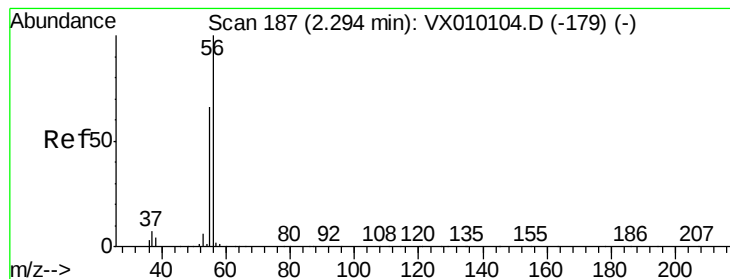
66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#13

Acrolein

Concen: 2.036 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX010119.D

Acq: 07 Jun 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

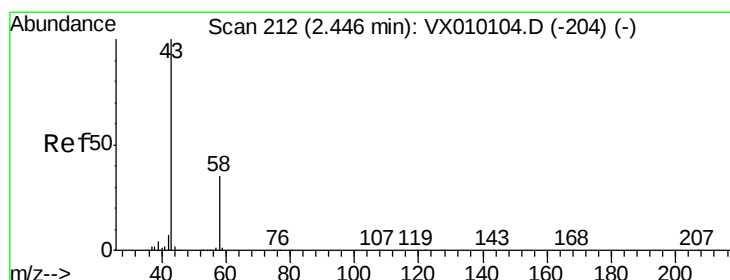
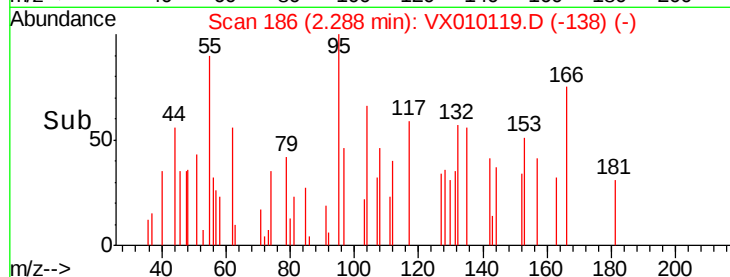
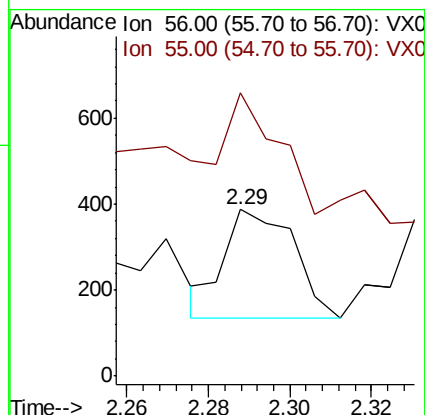
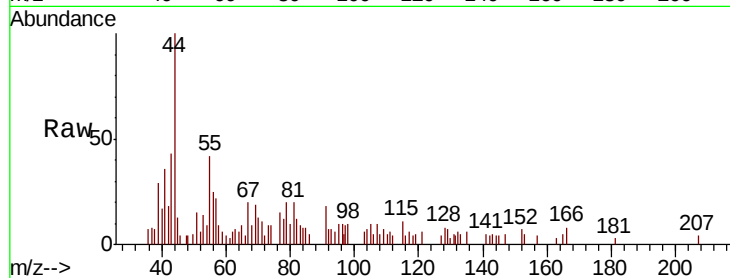
BPS1-TT-MW313S-20190605

Tot Ion: 56 Resp: 298

Ion Ratio Lower Upper

56 100

55 156.7 57.0 85.4#



#16

Acetone

Concen: 1.380 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010119.D

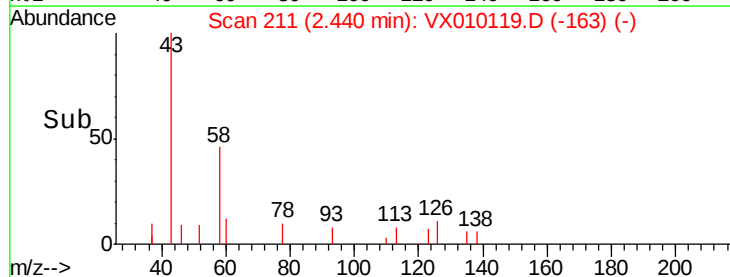
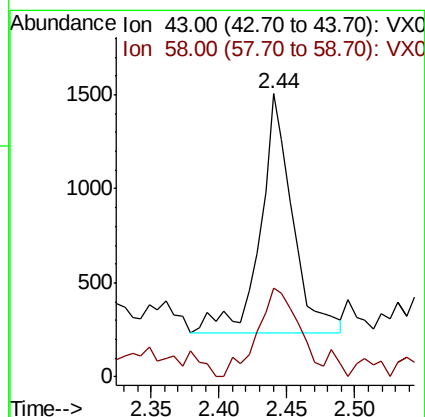
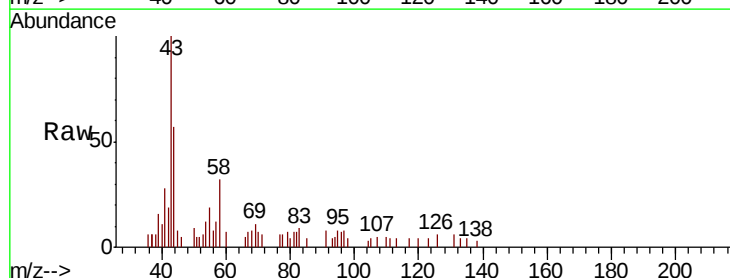
Acq: 07 Jun 2019 19:24

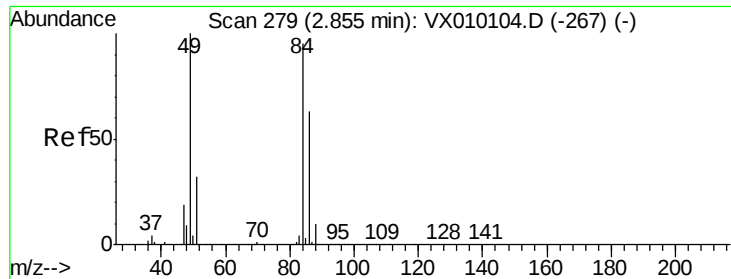
Tgt Ion: 43 Resp: 2127

Ion Ratio Lower Upper

43 100

58 31.6 23.2 34.8

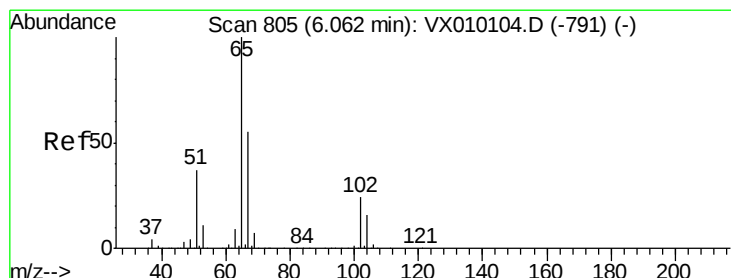
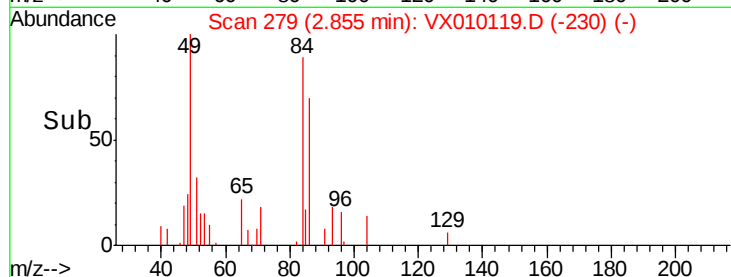
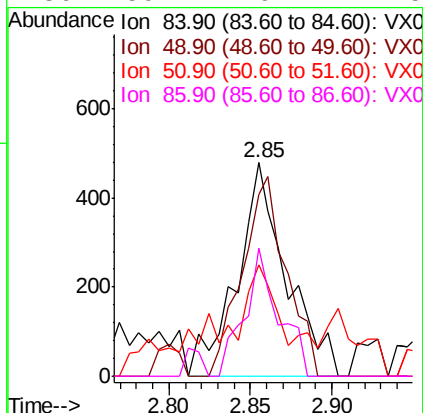
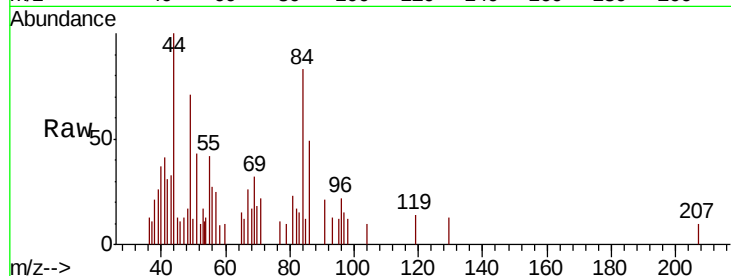




#20
Methvlene Chloride
Concen: 0.301 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010119.D
Acq: 07 Jun 2019 19:24

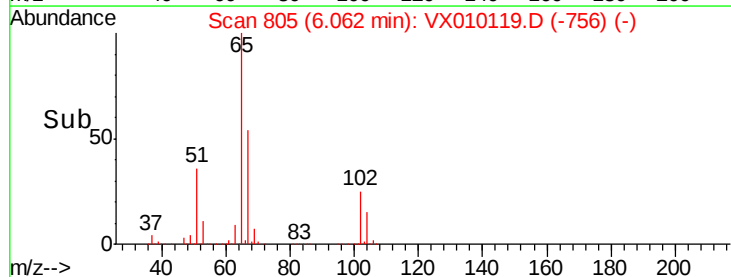
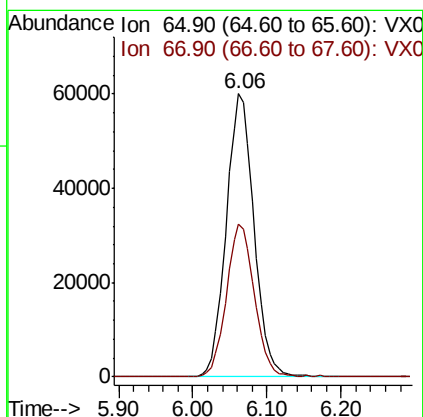
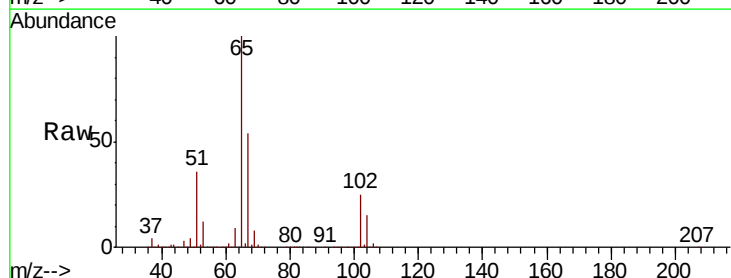
Instrument :
MSVOA_X
ClientSampleId :
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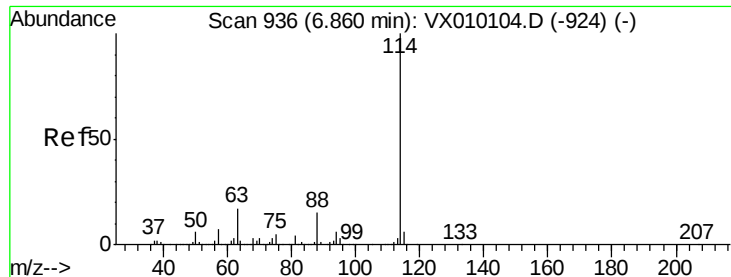
Tot Ion: 84 Resp: 1020
Ion Ratio Lower Upper
84 100
49 85.4 115.8 173.6#
51 29.9 34.4 51.6#
86 59.7 49.7 74.5



#33
1,2-Dichloroethane-d4
Concen: 47.722 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010119.D
Acq: 07 Jun 2019 19:24

Tgt Ion: 65 Resp: 156371
Ion Ratio Lower Upper
65 100
67 53.9 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010119.D

Acq: 07 Jun 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW313S-20190605

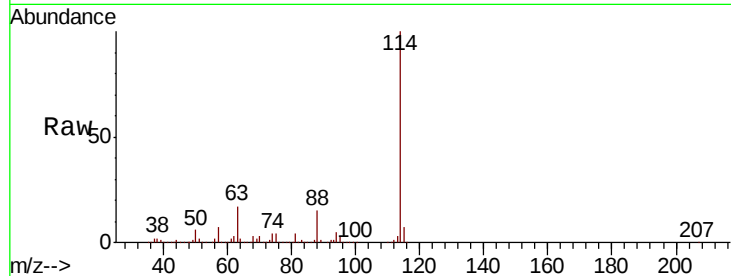
Tot Ion:114 Resp: 510002

Ion Ratio Lower Upper

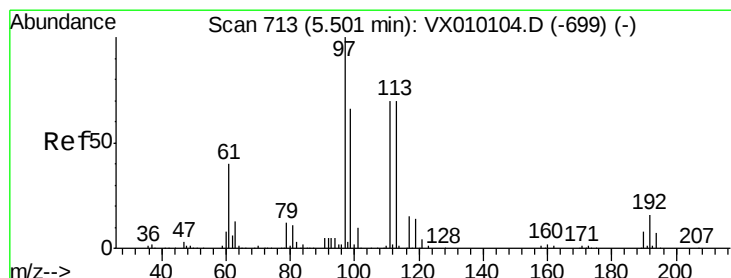
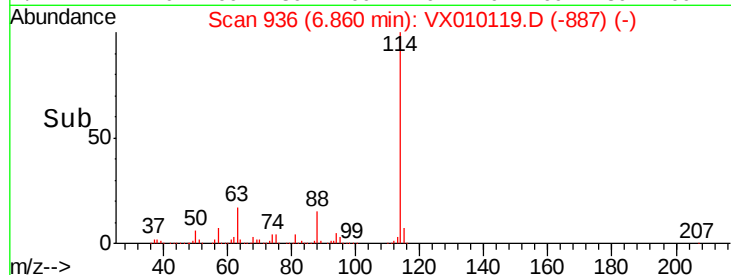
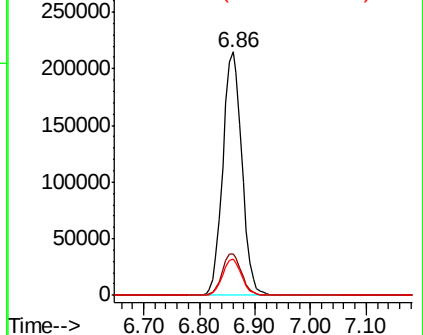
114 100

63 17.1 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: 50.683 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010119.D

Acq: 07 Jun 2019 19:24

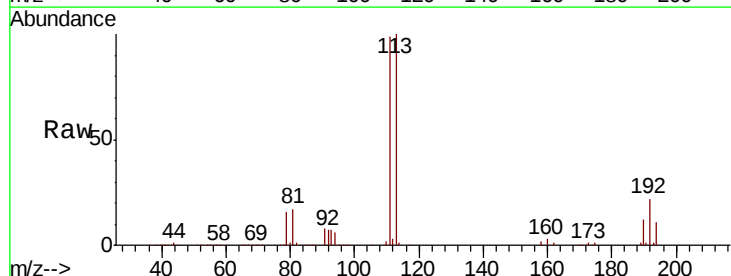
Tgt Ion:113 Resp: 159439

Ion Ratio Lower Upper

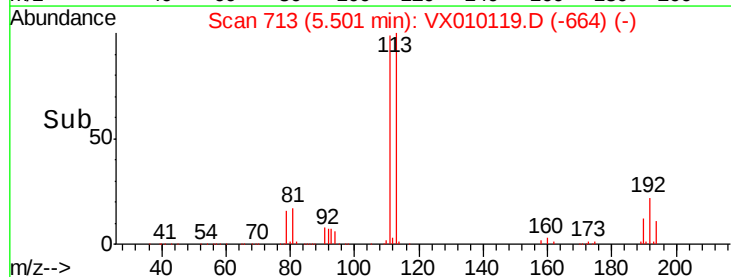
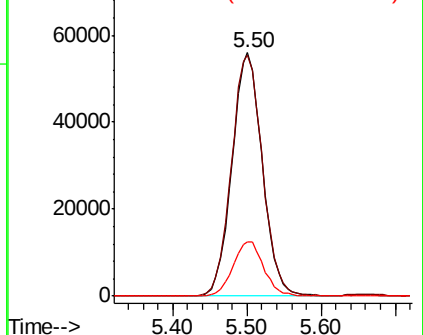
113 100

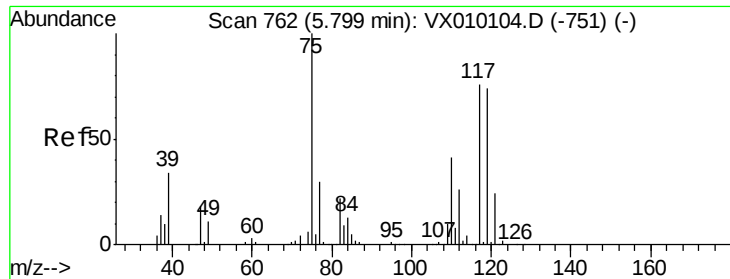
111 101.4 82.2 123.2

192 22.8 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

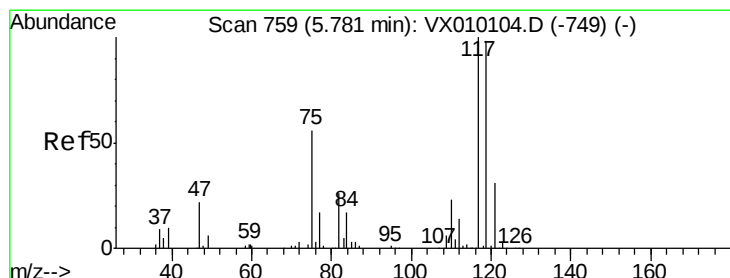
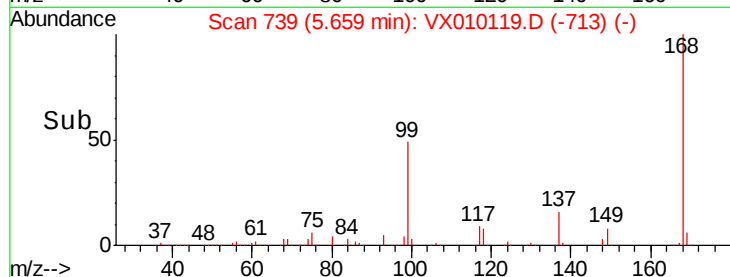
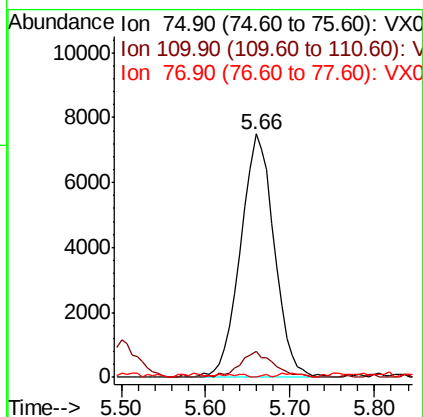
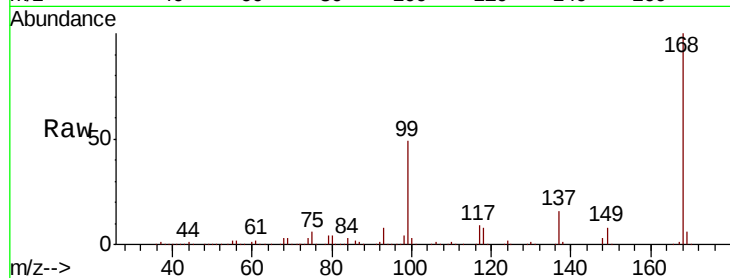




#36
 1,1-Dichloropropene
 Concen: 4.882 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010119.D
 Acq: 07 Jun 2019 19:24

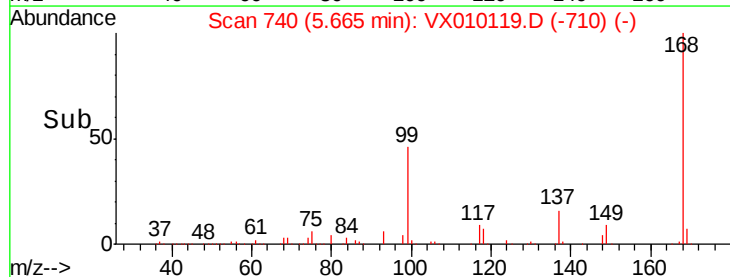
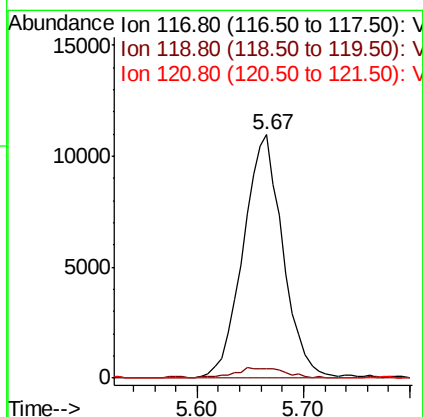
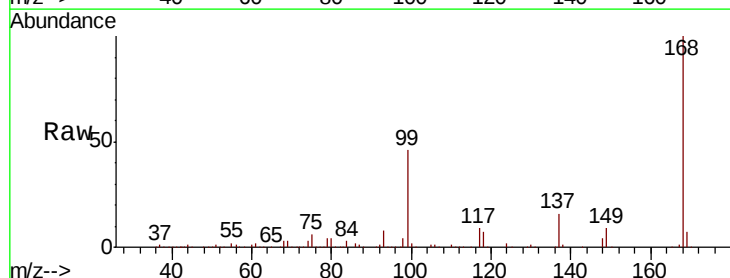
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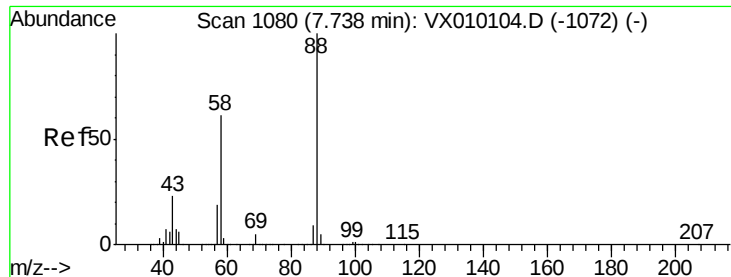
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.8	16.7	50.1#
77	0.3	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.088 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010119.D
 Acq: 07 Jun 2019 19:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	77.3	115.9#
121	0.0	25.4	38.0#

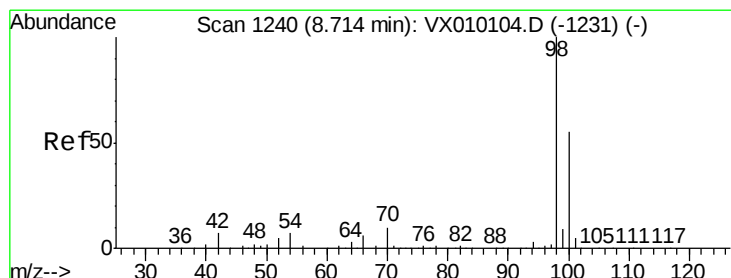
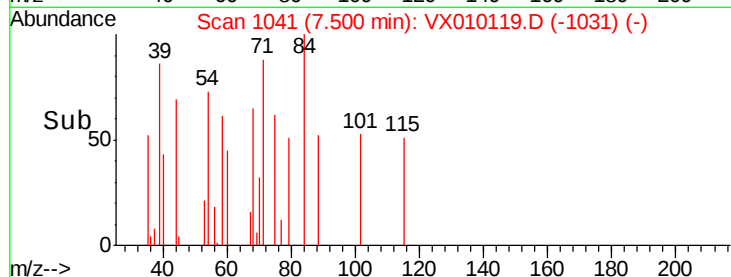
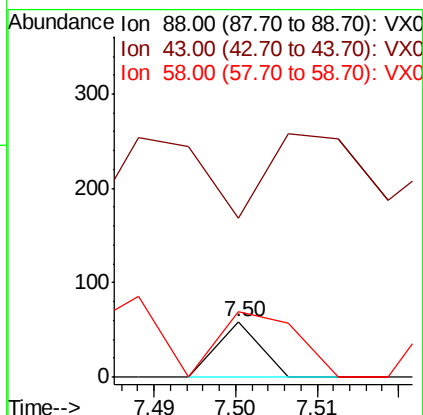
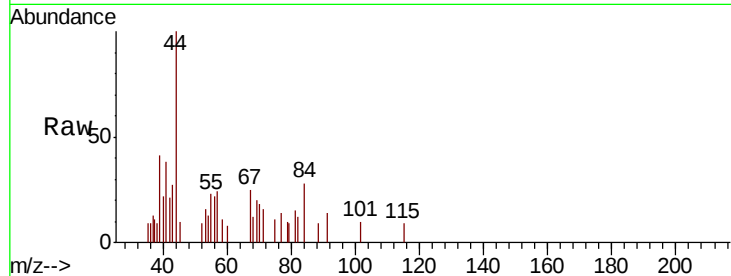




#49
1,4-Dioxane
Concen: 0.228 ug/l
RT: 7.50 min Scan# 1041
Delta R.T. -0.24 min
Lab File: VX010119.D
Acq: 07 Jun 2019 19:24

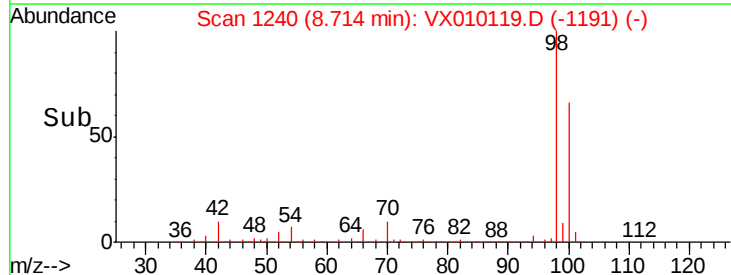
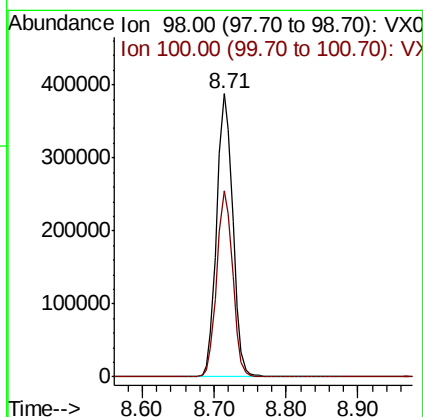
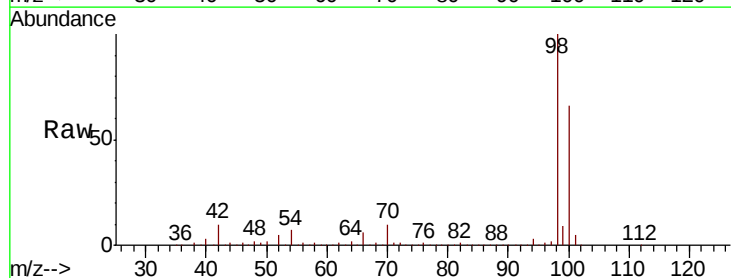
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW313S-20190605

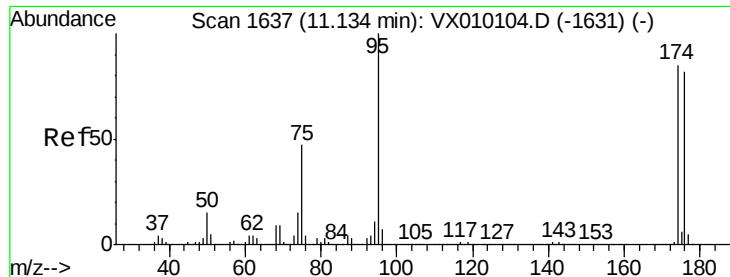
Tot Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 322.7 30.2 45.4#
58 0.0 64.0 96.0#



#50
Toluene-d8
Concen: 50.949 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010119.D
Acq: 07 Jun 2019 19:24

Tgt Ion: 98 Resp: 600694
Ion Ratio Lower Upper
98 100
100 65.0 51.5 77.3





#62

4-Bromofluorobenzene

Concen: 48.656 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010119.D

Acq: 07 Jun 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW313S-20190605

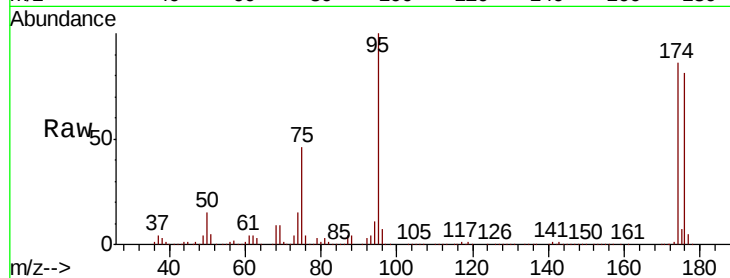
Tot Ion: 95 Resp: 214237

Ion Ratio Lower Upper

95 100

174 90.0 0.0 160.4

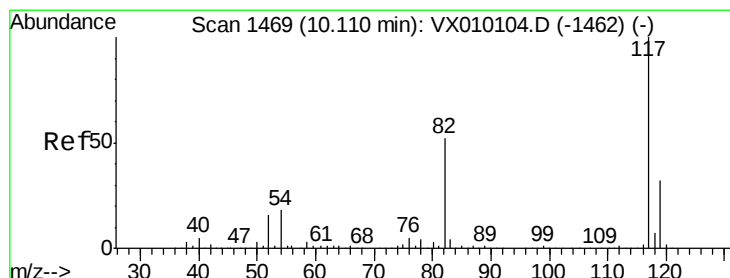
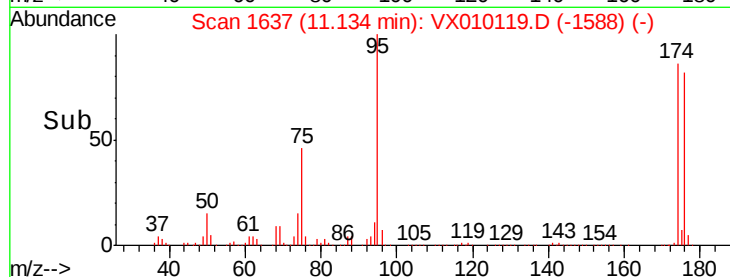
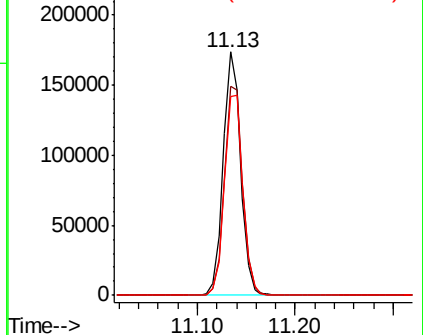
176 87.3 0.0 154.6



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: VX010119.D

Acq: 07 Jun 2019 19:24

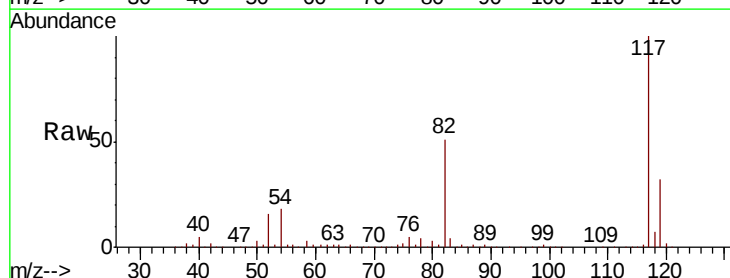
Tgt Ion: 117 Resp: 459434

Ion Ratio Lower Upper

117 100

82 51.2 49.2 73.8

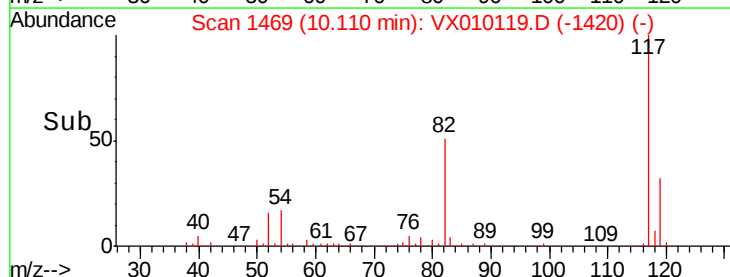
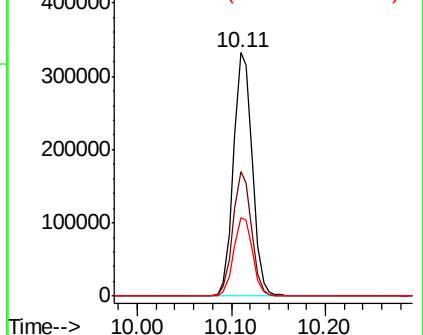
119 32.5 25.2 37.8

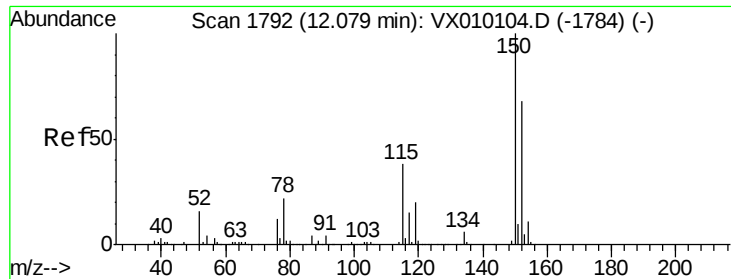


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX010119.D

Acq: 07 Jun 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW313S-20190605

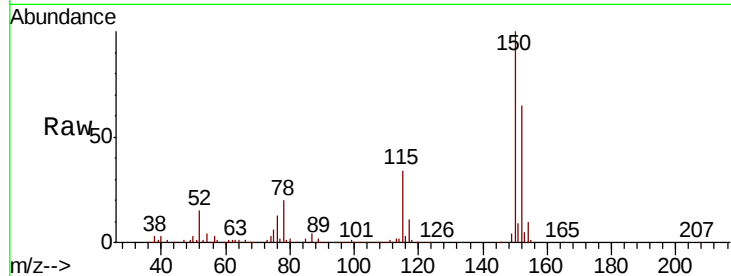
Tot Ion:152 Resp: 216882

Ion Ratio Lower Upper

152 100

115 54.7 41.4 124.2

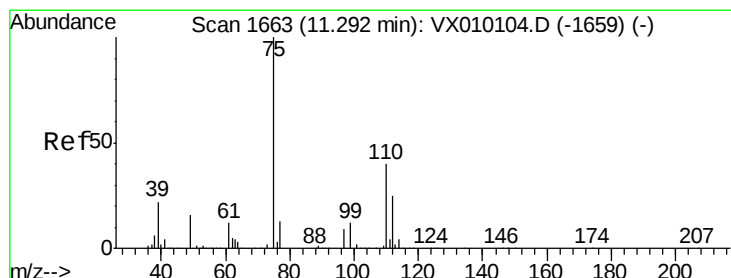
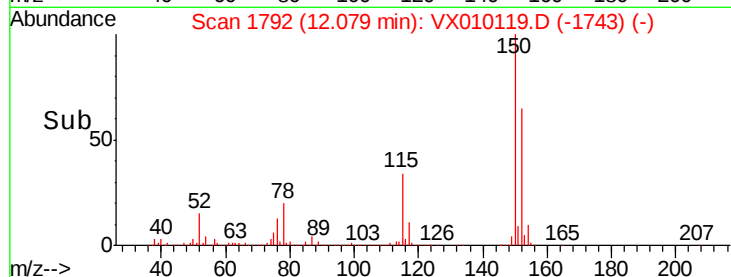
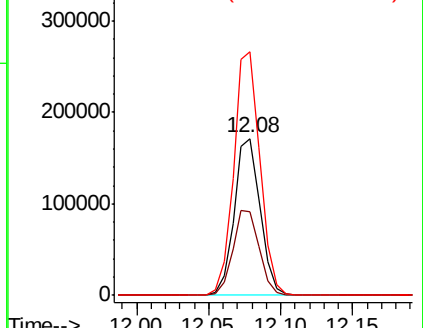
150 156.8 0.0 345.2



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: 22.314 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010119.D

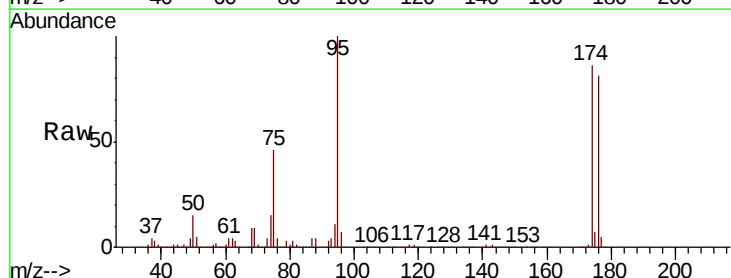
Acq: 07 Jun 2019 19:24

Tgt Ion: 75 Resp: 96799

Ion Ratio Lower Upper

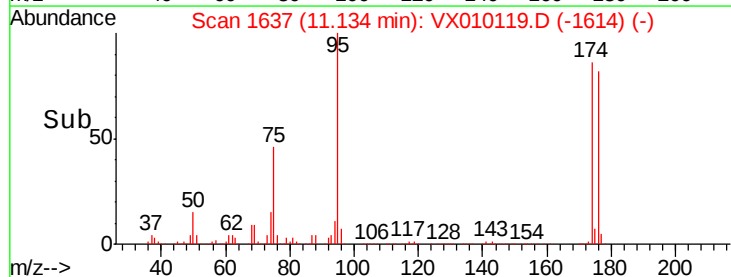
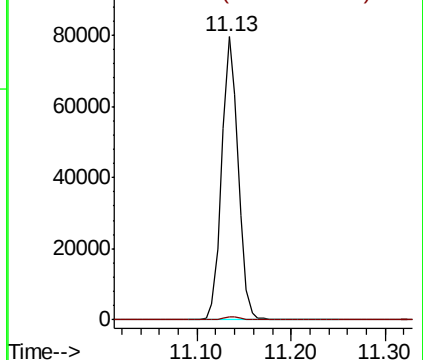
75 100

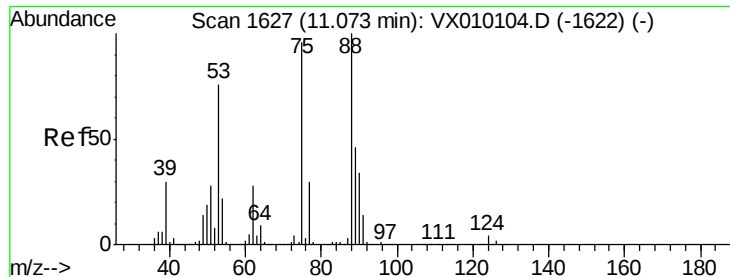
77 1.3 22.1 66.1#



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: 49.301 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010119.D

Acq: 07 Jun 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW313S-20190605

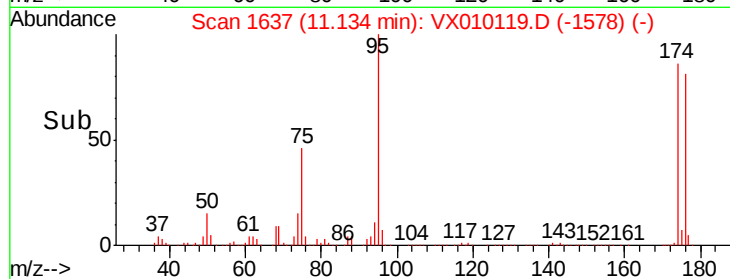
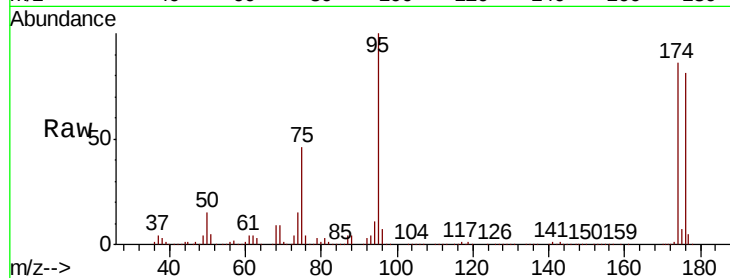
Tot Ion: 75 Resp: 96799

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

