

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061119\
 Data File : VX010236.D
 Acq On : 11 Jun 2019 16:39
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jun 12 07:49:52 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	5.66	168	250029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	374801	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	341181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	162280	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	112143	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	
35) Dibromofluoromethane	5.50	113	115242	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
50) Toluene-d8	8.71	98	441483	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
62) 4-Bromofluorobenzene	11.13	95	150981	46.66	ug/l	0.00
Spiked Amount			Recovery	=	93.32%	

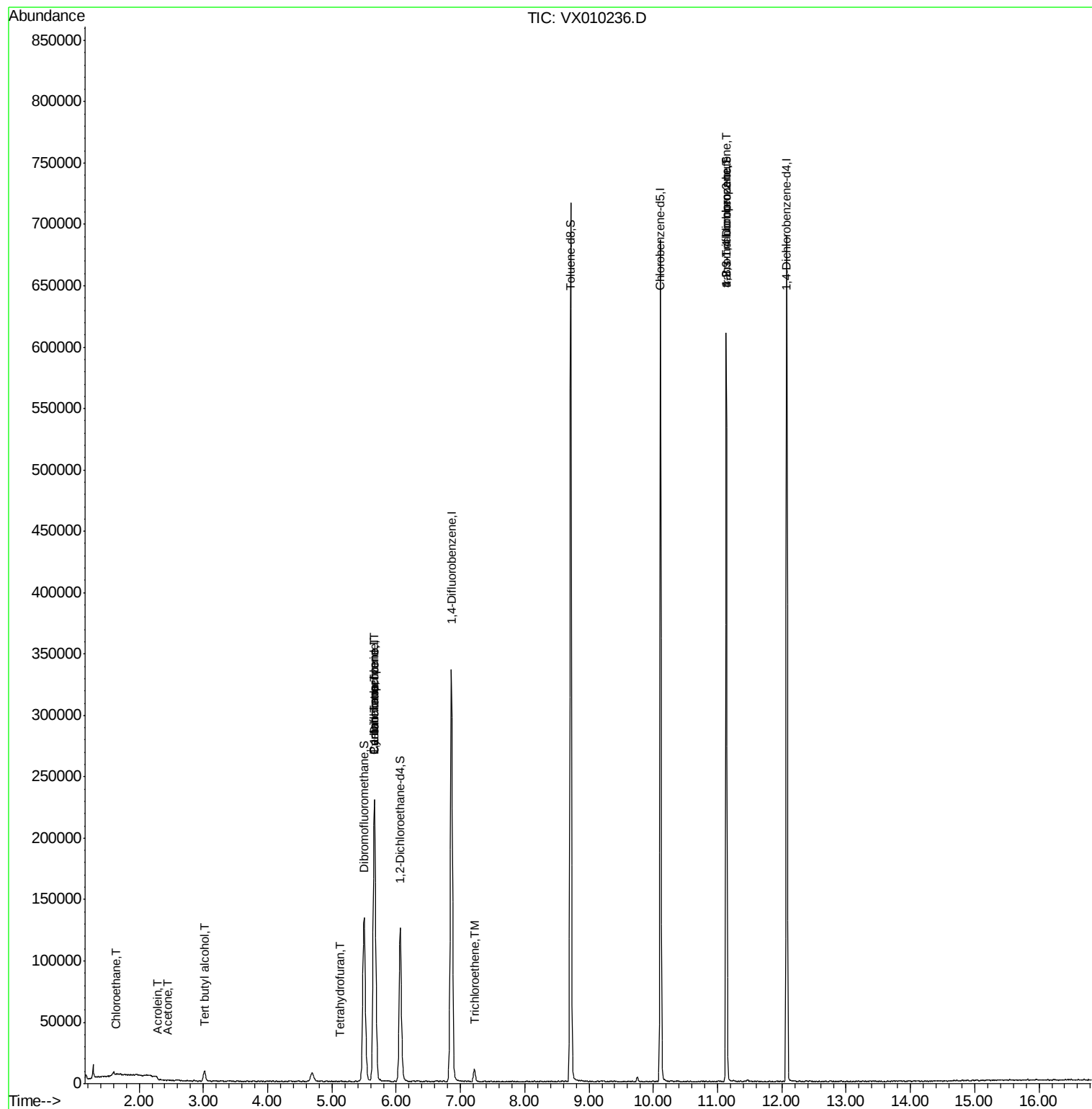
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.65	64	2187	2.020	ug/l #	49
11) Tert butyl alcohol	3.01	59	4653	7.783	ug/l #	83
13) Acrolein	2.29	56	337	3.091	ug/l #	14
16) Acetone	2.44	43	428	0.373	ug/l	98
29) Tetrahydrofuran	5.12	42	232	0.216	ug/l #	48
31) Cyclohexane	5.67	56	4120	1.160	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14863	4.861	ug/l #	52
38) Carbon Tetrachloride	5.66	117	20683	5.976	ug/l #	16
44) Trichloroethene	7.21	130	4081	1.432	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	69202	21.320	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	69202	47.104	ug/l #	10

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

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IBLK

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 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: VX010236.D

Acq: 11 Jun 2019 16:39

Instrument :

MSVOA_X

ClientSampled :

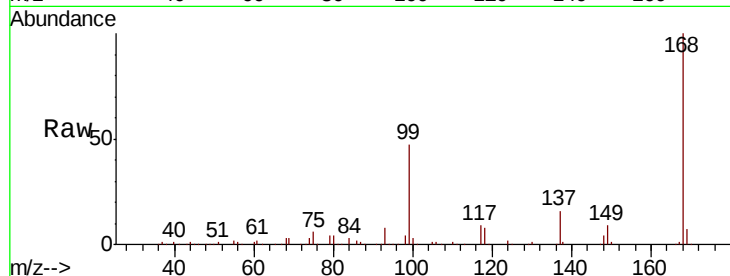
IBLK

Tot Ion:168 Resp: 250029

Ion Ratio Lower Upper

168 100

99 46.9 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

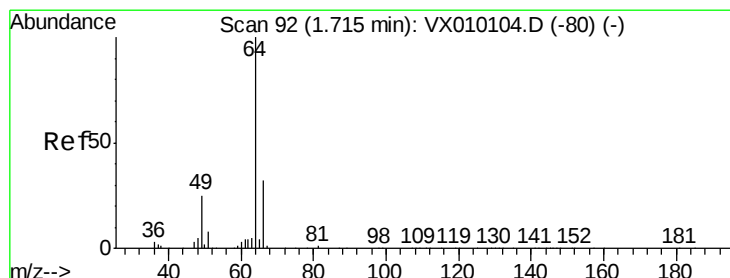
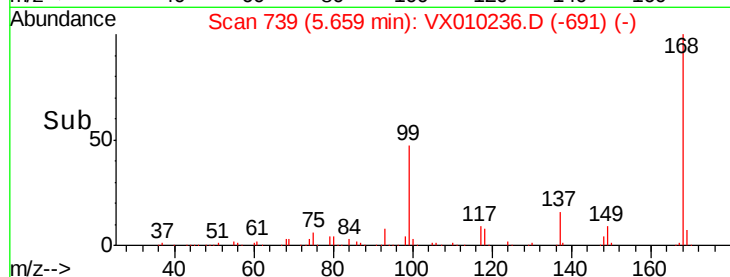
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#6

Chloroethane

Concen: 2.020 ug/l

RT: 1.65 min Scan# 82

Delta R.T. -0.06 min

Lab File: VX010236.D

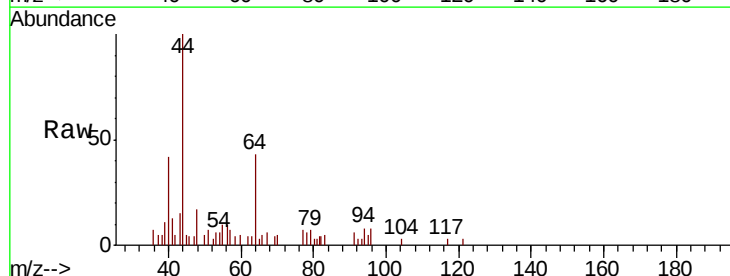
Acq: 11 Jun 2019 16:39

Tgt Ion: 64 Resp: 2187

Ion Ratio Lower Upper

64 100

66 3.5 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

800

600

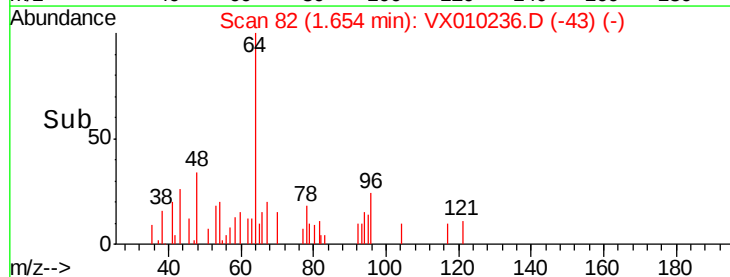
400

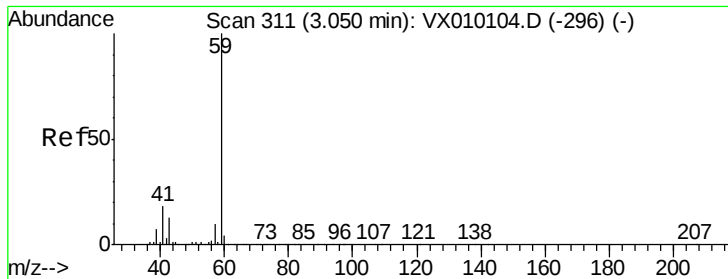
200

0

1.55 1.60 1.65 1.70

Time-->



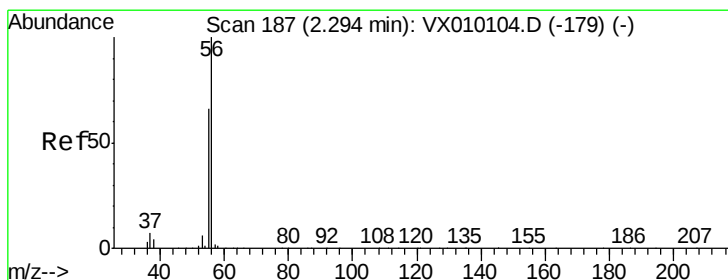
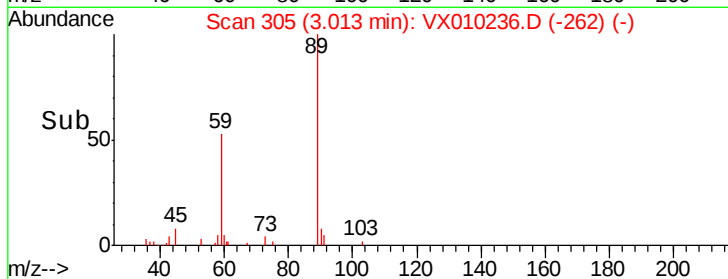
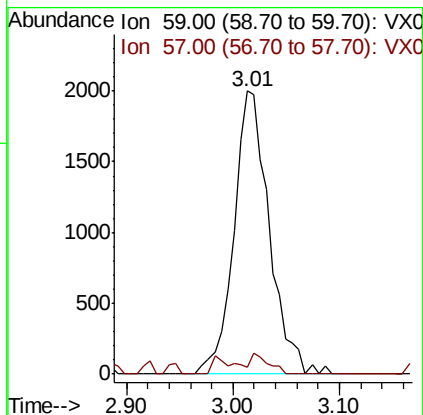
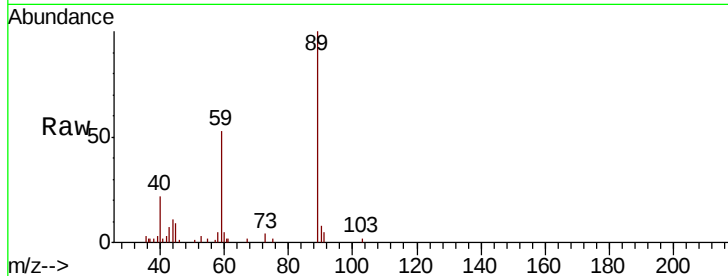


#11

Tert butyl alcohol
 Concen: 7.783 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX010236.D
 Acq: 11 Jun 2019 16:39

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

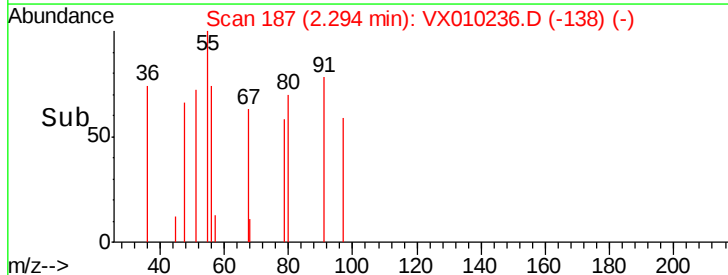
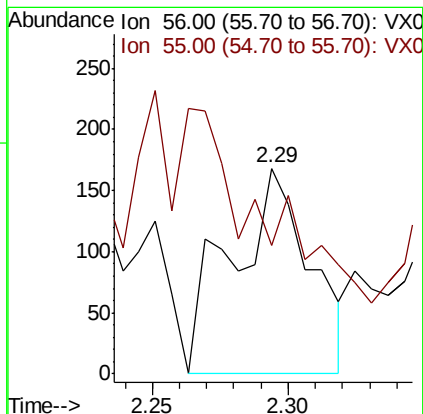
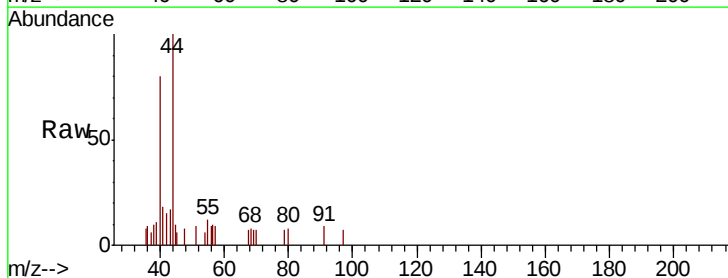
Tot Ion: 59 Resp: 4653
 Ion Ratio Lower Upper
 59 100
 57 4.0 8.2 12.2#

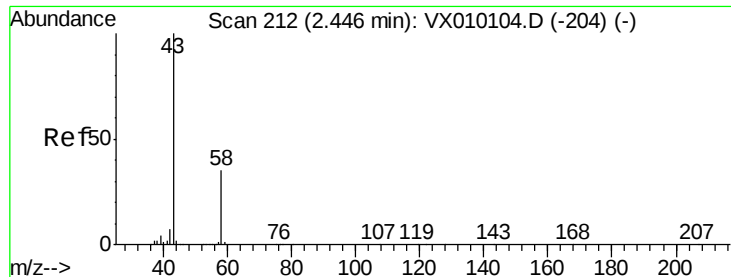


#13

Acrolein
 Concen: 3.091 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VX010236.D
 Acq: 11 Jun 2019 16:39

Tgt Ion: 56 Resp: 337
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.0 85.4#





#16

Acetone

Concen: 0.373 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010236.D

Acq: 11 Jun 2019 16:39

Instrument :

MSVOA_X

ClientSampleId :

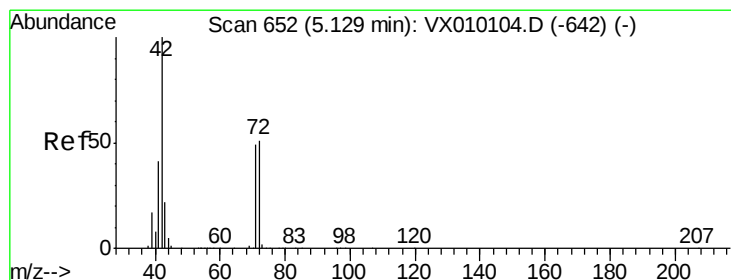
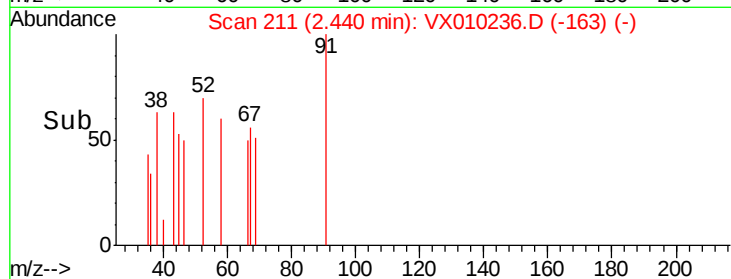
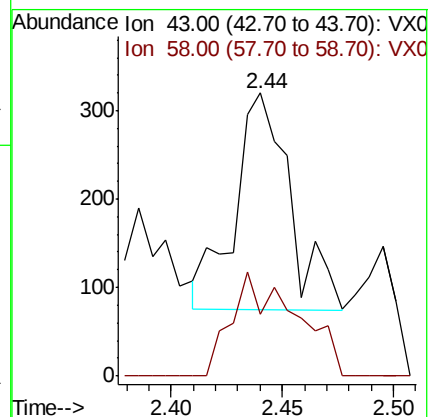
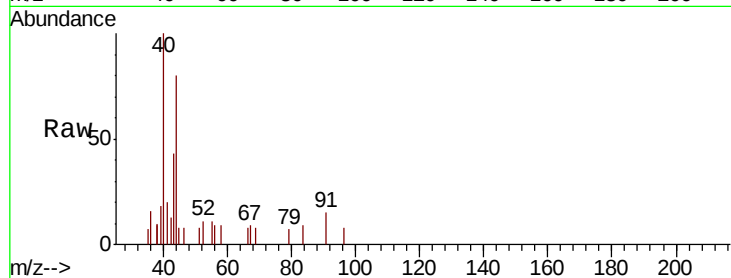
IBLK

Tot Ion: 43 Resp: 428

Ion Ratio Lower Upper

43 100

58 28.2 23.2 34.8



#29

Tetrahydrofuran

Concen: 0.216 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX010236.D

Acq: 11 Jun 2019 16:39

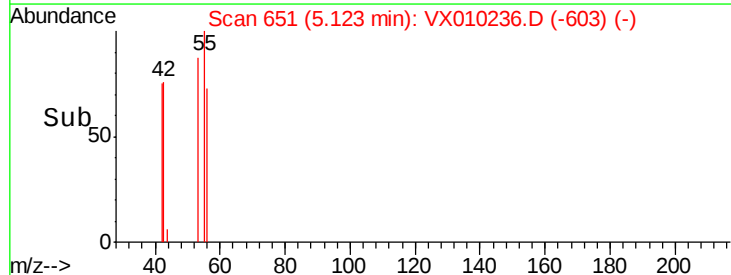
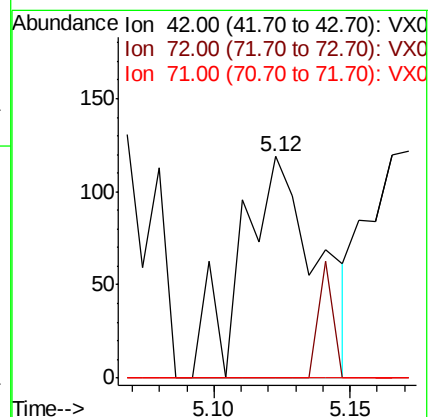
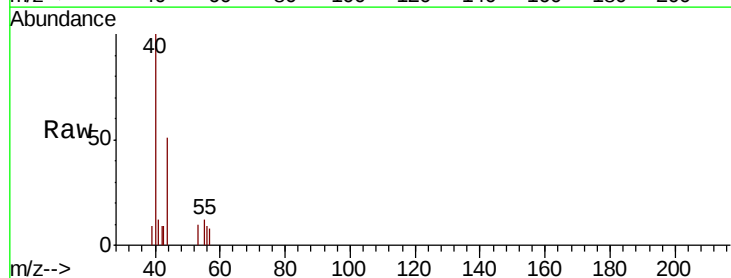
Tgt Ion: 42 Resp: 232

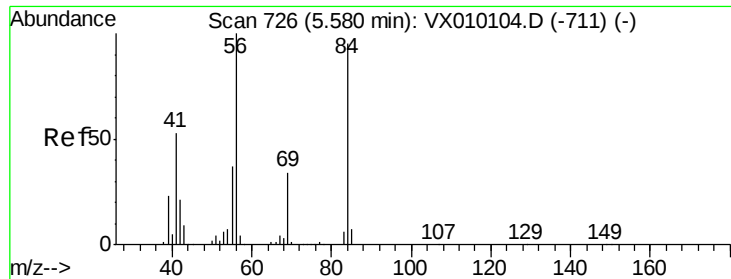
Ion Ratio Lower Upper

42 100

72 9.9 29.2 43.8#

71 0.0 27.6 41.4#

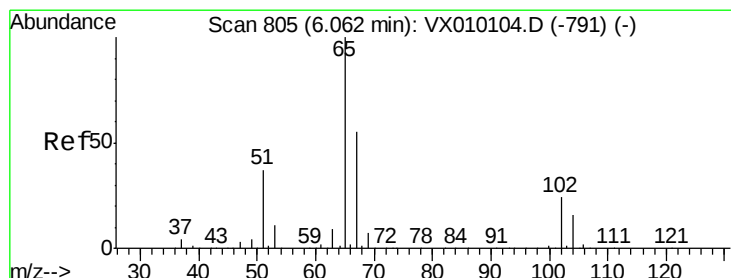
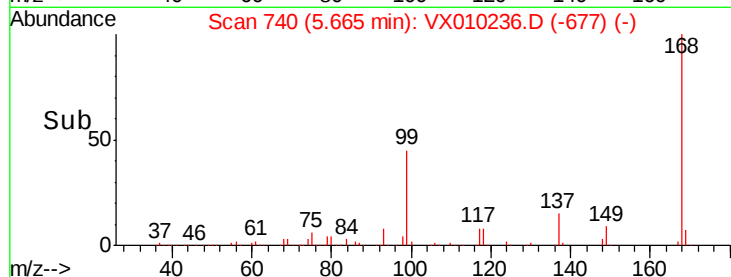
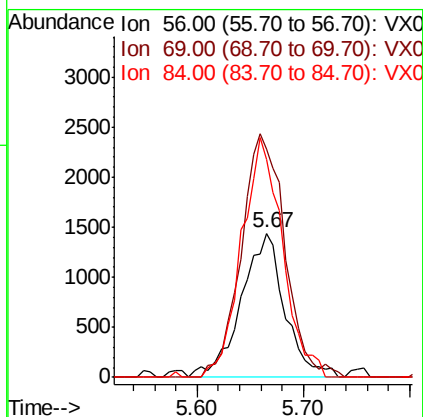
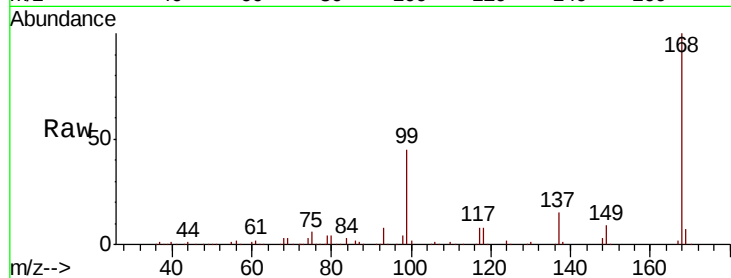




#31
Cyclohexane
Concen: 1.160 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX010236.D
Acq: 11 Jun 2019 16:39

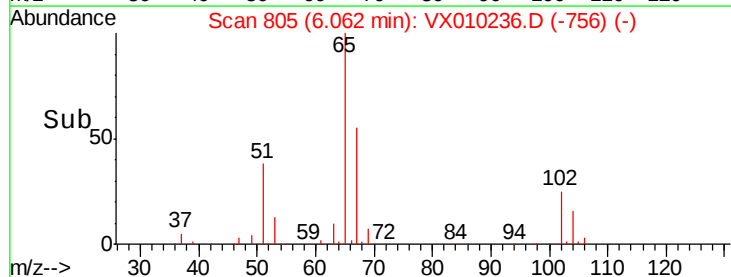
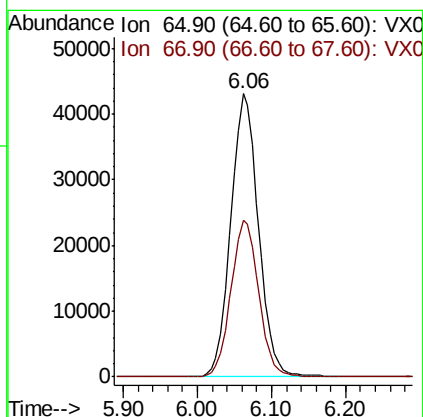
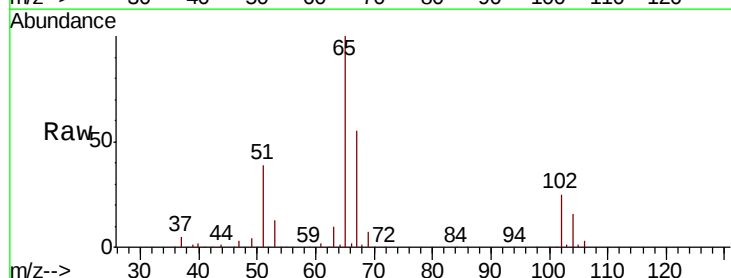
Instrument :
MSVOA_X
ClientSampleId :
IBLK

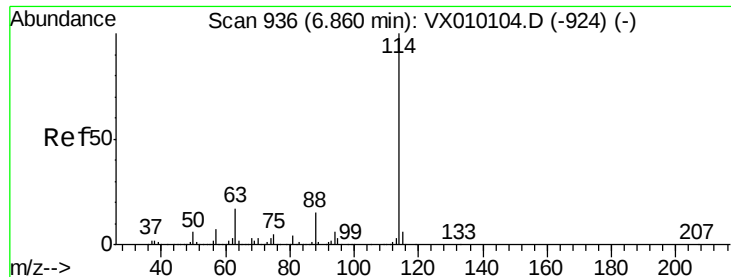
Tot Ion: 56 Resp: 4120
Ion Ratio Lower Upper
56 100
69 158.9 21.6 32.4#
84 151.2 56.8 85.2#



#33
1,2-Dichloroethane-d4
Concen: 45.950 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010236.D
Acq: 11 Jun 2019 16:39

Tgt Ion: 65 Resp: 112143
Ion Ratio Lower Upper
65 100
67 55.6 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: VX010236.D

Acq: 11 Jun 2019 16:39

Instrument :

MSVOA_X

ClientSampleId :

IBLK

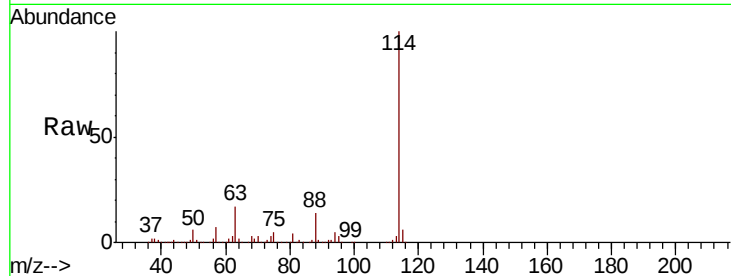
Tot Ion:114 Resp: 374801

Ion Ratio Lower Upper

114 100

63 16.5 0.0 47.4

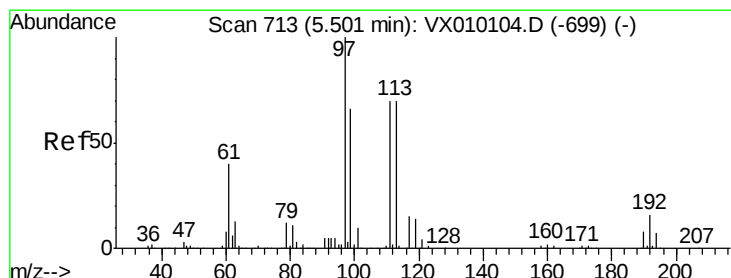
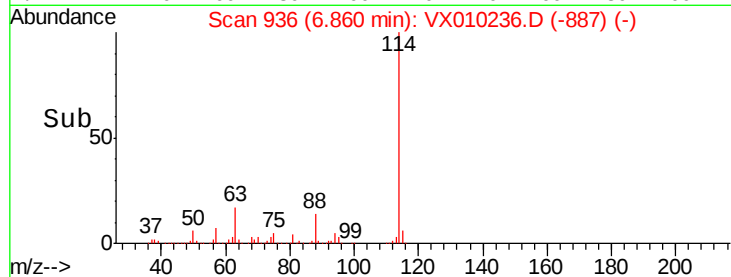
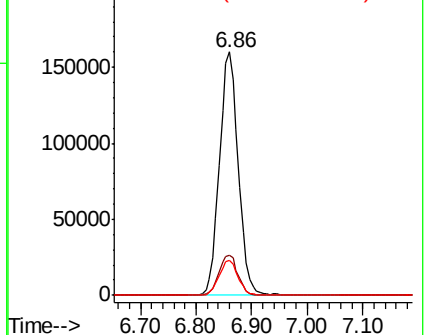
88 14.4 0.0 33.0



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: 49.848 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010236.D

Acq: 11 Jun 2019 16:39

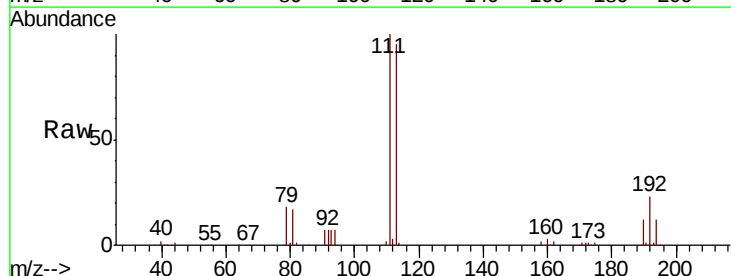
Tgt Ion:113 Resp: 115242

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.2

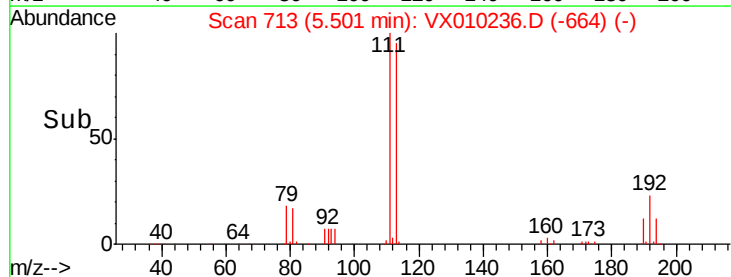
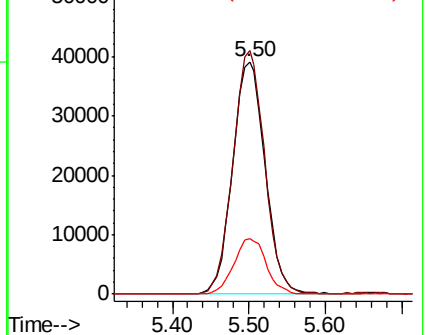
192 23.8 17.1 25.7

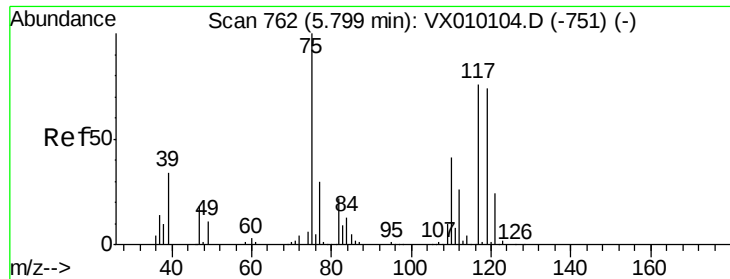


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

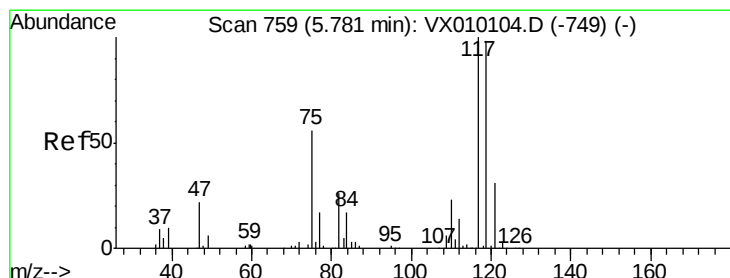
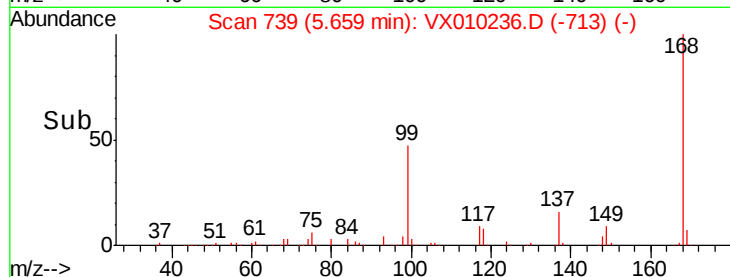
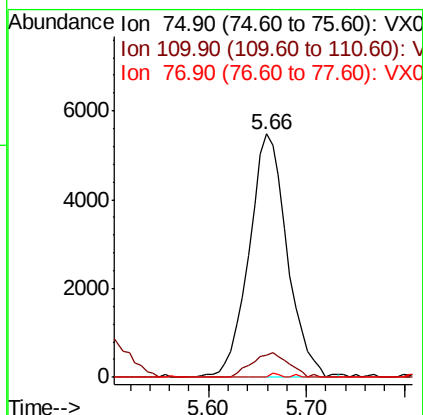
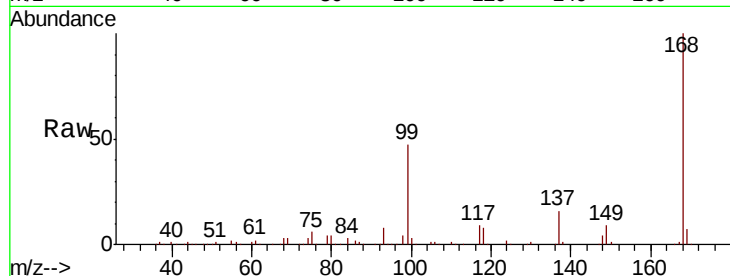




#36
 1,1-Dichloropropene
 Concen: 4.861 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010236.D
 Acq: 11 Jun 2019 16:39

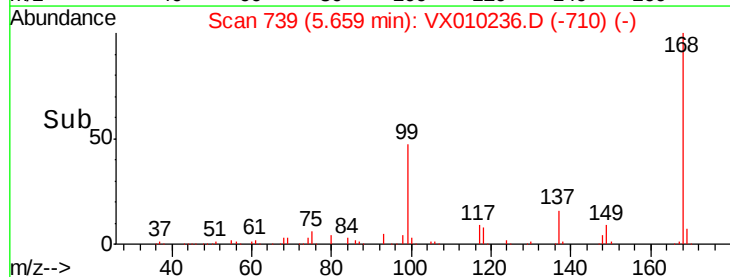
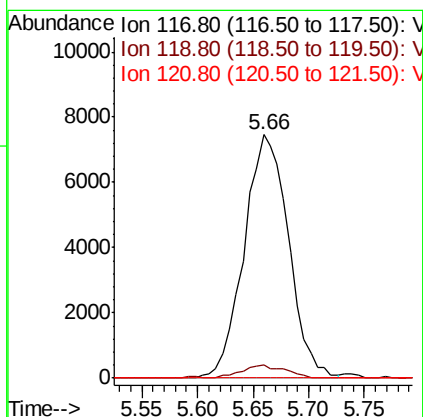
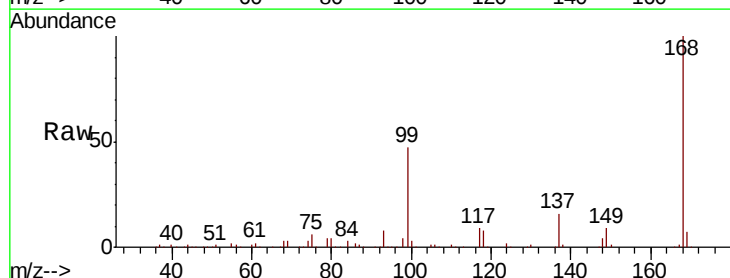
Instrument :
 MSVOA_X
 ClientSampled :
 IBLK

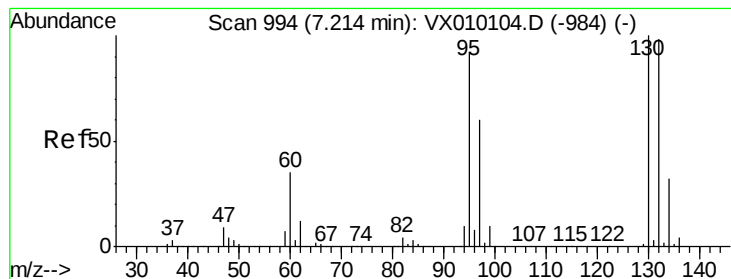
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	16.7	50.1#
77	0.4	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.976 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX010236.D
 Acq: 11 Jun 2019 16:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	77.3	115.9#
121	0.0	25.4	38.0#





#44

Trichloroethene

Concen: 1.432 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX010236.D

Acq: 11 Jun 2019 16:39

Instrument :

MSVOA_X

ClientSampled :

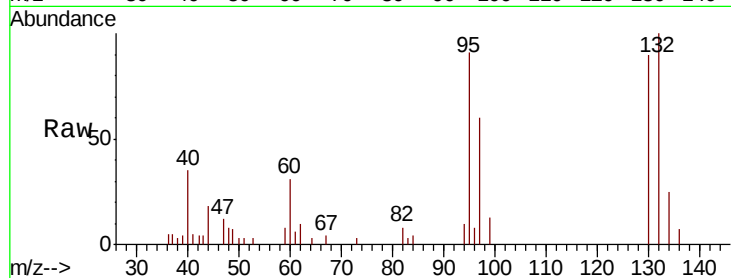
IBLK

Tot Ion:130 Resp: 4081

Ion Ratio Lower Upper

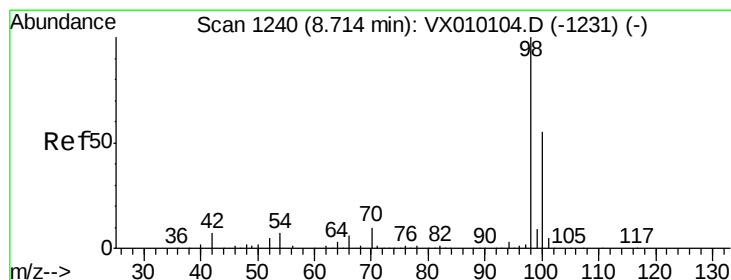
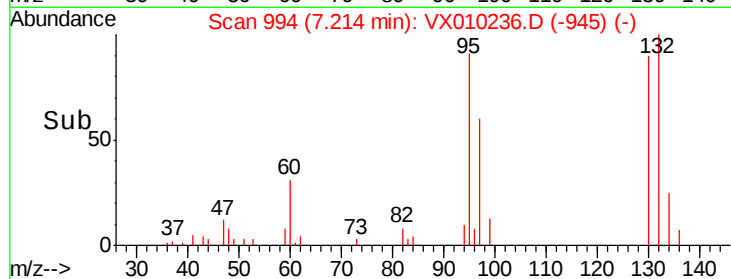
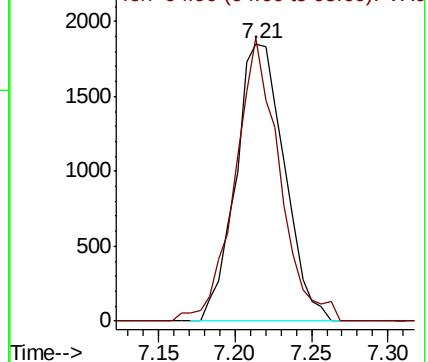
130 100

95 102.1 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 50.953 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010236.D

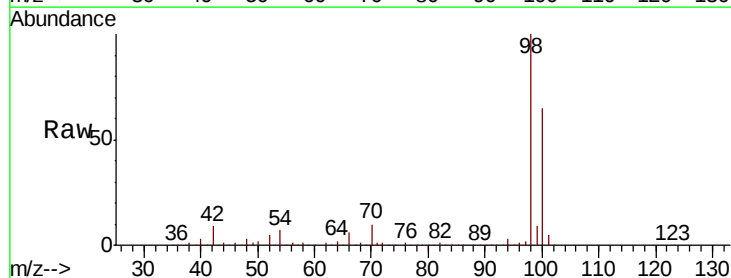
Acq: 11 Jun 2019 16:39

Tgt Ion: 98 Resp: 441483

Ion Ratio Lower Upper

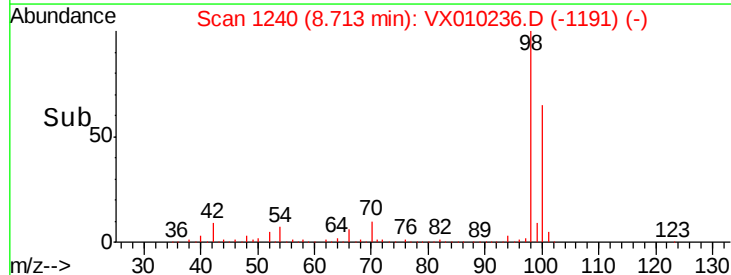
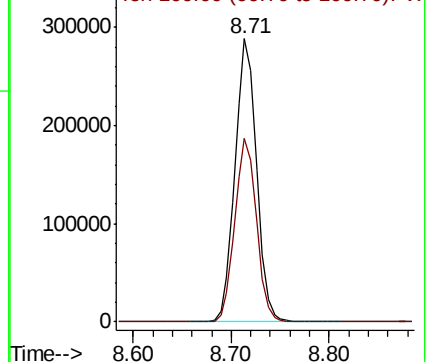
98 100

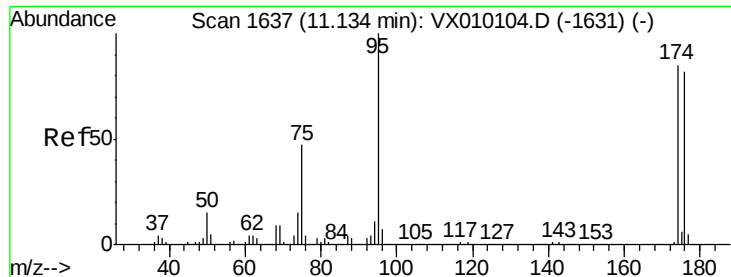
100 65.3 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.659 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010236.D

Acq: 11 Jun 2019 16:39

Instrument :

MSVOA_X

ClientSampleId :

IBLK

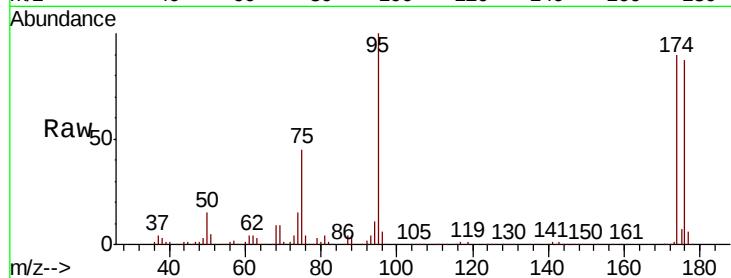
Tot Ion: 95 Resp: 150981

Ion Ratio Lower Upper

95 100

174 96.0 0.0 160.4

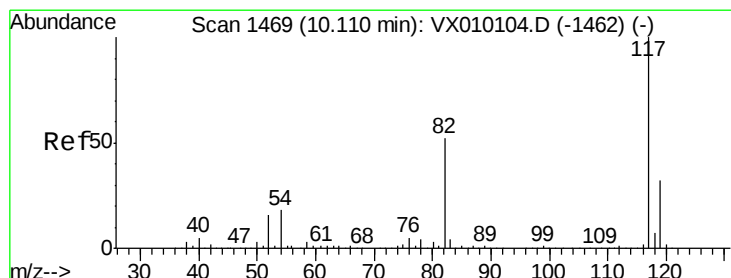
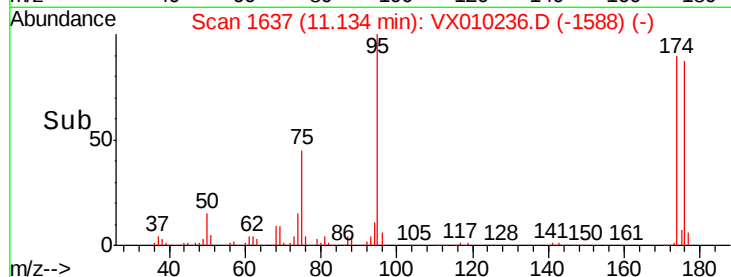
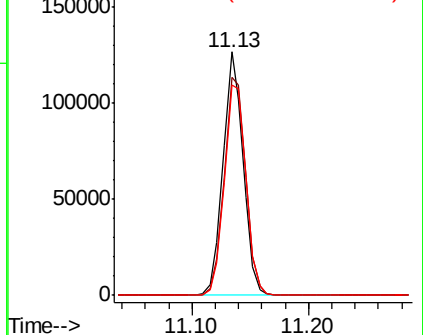
176 93.6 0.0 154.6



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: VX010236.D

Acq: 11 Jun 2019 16:39

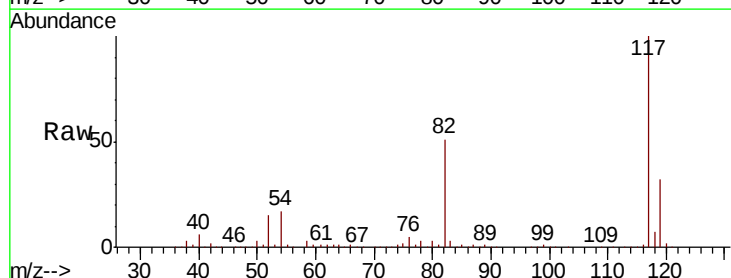
Tgt Ion: 117 Resp: 341181

Ion Ratio Lower Upper

117 100

82 50.9 49.2 73.8

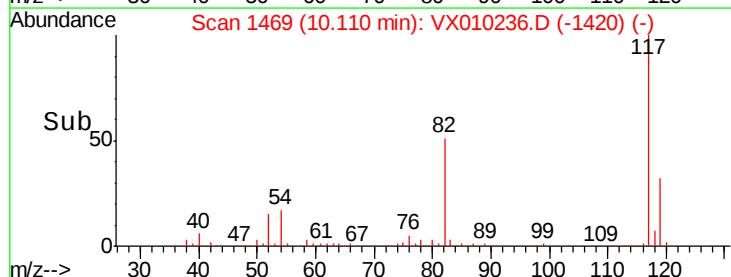
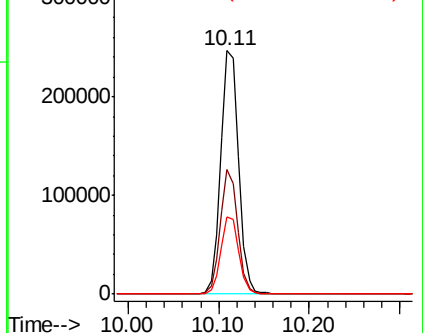
119 31.5 25.2 37.8

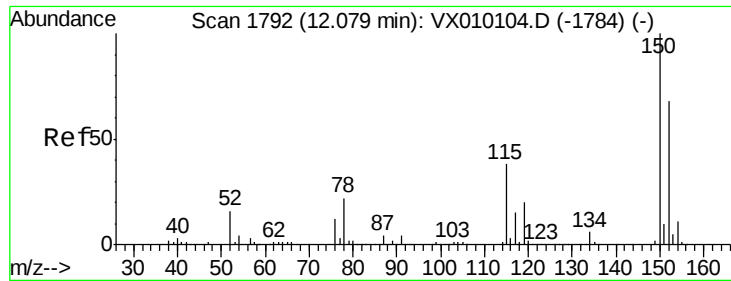


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



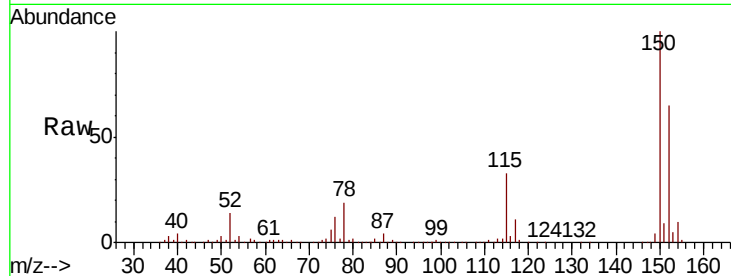


#72

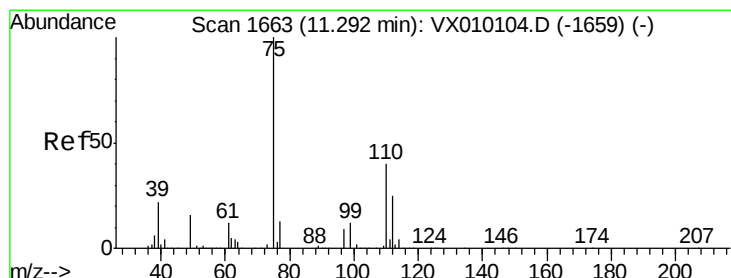
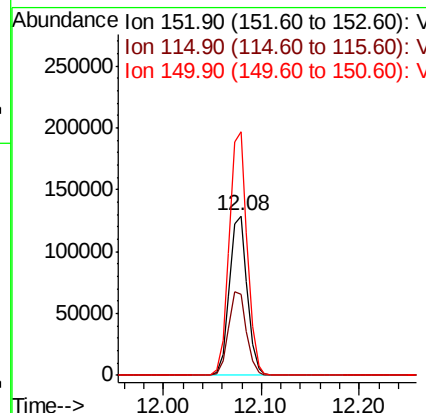
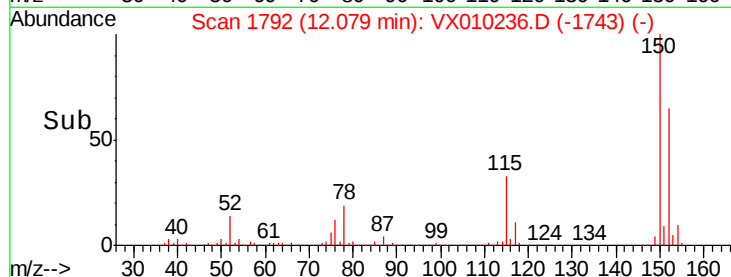
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010236.D
Acq: 11 Jun 2019 16:39

Instrument :
MSVOA_X
ClientSampled :
IBLK

Tot Ion:152 Resp: 162280
Ion Ratio Lower Upper
152 100
115 53.0 41.4 124.2
150 154.0 0.0 345.2



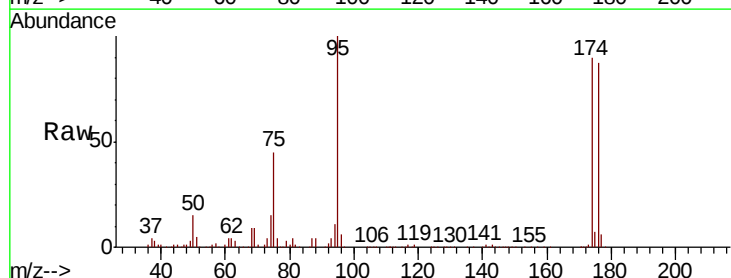
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



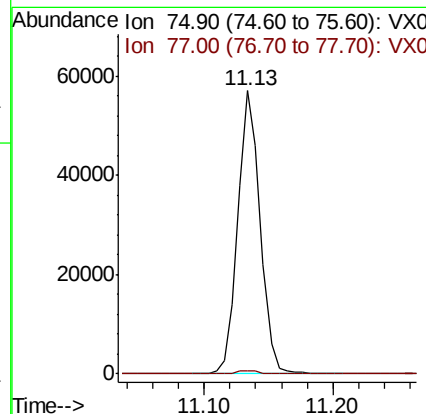
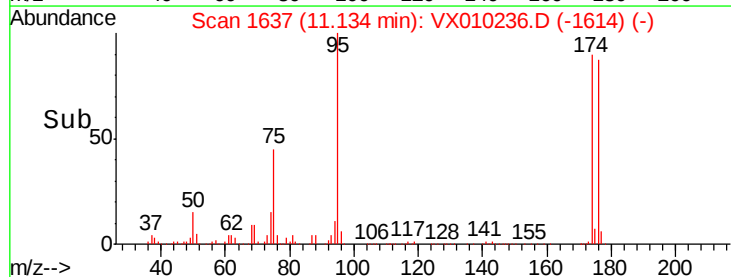
#76

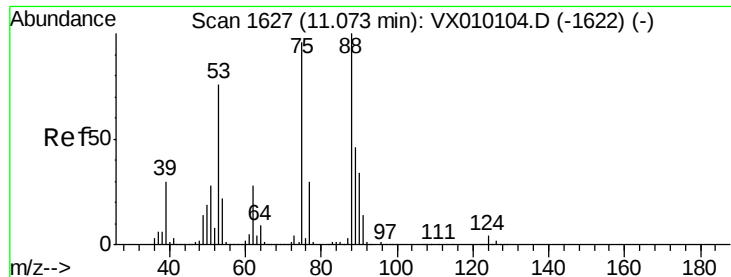
1,2,3-Trichloropropane
Concen: 21.320 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010236.D
Acq: 11 Jun 2019 16:39

Tgt Ion: 75 Resp: 69202
Ion Ratio Lower Upper
75 100
77 1.2 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: 47.104 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010236.D

Acq: 11 Jun 2019 16:39

Instrument :

MSVOA_X

ClientSampleId :

IBLK

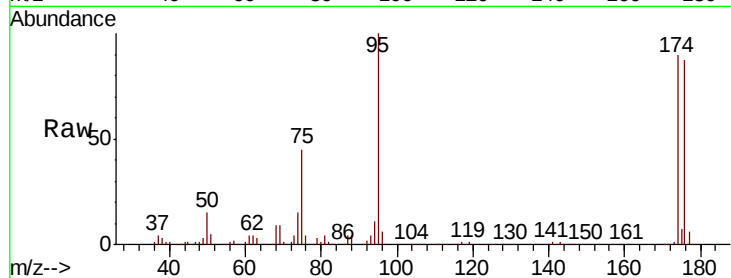
Tot Ion: 75 Resp: 69202

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

