

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092619\
 Data File : VX012685.D
 Acq On : 26 Sep 2019 19:34
 Operator : JC/SP
 Sample : K5049-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

Quant Time: Sep 27 01:40:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

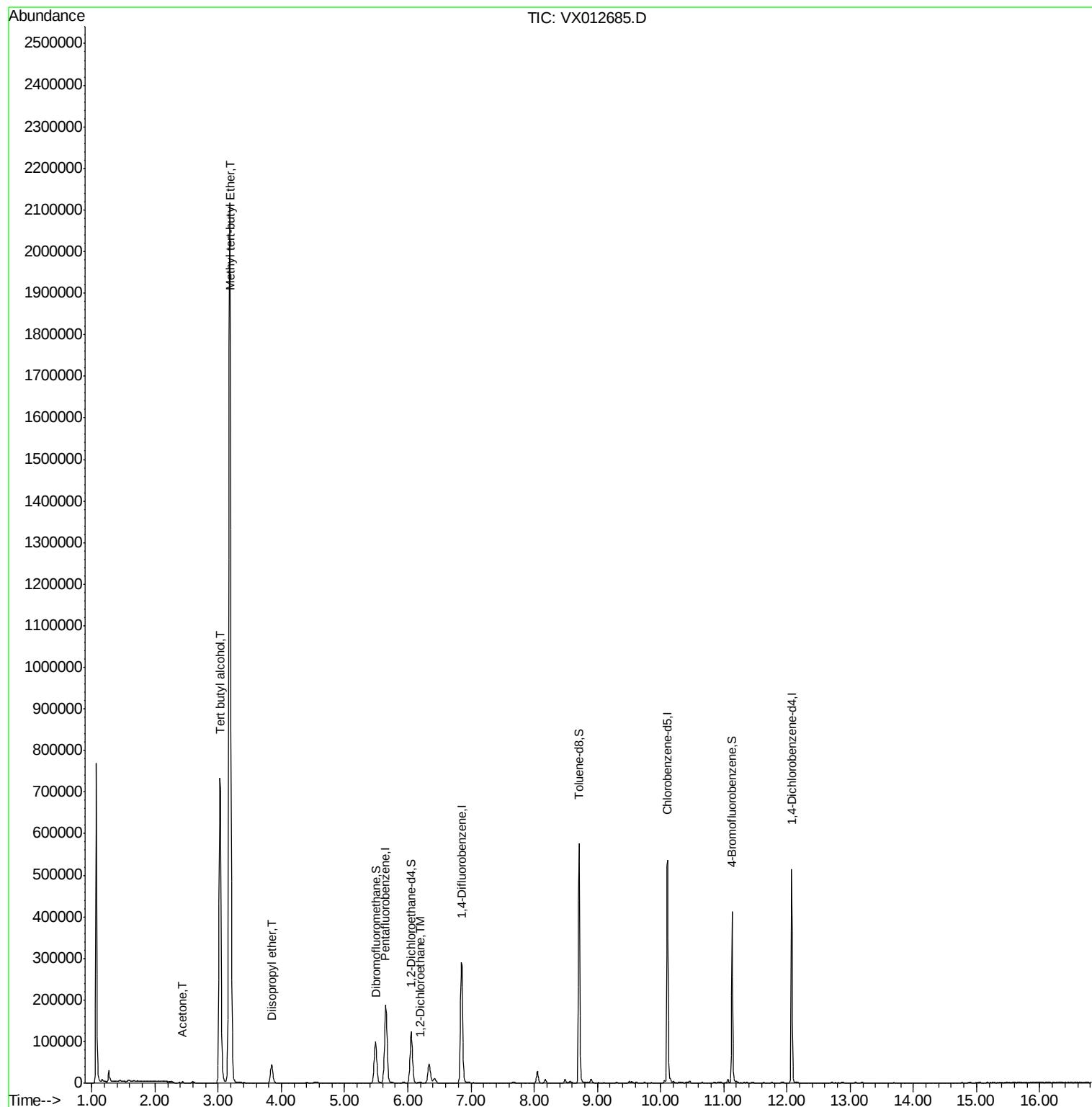
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	163161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	286164	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	243232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	94942	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	119230	50.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.36%	
35) Dibromofluoromethane	5.49	113	84547	49.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.22%	
50) Toluene-d8	8.71	98	337424	51.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.82%	
62) 4-Bromofluorobenzene	11.14	95	117298	45.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.90%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.03	59	896142	1509.863	ug/l	100
16) Acetone	2.44	43	2342	1.861	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	2403412	361.955	ug/l	98
22) Diisopropyl ether	3.84	45	46578	6.926	ug/l #	80
42) 1,2-Dichloroethane	6.20	62	2898	0.940	ug/l	91

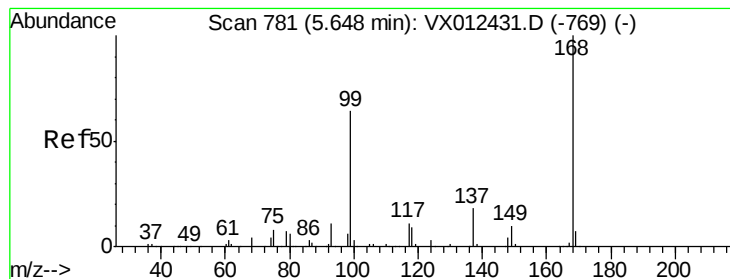
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012685.D

Acq: 26 Sep 2019 19:34

Instrument :

MSVOA_X

ClientSampleId :

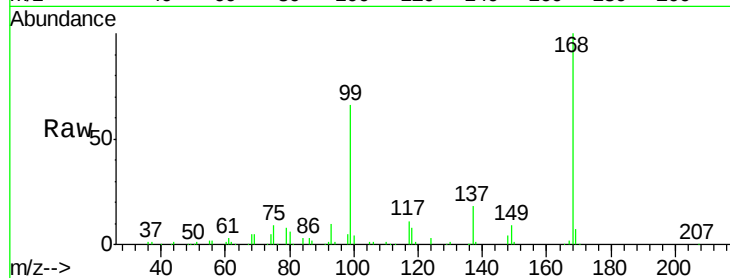
MW-7

Tot Ion:168 Resp: 163161

Ion Ratio Lower Upper

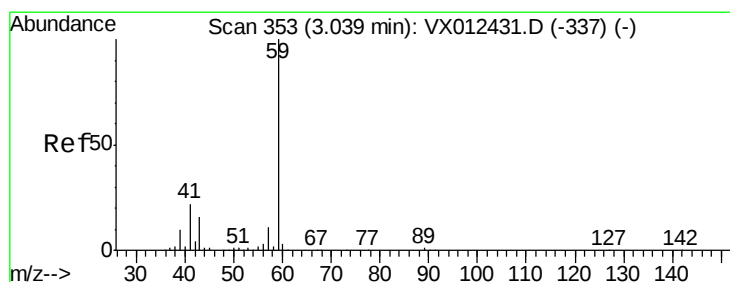
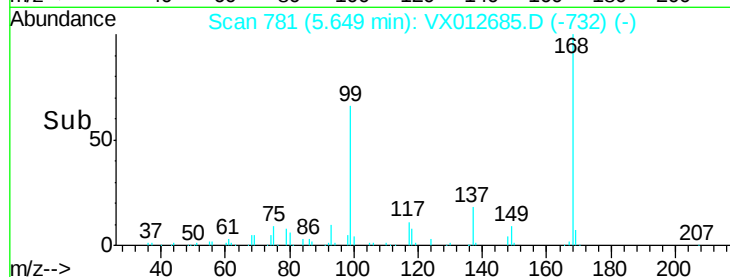
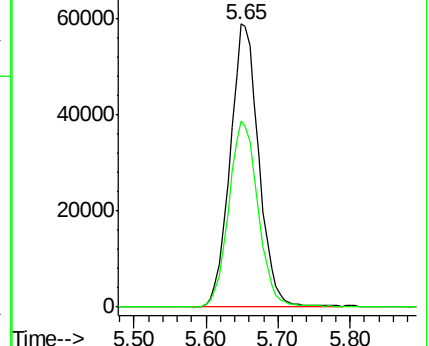
168 100

99 65.4 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 1509.863 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX012685.D

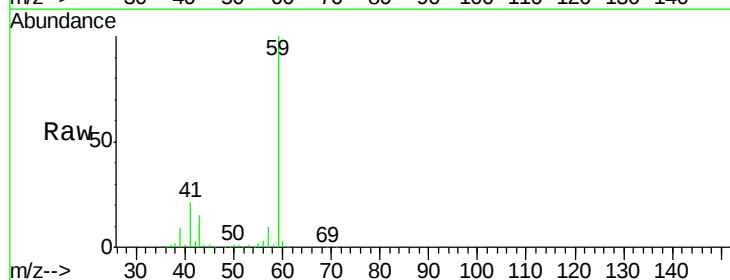
Acq: 26 Sep 2019 19:34

Tgt Ion: 59 Resp: 896142

Ion Ratio Lower Upper

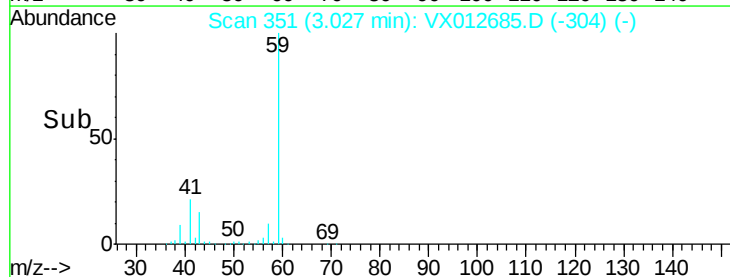
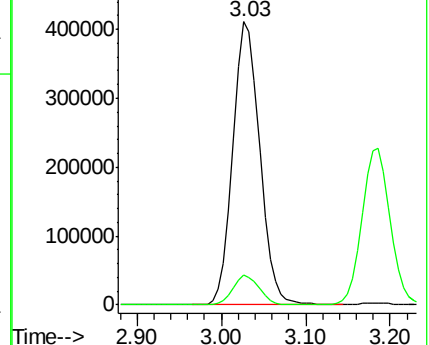
59 100

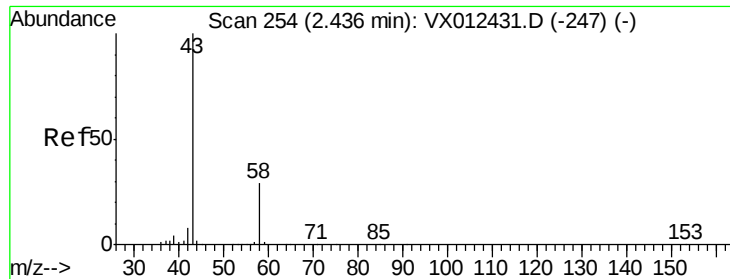
57 10.3 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 1.861 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012685.D

Acq: 26 Sep 2019 19:34

Instrument :

MSVOA_X

ClientSampleId :

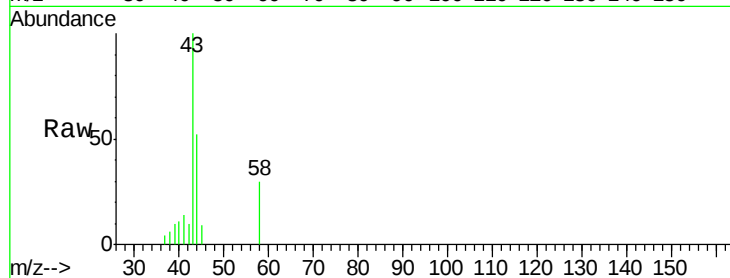
MW-7

Tot Ion: 43 Resp: 2342

Ion Ratio Lower Upper

43 100

58 29.7 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

1500

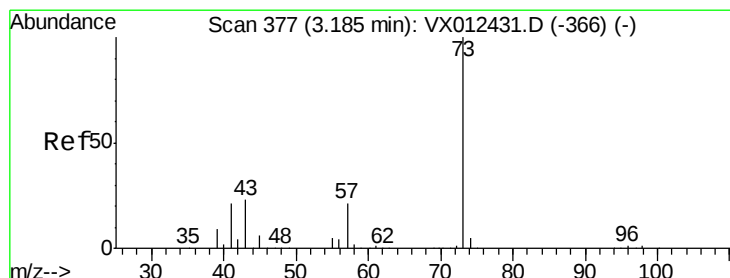
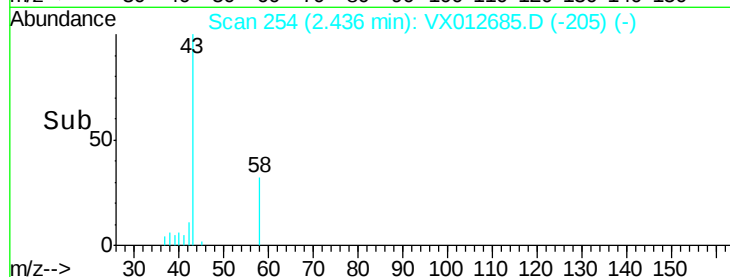
1000

500

0

Time-->

2.40 2.45 2.50



#19

Methyl tert-butyl Ether

Concen: 361.955 ug/l

RT: 3.19 min Scan# 377

Delta R.T. 0.00 min

Lab File: VX012685.D

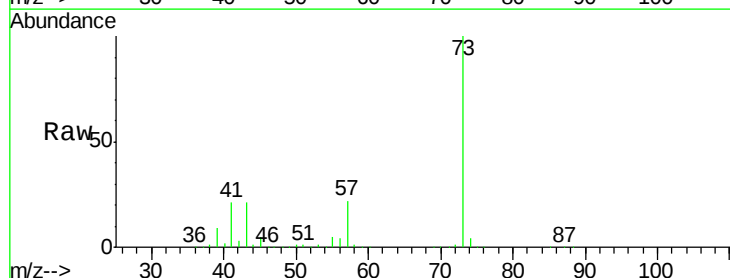
Acq: 26 Sep 2019 19:34

Tgt Ion: 73 Resp: 2403412

Ion Ratio Lower Upper

73 100

57 22.1 16.8 25.2



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

1200000

1000000

800000

600000

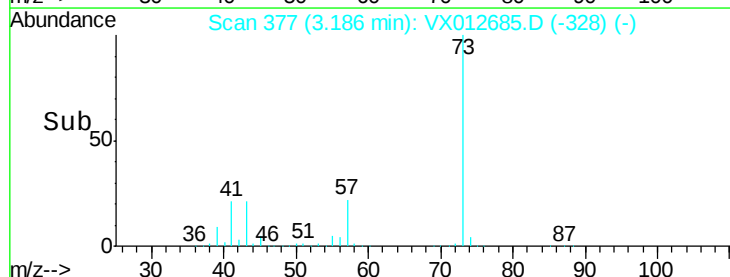
400000

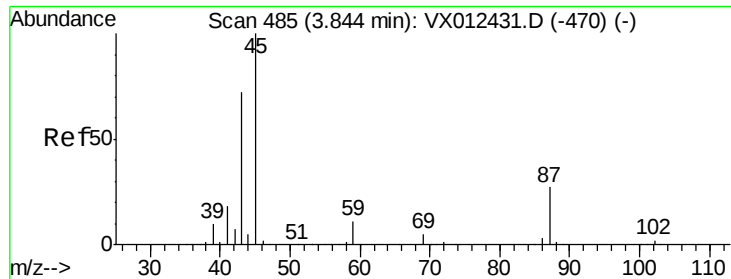
200000

0

Time-->

3.00 3.10 3.20 3.30 3.40





#22

Diisopropyl ether

Concen: 6.926 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012685.D

Acq: 26 Sep 2019 19:34

Instrument :

MSVOA_X

ClientSampled :

MW-7

Tot Ion: 45 Resp: 46578

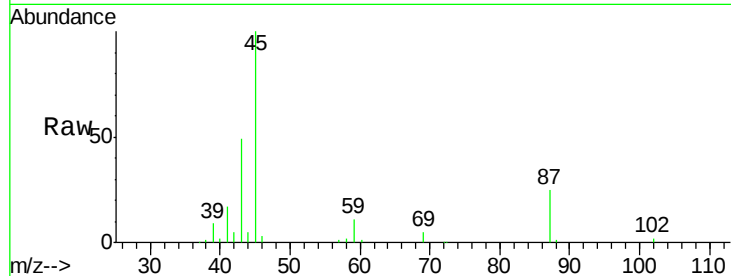
Ion Ratio Lower Upper

45 100

43 48.4 57.8 86.8#

87 25.4 21.3 31.9

59 10.7 8.5 12.7

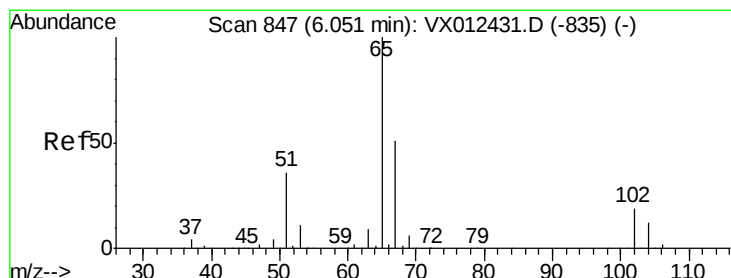
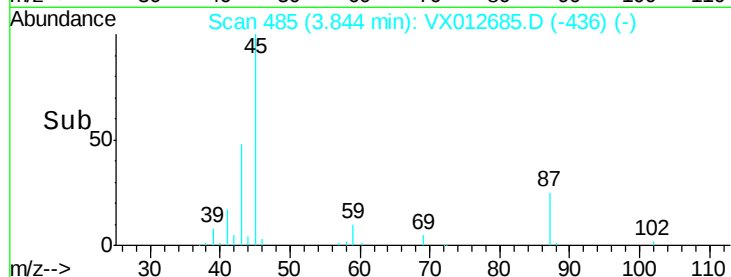
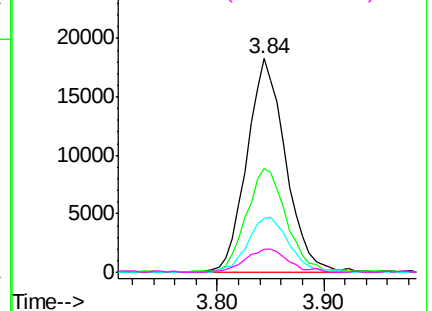


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.182 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012685.D

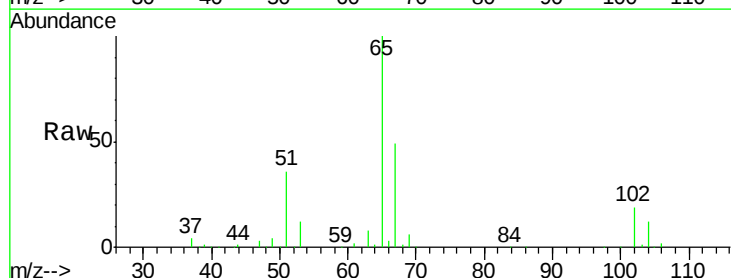
Acq: 26 Sep 2019 19:34

Tgt Ion: 65 Resp: 119230

Ion Ratio Lower Upper

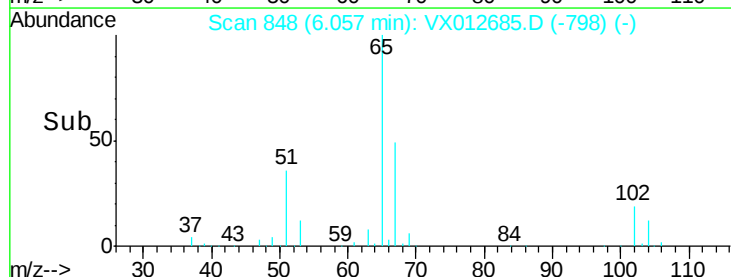
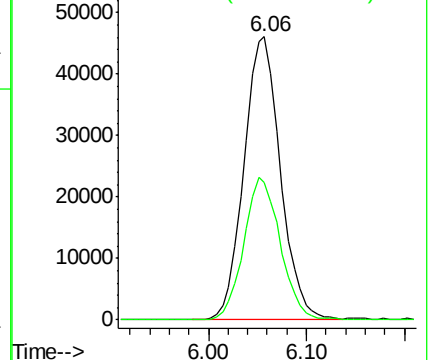
65 100

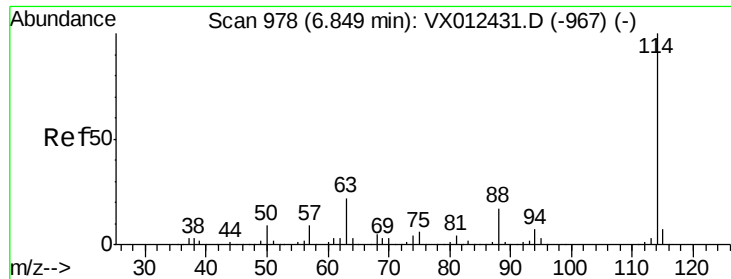
67 50.4 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

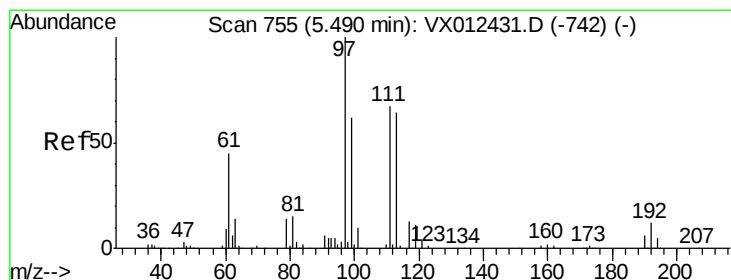
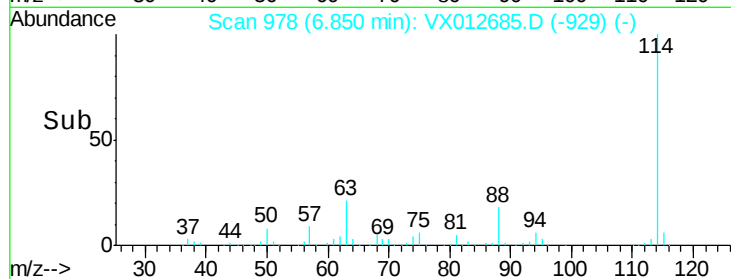
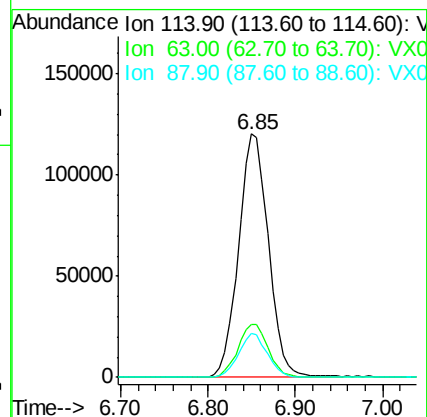
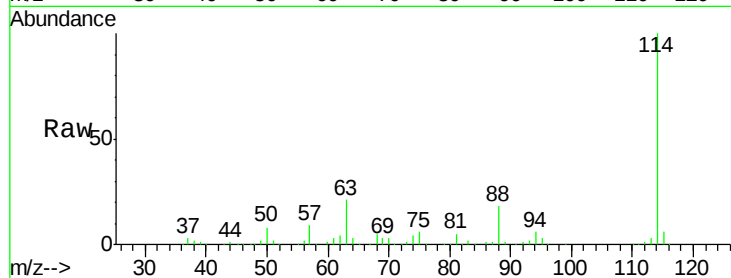




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012685.D
 Acq: 26 Sep 2019 19:34

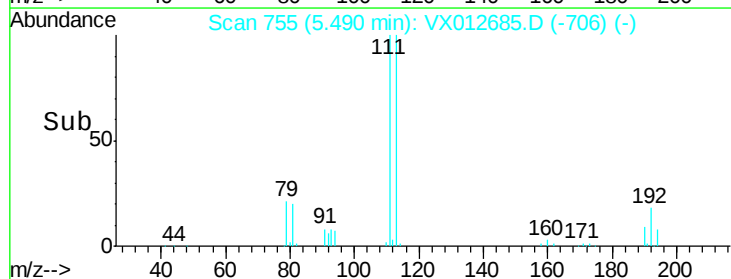
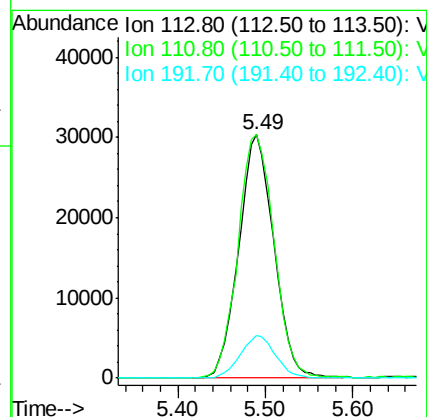
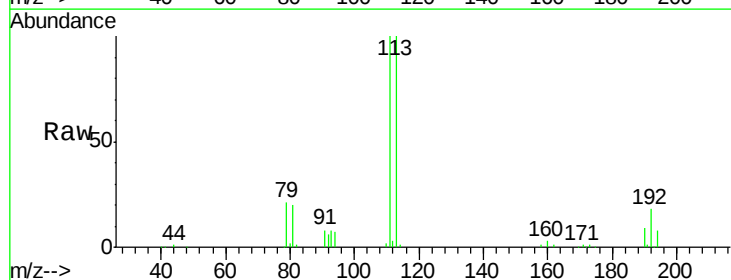
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

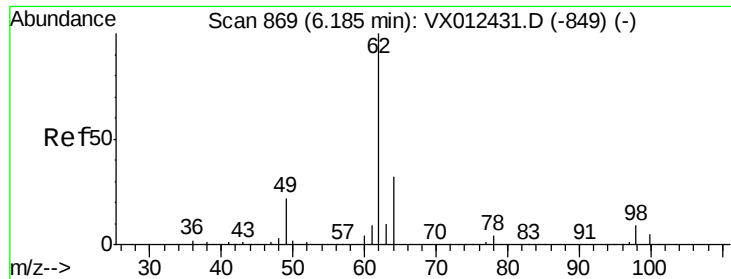
Tot Ion:114 Resp: 286164
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 17.8 0.0 33.2



#35
 Dibromofluoromethane
 Concen: 49.610 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012685.D
 Acq: 26 Sep 2019 19:34

Tgt Ion:113 Resp: 84547
 Ion Ratio Lower Upper
 113 100
 111 103.4 83.4 125.2
 192 17.7 14.4 21.6





#42

1,2-Dichloroethane

Concen: 0.940 ug/l

RT: 6.20 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX012685.D

Acq: 26 Sep 2019 19:34

Instrument :

MSVOA_X

ClientSampleId :

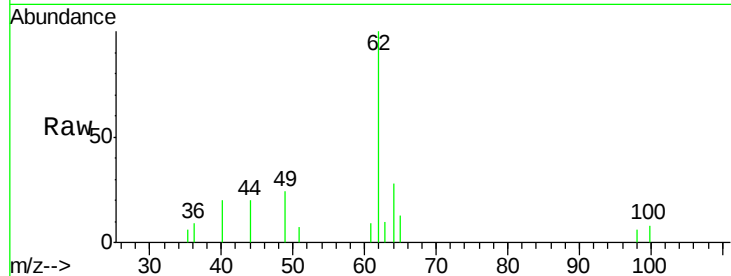
MW-7

Tot Ion: 62 Resp: 2898

Ion Ratio Lower Upper

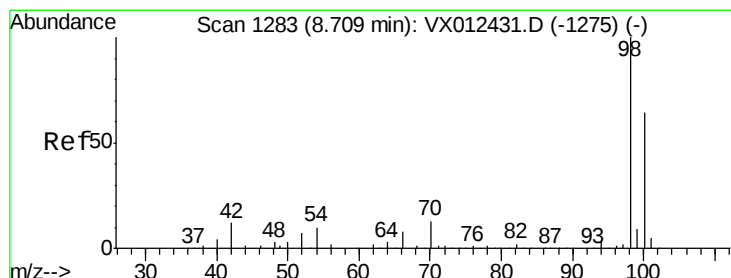
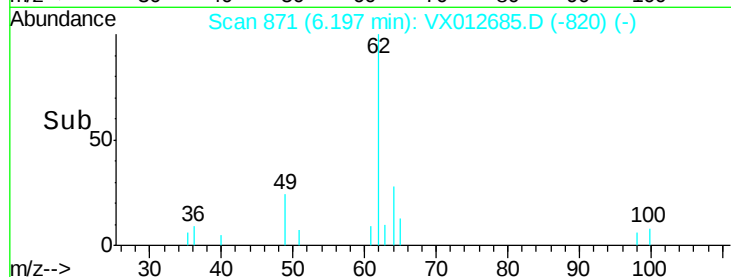
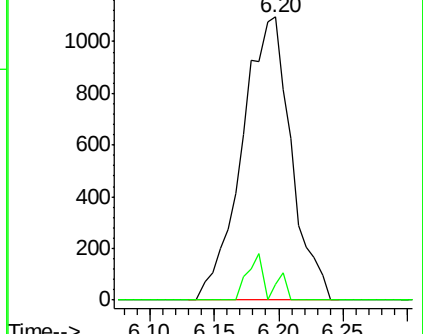
62 100

98 5.8 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#50

Toluene-d8

Concen: 51.412 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012685.D

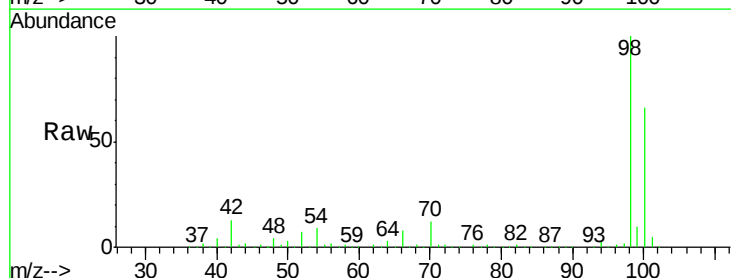
Acq: 26 Sep 2019 19:34

Tgt Ion: 98 Resp: 337424

Ion Ratio Lower Upper

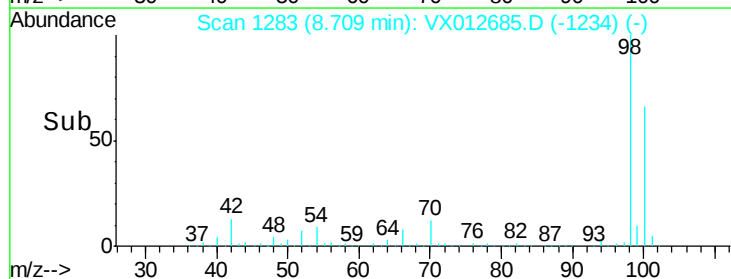
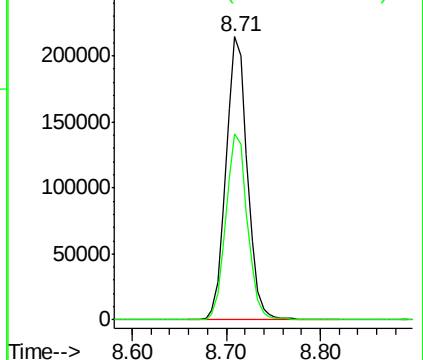
98 100

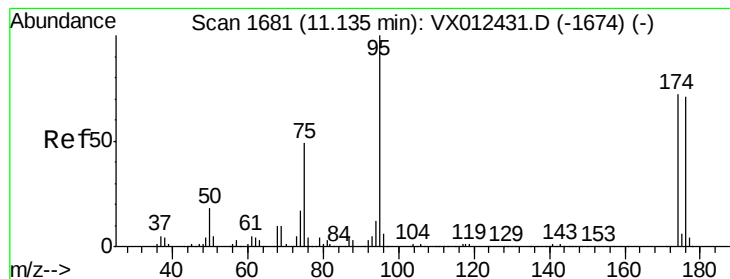
100 66.4 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.453 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012685.D

Acq: 26 Sep 2019 19:34

Instrument :

MSVOA_X

ClientSampleId :

MW-7

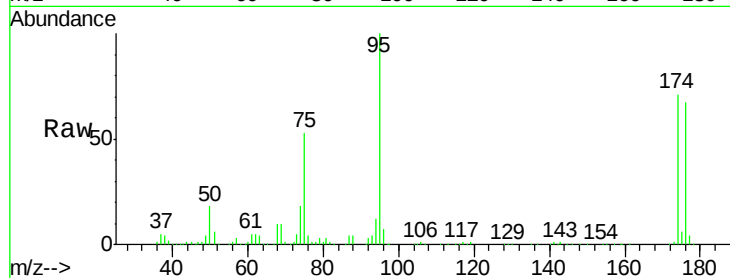
Tot Ion: 95 Resp: 117298

Ion Ratio Lower Upper

95 100

174 67.3 0.0 140.0

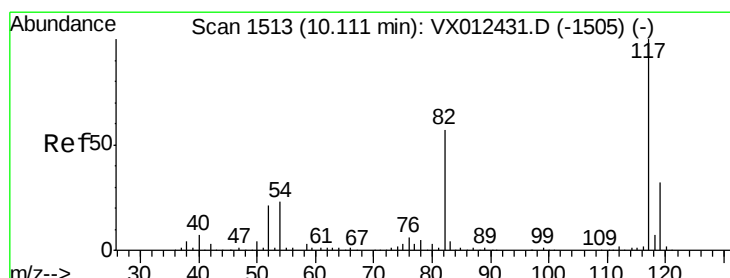
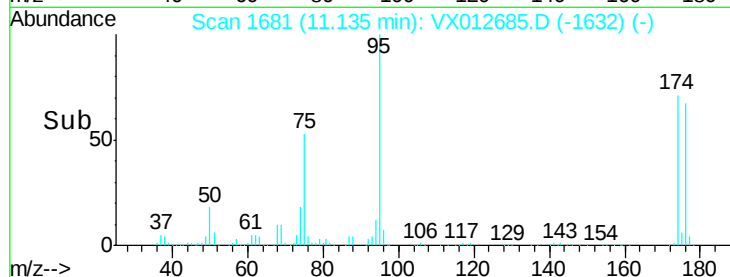
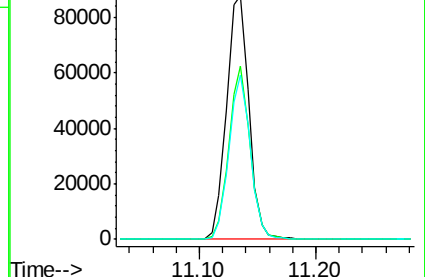
176 64.7 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX012431.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX012431.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX012431.D (-1674) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012685.D

Acq: 26 Sep 2019 19:34

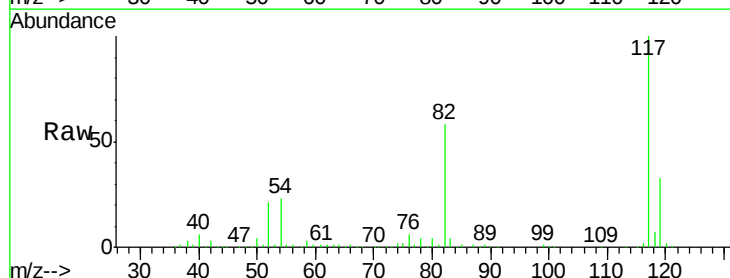
Tgt Ion: 117 Resp: 243232

Ion Ratio Lower Upper

117 100

82 58.3 45.9 68.9

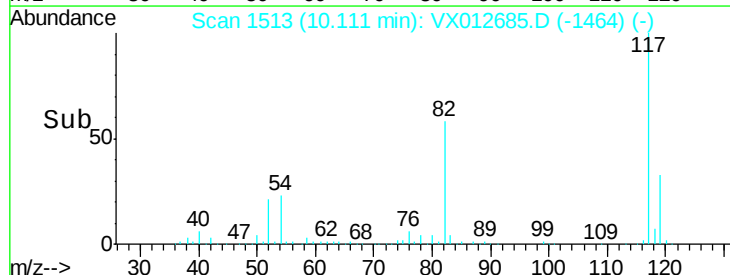
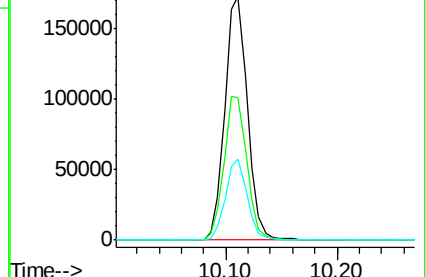
119 33.3 25.3 37.9

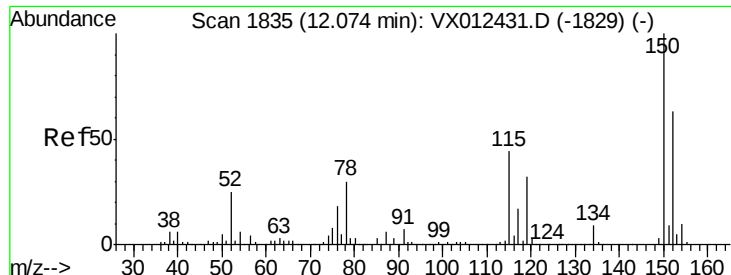


Abundance Ion 116.90 (116.60 to 117.60): VX012431.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012431.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012431.D (-1505) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012685.D

Acq: 26 Sep 2019 19:34

Instrument :

MSVOA_X

ClientSampleId :

MW-7

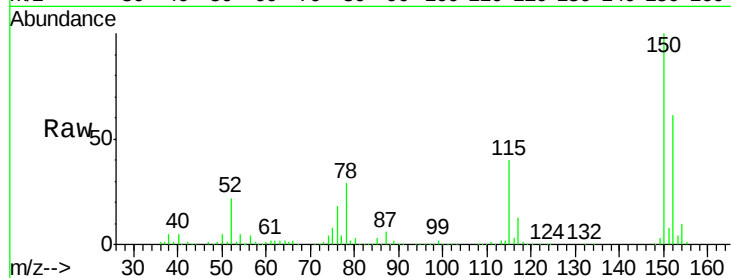
Tot Ion:152 Resp: 94942

Ion Ratio Lower Upper

152 100

115 66.0 44.1 132.3

150 160.1 0.0 343.8



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

