

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070219\
 Data File : VX010614.D
 Acq On : 02 Jul 2019 14:04
 Operator : JC/SP
 Sample : K3638-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-070119

Quant Time: Jul 03 01:55:31 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	5.67	168	243363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	377516	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	340830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	157240	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	118873	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
35) Dibromofluoromethane	5.50	113	114401	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
50) Toluene-d8	8.71	98	447937	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	11.13	95	146833	46.02	ug/l	0.00
Spiked Amount			Recovery	=	92.04%	

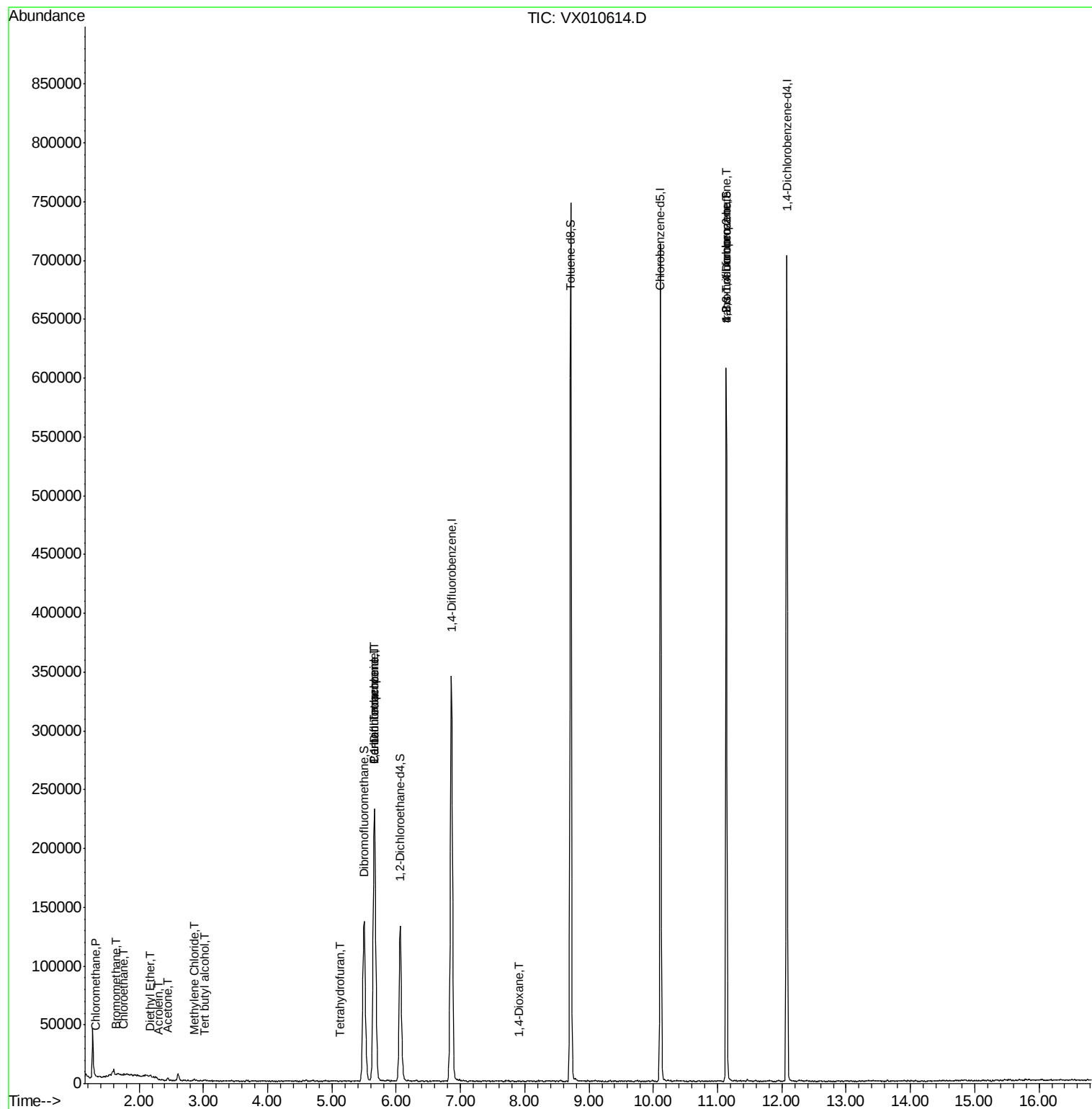
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1097	0.557	ug/l #	54
5) Bromomethane	1.65	94	405	0.385	ug/l #	57
6) Chloroethane	1.76	64	407	0.320	ug/l #	71
8) Diethyl Ether	2.18	74	275	0.224	ug/l #	5
11) Tert butyl alcohol	3.03	59	817	1.368	ug/l	99
13) Acrolein	2.29	56	177	0.447	ug/l #	37
16) Acetone	2.45	43	2910	2.545	ug/l #	85
20) Methylene Chloride	2.85	84	566	0.241	ug/l #	86
29) Tetrahydrofuran	5.12	42	228	0.219	ug/l #	28
36) 1,1-Dichloropropene	5.66	75	15083	5.028	ug/l #	48
38) Carbon Tetrachloride	5.66	117	21577	6.642	ug/l #	15
49) 1,4-Dioxane	7.91	88	59	0.863	ug/l #	63
76) 1,2,3-Trichloropropane	11.13	75	71219	24.855	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	71219	57.985	ug/l #	16

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

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MWHHR2-6-070119

Quant Time: Jul 03 01:55:31 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010614.D

Acq: 02 Jul 2019 14:04

Instrument :

MSVOA_X

ClientSampleId :

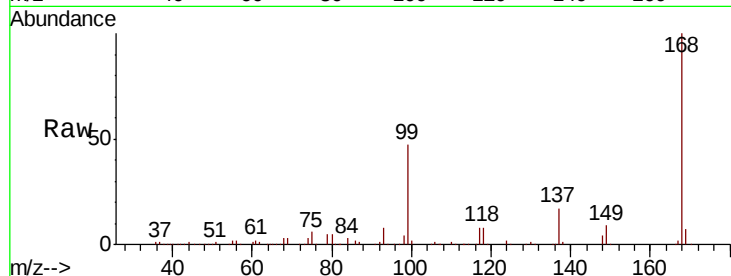
MWHR2-6-070119

Tot Ion:168 Resp: 243363

Ion Ratio Lower Upper

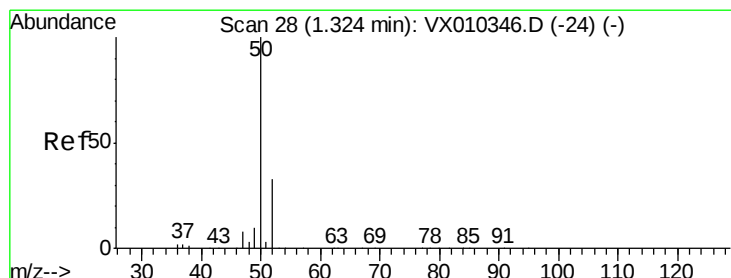
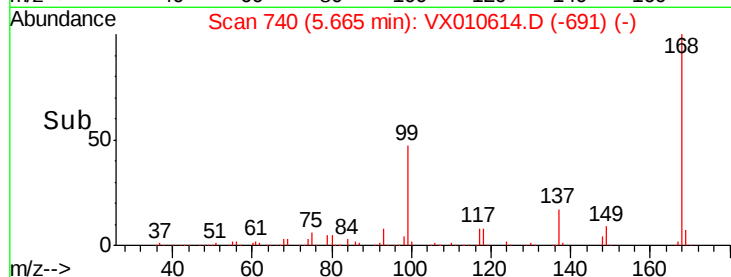
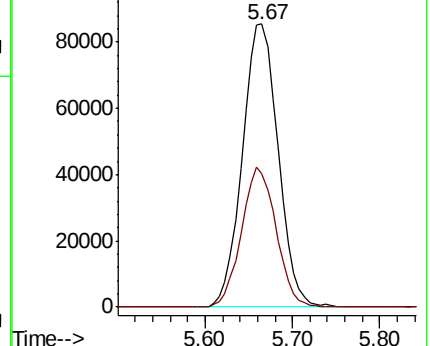
168 100

99 47.1 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.557 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010614.D

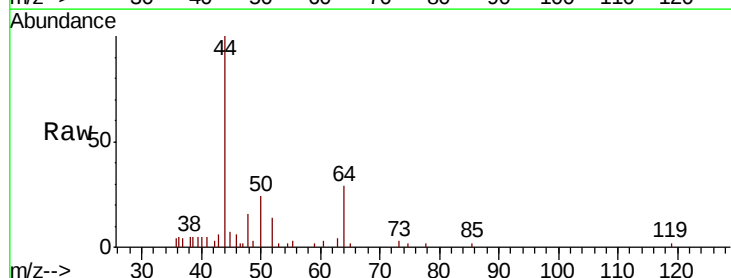
Acq: 02 Jul 2019 14:04

Tgt Ion: 50 Resp: 1097

Ion Ratio Lower Upper

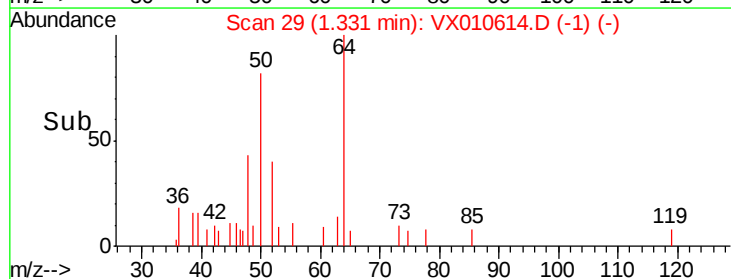
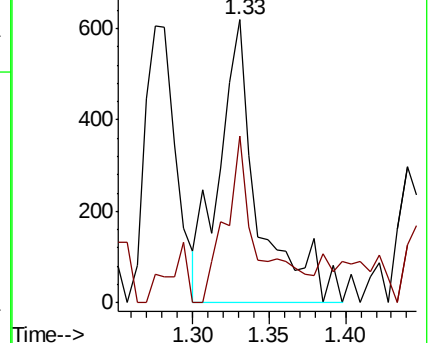
50 100

52 59.1 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.385 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010614.D

Acq: 02 Jul 2019 14:04

Instrument :

MSVOA_X

ClientSampleId :

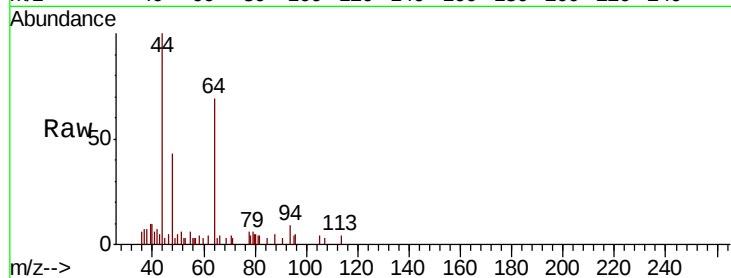
MWHR2-6-070119

Tot Ion: 94 Resp: 405

Ion Ratio Lower Upper

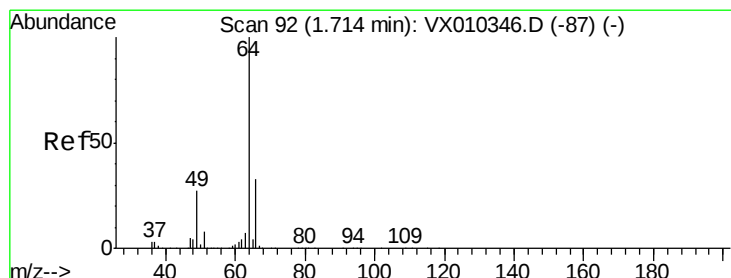
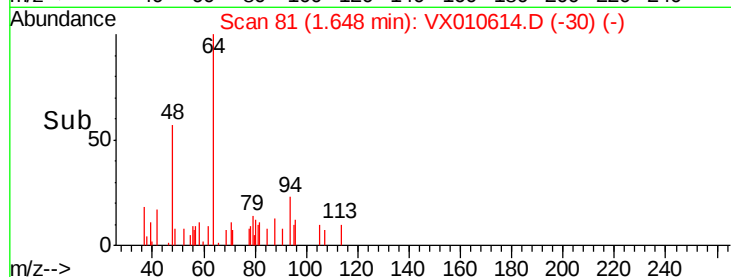
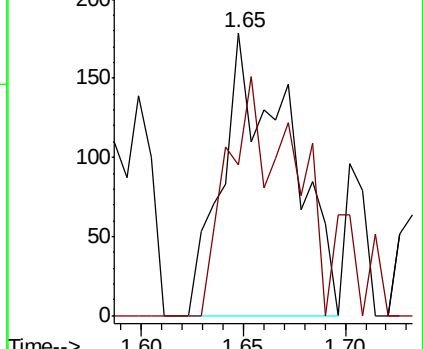
94 100

96 53.1 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: 0.320 ug/l

RT: 1.76 min Scan# 100

Delta R.T. 0.05 min

Lab File: VX010614.D

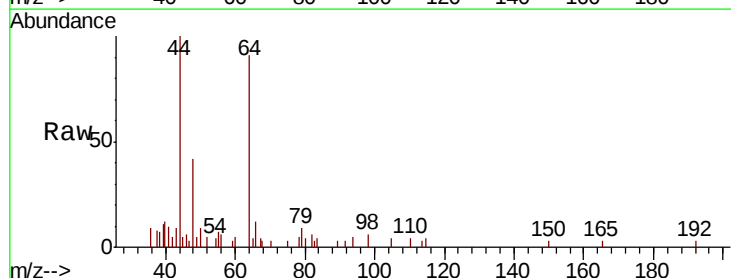
Acq: 02 Jul 2019 14:04

Tgt Ion: 64 Resp: 407

Ion Ratio Lower Upper

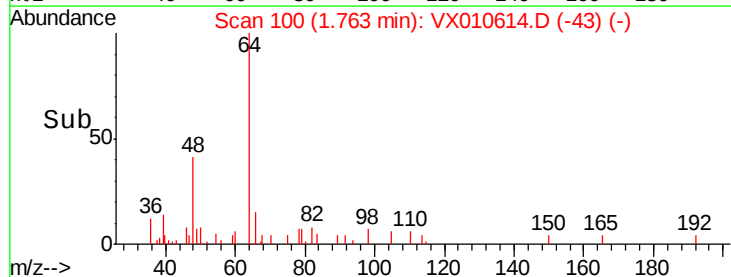
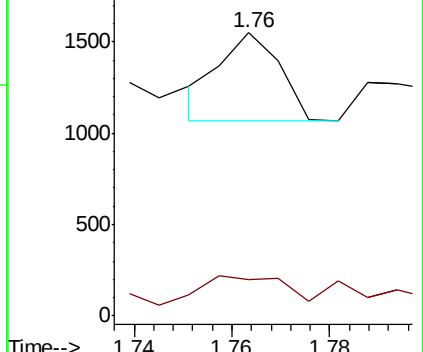
64 100

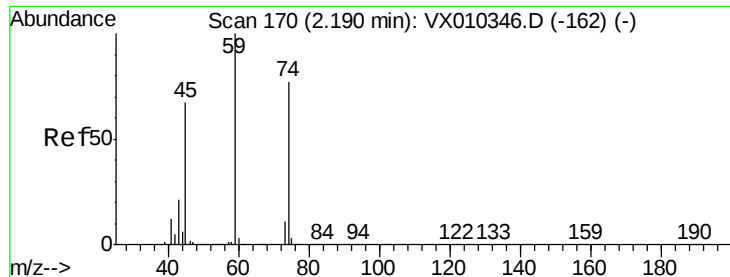
66 16.8 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#8

Diethyl Ether

Concen: 0.224 ug/l

RT: 2.18 min Scan# 169

Delta R.T. -0.01 min

Lab File: VX010614.D

Acq: 02 Jul 2019 14:04

Instrument :

MSVOA_X

ClientSampleId :

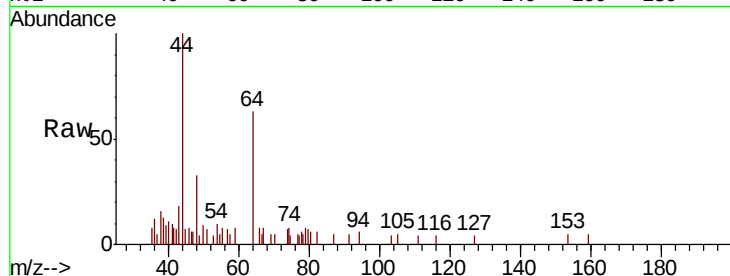
MWHR2-6-070119

Tot Ion: 74 Resp: 275

Ion Ratio Lower Upper

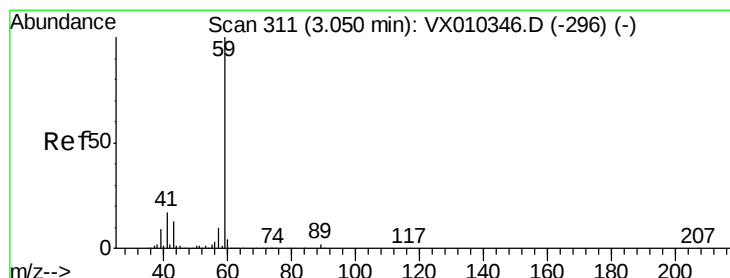
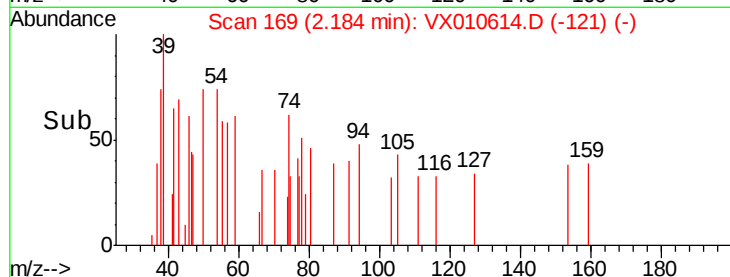
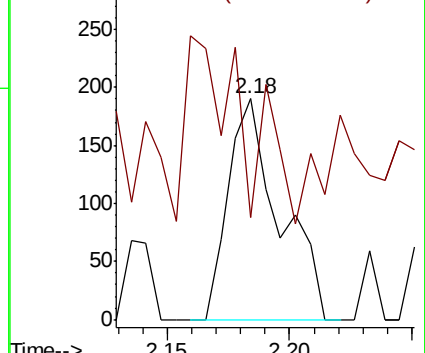
74 100

45 0.0 44.8 134.4#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 1.368 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX010614.D

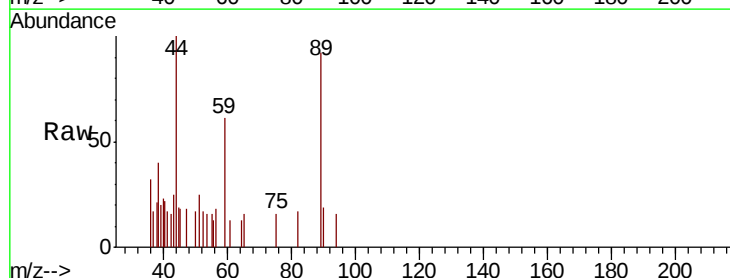
Acq: 02 Jul 2019 14:04

Tgt Ion: 59 Resp: 817

Ion Ratio Lower Upper

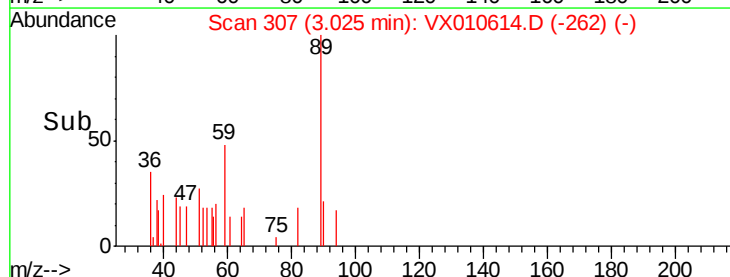
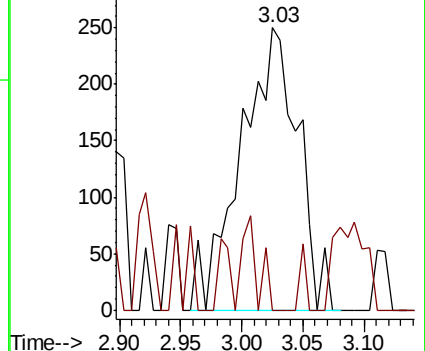
59 100

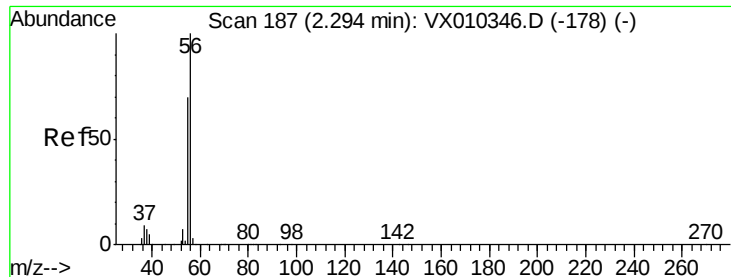
57 9.1 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.447 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010614.D

Acq: 02 Jul 2019 14:04

Instrument :

MSVOA_X

ClientSampleId :

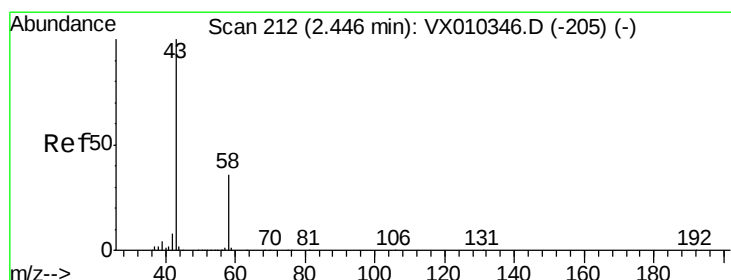
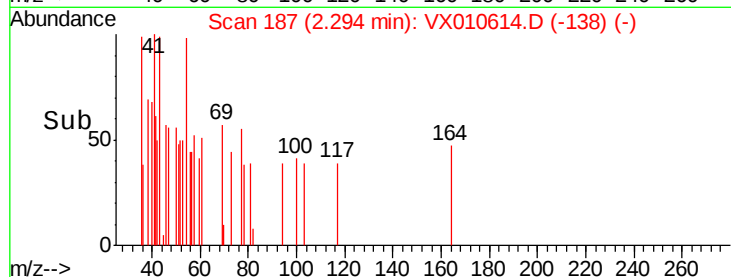
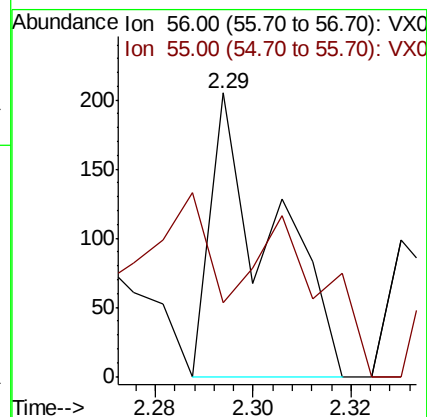
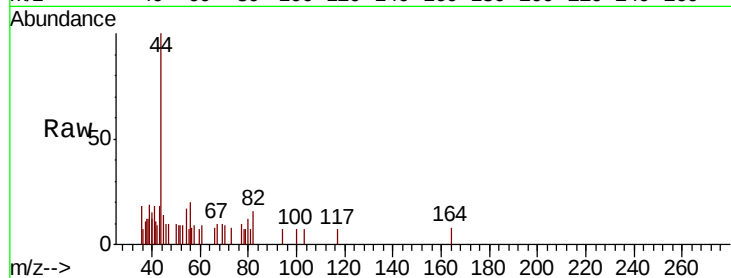
MWHR2-6-070119

Tot Ion: 56 Resp: 177

Ion Ratio Lower Upper

56 100

55 18.6 56.9 85.3#



#16

Acetone

Concen: 2.545 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010614.D

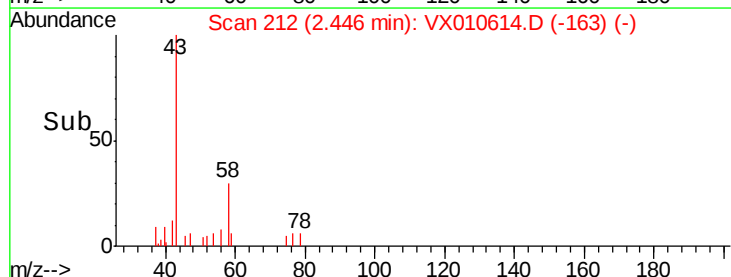
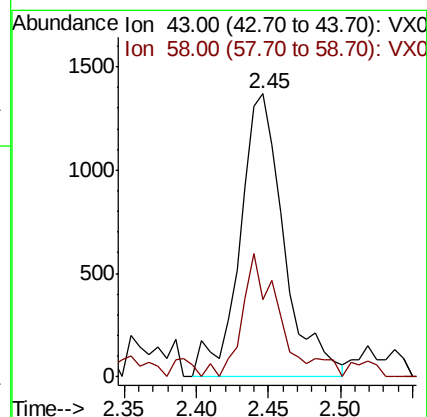
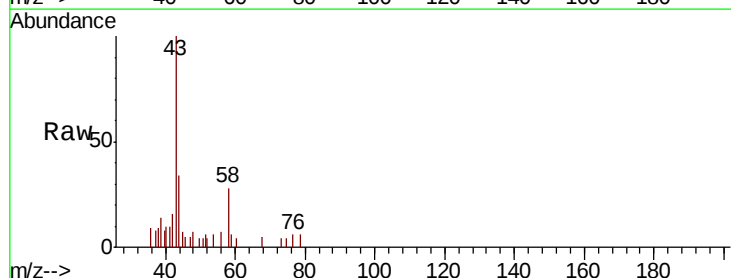
Acq: 02 Jul 2019 14:04

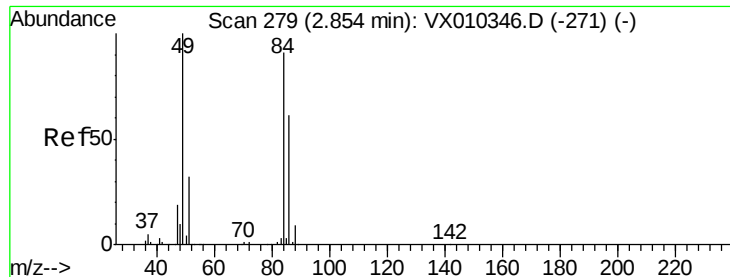
Tgt Ion: 43 Resp: 2910

Ion Ratio Lower Upper

43 100

58 27.5 28.9 43.3#

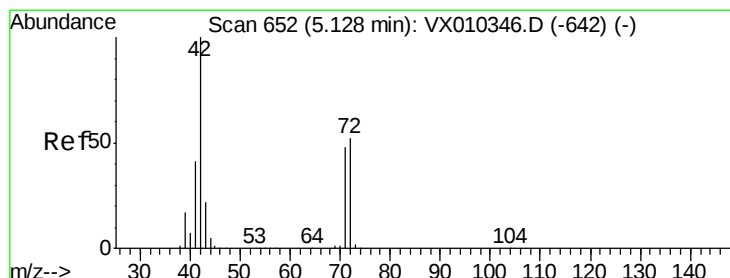
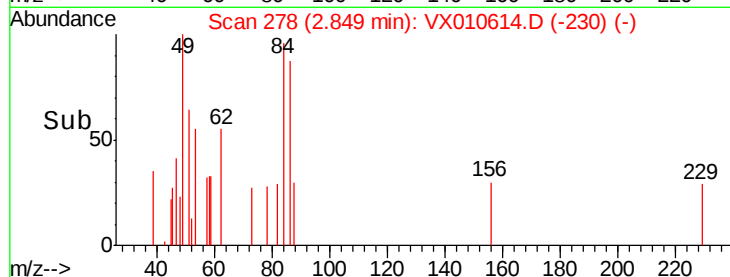
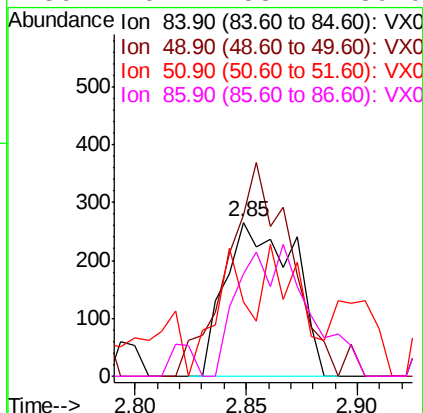
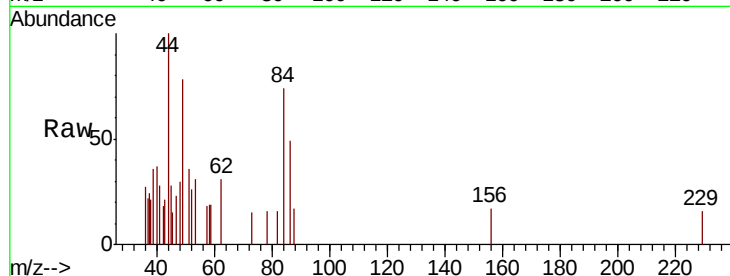




#20
Methylene Chloride
Concen: 0.241 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX010614.D
Acq: 02 Jul 2019 14:04

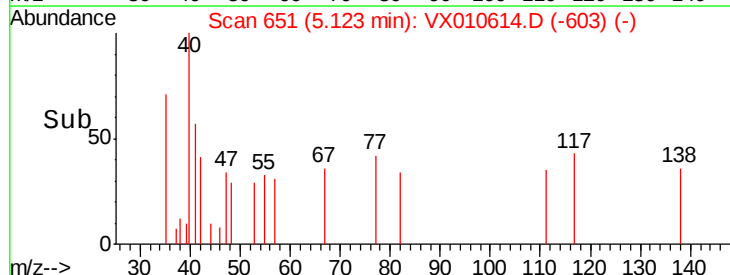
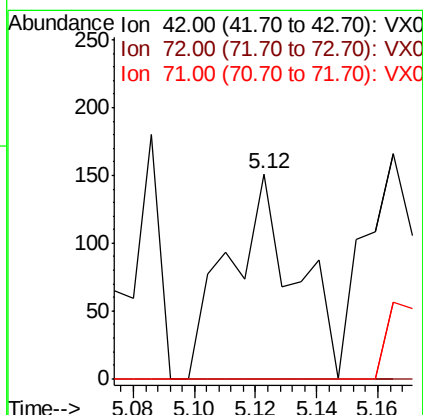
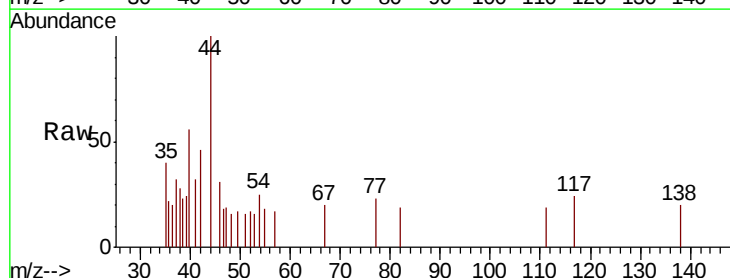
Instrument :
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ClientSampleId :
MWHR2-6-070119

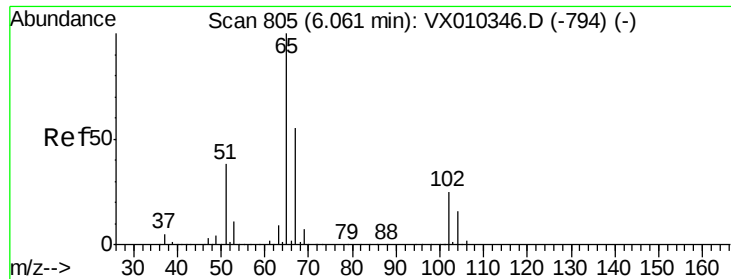
Tot Ion: 84 Resp: 566
Ion Ratio Lower Upper
84 100
49 104.5 87.5 131.3
51 48.5 27.7 41.5#
86 46.2 53.4 80.0#



#29
Tetrahydrofuran
Concen: 0.219 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX010614.D
Acq: 02 Jul 2019 14:04

Tgt Ion: 42 Resp: 228
Ion Ratio Lower Upper
42 100
72 0.0 40.6 60.8#
71 0.0 37.8 56.8#

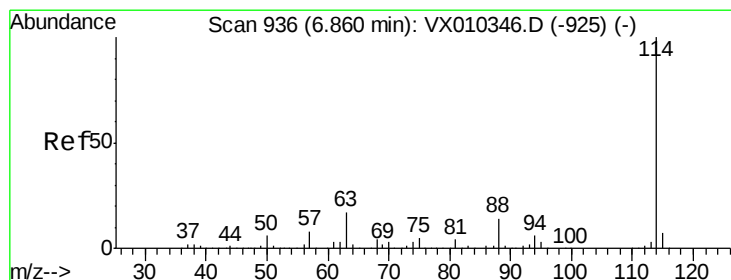
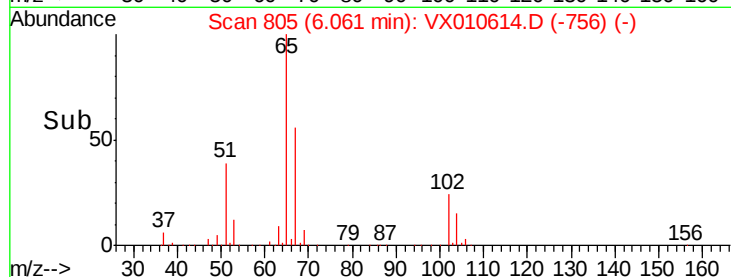
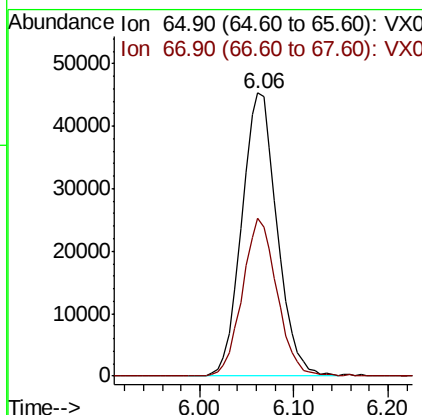
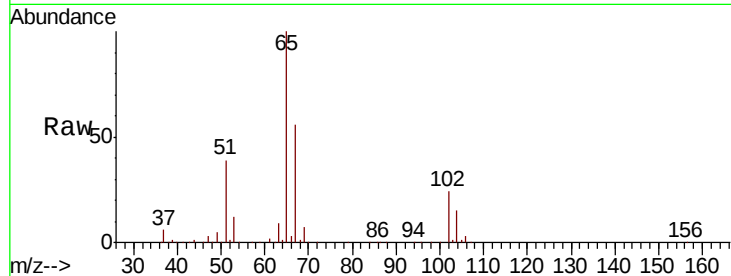




#33
 1,2-Dichloroethane-d4
 Concen: 52.097 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010614.D
 Acq: 02 Jul 2019 14:04

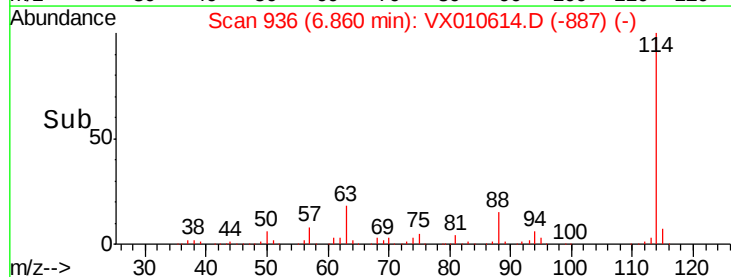
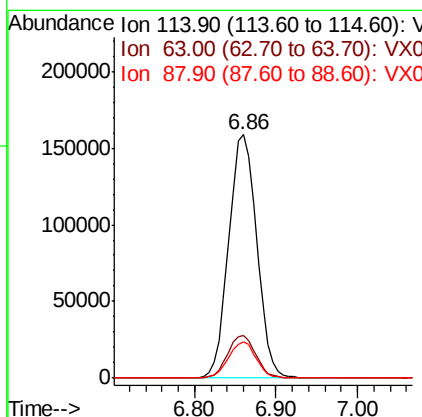
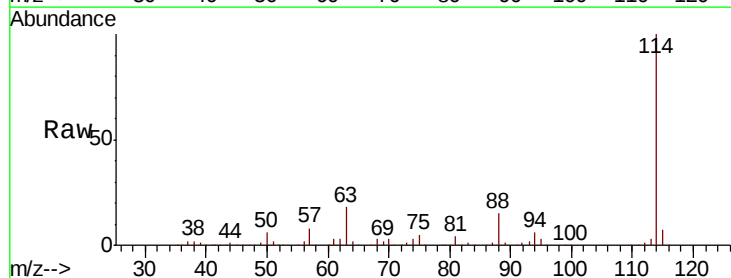
Instrument :
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 MWHR2-6-070119

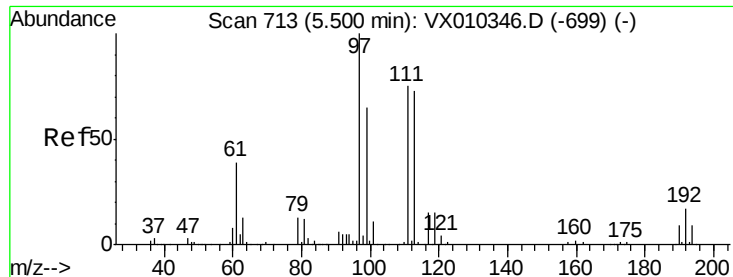
Tot Ion: 65 Resp: 118873
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010614.D
 Acq: 02 Jul 2019 14:04

Tgt Ion: 114 Resp: 377516
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 33.8
 88 15.0 0.0 27.6





#35

Dibromofluoromethane

Concen: 49.529 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010614.D

Acq: 02 Jul 2019 14:04

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-070119

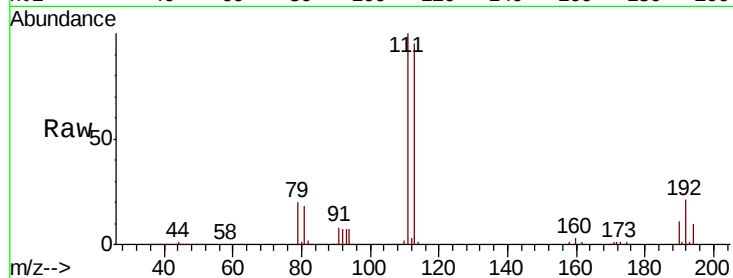
Tot Ion:113 Resp: 114401

Ion Ratio Lower Upper

113 100

111 103.2 81.2 121.8

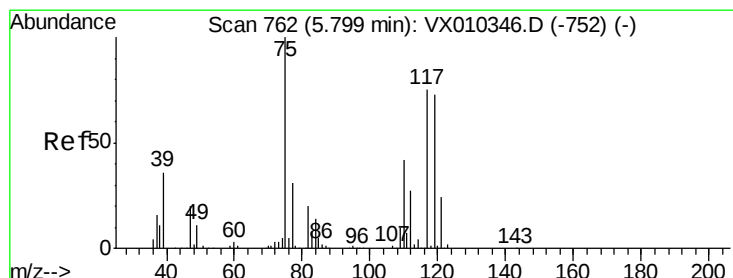
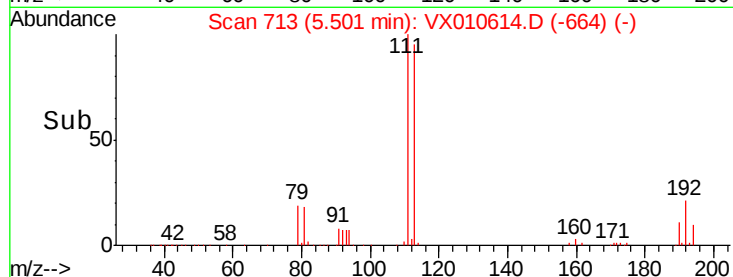
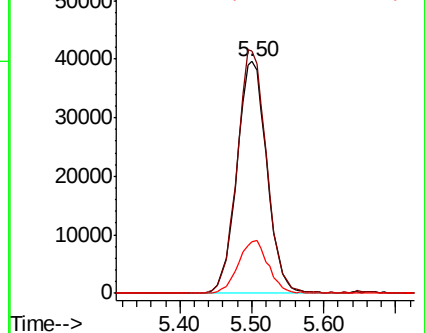
192 22.6 18.6 27.8



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: 5.028 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010614.D

Acq: 02 Jul 2019 14:04

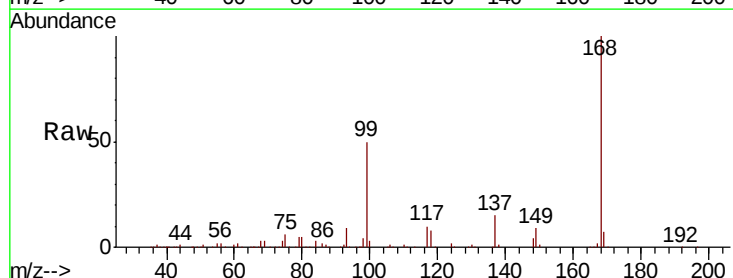
Tgt Ion: 75 Resp: 15083

Ion Ratio Lower Upper

75 100

110 11.6 20.8 62.2#

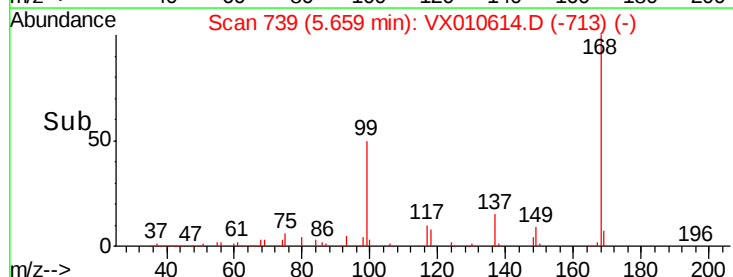
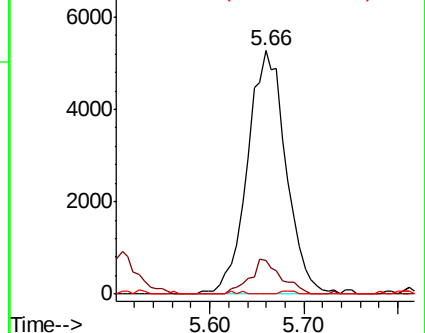
77 0.0 25.4 38.0#

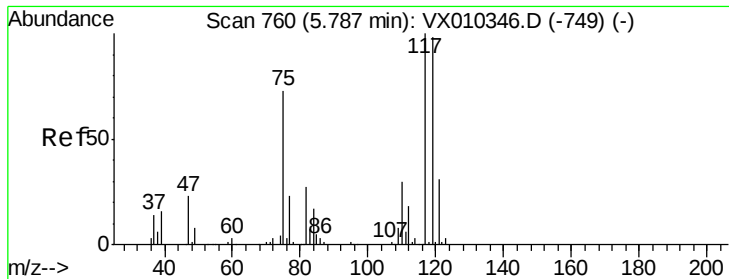


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.642 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010614.D

Acq: 02 Jul 2019 14:04

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-070119

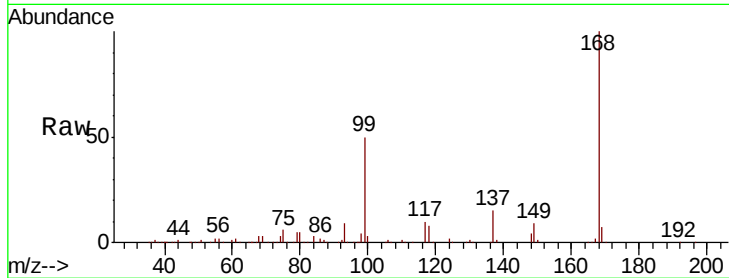
Tot Ion:117 Resp: 21577

Ion Ratio Lower Upper

117 100

119 5.1 78.2 117.4#

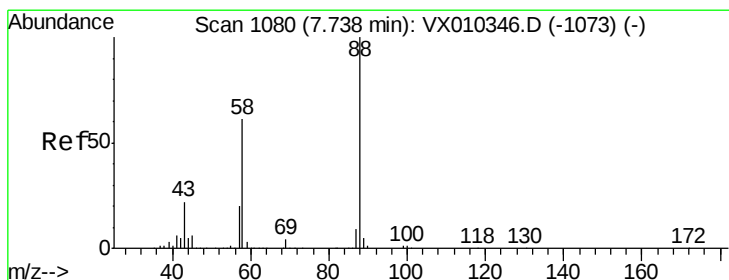
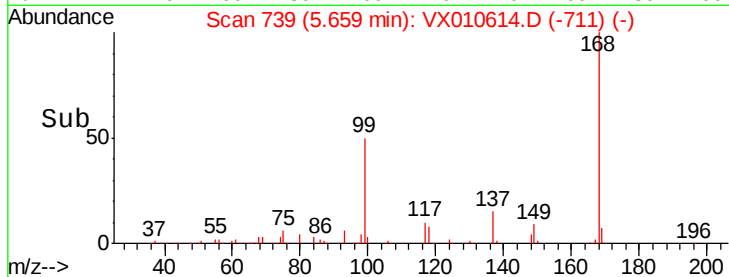
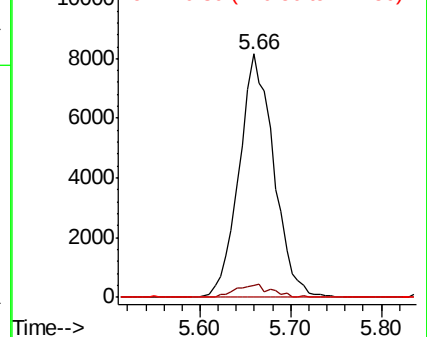
121 0.0 24.7 37.1#



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: 0.863 ug/l

RT: 7.91 min Scan# 1108

Delta R.T. 0.17 min

Lab File: VX010614.D

Acq: 02 Jul 2019 14:04

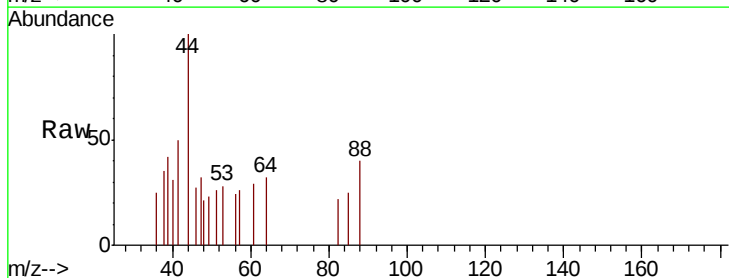
Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.2#

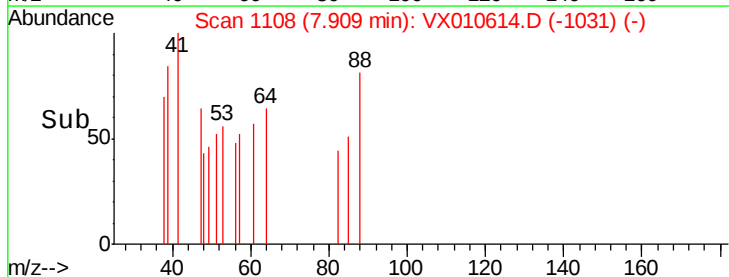
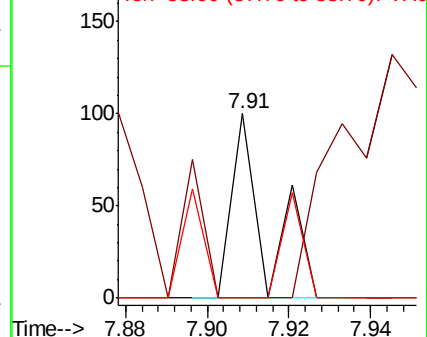
58 37.3 49.5 74.3#

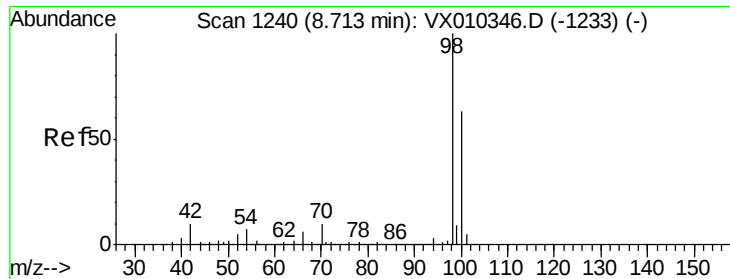


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.690 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010614.D

Acq: 02 Jul 2019 14:04

Instrument :

MSVOA_X

ClientSampleId :

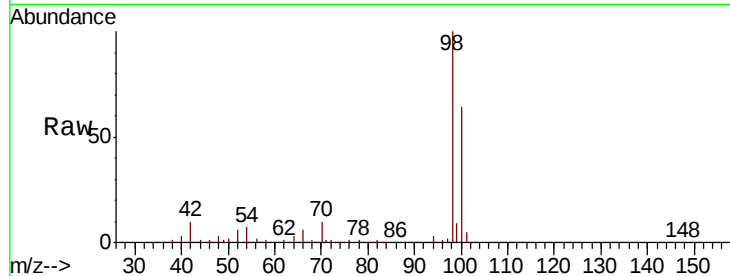
MWHR2-6-070119

Tot Ion: 98 Resp: 447937

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

300000

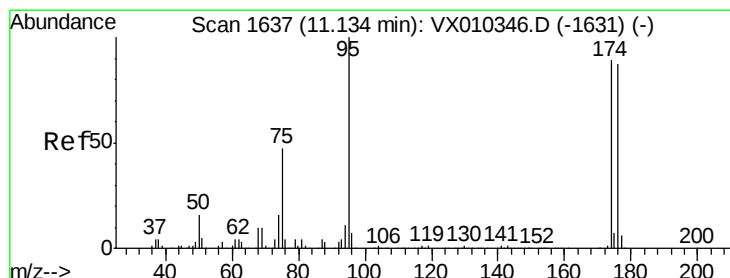
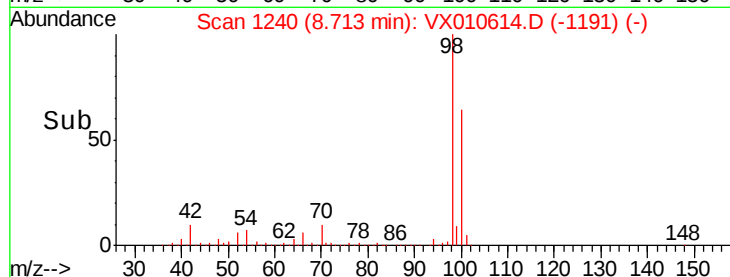
200000

100000

0

8.60 8.70 8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 46.025 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010614.D

Acq: 02 Jul 2019 14:04

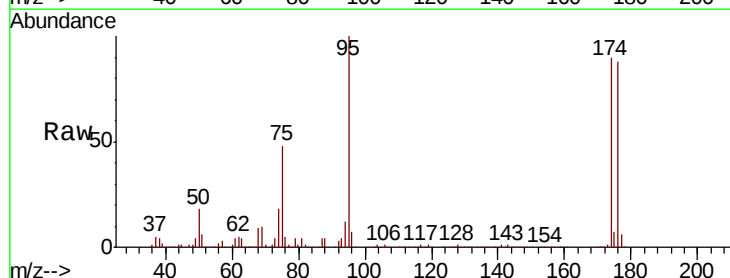
Tgt Ion: 95 Resp: 146833

Ion Ratio Lower Upper

95 100

174 96.1 0.0 187.6

176 92.9 0.0 184.0



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

150000

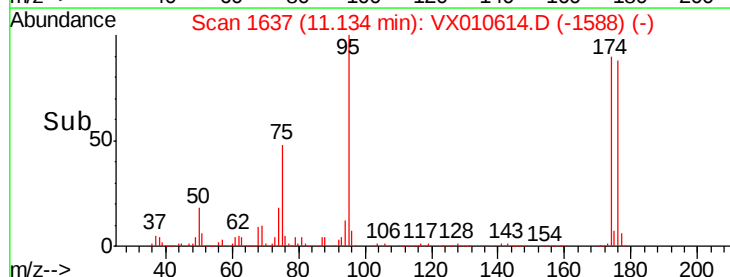
100000

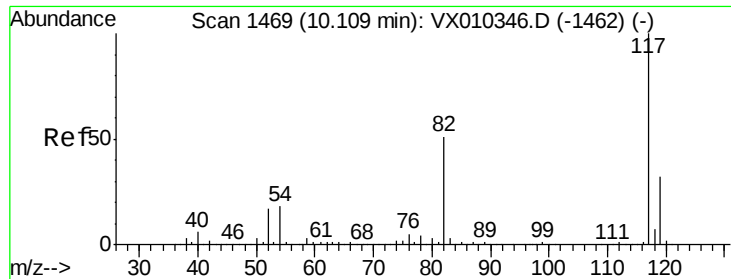
50000

0

11.00 11.10 11.20 11.30

Time-->

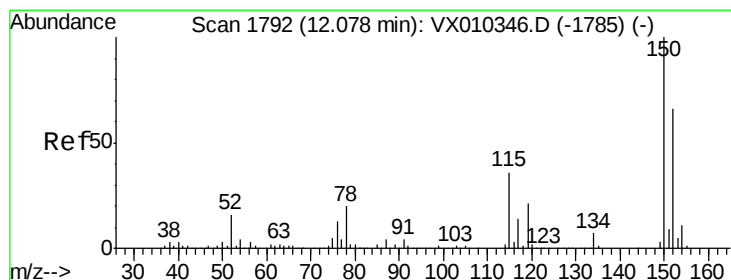
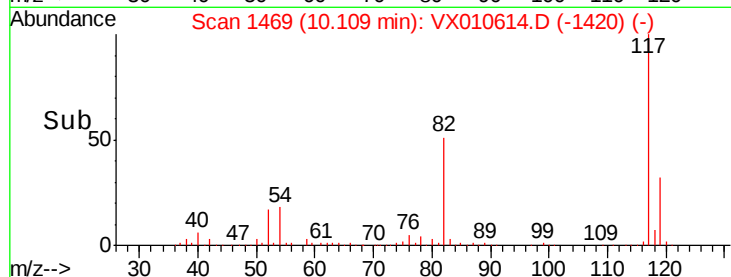
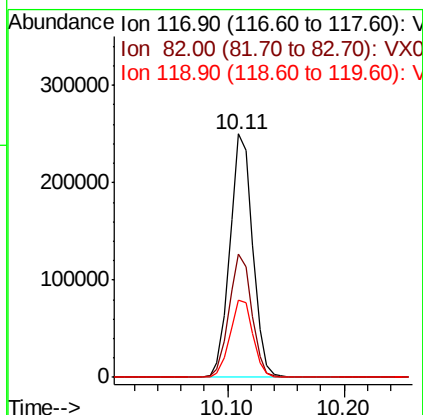
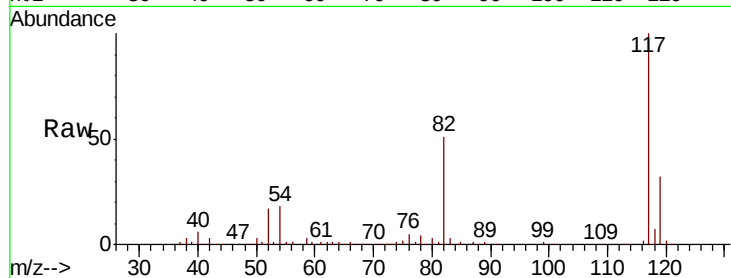




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010614.D
Acq: 02 Jul 2019 14:04

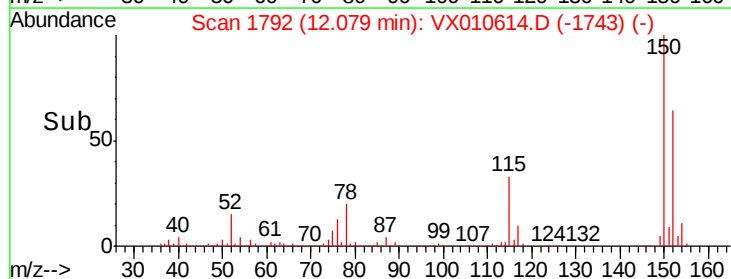
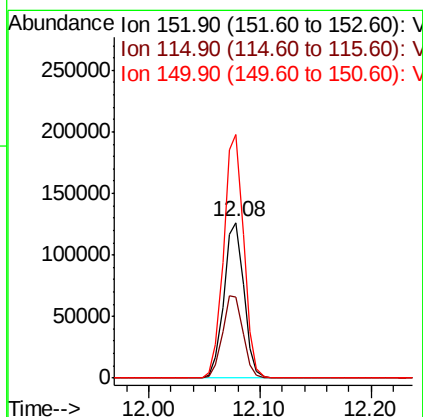
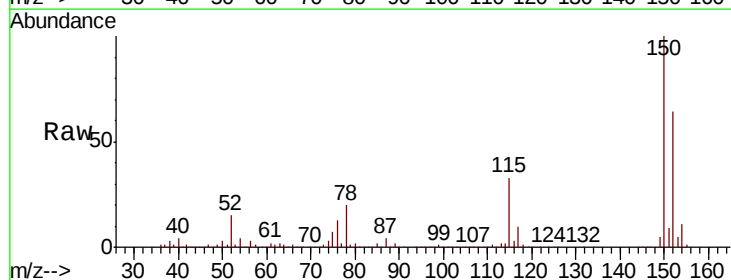
Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-070119

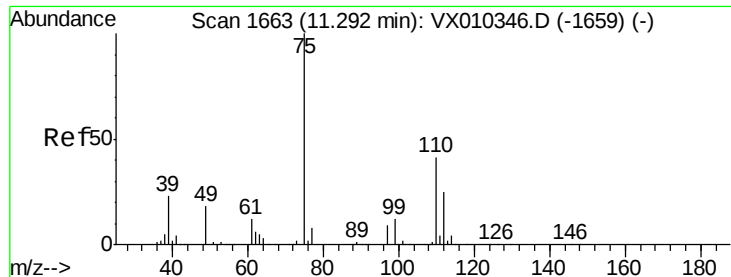
Tot Ion:117 Resp: 340830
Ion Ratio Lower Upper
117 100
82 50.9 41.2 61.8
119 31.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010614.D
Acq: 02 Jul 2019 14:04

Tgt Ion:152 Resp: 157240
Ion Ratio Lower Upper
152 100
115 54.2 38.6 115.7
150 157.5 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 24.855 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010614.D

Acq: 02 Jul 2019 14:04

Instrument :

MSVOA_X

ClientSampleId :

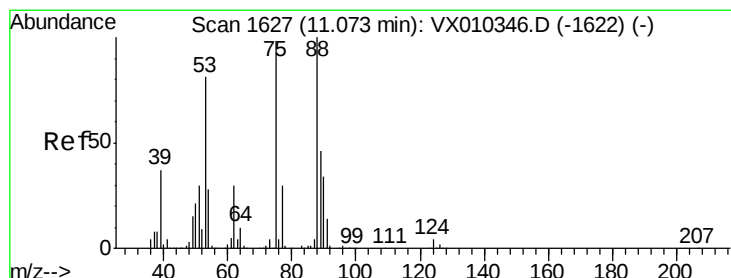
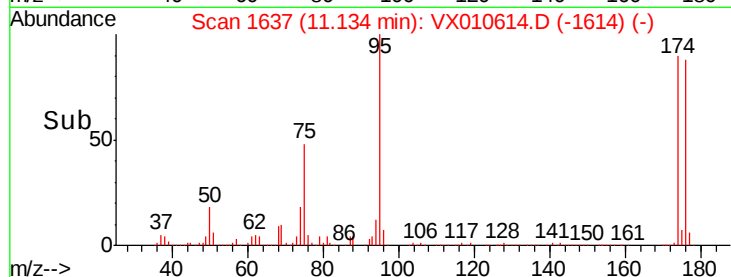
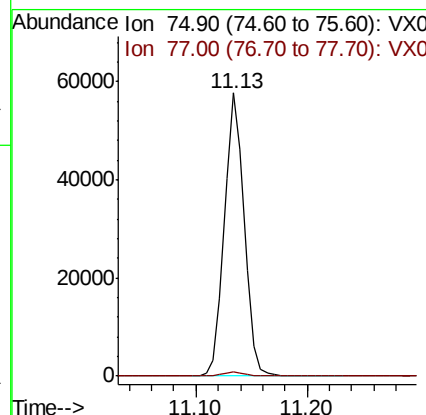
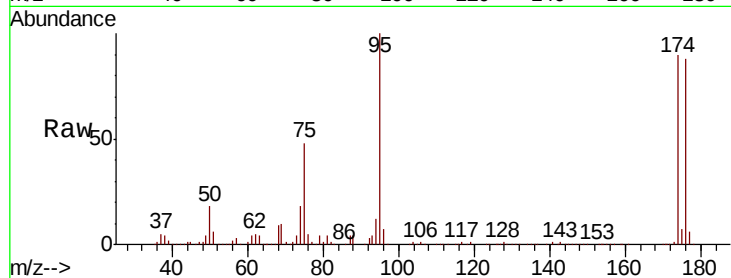
MWHR2-6-070119

Tot Ion: 75 Resp: 71219

Ion Ratio Lower Upper

75 100

77 1.5 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.985 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010614.D

Acq: 02 Jul 2019 14:04

Tgt Ion: 75 Resp: 71219

Ion Ratio Lower Upper

75 100

53 0.3 66.1 99.1#

89 0.0 37.8 56.6#

