

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010653.D
 Acq On : 03 Jul 2019 20:18
 Operator : JC/SP
 Sample : K3666-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR3-8-070219

Quant Time: Jul 04 03:39:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	229590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	352580	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	323801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143378	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	114858	53.36	ug/l	0.00
Spiked Amount			Recovery	=	106.72%	
35) Dibromofluoromethane	5.50	113	108307	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
50) Toluene-d8	8.71	98	421749	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
62) 4-Bromofluorobenzene	11.13	95	138729	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	

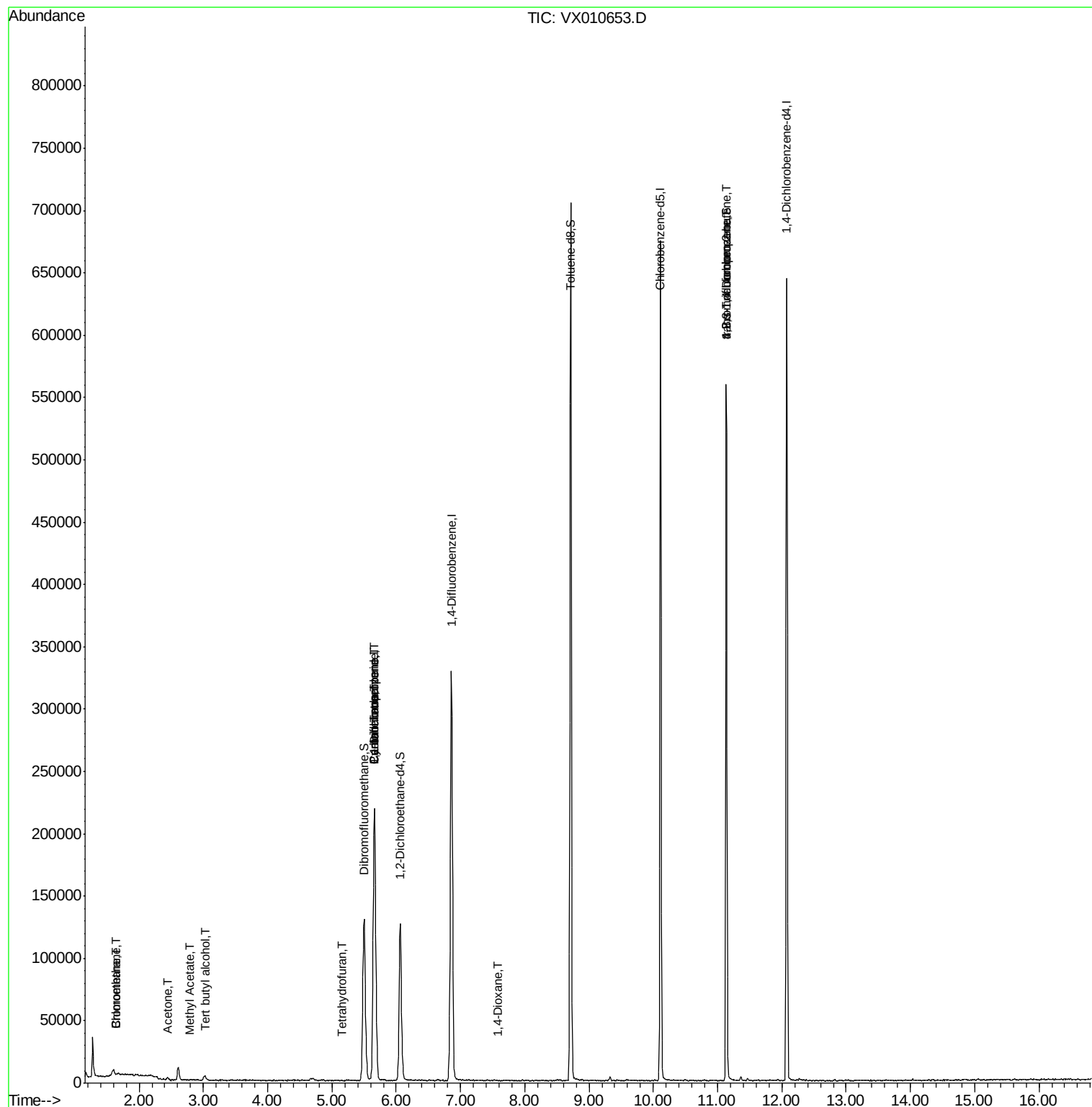
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	245	0.247	ug/l	98
6) Chloroethane	1.64	64	363	0.302	ug/l #	51
11) Tert butyl alcohol	3.03	59	2829	5.022	ug/l #	94
16) Acetone	2.45	43	2151	1.994	ug/l	93
18) Methyl Acetate	2.78	43	568	0.264	ug/l #	74
29) Tetrahydrofuran	5.15	42	252	0.257	ug/l #	45
31) Cyclohexane	5.66	56	4234	1.362	ug/l #	2
36) 1,1-Dichloropropene	5.67	75	14422	5.147	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20769	6.845	ug/l #	15
49) 1,4-Dioxane	7.59	88	19	0.298	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	67501	25.835	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	67501	60.272	ug/l #	16

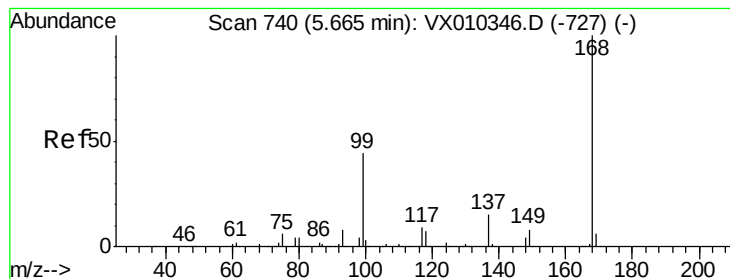
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010653.D

Acq: 03 Jul 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

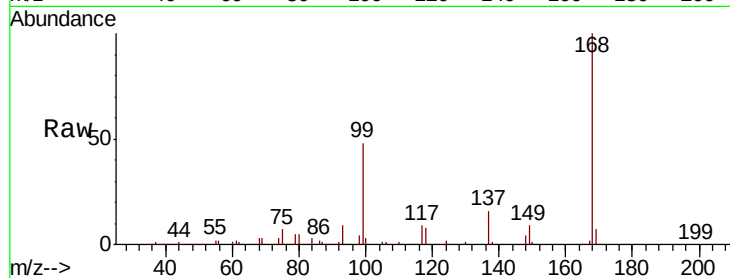
MWHR3-8-070219

Tot Ion:168 Resp: 229590

Ion Ratio Lower Upper

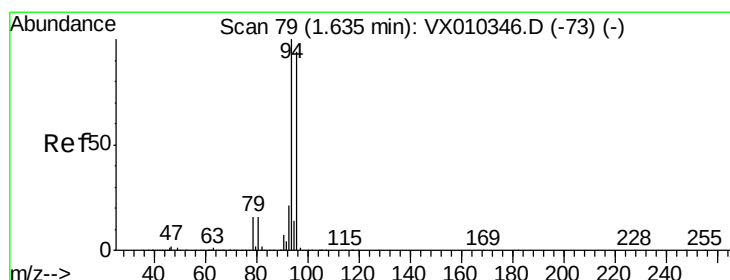
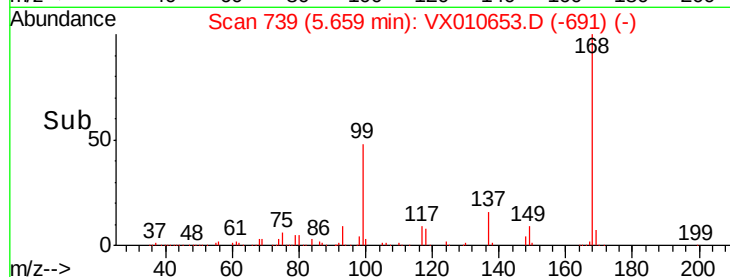
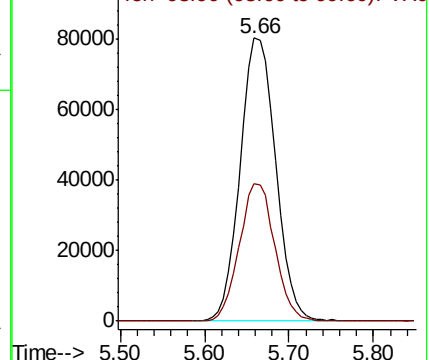
168 100

99 48.4 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.247 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010653.D

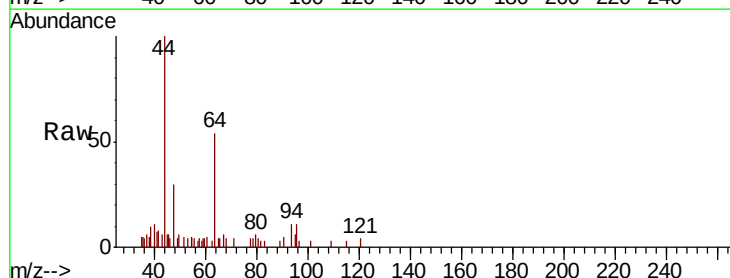
Acq: 03 Jul 2019 20:18

Tgt Ion: 94 Resp: 245

Ion Ratio Lower Upper

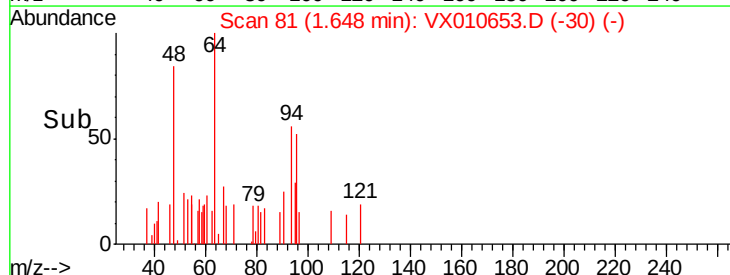
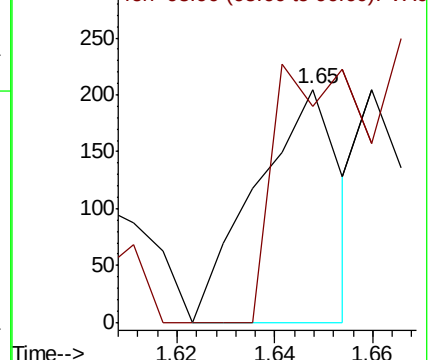
94 100

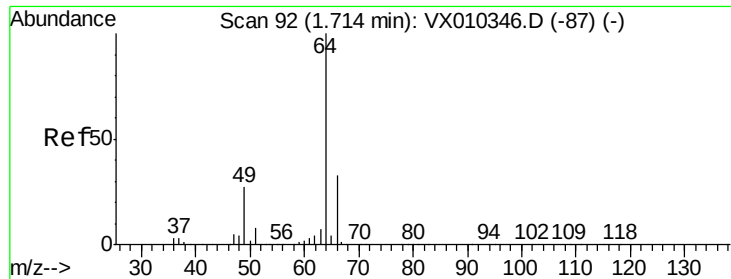
96 92.7 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.302 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.07 min

Lab File: VX010653.D

Acq: 03 Jul 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

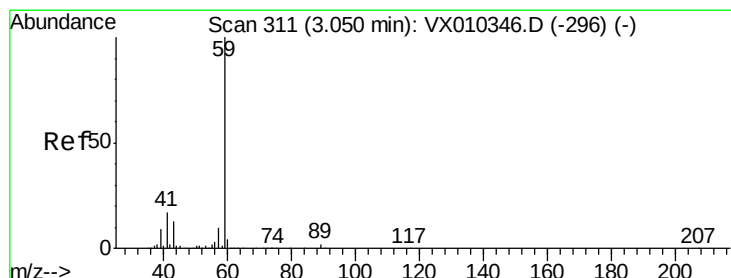
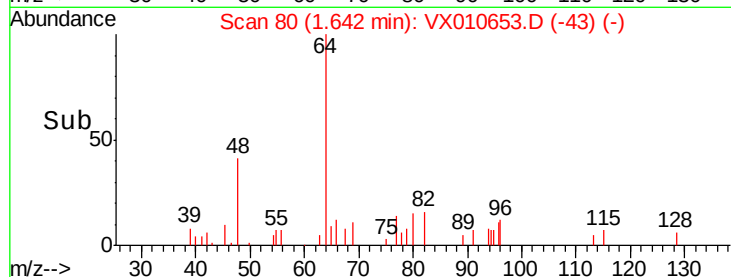
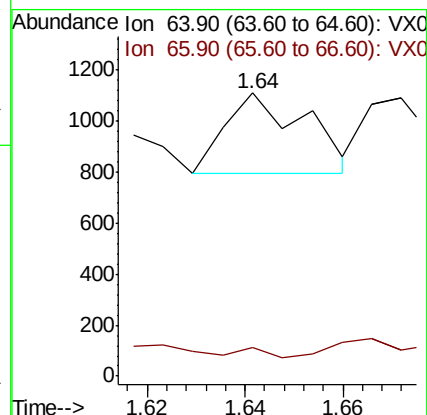
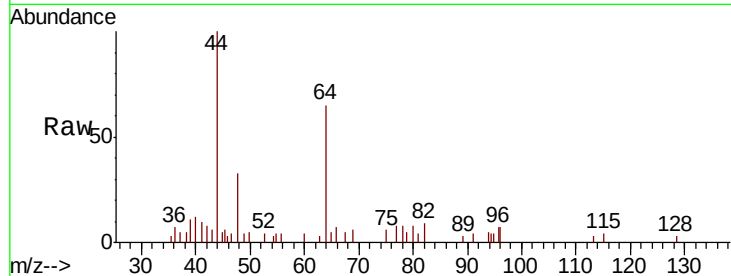
MWHR3-8-070219

Tot Ion: 64 Resp: 363

Ion Ratio Lower Upper

64 100

66 5.4 26.6 40.0#



#11

Tert butyl alcohol

Concen: 5.022 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX010653.D

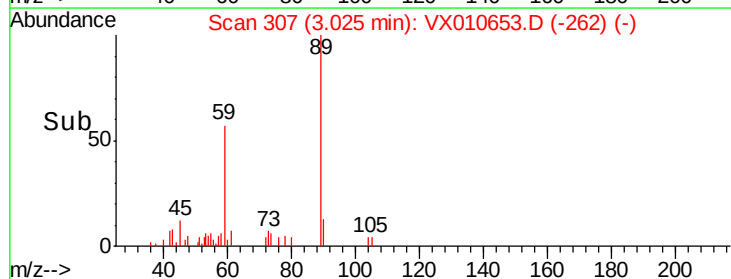
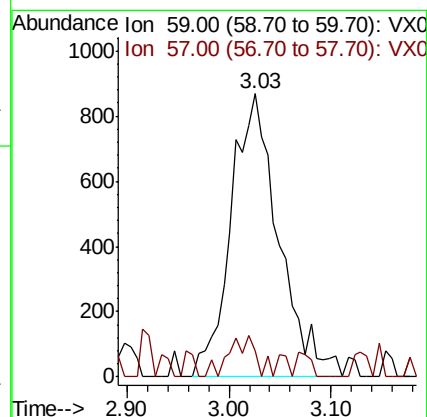
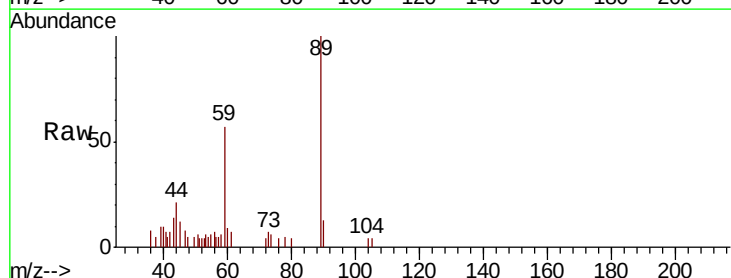
Acq: 03 Jul 2019 20:18

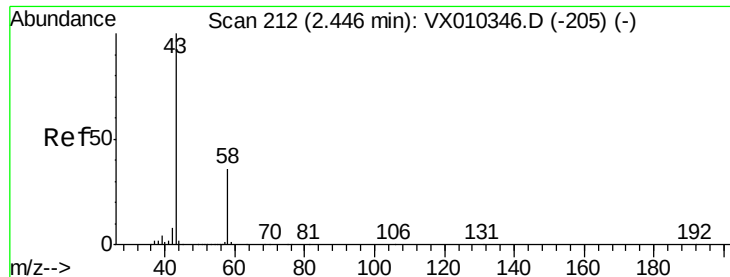
Tgt Ion: 59 Resp: 2829

Ion Ratio Lower Upper

59 100

57 7.5 7.7 11.5#





#16

Acetone

Concen: 1.994 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010653.D

Acq: 03 Jul 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

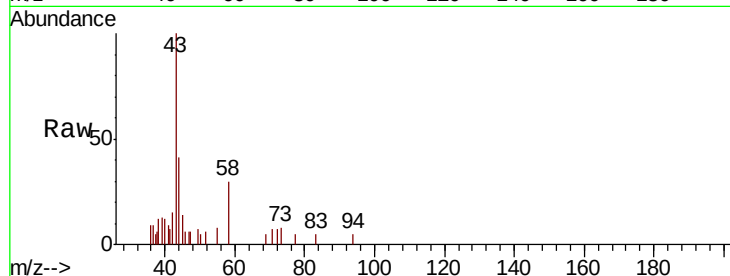
MWHR3-8-070219

Tot Ion: 43 Resp: 2151

Ion Ratio Lower Upper

43 100

58 32.1 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1200

1000

800

600

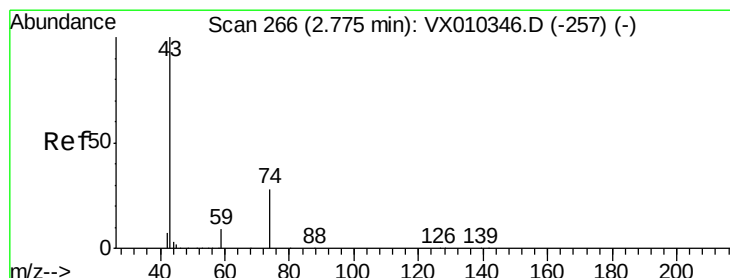
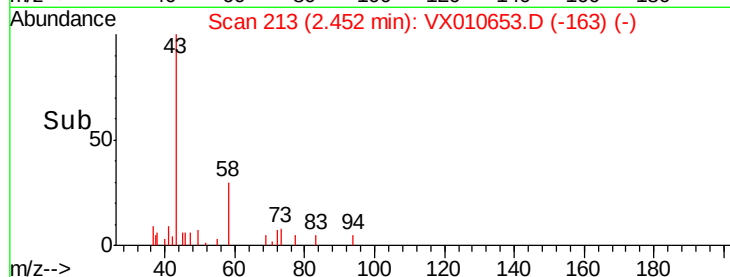
400

200

0

2.40 2.45 2.50

Time-->



#18

Methyl Acetate

Concen: 0.264 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX010653.D

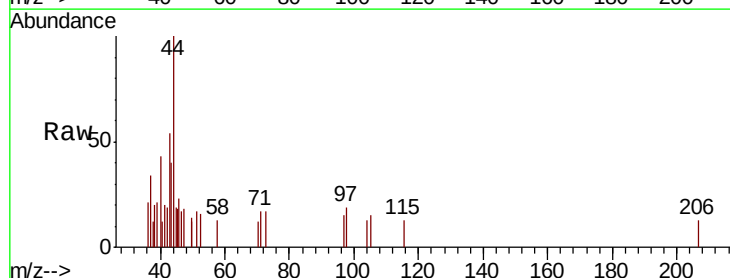
Acq: 03 Jul 2019 20:18

Tgt Ion: 43 Resp: 568

Ion Ratio Lower Upper

43 100

74 13.0 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

400

300

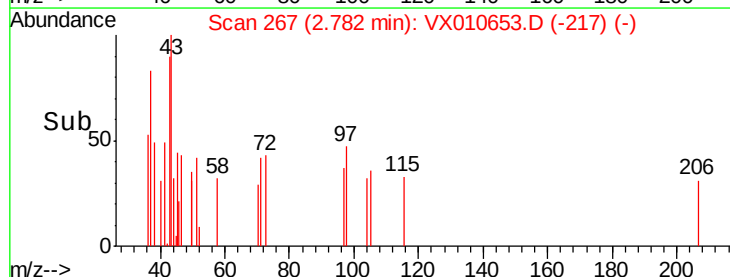
200

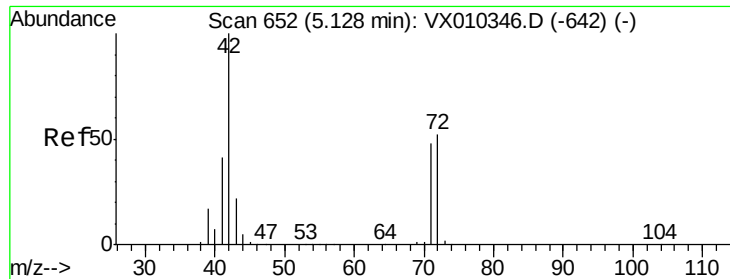
100

0

2.70 2.75 2.80

Time-->

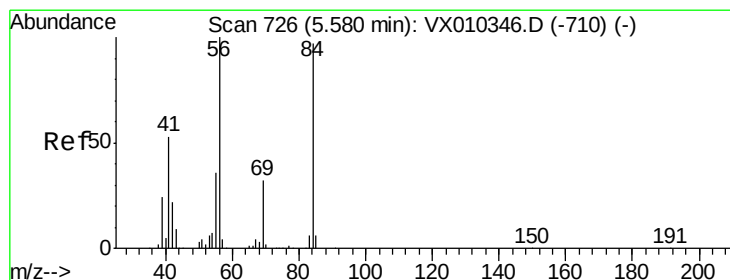
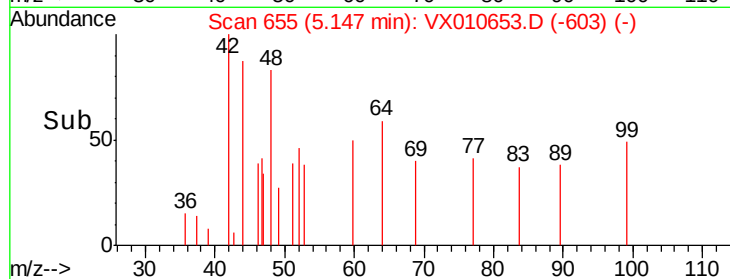
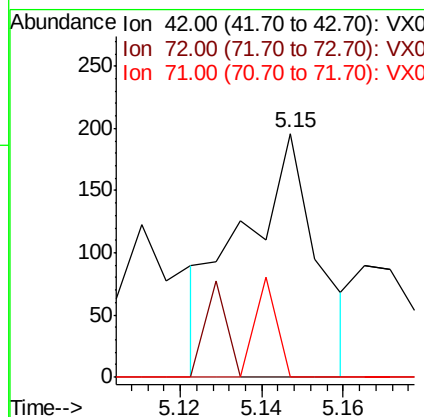
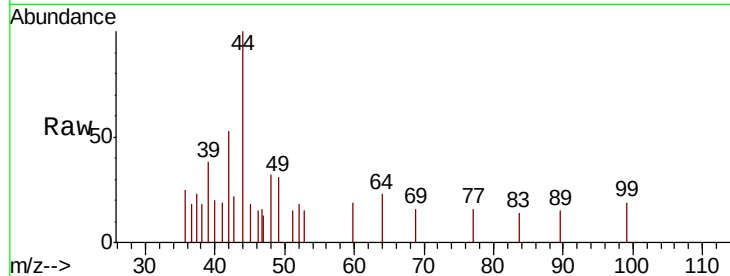




#29
Tetrahydrofuran
Concen: 0.257 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.02 min
Lab File: VX010653.D
Acq: 03 Jul 2019 20:18

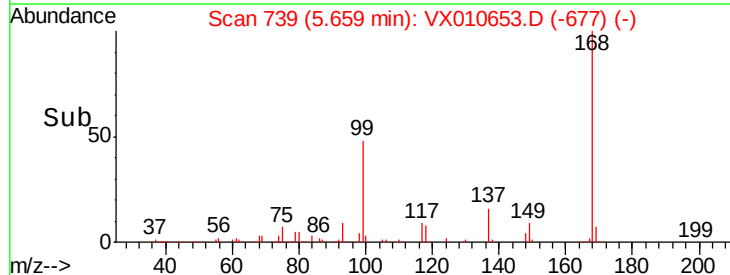
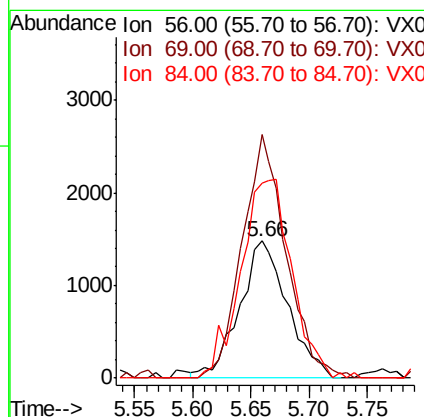
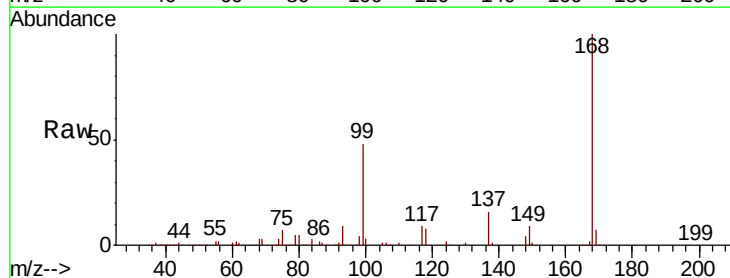
Instrument :
MSVOA_X
ClientSampleId :
MWHR3-8-070219

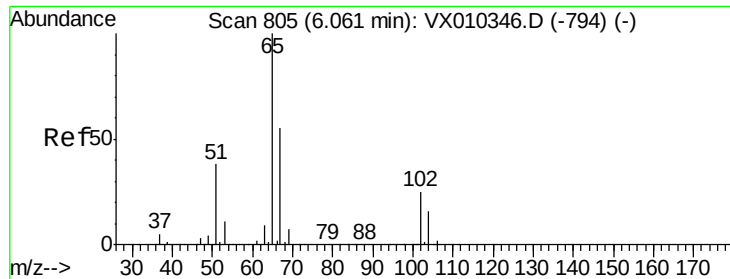
Tot Ion: 42 Resp: 252
Ion Ratio Lower Upper
42 100
72 11.1 40.6 60.8#
71 11.9 37.8 56.8#



#31
Cyclohexane
Concen: 1.362 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX010653.D
Acq: 03 Jul 2019 20:18

Tgt Ion: 56 Resp: 4234
Ion Ratio Lower Upper
56 100
69 177.3 25.9 38.9#
84 142.0 78.0 117.0#

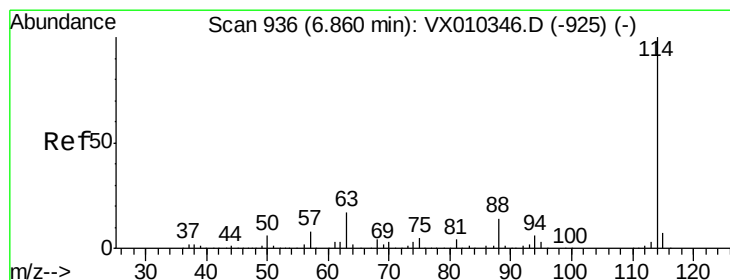
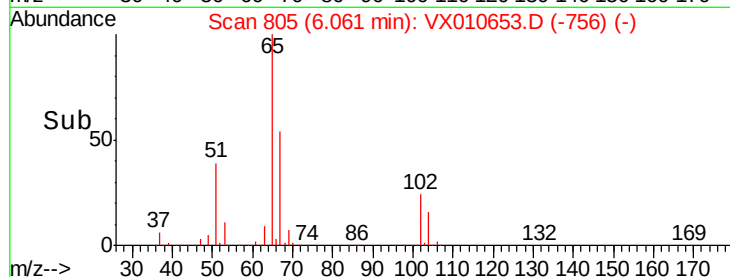
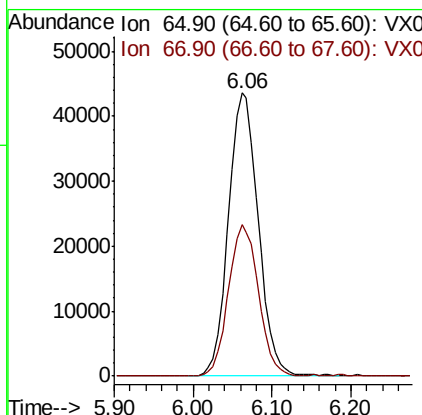
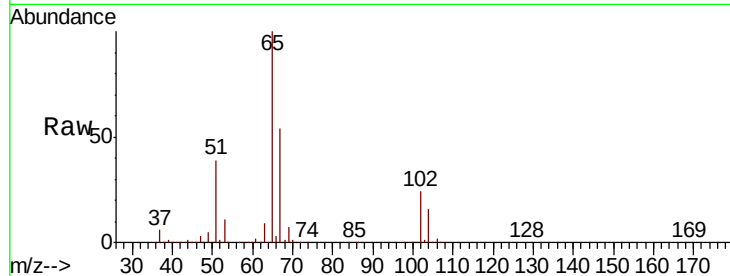




#33
 1,2-Dichloroethane-d4
 Concen: 53.357 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010653.D
 Acq: 03 Jul 2019 20:18

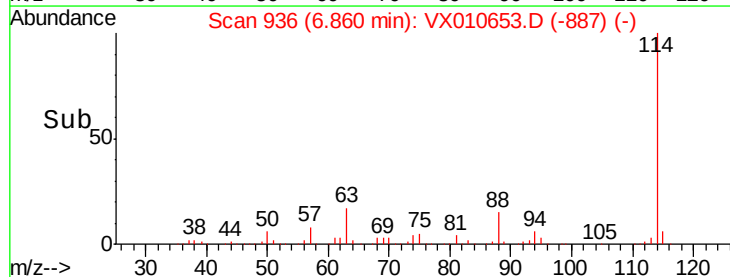
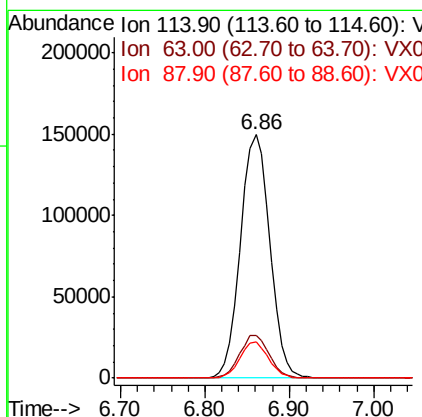
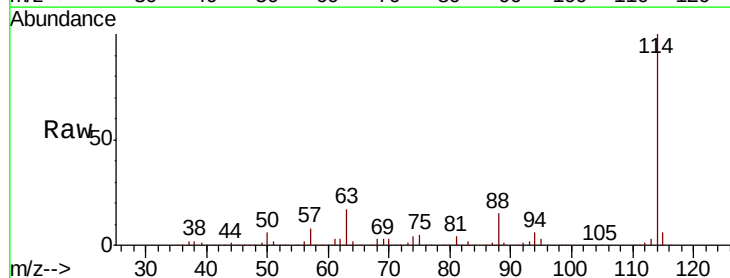
Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR3-8-070219

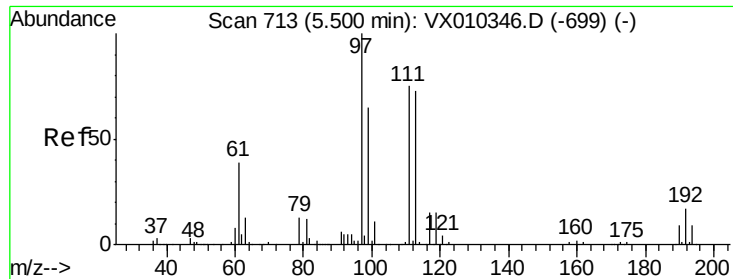
Tot Ion: 65 Resp: 114858
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010653.D
 Acq: 03 Jul 2019 20:18

Tgt Ion: 114 Resp: 352580
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 33.8
 88 15.0 0.0 27.6





#35

Dibromofluoromethane

Concen: 50.207 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010653.D

Acq: 03 Jul 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

MWHR3-8-070219

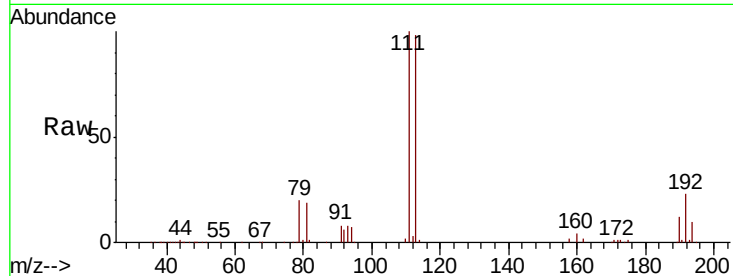
Tot Ion:113 Resp: 108307

Ion Ratio Lower Upper

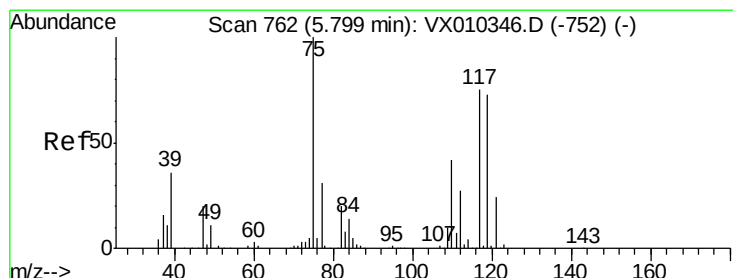
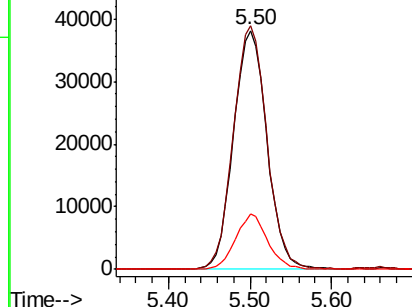
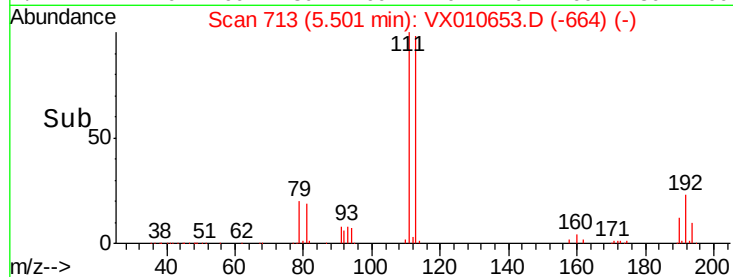
113 100

111 101.9 81.2 121.8

192 22.1 18.6 27.8



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: 5.147 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010653.D

Acq: 03 Jul 2019 20:18

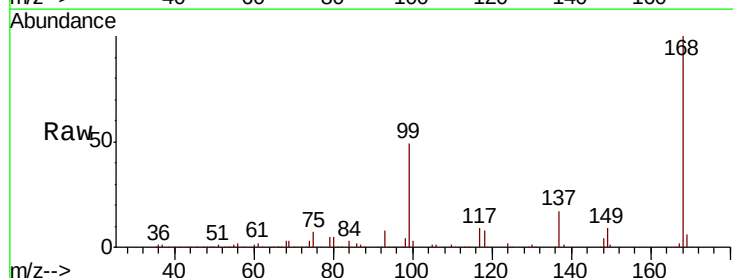
Tgt Ion: 75 Resp: 14422

Ion Ratio Lower Upper

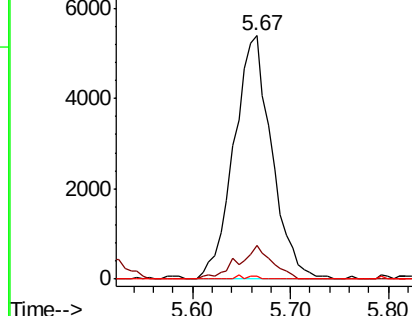
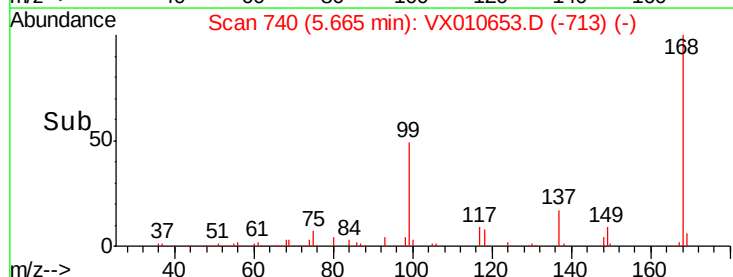
75 100

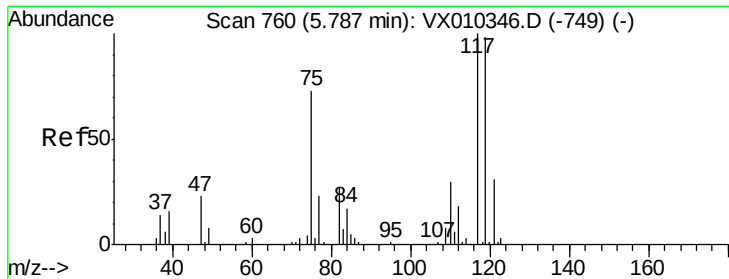
110 12.4 20.8 62.2#

77 0.2 25.4 38.0#



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: 6.845 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010653.D

Acq: 03 Jul 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

MWHR3-8-070219

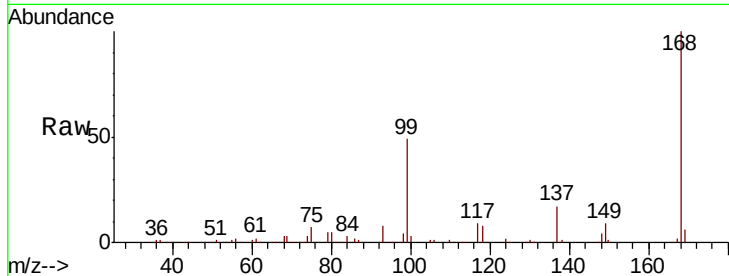
Tot Ion:117 Resp: 20769

Ion Ratio Lower Upper

117 100

119 4.3 78.2 117.4#

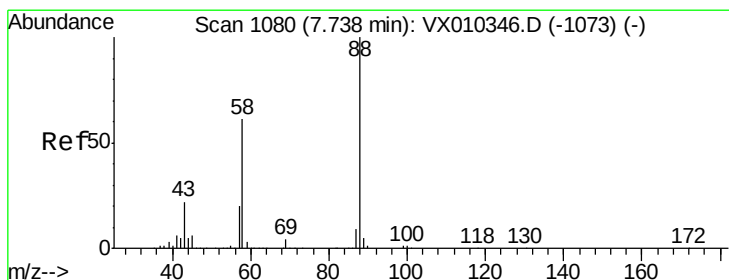
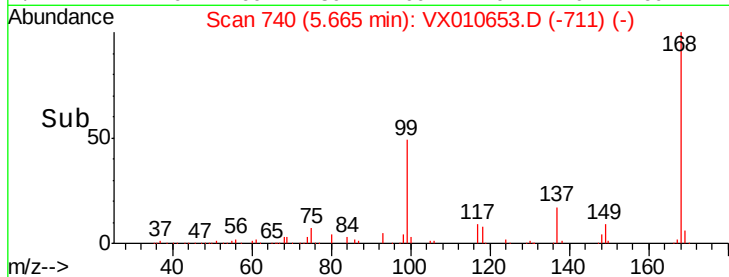
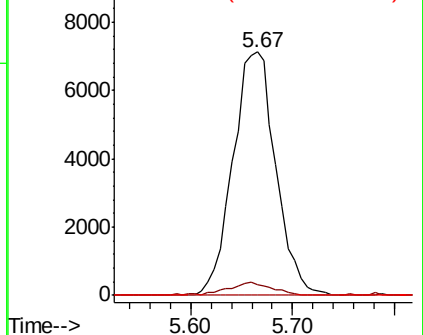
121 0.0 24.7 37.1#



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: 0.298 ug/l

RT: 7.59 min Scan# 1055

Delta R.T. -0.15 min

Lab File: VX010653.D

Acq: 03 Jul 2019 20:18

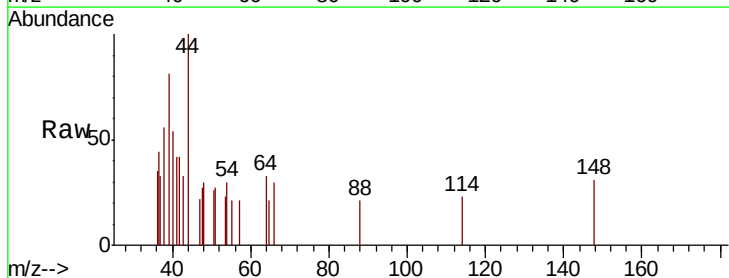
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 342.1 20.2 30.2#

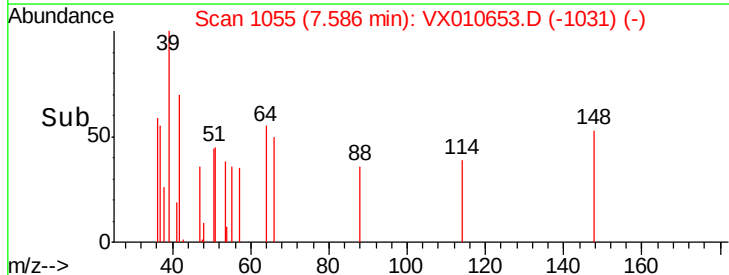
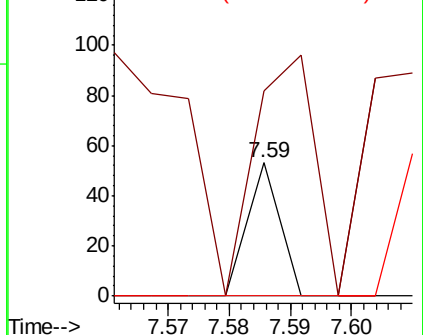
58 0.0 49.5 74.3#

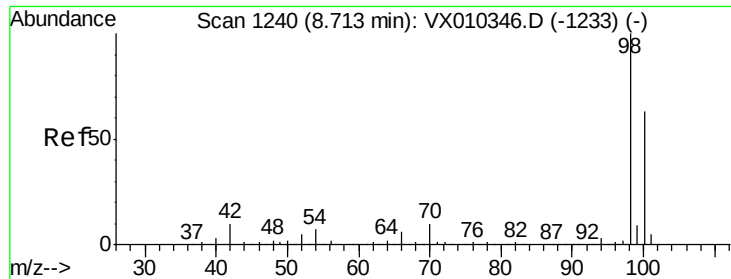


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

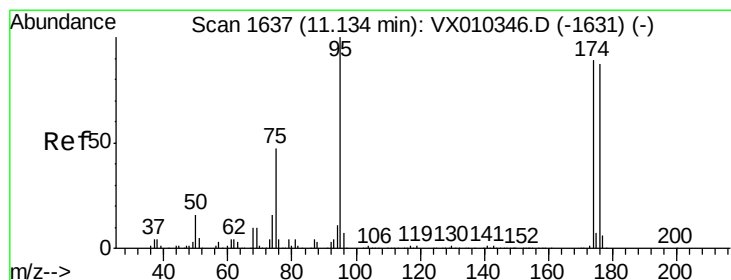
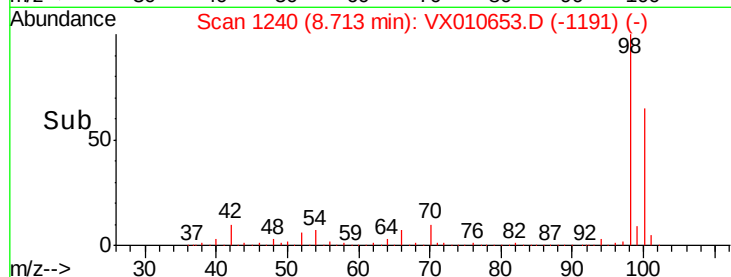
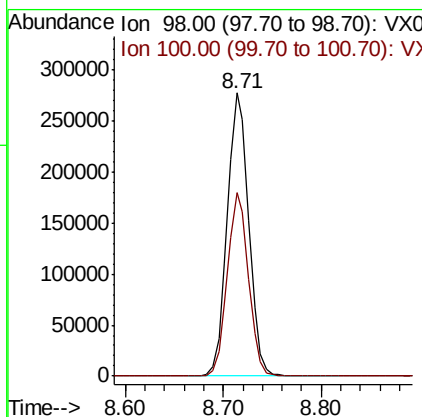
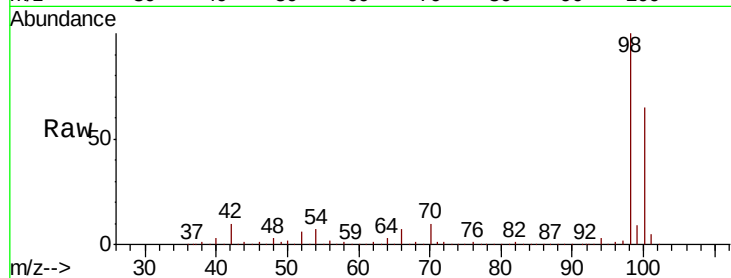




#50
Toluene-d8
Concen: 51.102 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010653.D
Acq: 03 Jul 2019 20:18

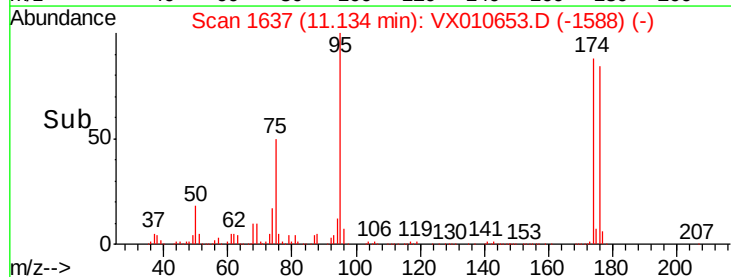
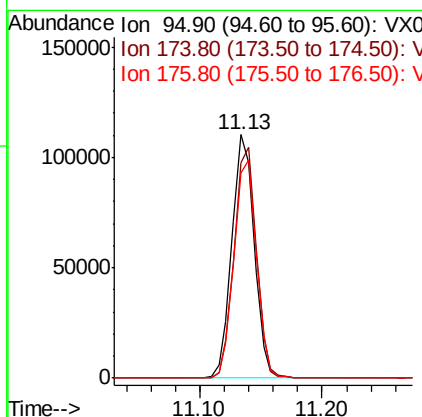
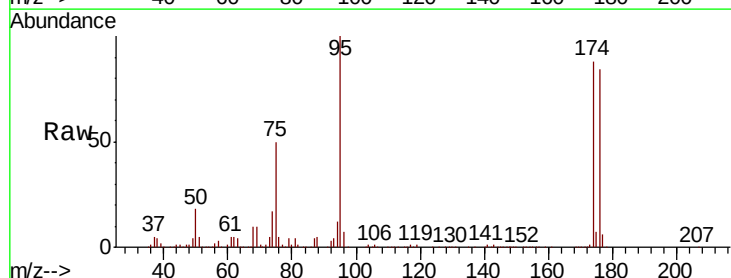
Instrument :
MSVOA_X
ClientSampleId :
MWHR3-8-070219

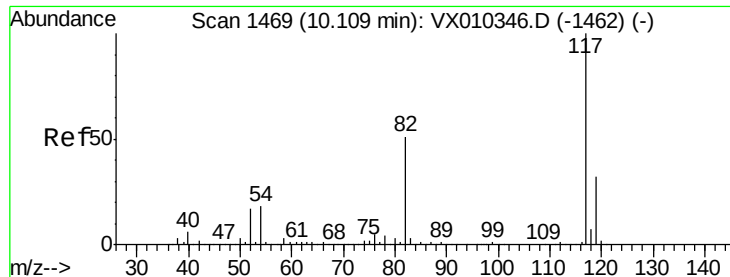
Tot Ion: 98 Resp: 421749
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 46.560 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010653.D
Acq: 03 Jul 2019 20:18

Tgt Ion: 95 Resp: 138729
Ion Ratio Lower Upper
95 100
174 94.7 0.0 187.6
176 90.5 0.0 184.0

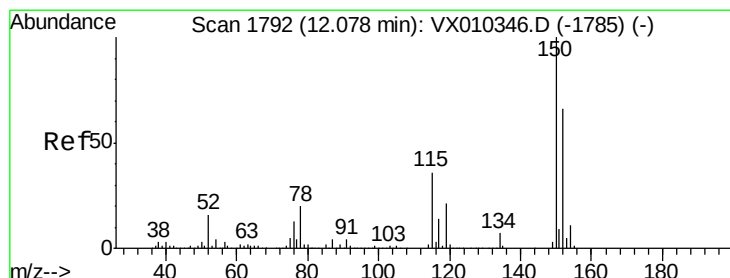
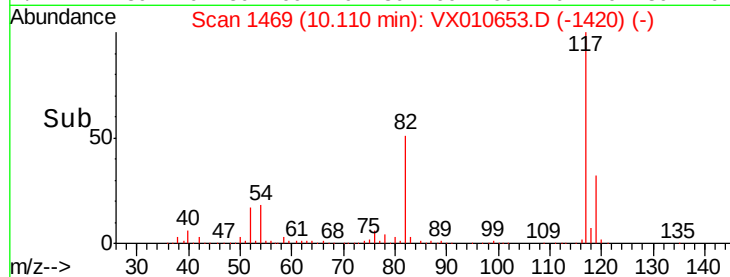
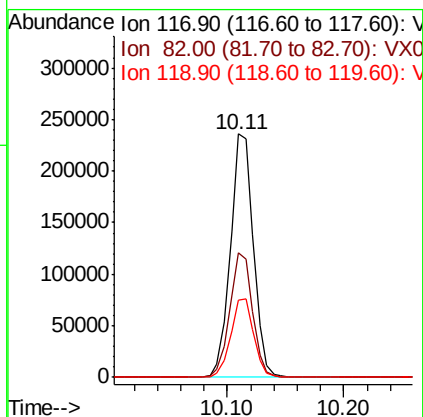
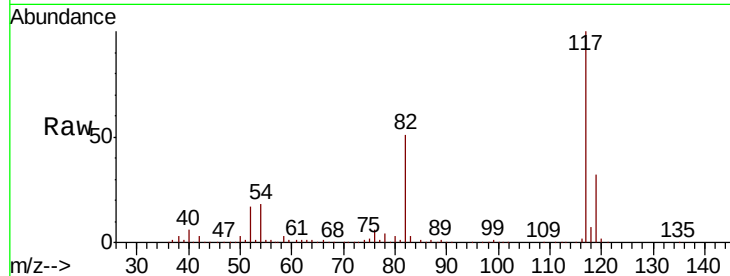




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010653.D
Acq: 03 Jul 2019 20:18

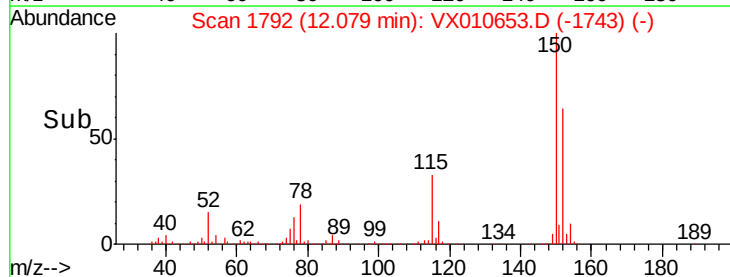
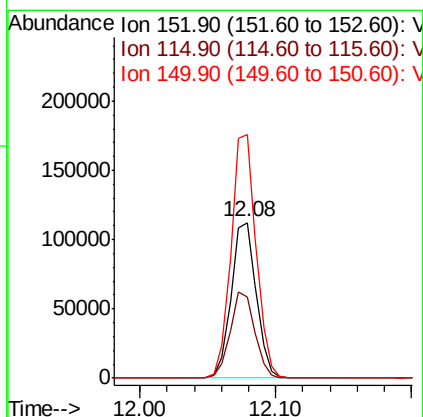
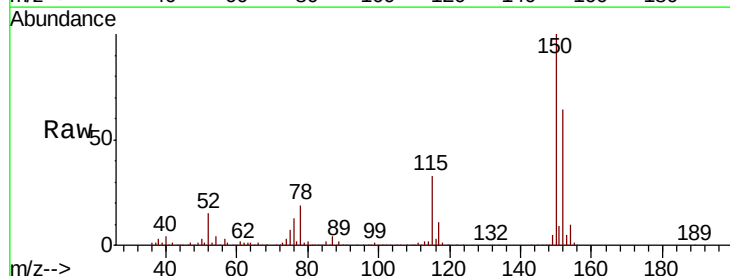
Instrument :
MSVOA_X
ClientSampleId :
MWHR3-8-070219

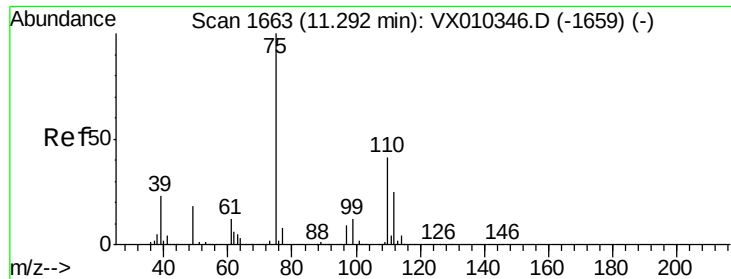
Tot Ion:117 Resp: 323801
Ion Ratio Lower Upper
117 100
82 51.0 41.2 61.8
119 31.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010653.D
Acq: 03 Jul 2019 20:18

Tgt Ion:152 Resp: 143378
Ion Ratio Lower Upper
152 100
115 54.6 38.6 115.7
150 156.4 0.0 347.4

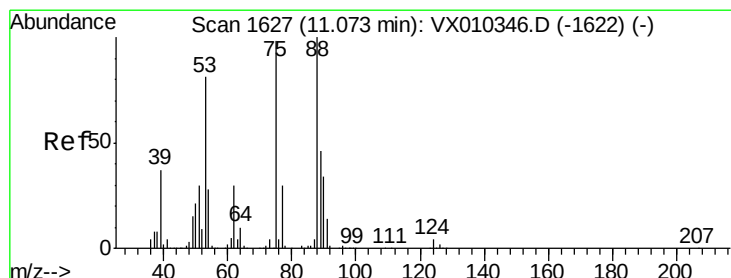
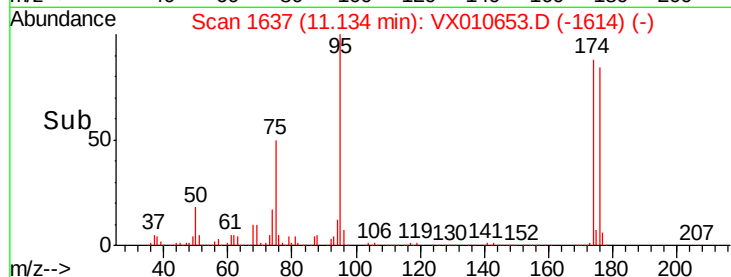
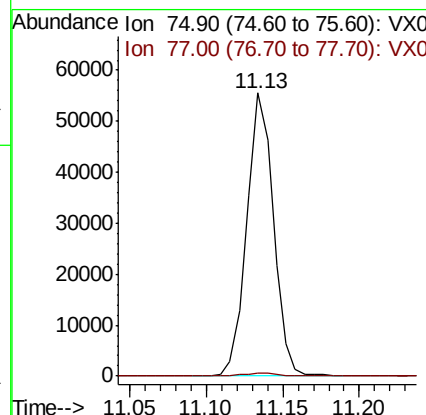
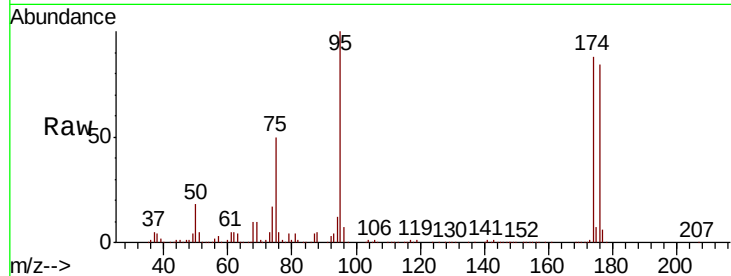




#76
 1,2,3-Trichloropropane
 Concen: 25.835 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010653.D
 Acq: 03 Jul 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR3-8-070219

Tot Ion: 75 Resp: 67501
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.272 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010653.D
 Acq: 03 Jul 2019 20:18

Tgt Ion: 75 Resp: 67501
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.1 99.1#
 89 0.0 37.8 56.6#

