

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082319\
 Data File : VX011801.D
 Acq On : 23 Aug 2019 16:27
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Aug 26 01:55:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	483586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	639045	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	570299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	287331	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	195194	40.18	ug/l	0.00
Spiked Amount			Recovery	=	80.36%	
35) Dibromofluoromethane	5.49	113	187394	45.35	ug/l	0.00
Spiked Amount			Recovery	=	90.70%	
50) Toluene-d8	8.71	98	701600	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
62) 4-Bromofluorobenzene	11.13	95	254268	44.63	ug/l	0.00
Spiked Amount			Recovery	=	89.26%	

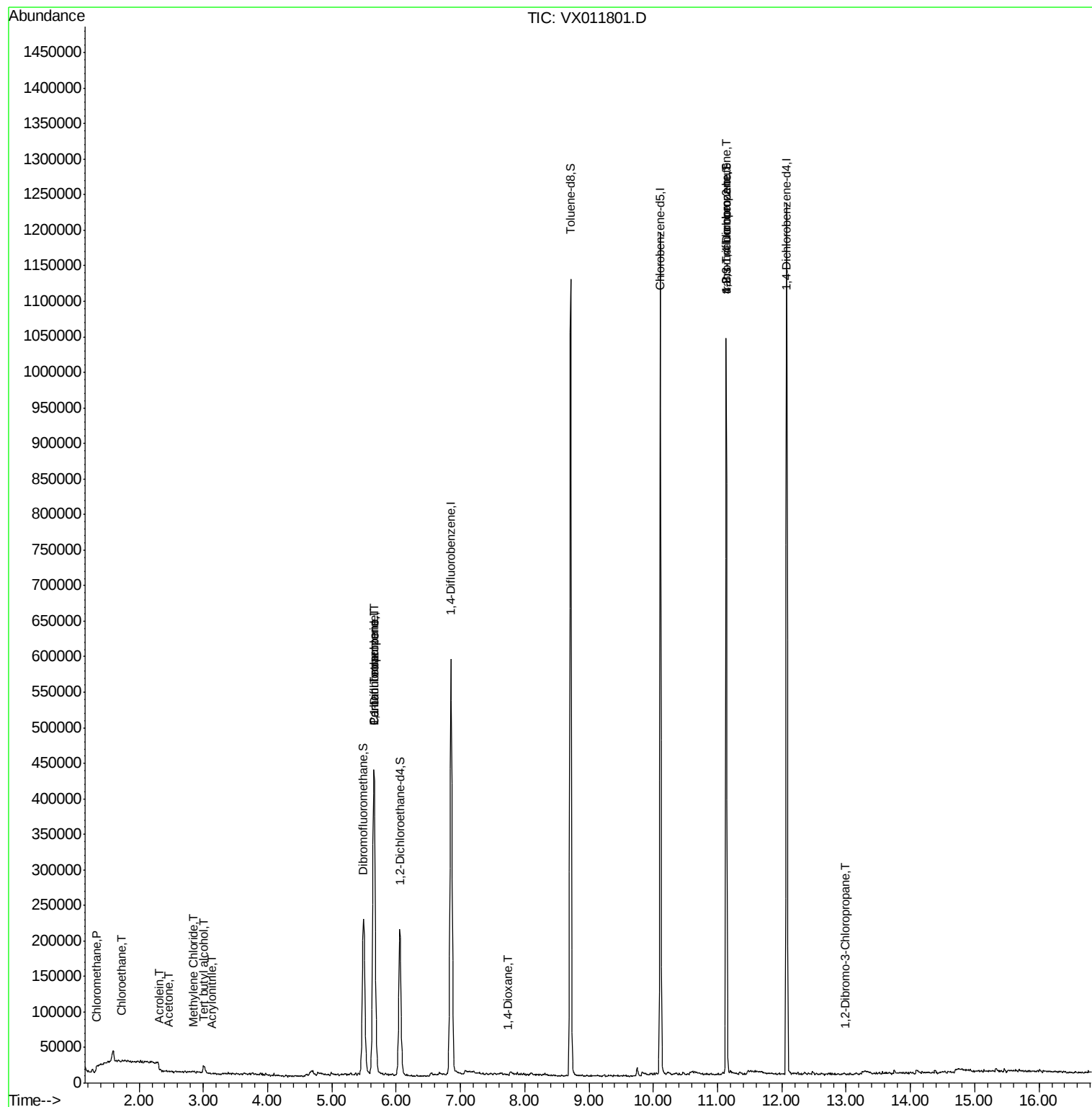
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	852	0.215	ug/l	92
6) Chloroethane	1.72	64	593	0.256	ug/l #	85
11) Tert butyl alcohol	3.01	59	6497	6.768	ug/l #	86
13) Acrolein	2.32	56	541	1.458	ug/l	88
15) Acrylonitrile	3.13	53	485	0.221	ug/l #	62
16) Acetone	2.45	43	438	0.207	ug/l #	72
20) Methylene Chloride	2.85	84	1037	0.240	ug/l #	59
36) 1,1-Dichloropropene	5.65	75	25942	5.177	ug/l #	50
38) Carbon Tetrachloride	5.65	117	38587	6.794	ug/l #	15
49) 1,4-Dioxane	7.74	88	231	1.952	ug/l #	69
76) 1,2,3-Trichloropropane	11.13	75	114773	22.764	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	114773	68.653	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.99	75	306	0.230	ug/l #	7

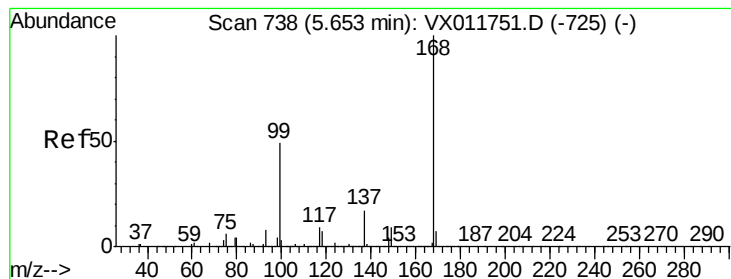
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX082319\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011801.D

Acq: 23 Aug 2019 16:27

Instrument :

MSVOA_X

ClientSampled :

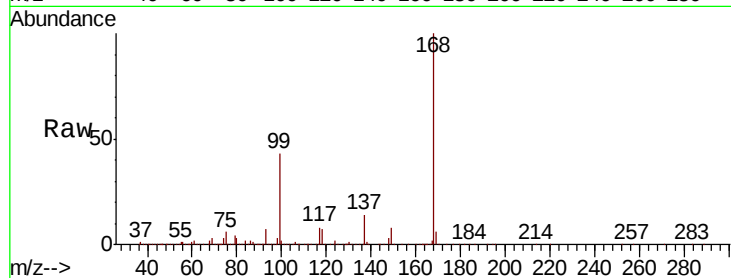
IBLK

Tgt Ion:168 Resp: 483586

Ion Ratio Lower Upper

168 100

99 43.1 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

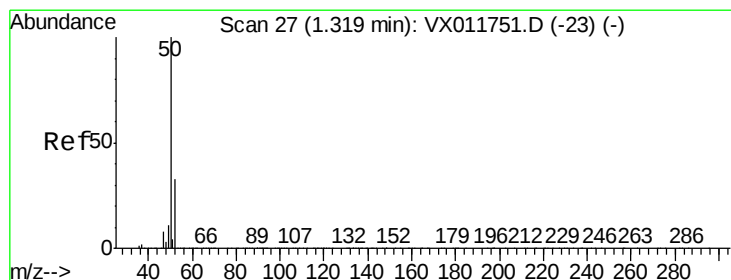
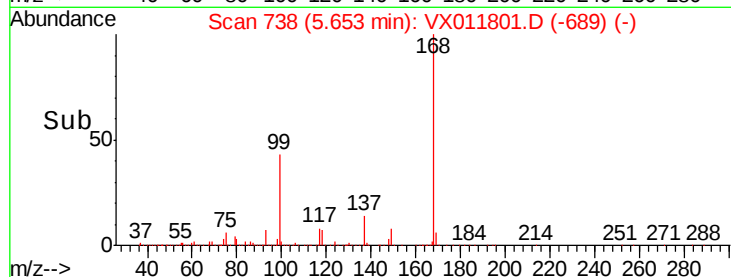
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.215 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX011801.D

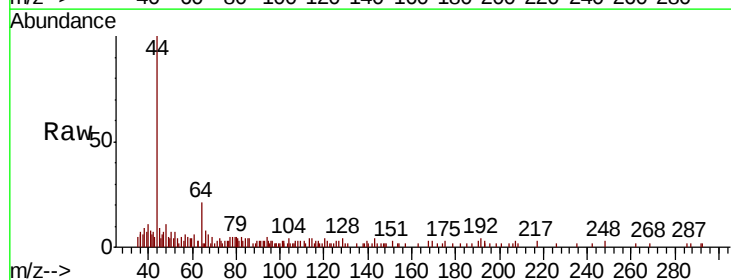
Acq: 23 Aug 2019 16:27

Tgt Ion: 50 Resp: 852

Ion Ratio Lower Upper

50 100

52 37.8 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

500

400

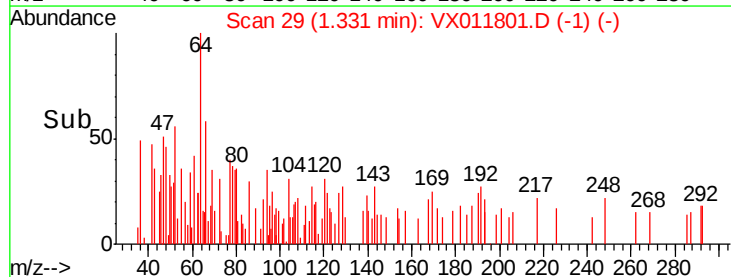
300

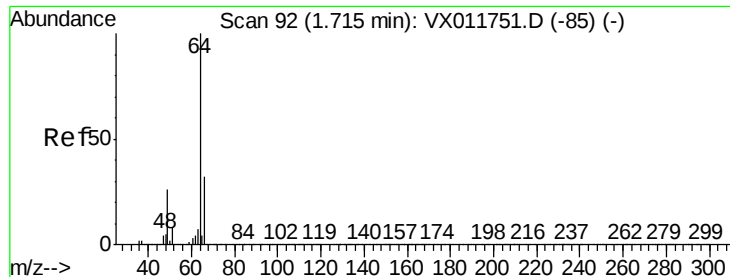
200

100

0

Time-->





#6

Chloroethane

Concen: 0.256 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX011801.D

Acq: 23 Aug 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

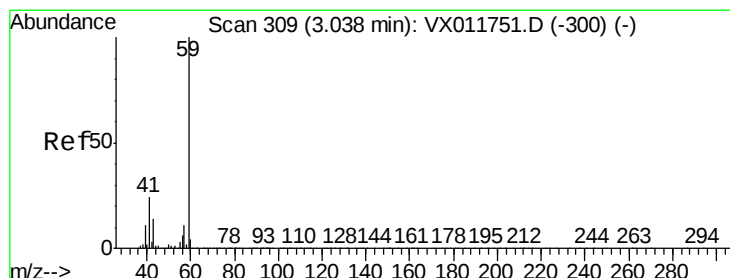
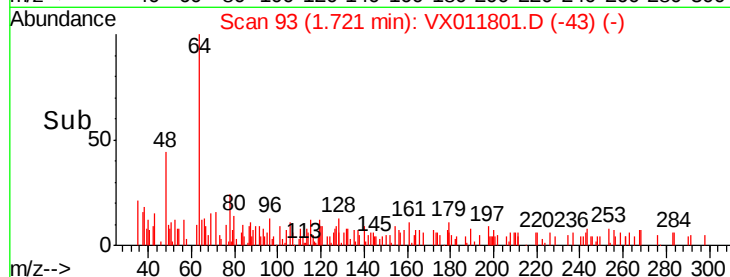
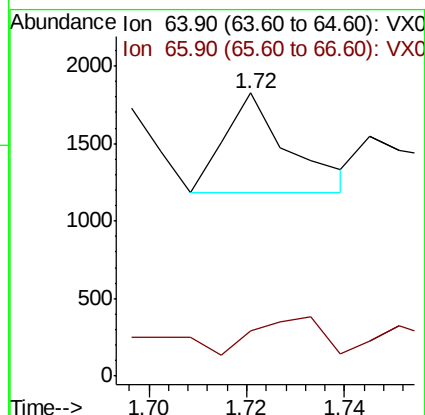
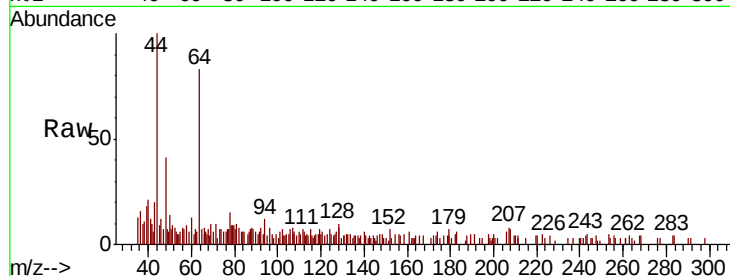
IBLK

Tgt Ion: 64 Resp: 593

Ion Ratio Lower Upper

64 100

66 22.8 24.9 37.3#



#11

Tert butyl alcohol

Concen: 6.768 ug/l

RT: 3.01 min Scan# 304

Delta R.T. -0.03 min

Lab File: VX011801.D

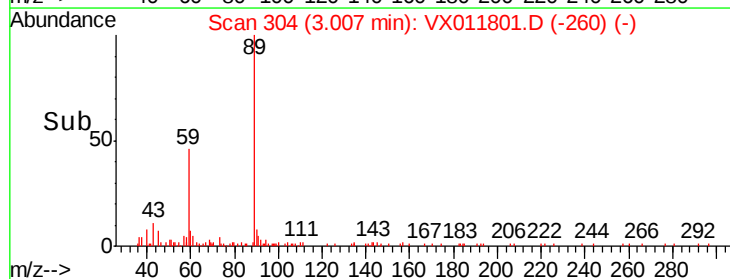
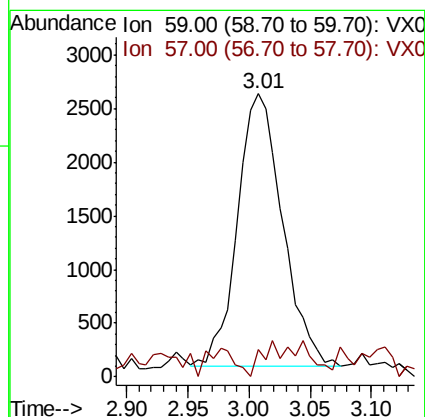
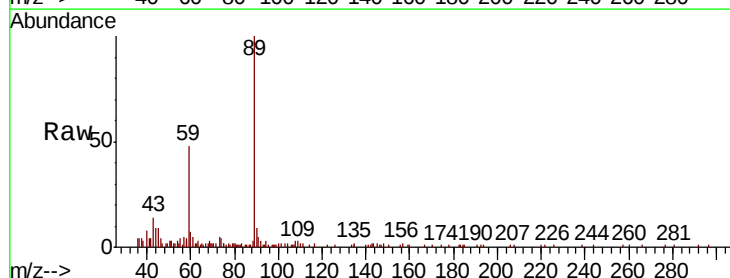
Acq: 23 Aug 2019 16:27

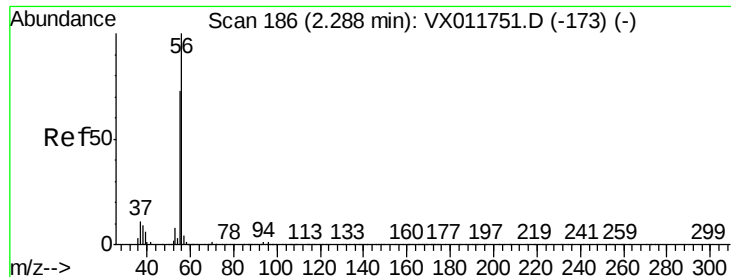
Tgt Ion: 59 Resp: 6497

Ion Ratio Lower Upper

59 100

57 5.2 8.4 12.6#





#13

Acrolein

Concen: 1.458 ug/l

RT: 2.32 min Scan# 191

Delta R.T. 0.03 min

Lab File: VX011801.D

Acq: 23 Aug 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

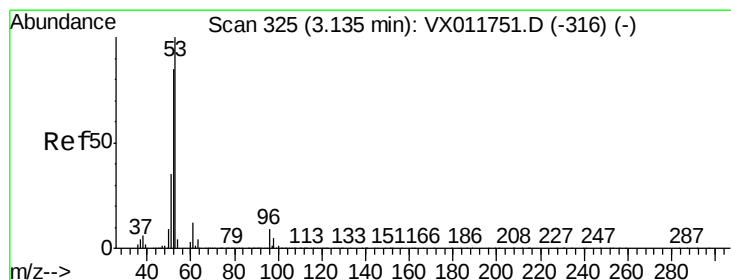
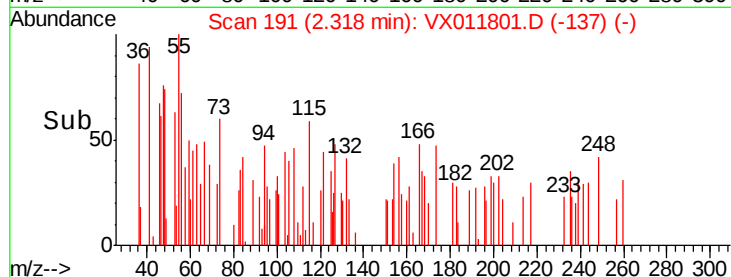
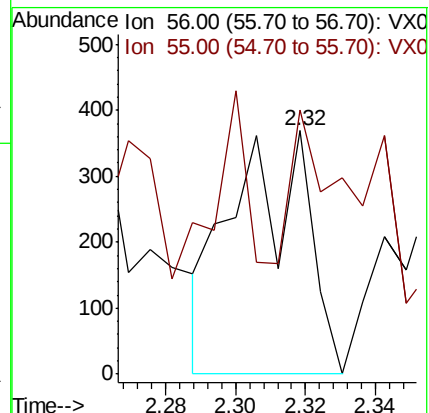
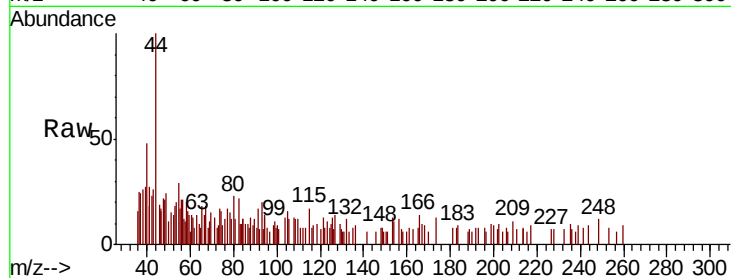
IBLK

Tgt Ion: 56 Resp: 541

Ion Ratio Lower Upper

56 100

55 59.1 54.8 82.2



#15

Acrylonitrile

Concen: 0.221 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX011801.D

Acq: 23 Aug 2019 16:27

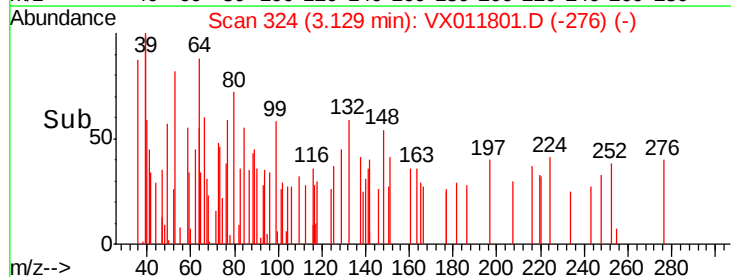
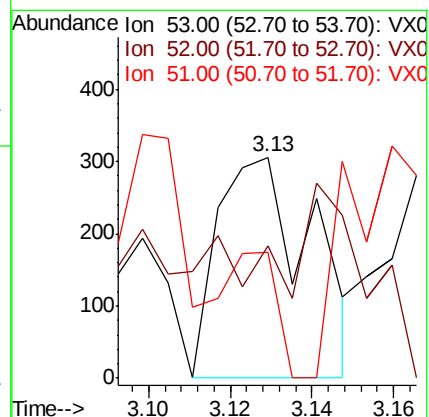
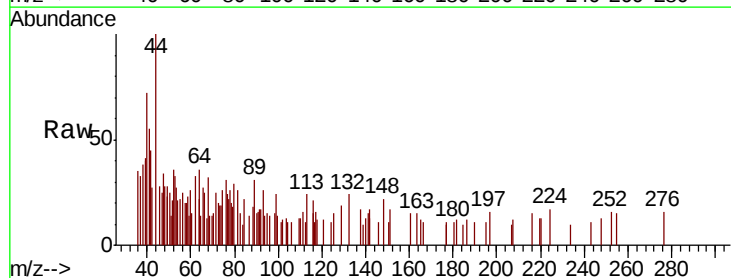
Tgt Ion: 53 Resp: 485

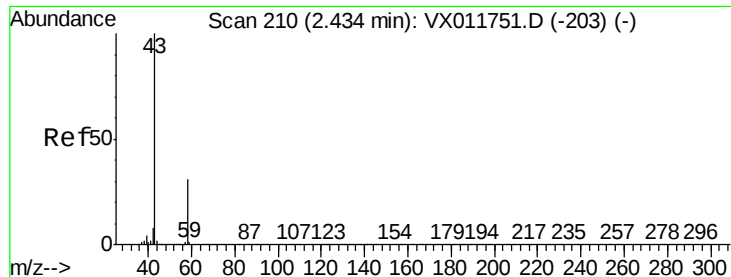
Ion Ratio Lower Upper

53 100

52 57.5 65.7 98.5#

51 0.0 28.6 43.0#

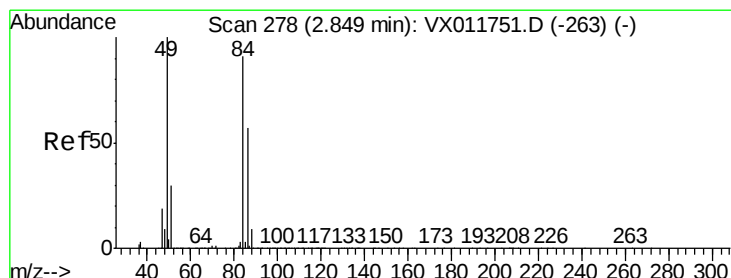
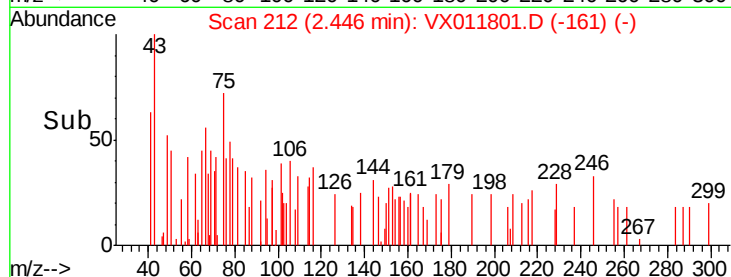
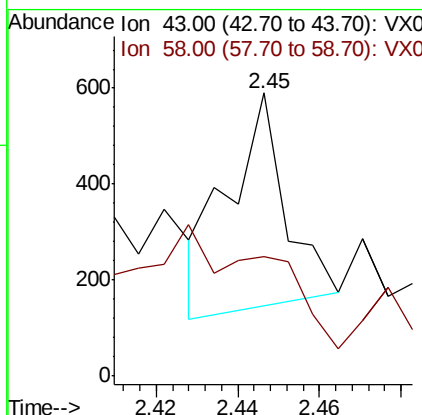
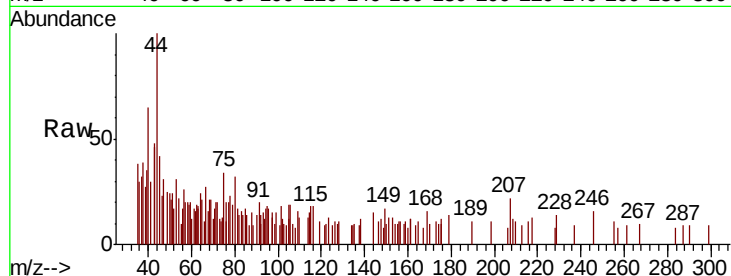




#16
Acetone
Concen: 0.207 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.01 min
Lab File: VX011801.D
Acq: 23 Aug 2019 16:27

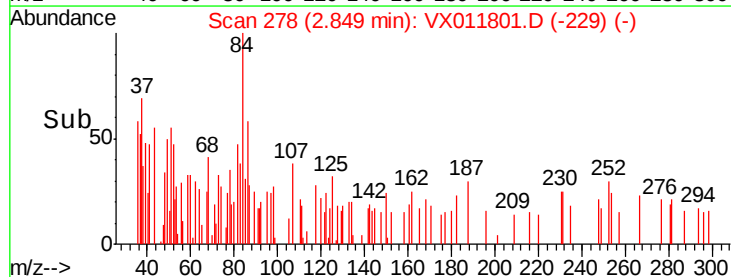
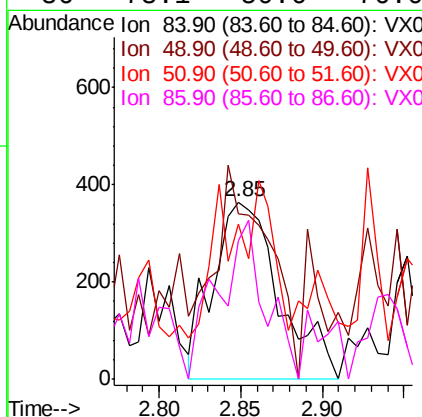
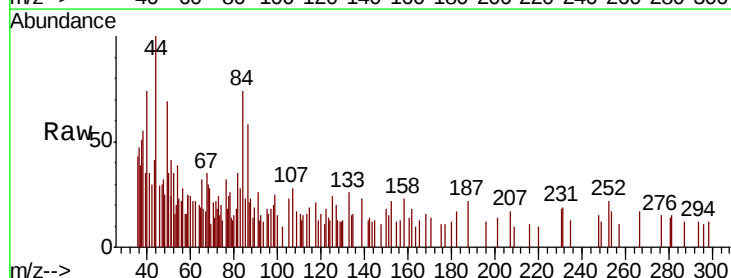
Instrument :
MSVOA_X
ClientSampleId :
IBLK

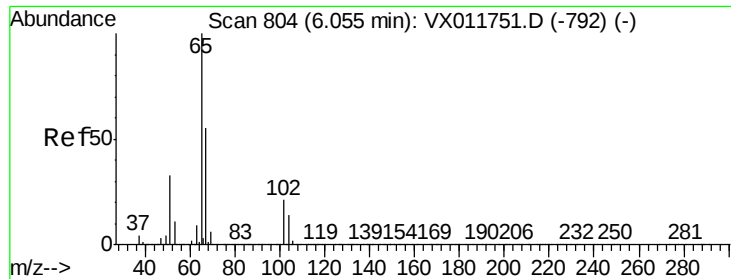
Tgt Ion: 43 Resp: 438
Ion Ratio Lower Upper
43 100
58 45.8 24.4 36.6#



#20
Methylene Chloride
Concen: 0.240 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011801.D
Acq: 23 Aug 2019 16:27

Tgt Ion: 84 Resp: 1037
Ion Ratio Lower Upper
84 100
49 58.1 88.3 132.5#
51 64.4 26.2 39.2#
86 78.1 50.6 76.0#





#33

1,2-Dichloroethane-d4

Concen: 40.181 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011801.D

Acq: 23 Aug 2019 16:27

Instrument :

MSVOA_X

ClientSampled :

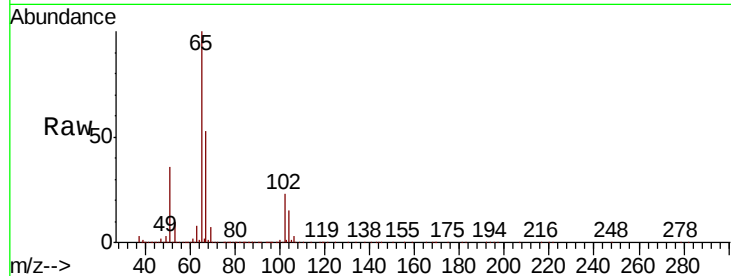
IBLK

Tgt Ion: 65 Resp: 195194

Ion Ratio Lower Upper

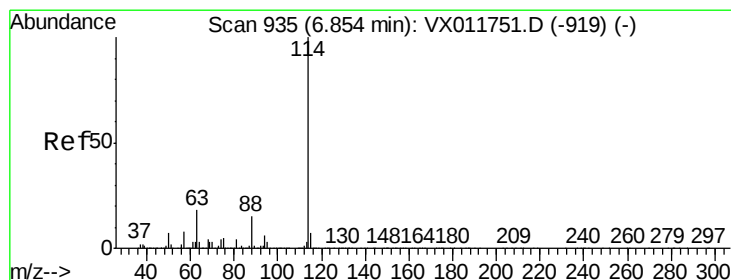
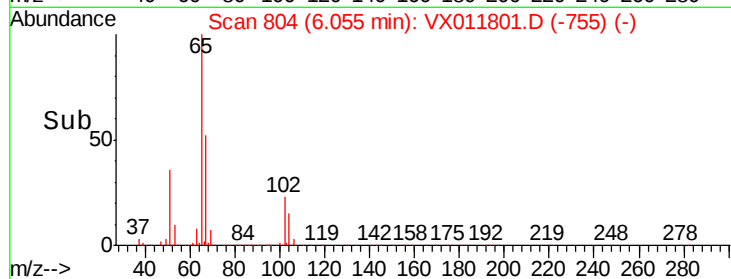
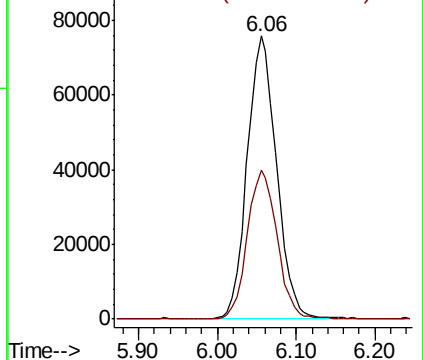
65 100

67 53.3 0.0 107.8



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# 935

Delta R.T. -0.00 min

Lab File: VX011801.D

Acq: 23 Aug 2019 16:27

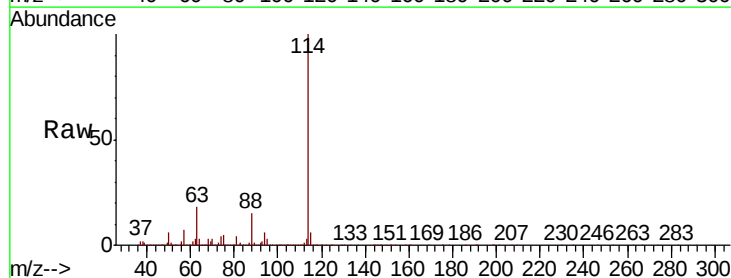
Tgt Ion: 114 Resp: 639045

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.8

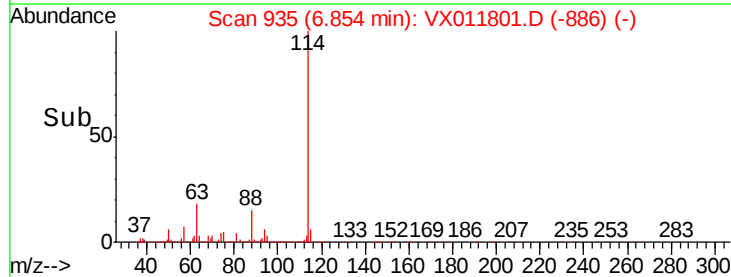
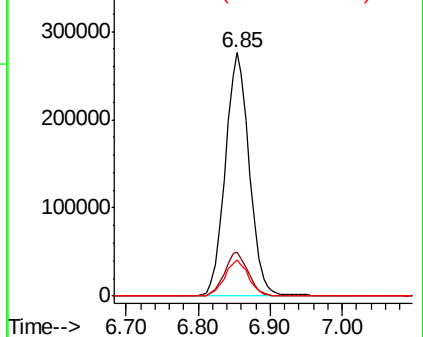
88 14.9 0.0 30.2

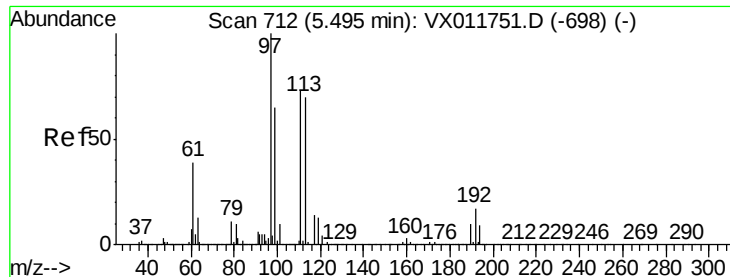


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

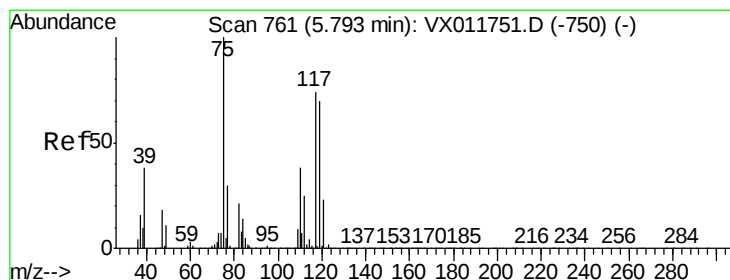
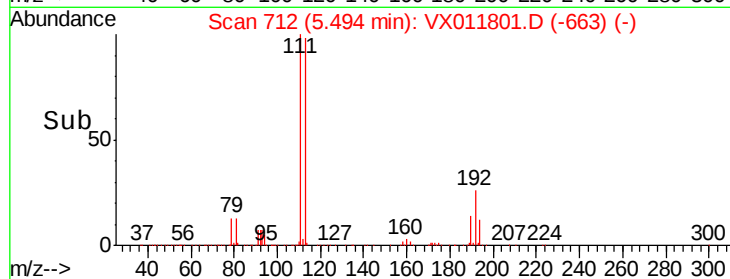
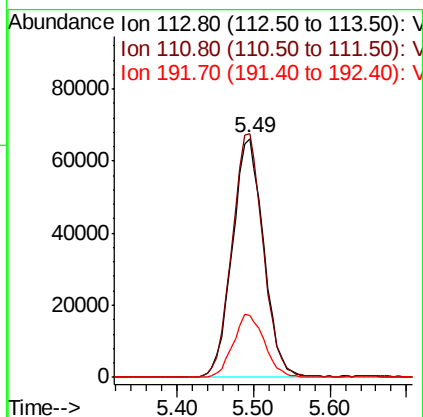
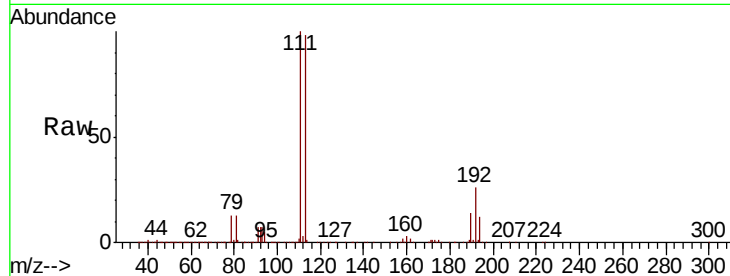




#35
 Dibromofluoromethane
 Concen: 45.348 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX011801.D
 Acq: 23 Aug 2019 16:27

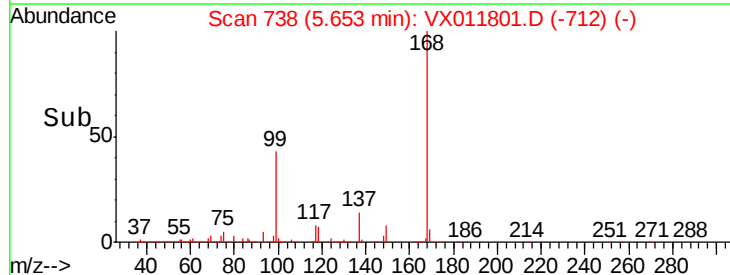
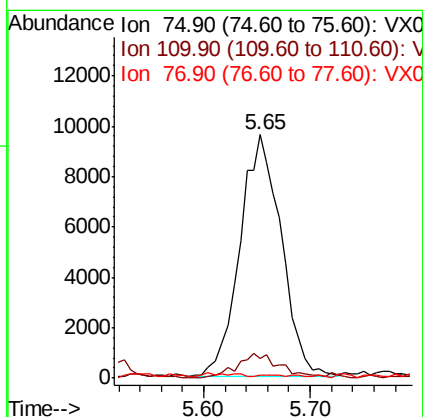
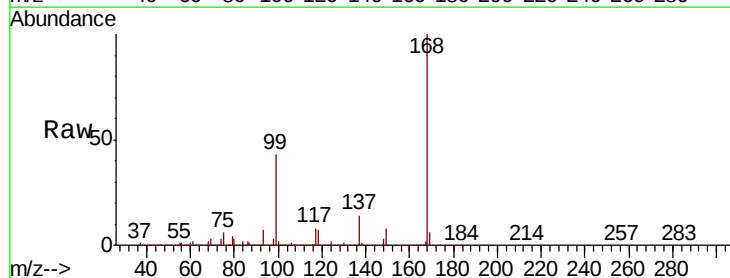
Instrument :
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 ClientSampleId :
 IBLK

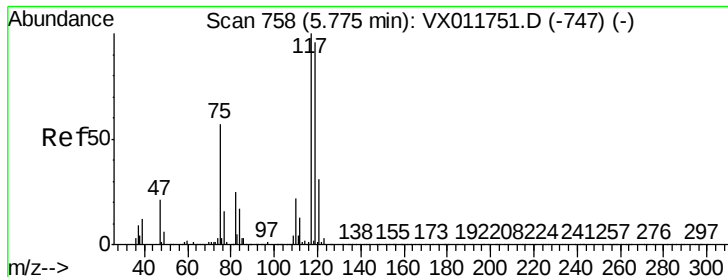
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.0	121.4
192	26.6	19.9	29.9



#36
 1,1-Dichloropropene
 Concen: 5.177 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011801.D
 Acq: 23 Aug 2019 16:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	19.0	57.0#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.794 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.12 min

Lab File: VX011801.D

Acq: 23 Aug 2019 16:27

Instrument :

MSVOA_X

ClientSampled :

IBLK

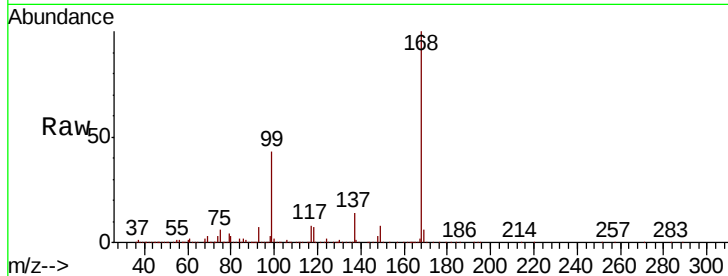
Tgt Ion: 117 Resp: 38587

Ion Ratio Lower Upper

117 100

119 3.9 76.6 114.8#

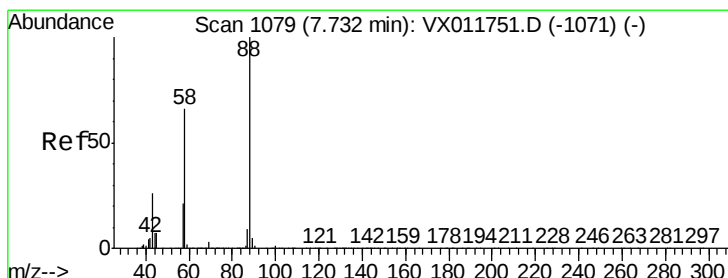
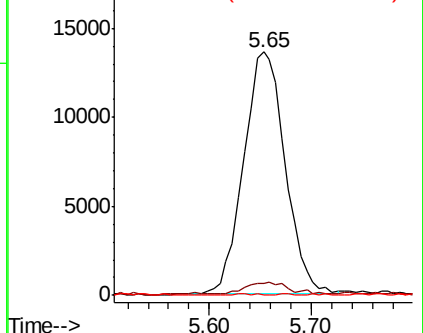
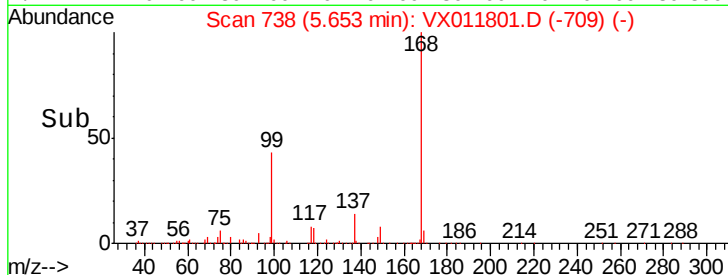
121 0.4 25.2 37.8#



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: 1.952 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VX011801.D

Acq: 23 Aug 2019 16:27

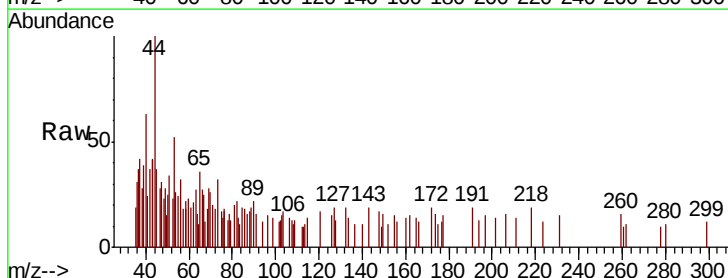
Tgt Ion: 88 Resp: 231

Ion Ratio Lower Upper

88 100

43 74.9 24.6 37.0#

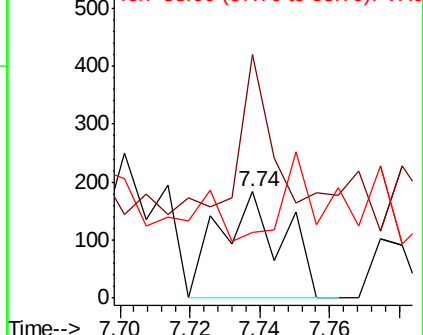
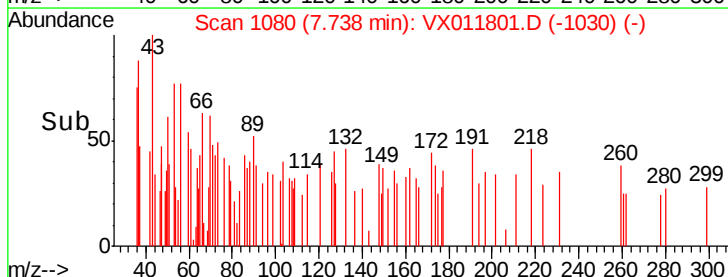
58 70.1 51.4 77.2

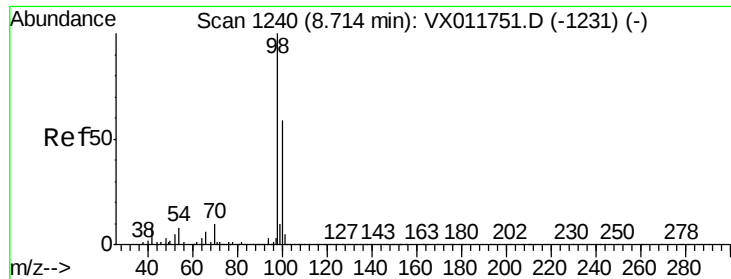


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.676 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011801.D

Acq: 23 Aug 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

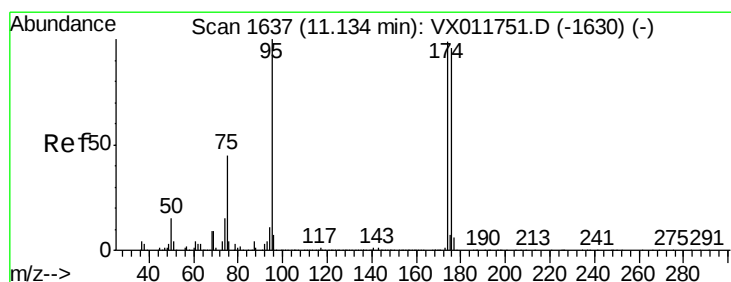
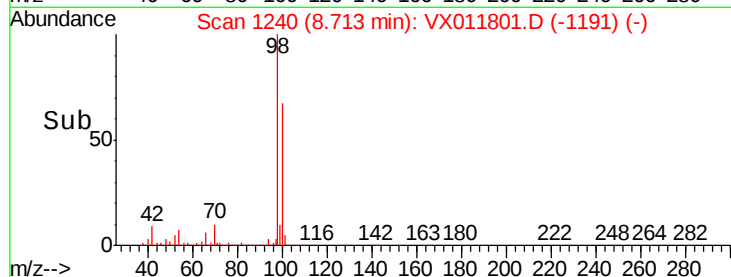
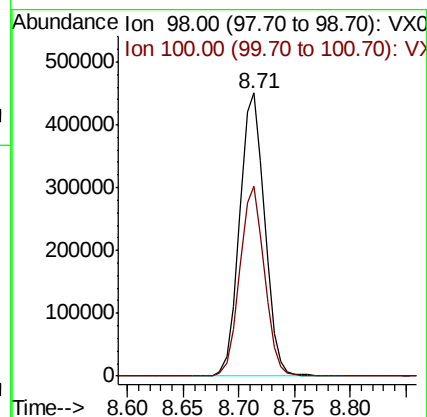
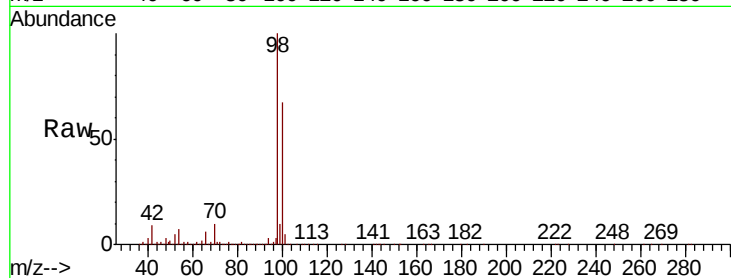
IBLK

Tgt Ion: 98 Resp: 701600

Ion Ratio Lower Upper

98 100

100 66.0 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 44.631 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011801.D

Acq: 23 Aug 2019 16:27

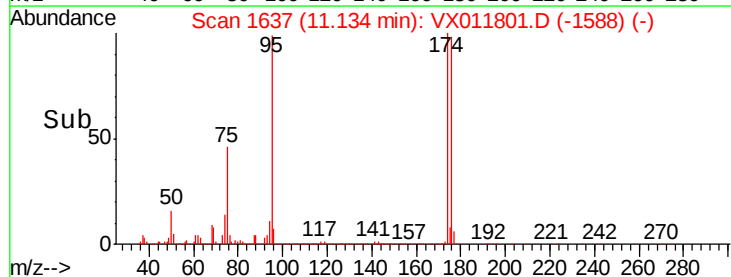
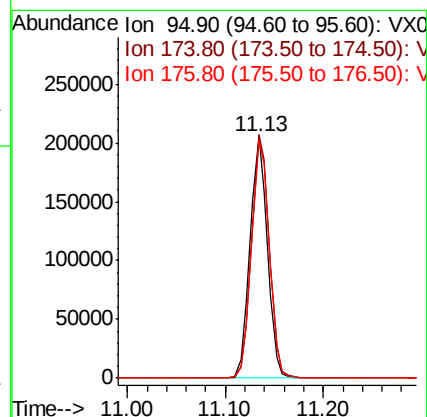
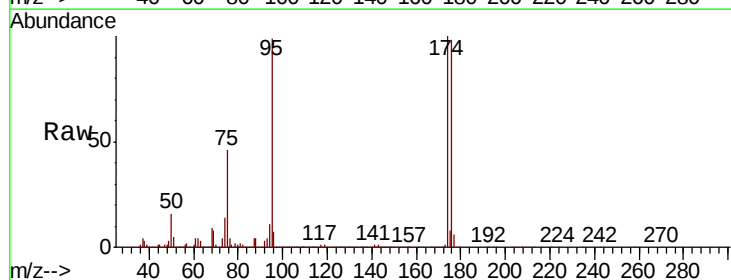
Tgt Ion: 95 Resp: 254268

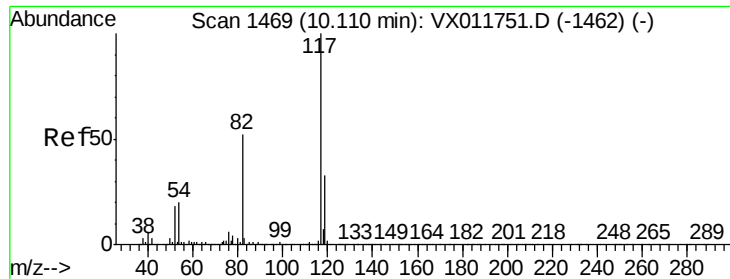
Ion Ratio Lower Upper

95 100

174 102.7 0.0 197.4

176 100.7 0.0 194.4

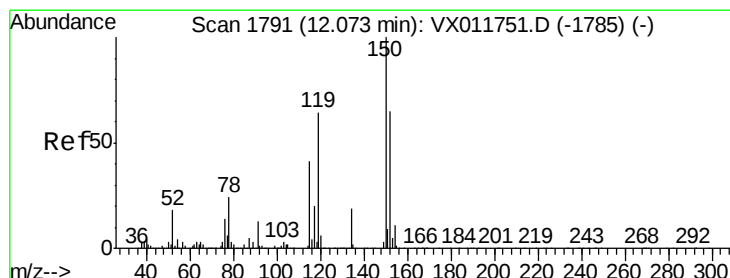
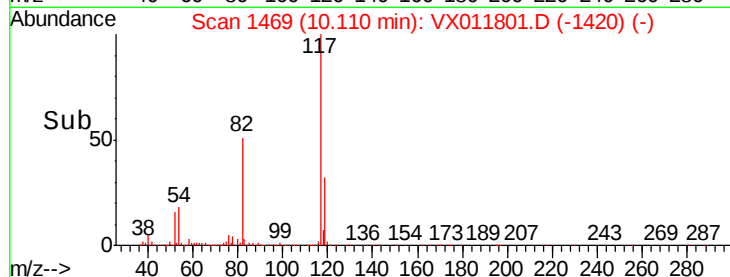
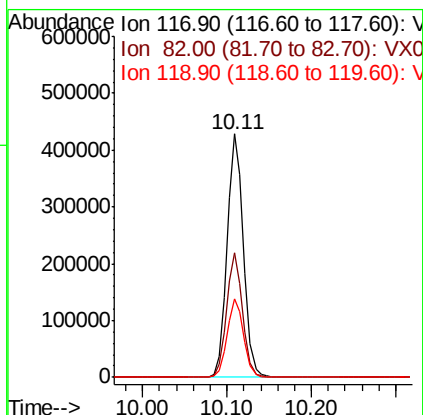
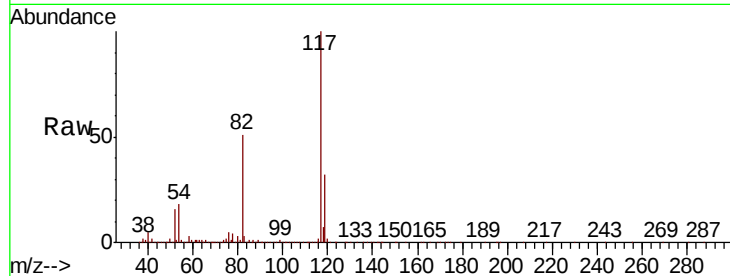




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011801.D
Acq: 23 Aug 2019 16:27

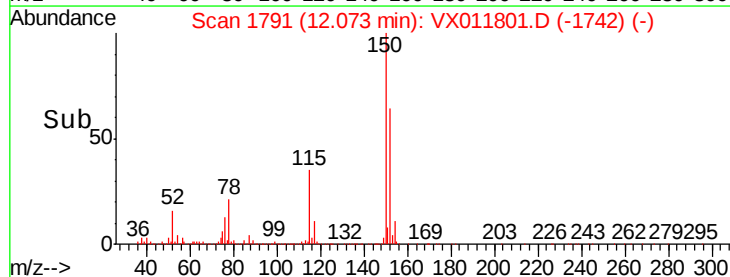
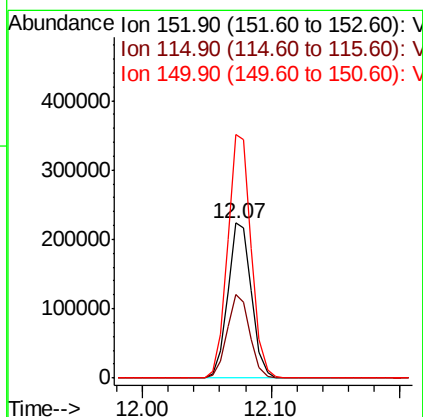
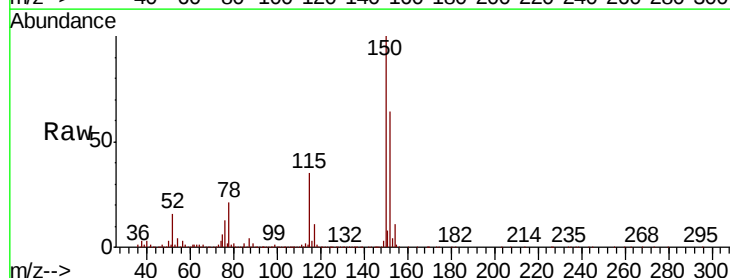
Instrument :
MSVOA_X
ClientSampled :
IBLK

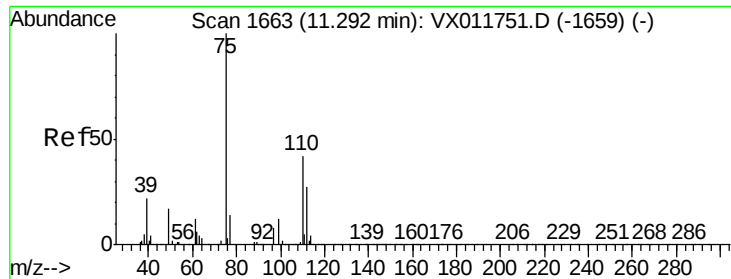
Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.1	41.7	62.5
119	32.5	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX011801.D
Acq: 23 Aug 2019 16:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.5	37.3	111.8
150	156.7	0.0	343.0





#76

1,2,3-Trichloropropane

Concen: 22.764 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011801.D

Acq: 23 Aug 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

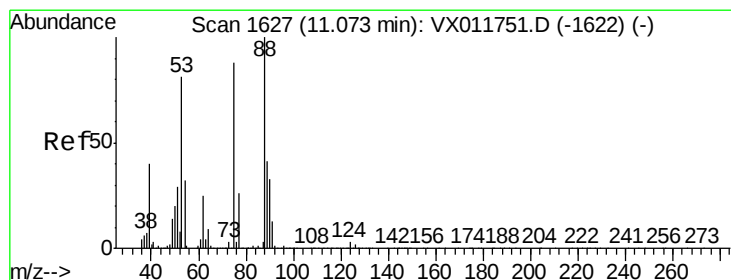
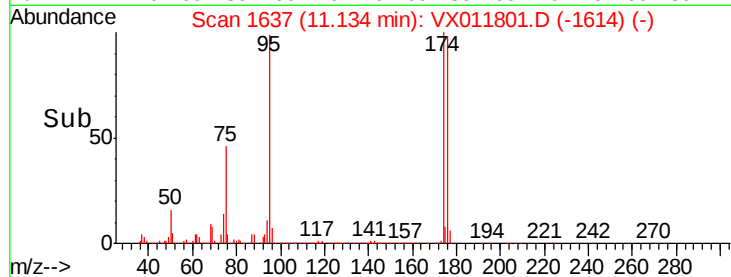
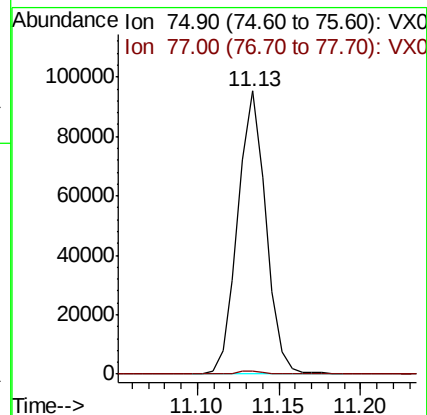
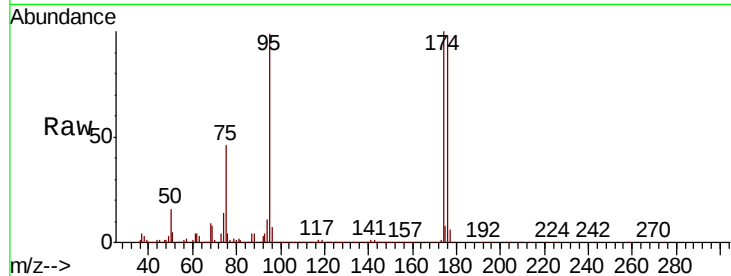
IBLK

Tgt Ion: 75 Resp: 114773

Ion Ratio Lower Upper

75 100

77 1.4 21.1 63.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.653 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011801.D

Acq: 23 Aug 2019 16:27

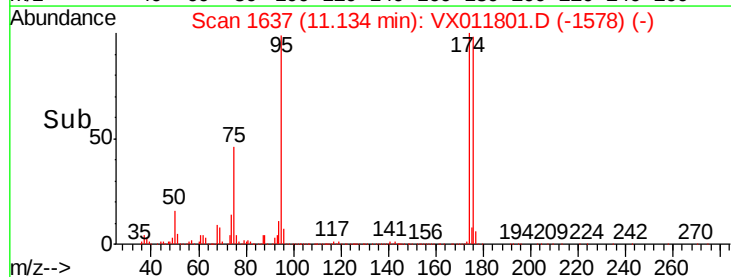
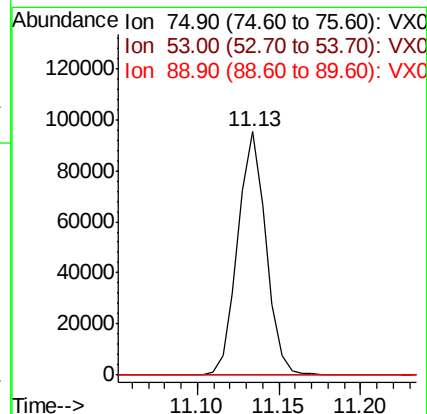
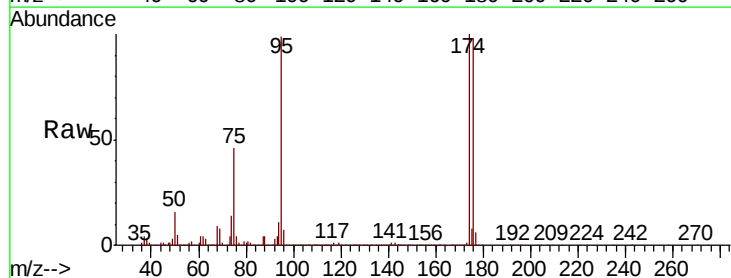
Tgt Ion: 75 Resp: 114773

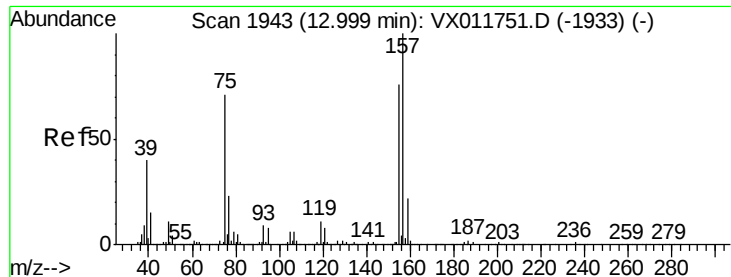
Ion Ratio Lower Upper

75 100

53 0.3 77.1 115.7#

89 0.1 38.5 57.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.230 ug/l

RT: 12.99 min Scan# 1942

Delta R.T. -0.01 min

Lab File: VX011801.D

Acq: 23 Aug 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion: 75 Resp: 306

Ion Ratio Lower Upper

75 100

155 36.9 52.6 157.9#

157 0.0 68.3 204.9#

