

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061219\
 Data File : VX010247.D
 Acq On : 12 Jun 2019 13:51
 Operator : JC/SP
 Sample : K3315-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB02-20190611

Quant Time: Jun 13 01:26:14 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	326521	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	494407	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	447207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	208270	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	146874	46.08	ug/l	0.00
Spiked Amount			Recovery	=	92.16%	
35) Dibromofluoromethane	5.50	113	151565	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
50) Toluene-d8	8.71	98	578799	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
62) 4-Bromofluorobenzene	11.13	95	196266	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	

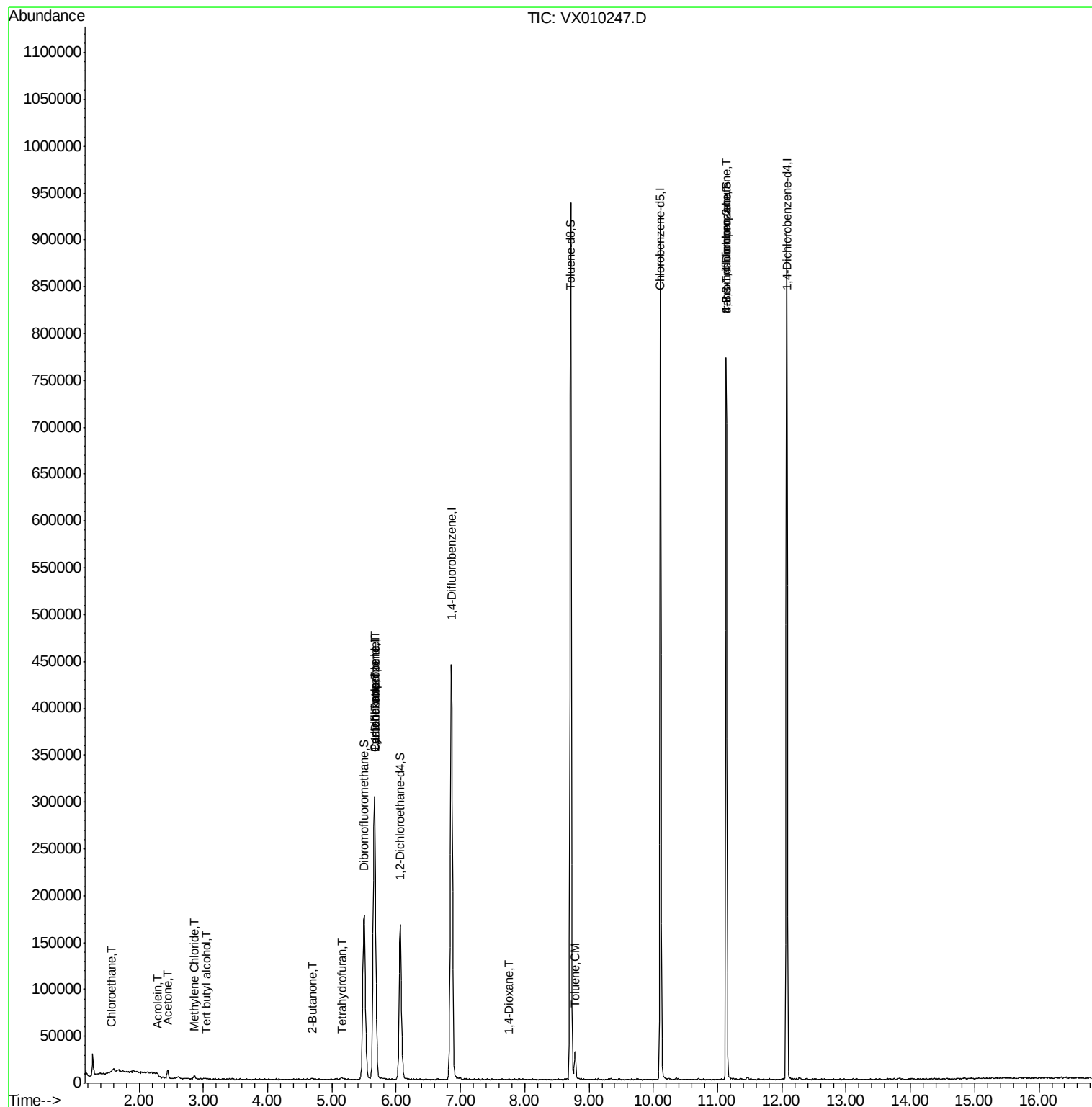
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.56	64	3407	2.410	ug/l #	45
11) Tert butyl alcohol	3.05	59	1115	1.428	ug/l #	63
13) Acrolein	2.29	56	177	1.243	ug/l #	79
16) Acetone	2.45	43	9144	6.100	ug/l #	74
20) Methylene Chloride	2.87	84	1603	0.487	ug/l #	70
25) 2-Butanone	4.70	43	1173	0.525	ug/l	100
29) Tetrahydrofuran	5.15	42	2481	1.769	ug/l #	78
31) Cyclohexane	5.66	56	5329	1.149	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	19238	4.769	ug/l #	52
38) Carbon Tetrachloride	5.66	117	28265	6.191	ug/l #	15
49) 1,4-Dioxane	7.76	88	26	0.278	ug/l #	1
52) Toluene	8.79	92	10778	1.315	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	90353	21.689	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	90353	47.921	ug/l #	10

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

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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: VX010247.D

Acq: 12 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

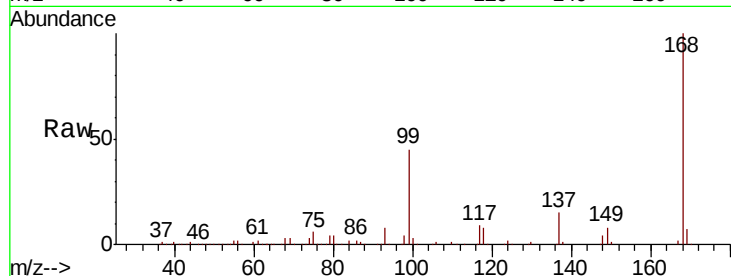
EB02-20190611

Tot Ion:168 Resp: 326521

Ion Ratio Lower Upper

168 100

99 45.1 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

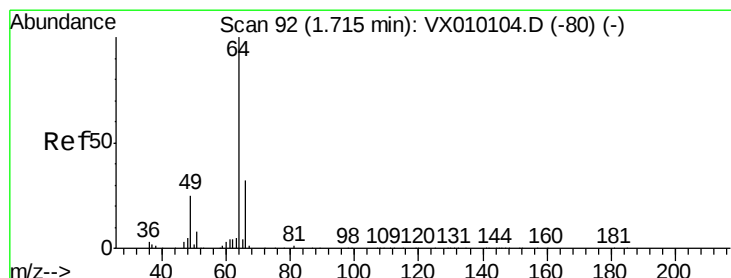
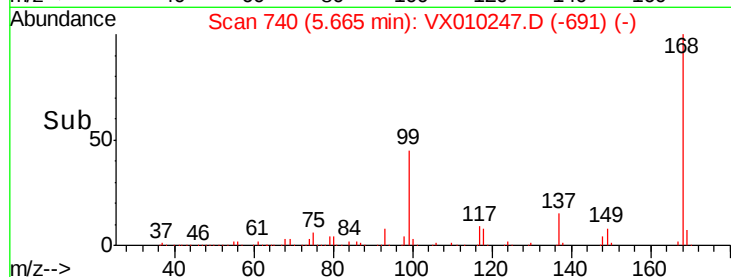
5.67

100000

50000

0

Time-->



#6

Chloroethane

Concen: 2.410 ug/l

RT: 1.56 min Scan# 66

Delta R.T. -0.16 min

Lab File: VX010247.D

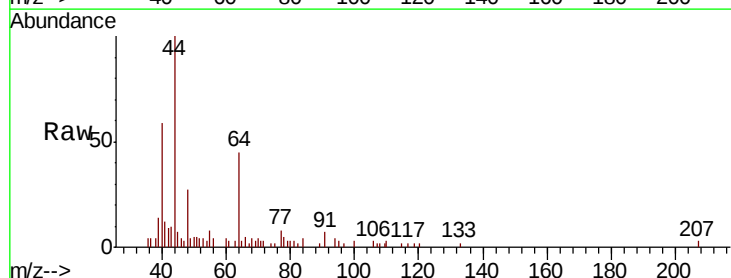
Acq: 12 Jun 2019 13:51

Tgt Ion: 64 Resp: 3407

Ion Ratio Lower Upper

64 100

66 0.9 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

1500 Ion 65.90 (65.60 to 66.60): VX0

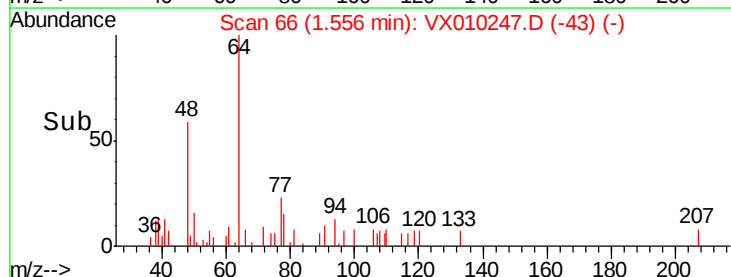
1.56

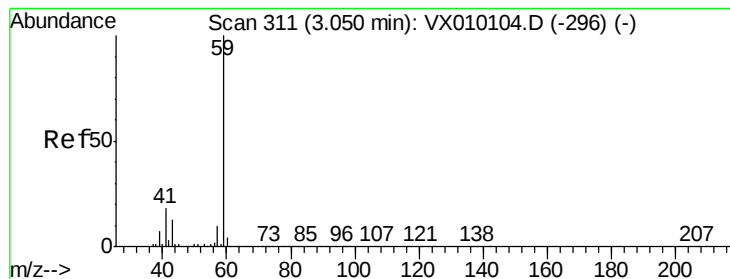
1000

500

0

Time-->





#11

Tert butyl alcohol

Concen: 1.428 ug/l

RT: 3.05 min Scan# 311

Delta R.T. -0.00 min

Lab File: VX010247.D

Acq: 12 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

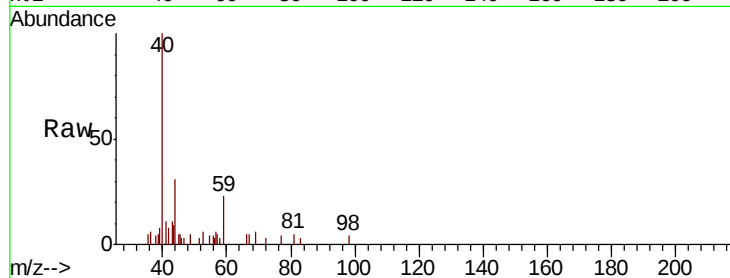
EB02-20190611

Tot Ion: 59 Resp: 1115

Ion Ratio Lower Upper

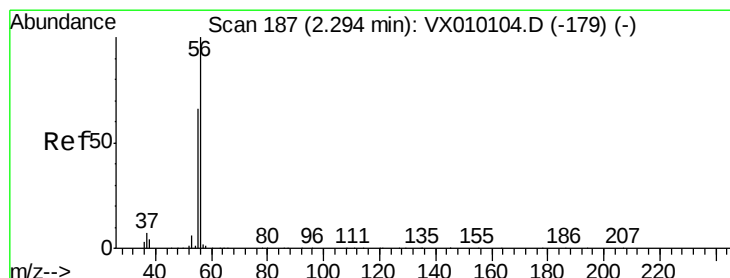
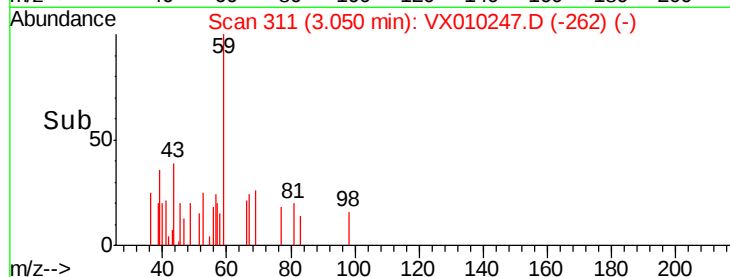
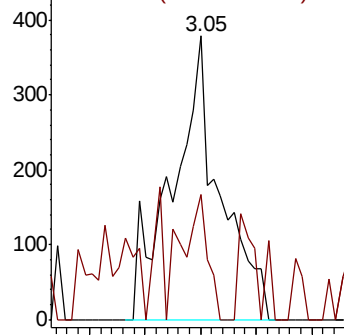
59 100

57 24.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 1.243 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010247.D

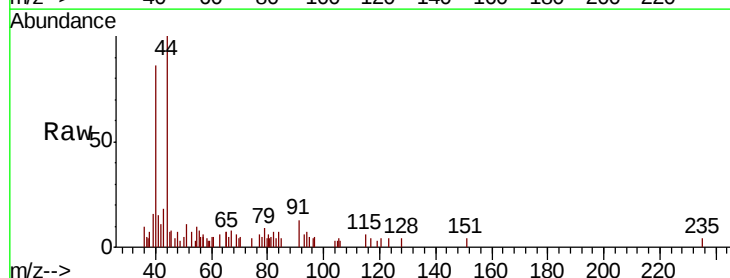
Acq: 12 Jun 2019 13:51

Tgt Ion: 56 Resp: 177

Ion Ratio Lower Upper

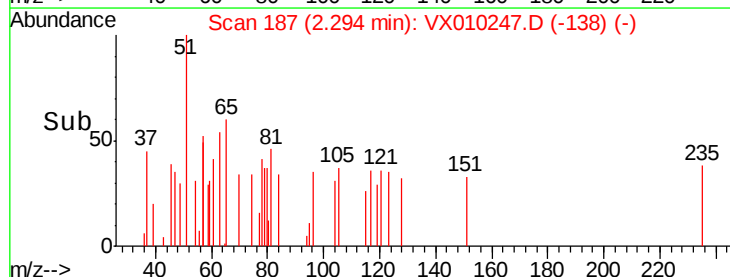
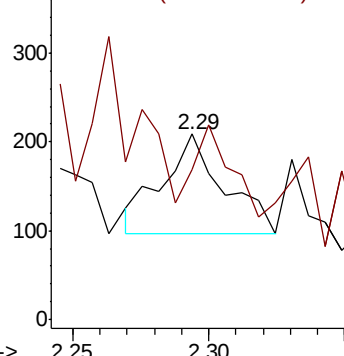
56 100

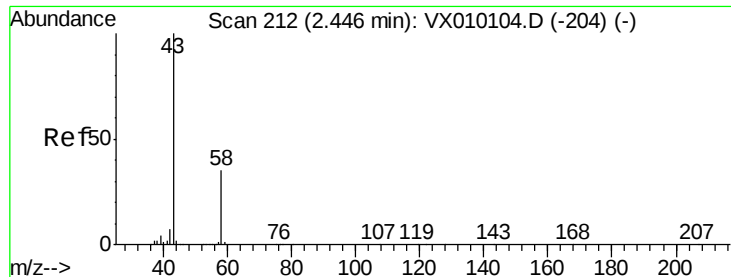
55 53.7 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 6.100 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010247.D

Acq: 12 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

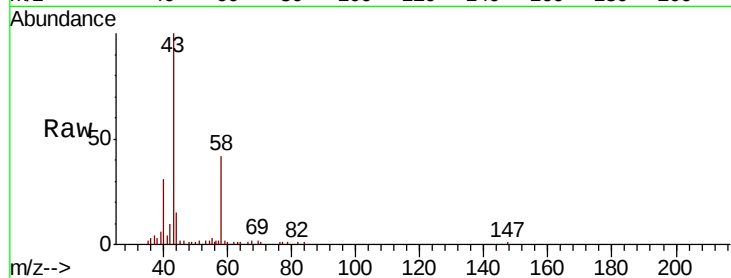
EB02-20190611

Tot Ion: 43 Resp: 9144

Ion Ratio Lower Upper

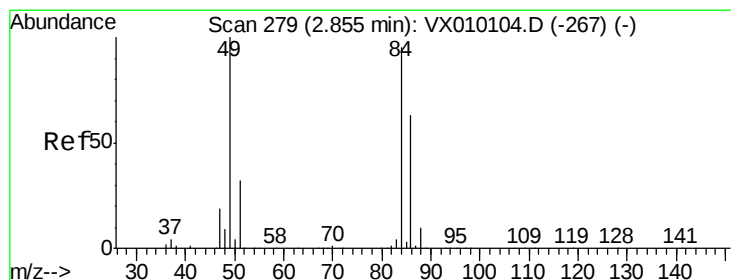
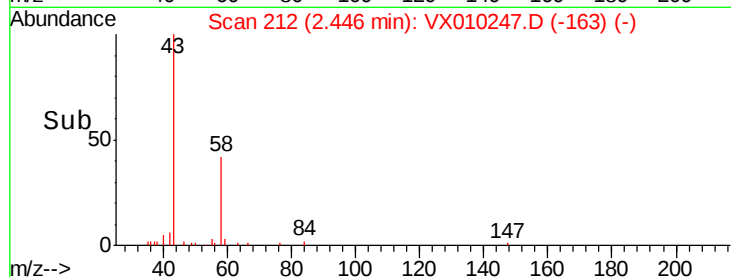
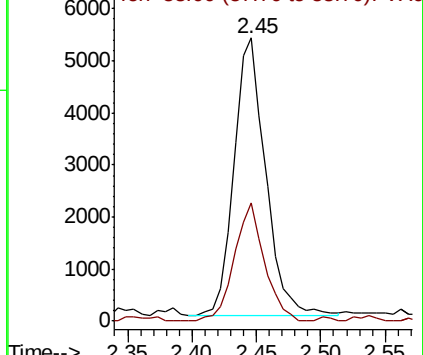
43 100

58 42.6 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.487 ug/l

RT: 2.87 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX010247.D

Acq: 12 Jun 2019 13:51

Tgt Ion: 84 Resp: 1603

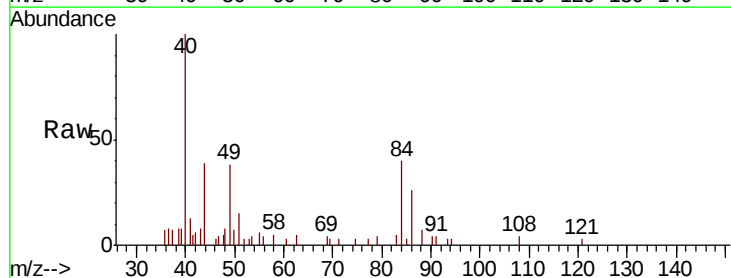
Ion Ratio Lower Upper

84 100

49 87.3 115.8 173.6#

51 36.7 34.4 51.6

86 65.5 49.7 74.5

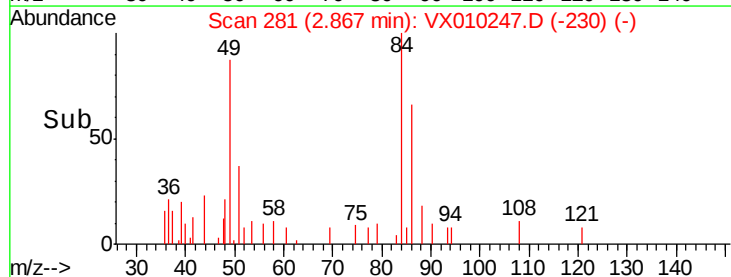
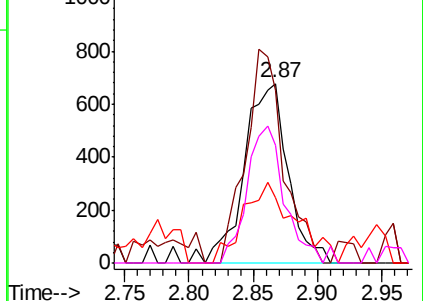


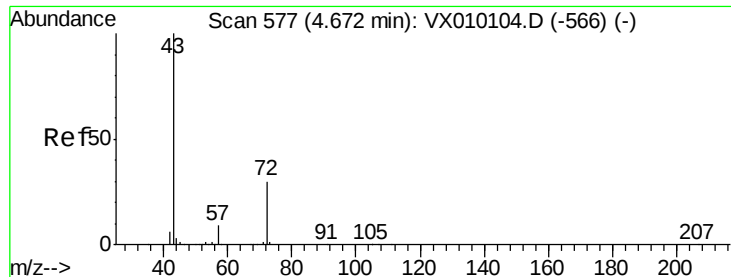
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.525 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX010247.D

Acq: 12 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

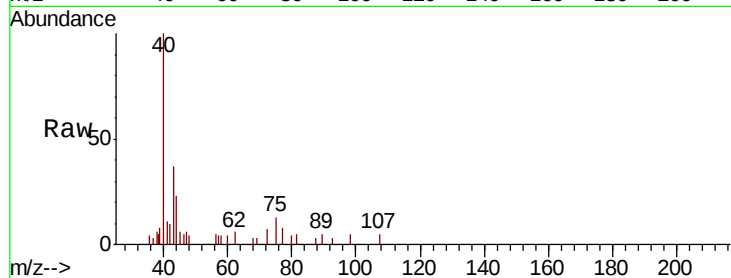
EB02-20190611

Tot Ion: 43 Resp: 1173

Ion Ratio Lower Upper

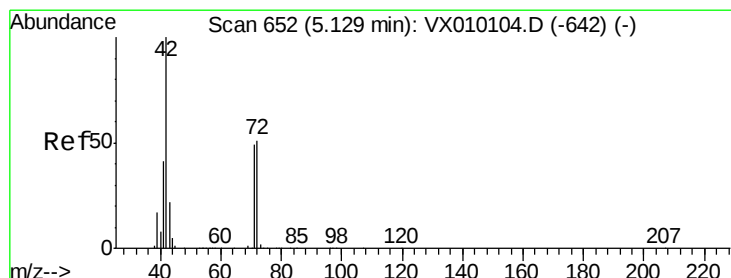
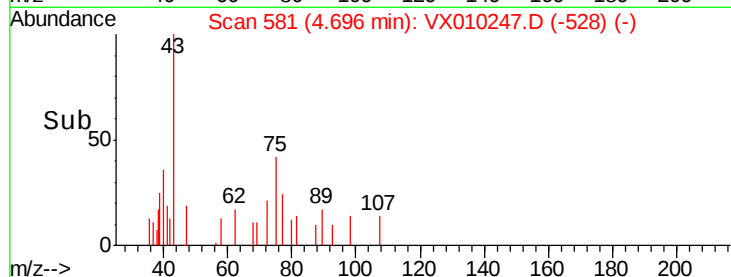
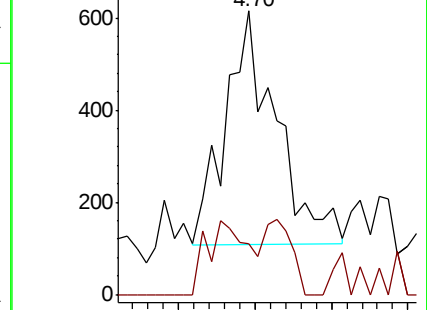
43 100

72 21.8 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 1.769 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX010247.D

Acq: 12 Jun 2019 13:51

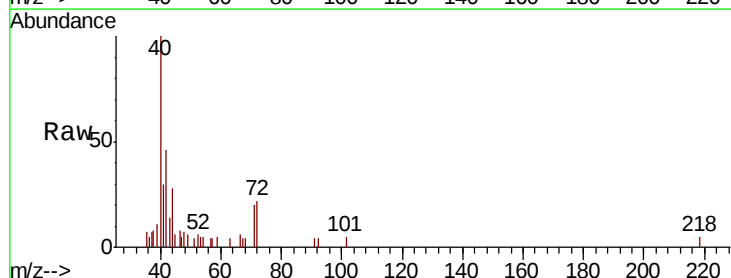
Tgt Ion: 42 Resp: 2481

Ion Ratio Lower Upper

42 100

72 20.5 29.2 43.8#

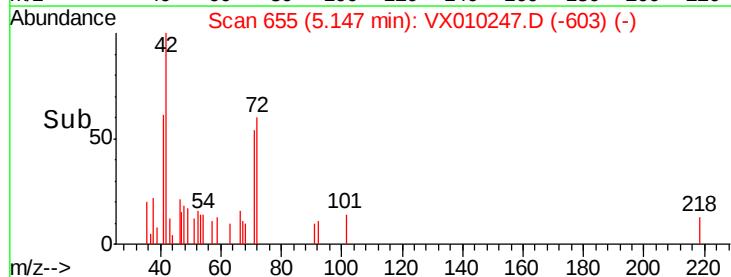
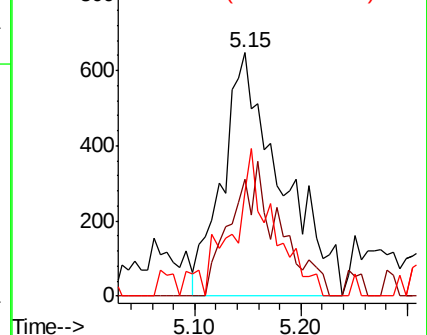
71 43.6 27.6 41.4#

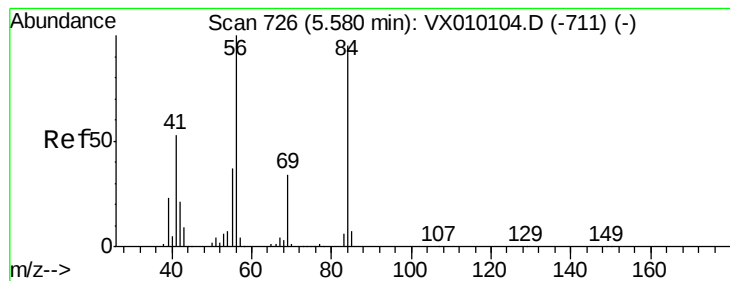


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.149 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX010247.D

Acq: 12 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

EB02-20190611

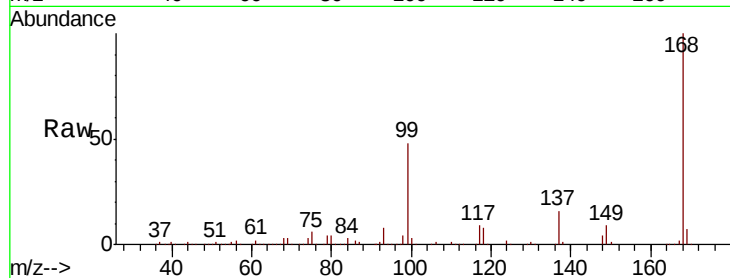
Tot Ion: 56 Resp: 5329

Ion Ratio Lower Upper

56 100

69 166.3 21.6 32.4#

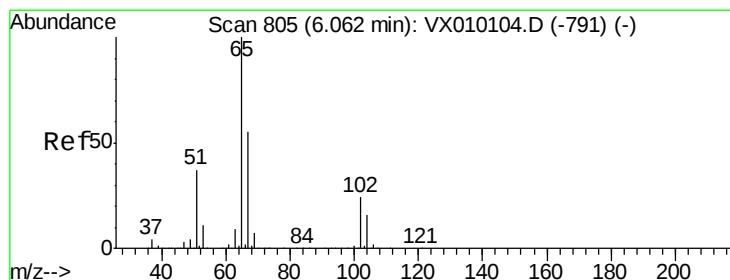
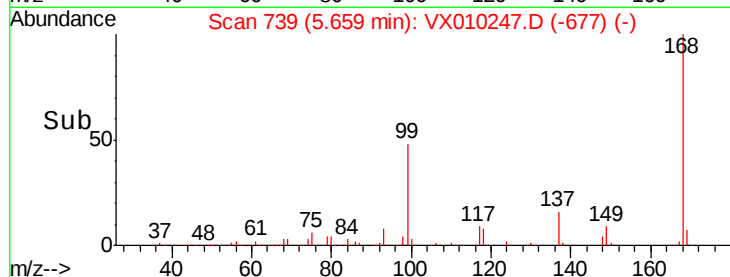
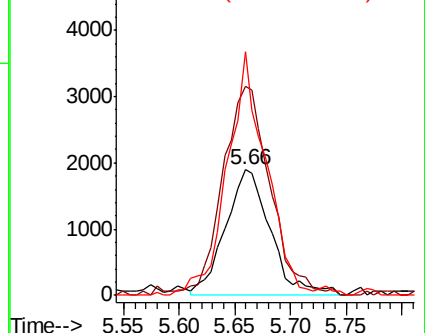
84 190.8 56.8 85.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.082 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010247.D

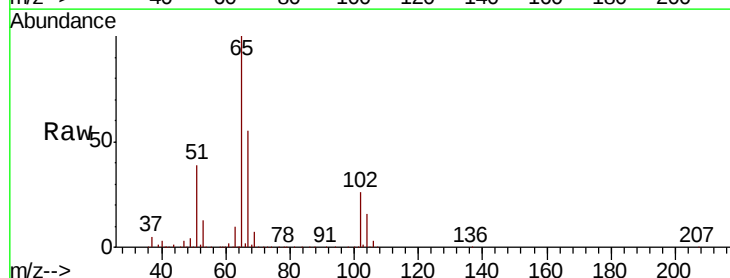
Acq: 12 Jun 2019 13:51

Tgt Ion: 65 Resp: 146874

Ion Ratio Lower Upper

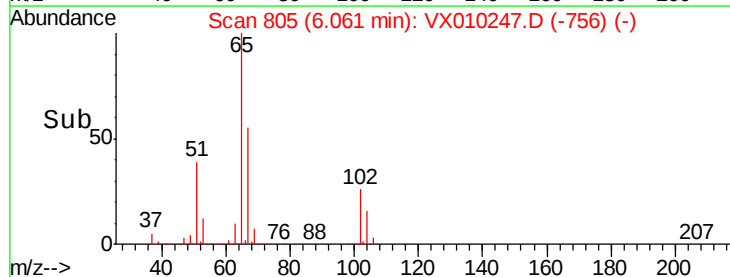
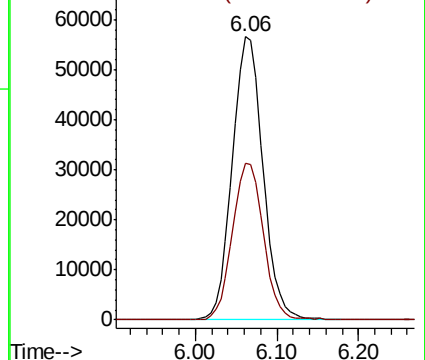
65 100

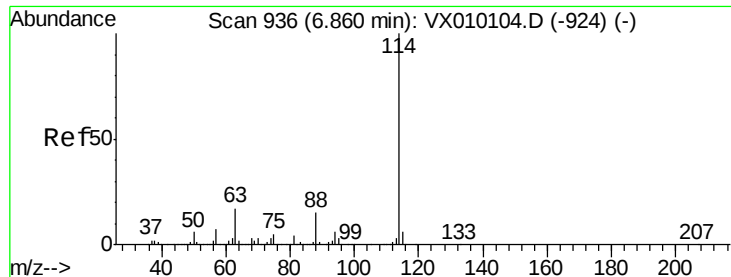
67 55.9 0.0 108.4



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010247.D

Acq: 12 Jun 2019 13:51

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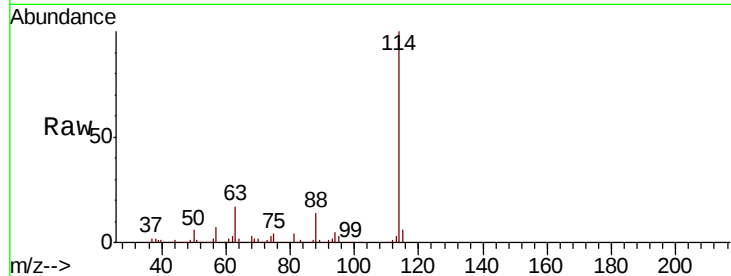
Tot Ion:114 Resp: 494407

Ion Ratio Lower Upper

114 100

63 16.8 0.0 47.4

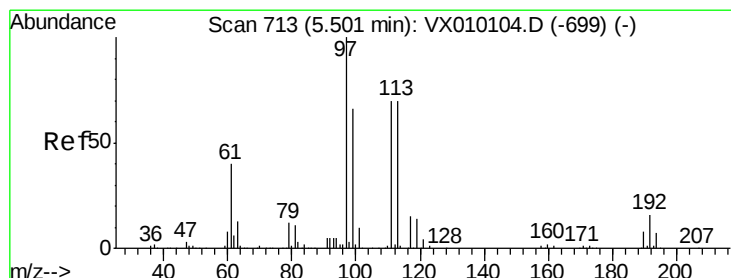
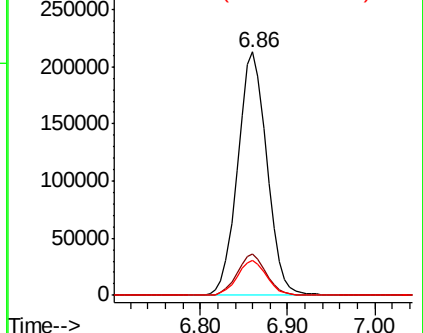
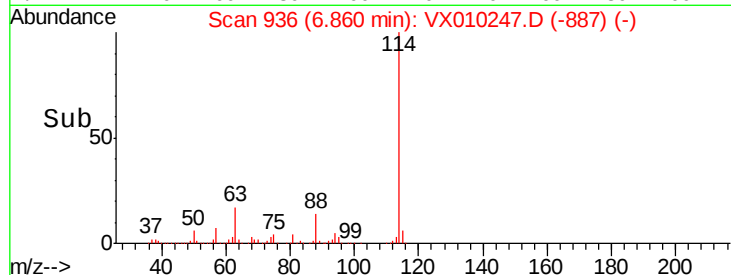
88 14.2 0.0 33.0



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: 49.700 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010247.D

Acq: 12 Jun 2019 13:51

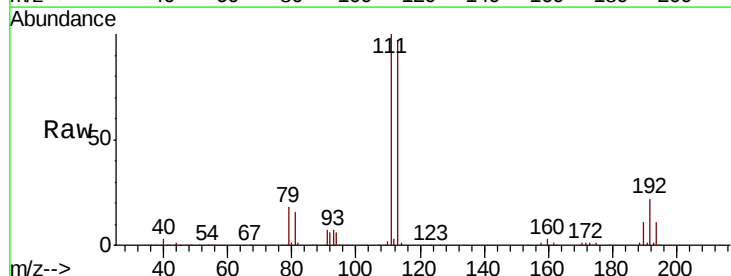
Tgt Ion:113 Resp: 151565

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.2

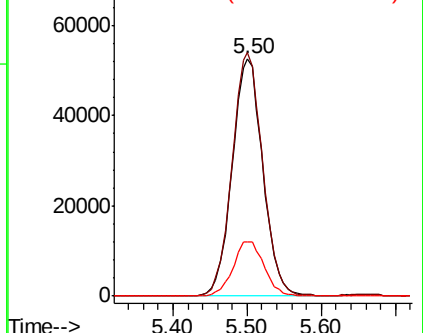
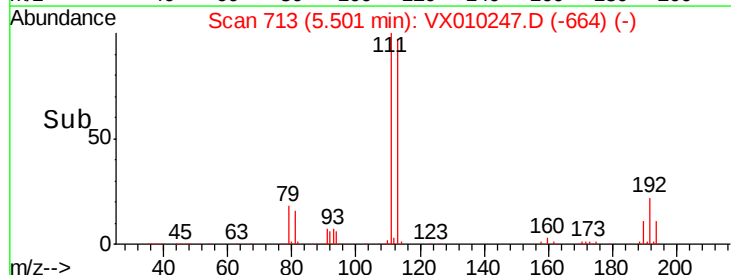
192 23.3 17.1 25.7

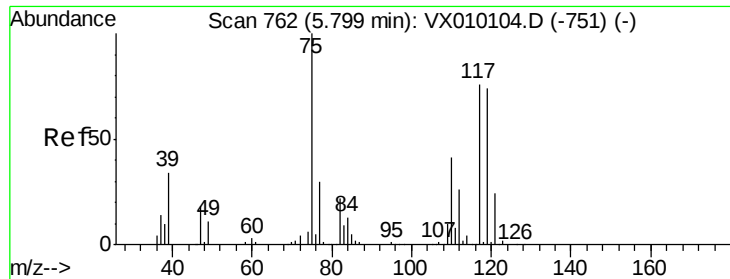


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

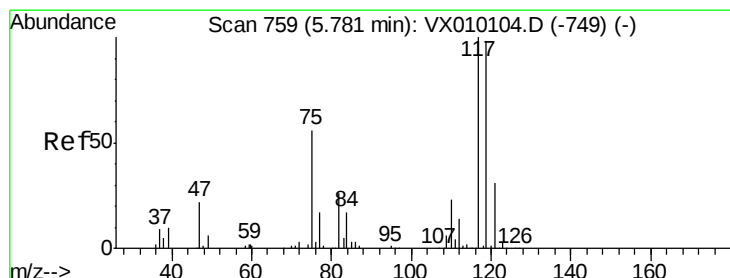
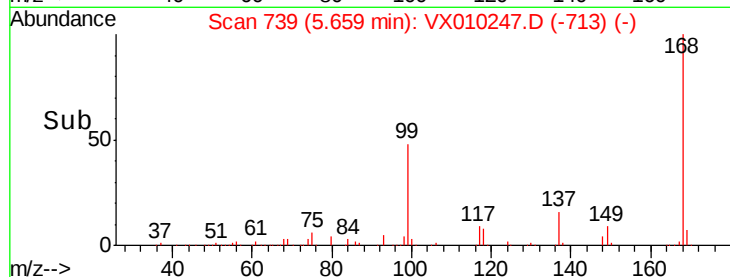
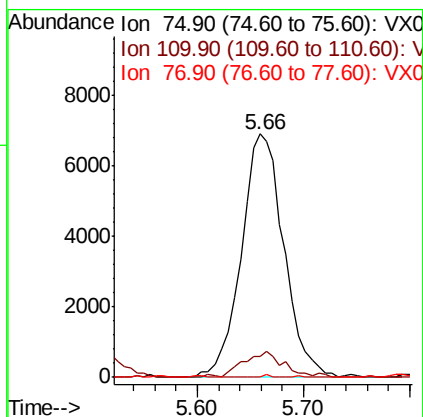
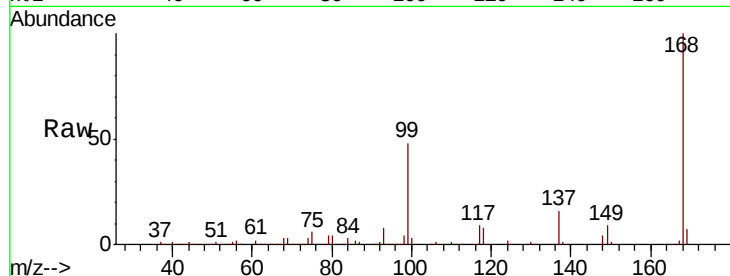




#36
 1,1-Dichloropropene
 Concen: 4.769 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010247.D
 Acq: 12 Jun 2019 13:51

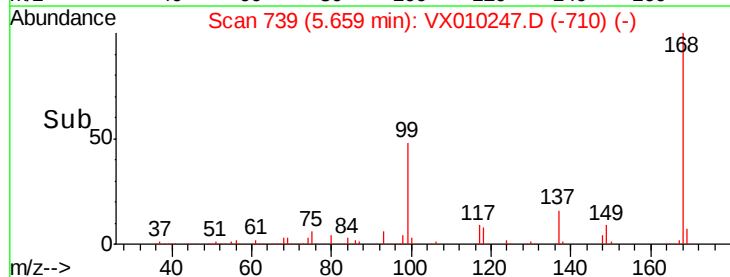
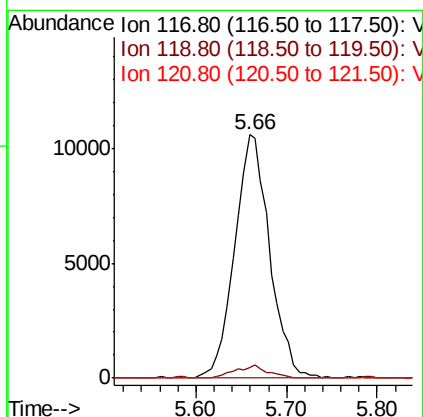
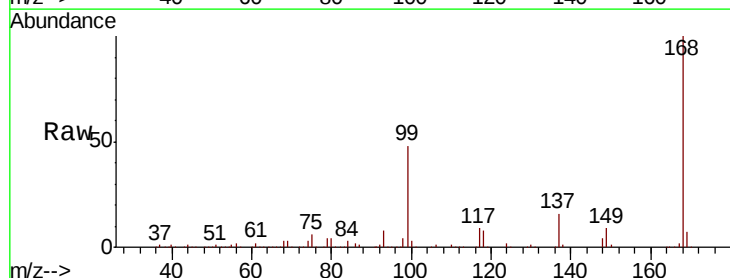
Instrument :
 MSVOA_X
 ClientSampleId :
 EB02-20190611

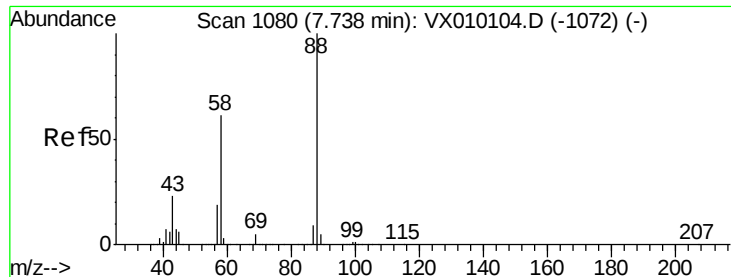
Tot Ion	75	Resp	19238
Ion Ratio	100	Lower	Upper
110	10.4	16.7	50.1#
77	0.1	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.191 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX010247.D
 Acq: 12 Jun 2019 13:51

Tgt Ion	117	Resp	28265
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
119	4.3	77.3	115.9#
121	0.0	25.4	38.0#





#49

1,4-Dioxane

Concen: 0.278 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VX010247.D

Acq: 12 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

EB02-20190611

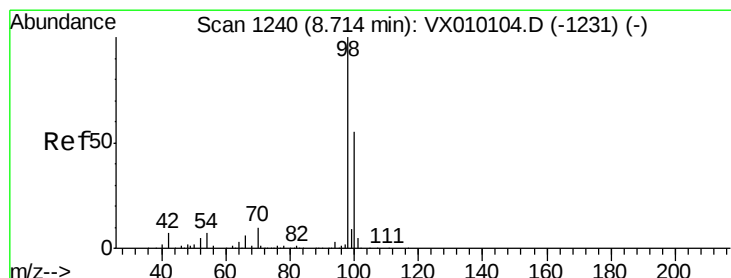
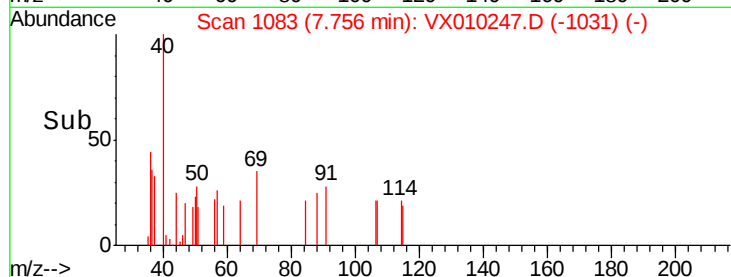
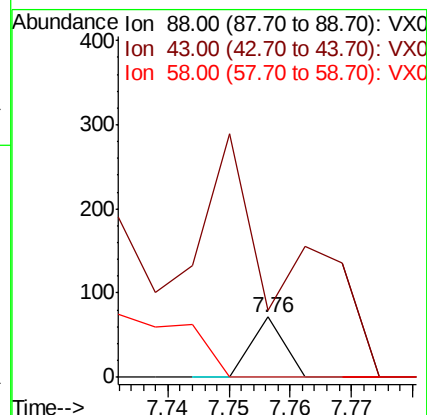
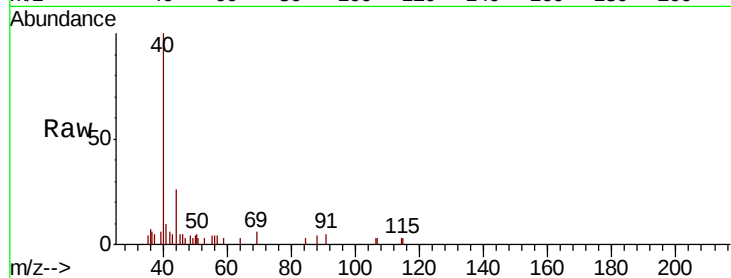
Tot Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 1111.5 30.2 45.4#

58 0.0 64.0 96.0#



#50

Toluene-d8

Concen: 50.641 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010247.D

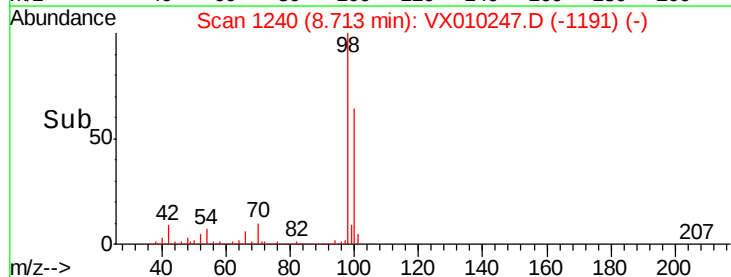
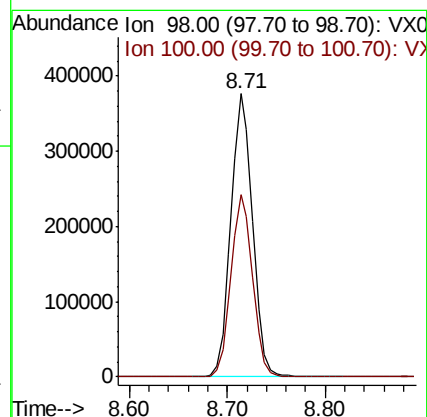
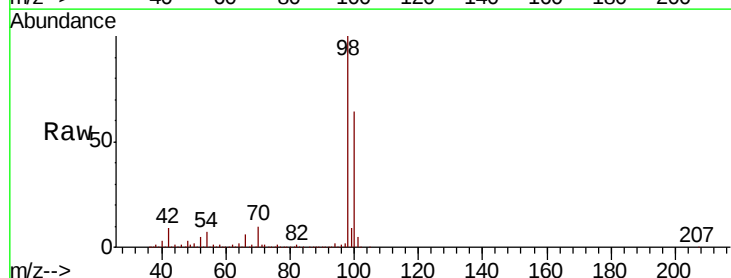
Acq: 12 Jun 2019 13:51

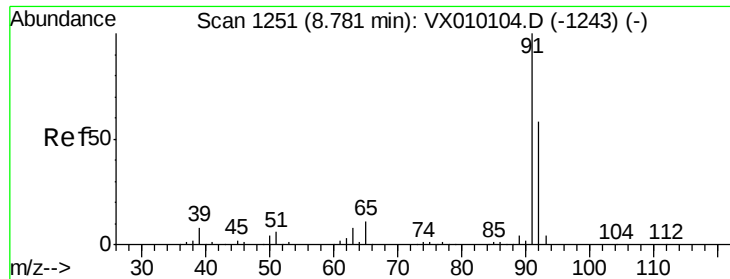
Tgt Ion: 98 Resp: 578799

Ion Ratio Lower Upper

98 100

100 64.2 51.5 77.3





#52

Toluene

Concen: 1.315 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX010247.D

Acq: 12 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

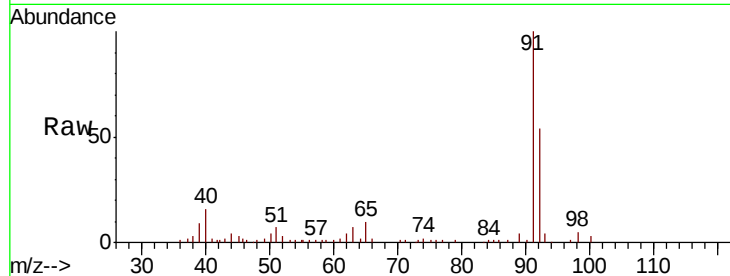
EB02-20190611

Tot Ion: 92 Resp: 10778

Ion Ratio Lower Upper

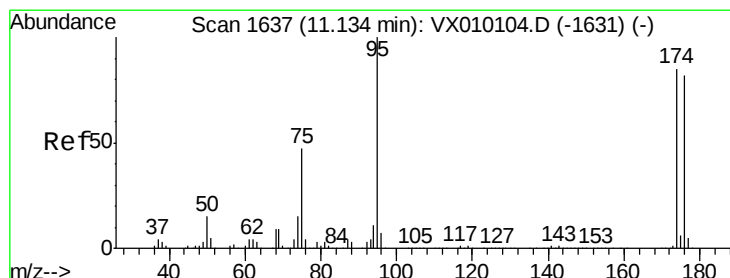
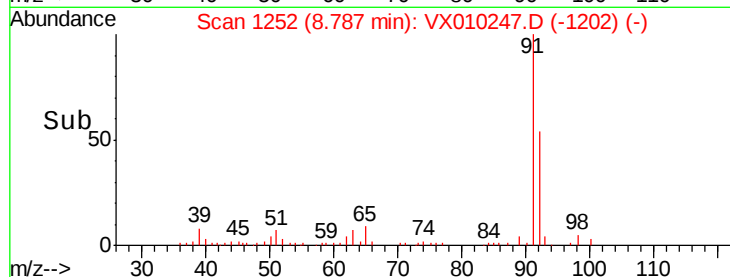
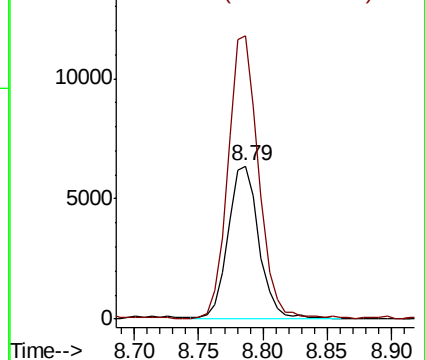
92 100

91 182.0 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 45.981 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010247.D

Acq: 12 Jun 2019 13:51

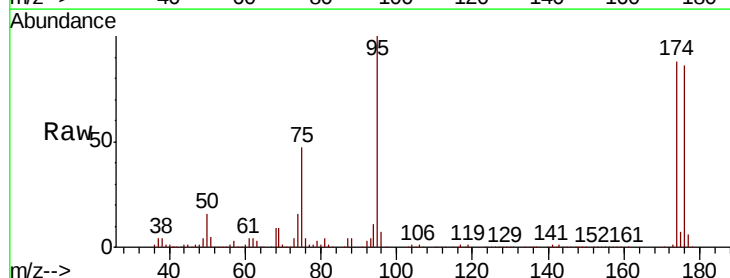
Tgt Ion: 95 Resp: 196266

Ion Ratio Lower Upper

95 100

174 95.3 0.0 160.4

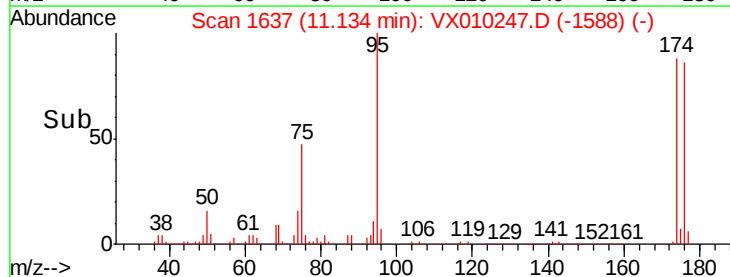
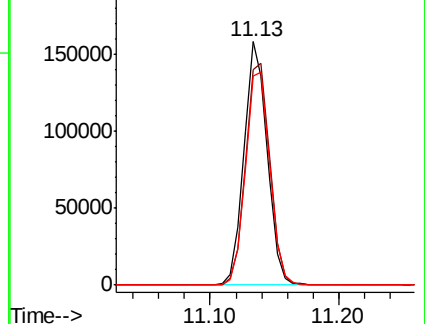
176 91.9 0.0 154.6

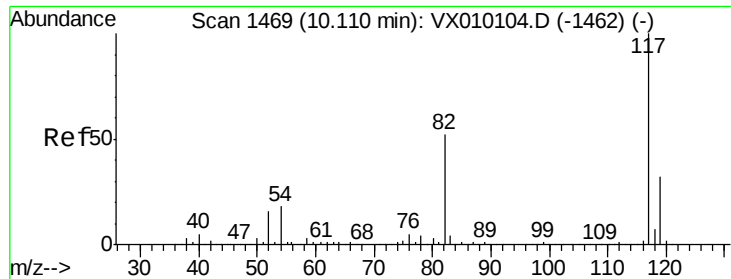


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

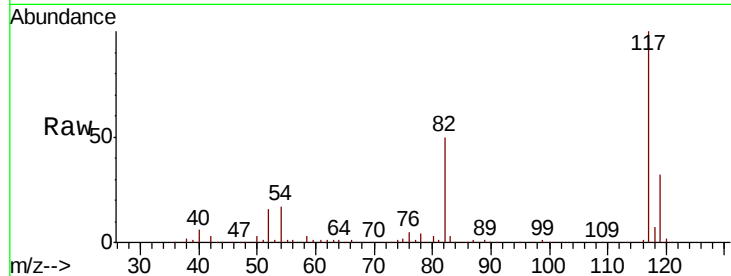




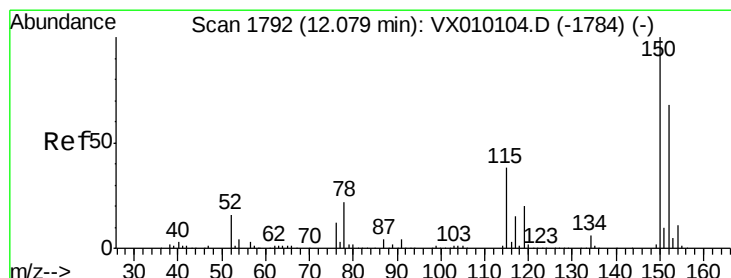
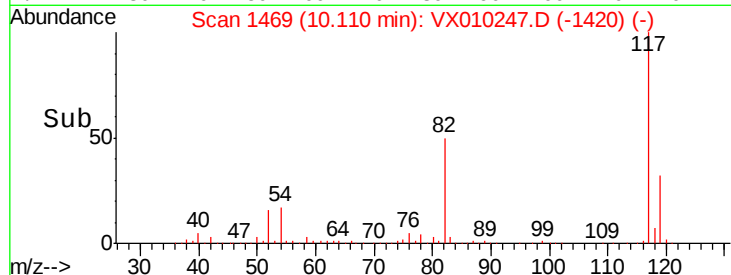
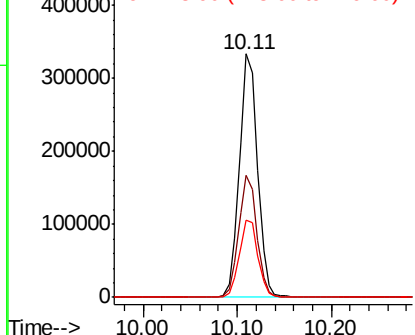
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010247.D
Acq: 12 Jun 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
EB02-20190611

Tot Ion:117 Resp: 447207
Ion Ratio Lower Upper
117 100
82 50.3 49.2 73.8
119 32.0 25.2 37.8

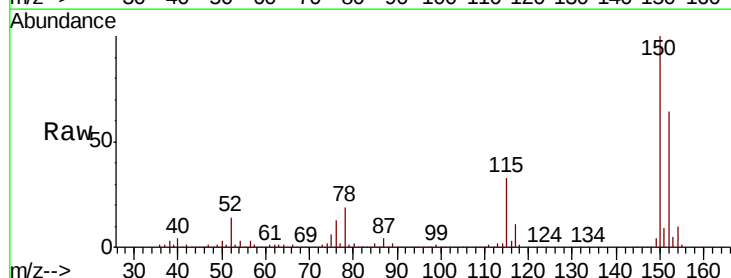


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

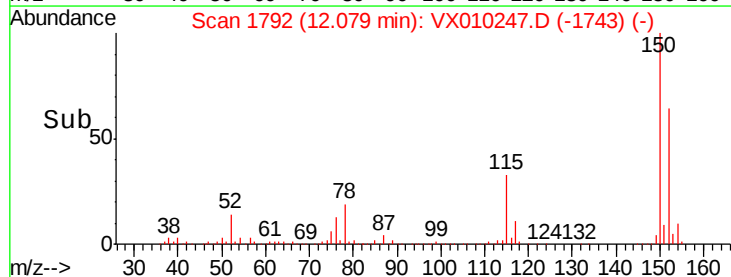
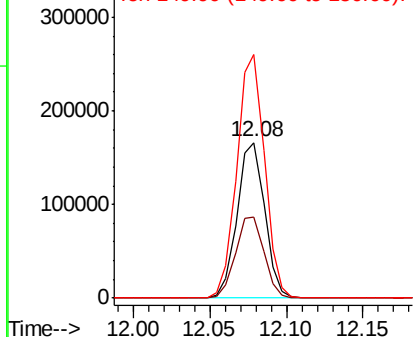


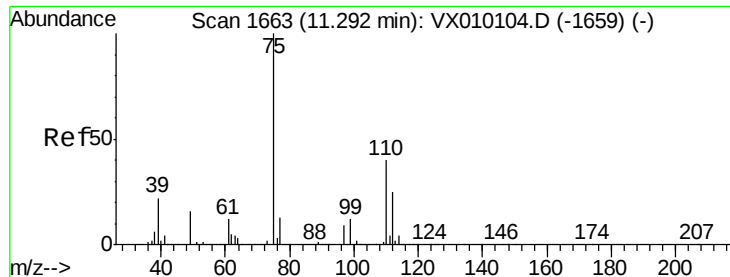
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010247.D
Acq: 12 Jun 2019 13:51

Tgt Ion:152 Resp: 208270
Ion Ratio Lower Upper
152 100
115 53.6 41.4 124.2
150 157.1 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

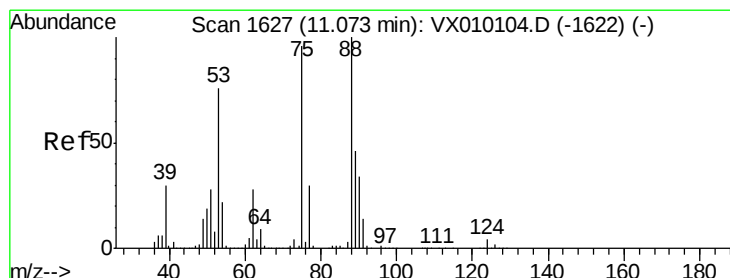
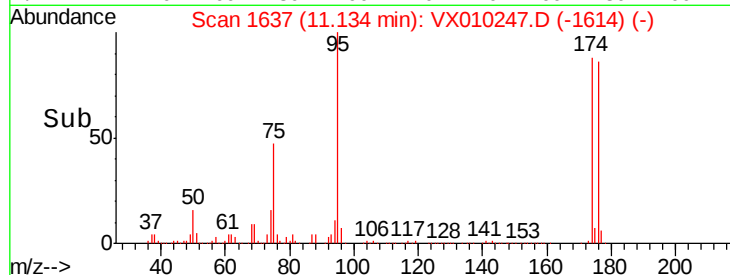
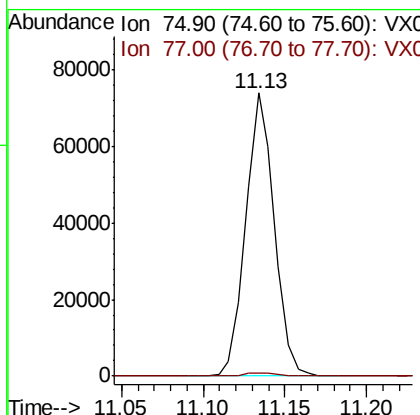
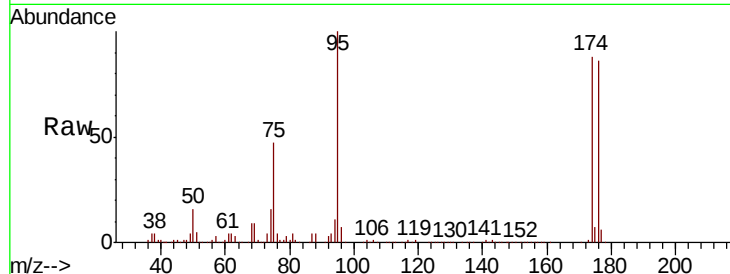




#76
 1,2,3-Trichloropropane
 Concen: 21.689 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010247.D
 Acq: 12 Jun 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 EB02-20190611

Tot Ion: 75 Resp: 90353
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.921 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010247.D
 Acq: 12 Jun 2019 13:51

Tgt Ion: 75 Resp: 90353
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.8 119.6#
 89 0.1 34.2 51.4#

