

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082319\
 Data File : VX011810.D
 Acq On : 23 Aug 2019 19:58
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Aug 26 01:59:17 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	459619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	609988	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	542004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	274064	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	197577	42.79	ug/l	0.00
Spiked Amount			Recovery	=	85.58%	
35) Dibromofluoromethane	5.49	113	178080	45.15	ug/l	0.00
Spiked Amount			Recovery	=	90.30%	
50) Toluene-d8	8.71	98	692498	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	11.13	95	246269	45.29	ug/l	0.00
Spiked Amount			Recovery	=	90.58%	

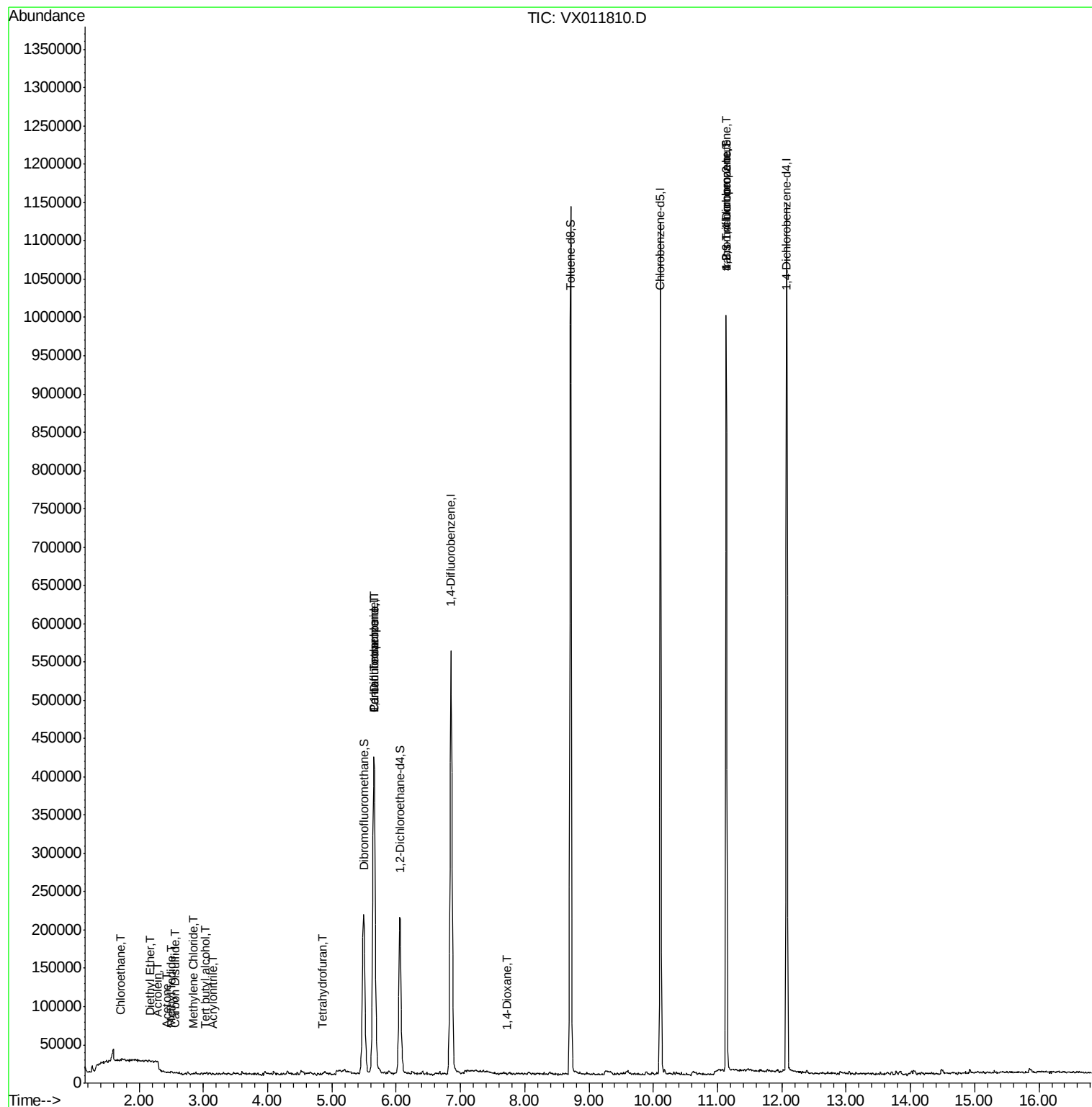
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	612	0.278	ug/l #	81
8) Diethyl Ether	2.17	74	539	0.265	ug/l #	51
10) Methyl Iodide	2.51	142	1184	0.262	ug/l #	70
11) Tert butyl alcohol	3.03	59	268	0.294	ug/l #	1
13) Acrolein	2.29	56	200	0.567	ug/l #	1
15) Acrylonitrile	3.15	53	539	0.258	ug/l	94
16) Acetone	2.43	43	1109	0.552	ug/l	94
17) Carbon Disulfide	2.56	76	2525	0.276	ug/l #	88
20) Methylene Chloride	2.85	84	860	0.209	ug/l #	62
29) Tetrahydrofuran	4.85	42	391	0.212	ug/l	99
36) 1,1-Dichloropropene	5.66	75	24401	5.101	ug/l #	41
38) Carbon Tetrachloride	5.66	117	36497	6.733	ug/l #	16
49) 1,4-Dioxane	7.73	88	81	0.717	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	113239	23.547	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	113239	71.014	ug/l #	11

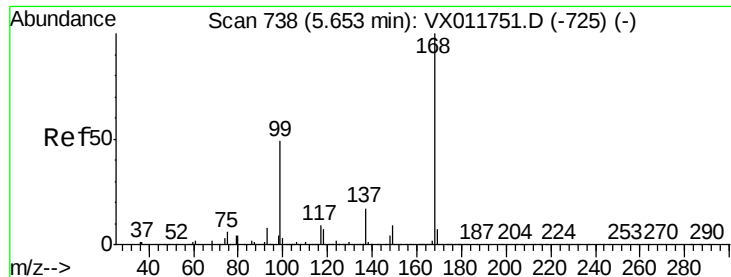
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 23 01:48:12 2019
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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: VX011810.D

Acq: 23 Aug 2019 19:58

Instrument :

MSVOA_X

ClientSampleId :

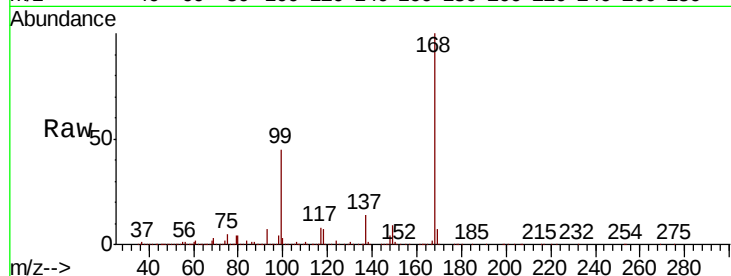
IBLK

Tgt Ion:168 Resp: 459619

Ion Ratio Lower Upper

168 100

99 44.8 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

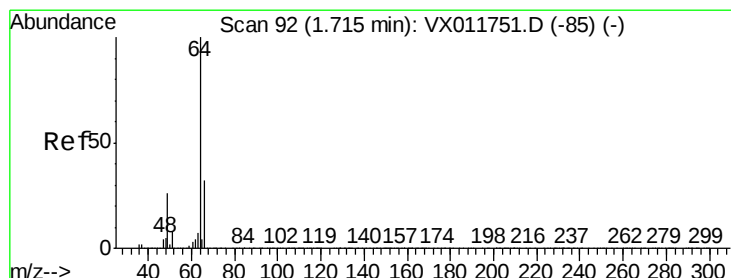
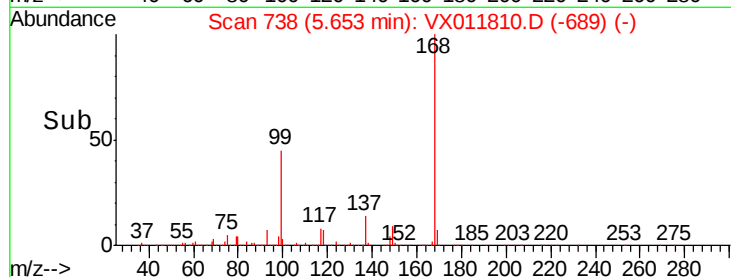
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.278 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011810.D

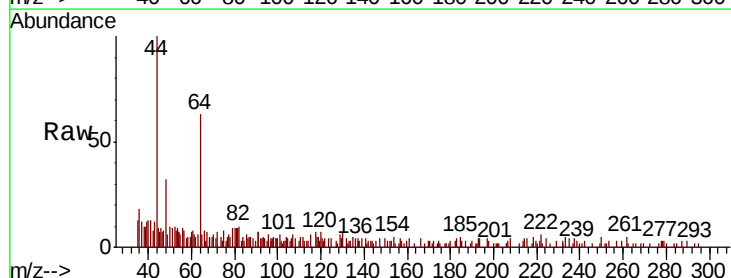
Acq: 23 Aug 2019 19:58

Tgt Ion: 64 Resp: 612

Ion Ratio Lower Upper

64 100

66 20.4 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

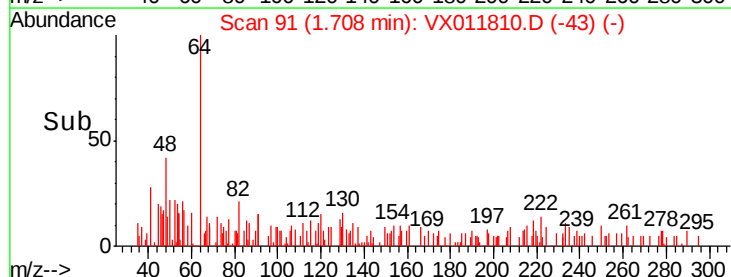
1500

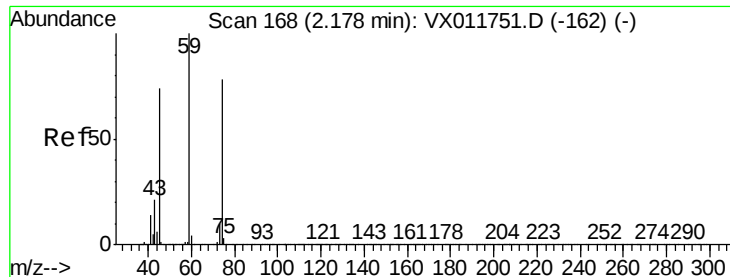
1000

500

0

Time-->





#8

Diethyl Ether

Concen: 0.265 ug/l

RT: 2.17 min Scan# 167

Delta R.T. -0.01 min

Lab File: VX011810.D

Acq: 23 Aug 2019 19:58

Instrument :

MSVOA_X

ClientSampleId :

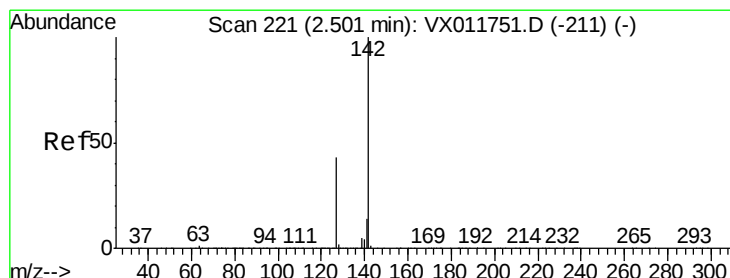
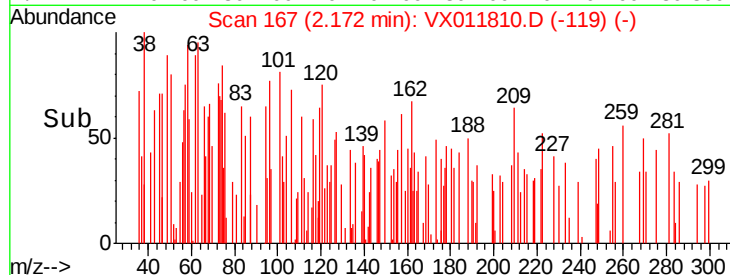
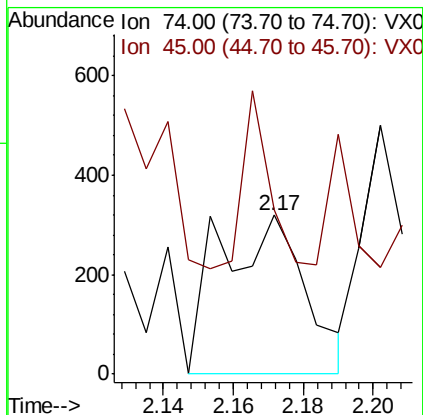
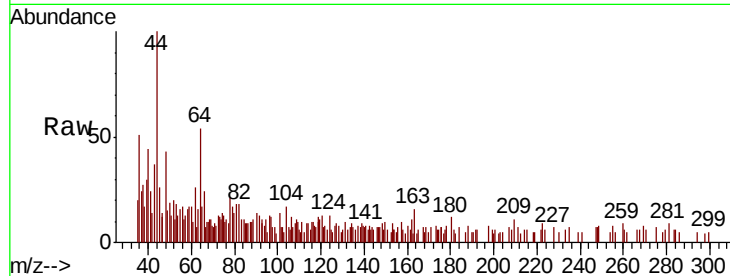
IBLK

Tgt Ion: 74 Resp: 539

Ion Ratio Lower Upper

74 100

45 46.6 46.7 140.0#



#10

Methyl Iodide

Concen: 0.262 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.01 min

Lab File: VX011810.D

Acq: 23 Aug 2019 19:58

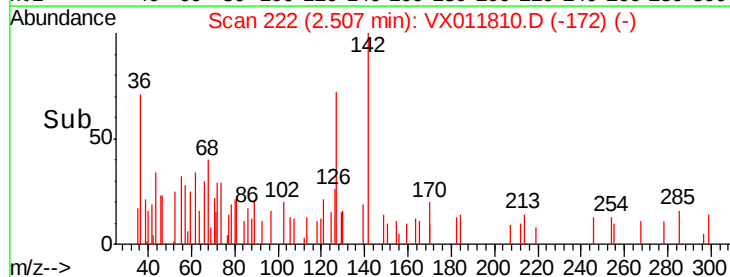
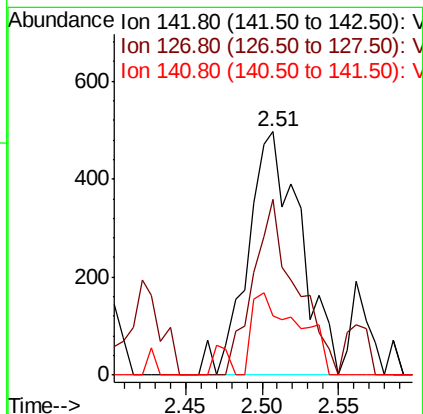
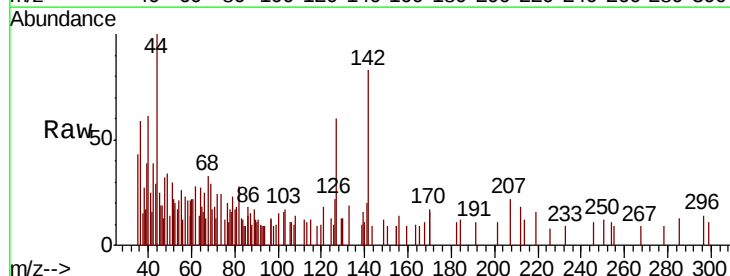
Tgt Ion: 142 Resp: 1184

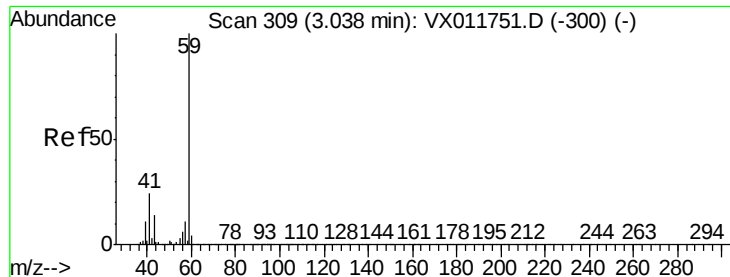
Ion Ratio Lower Upper

142 100

127 59.3 33.5 50.3#

141 30.1 11.4 17.2#

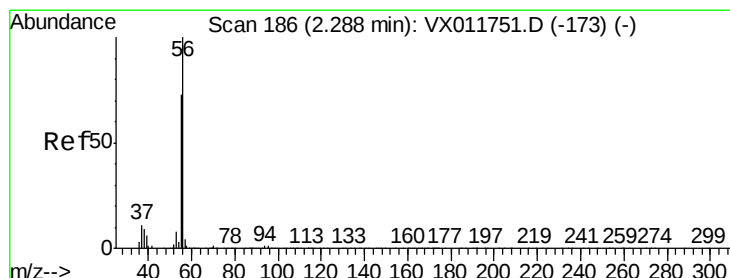
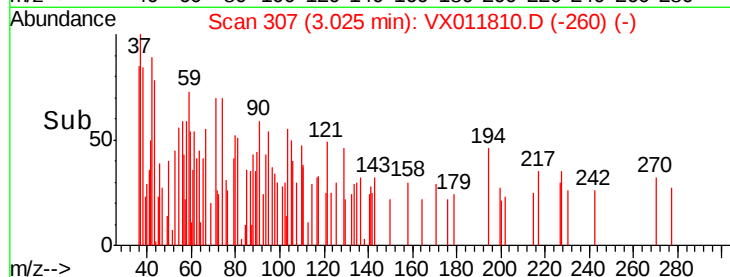
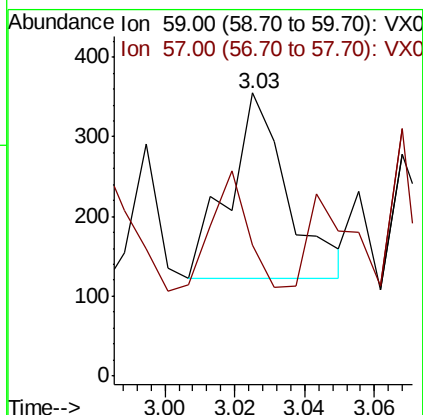
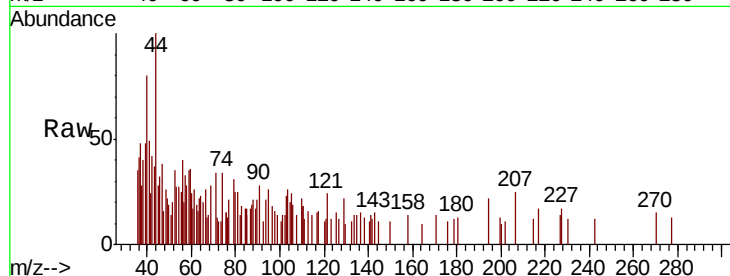




#11
Tert butyl alcohol
Concen: 0.294 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX011810.D
Acq: 23 Aug 2019 19:58

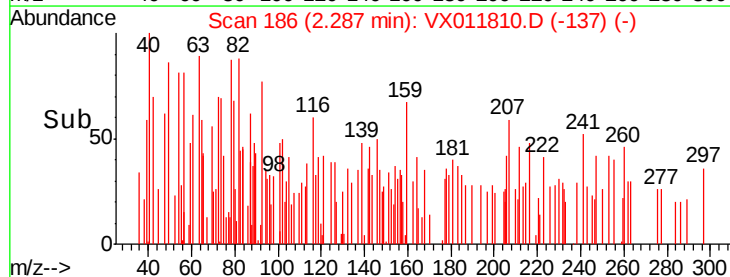
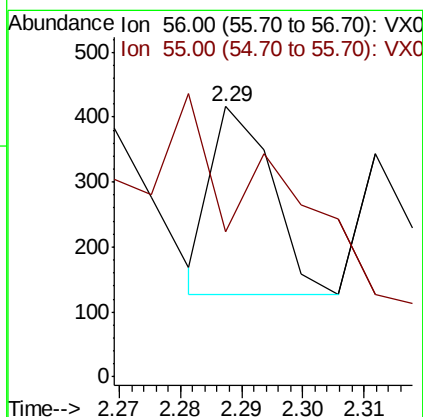
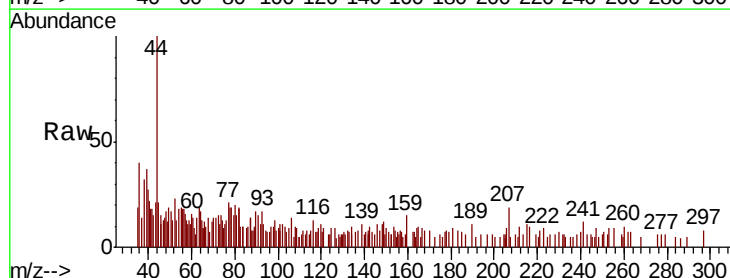
Instrument :
MSVOA_X
ClientSampled :
IBLK

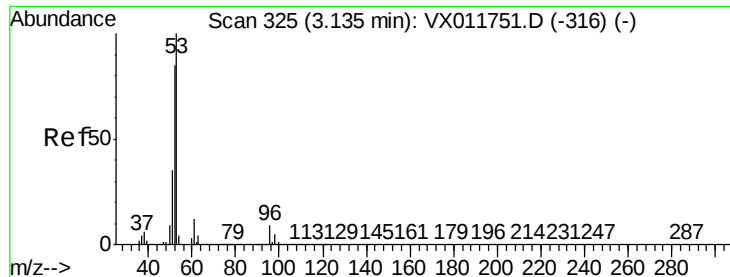
Tgt Ion: 59 Resp: 268
Ion Ratio Lower Upper
59 100
57 66.0 8.4 12.6#



#13
Acrolein
Concen: 0.567 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.00 min
Lab File: VX011810.D
Acq: 23 Aug 2019 19:58

Tgt Ion: 56 Resp: 200
Ion Ratio Lower Upper
56 100
55 292.5 54.8 82.2#





#15

Acrylonitrile

Concen: 0.258 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX011810.D

Acq: 23 Aug 2019 19:58

Instrument :

MSVOA_X

ClientSampleId :

IBLK

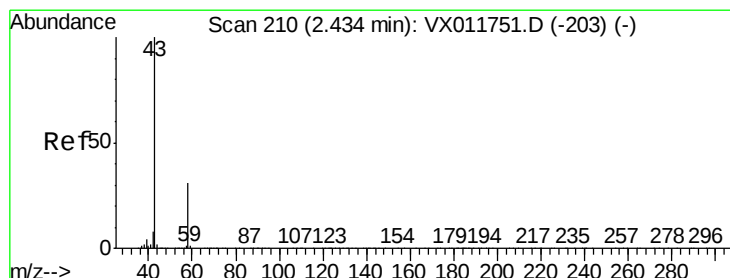
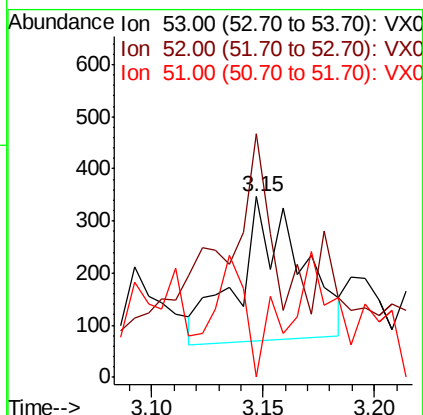
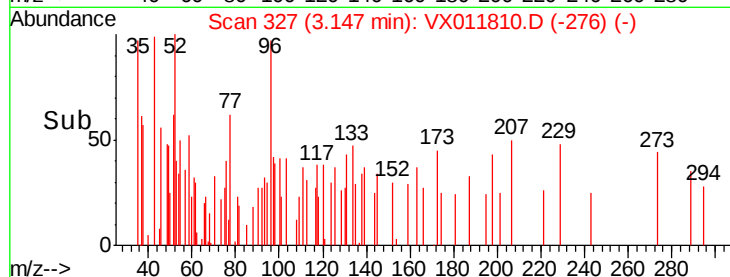
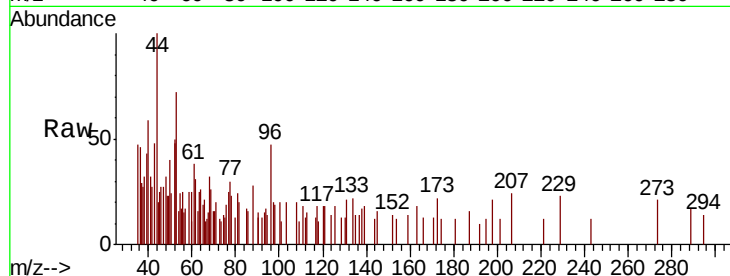
Tgt Ion: 53 Resp: 539

Ion Ratio Lower Upper

53 100

52 89.1 65.7 98.5

51 36.2 28.6 43.0



#16

Acetone

Concen: 0.552 ug/l

RT: 2.43 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX011810.D

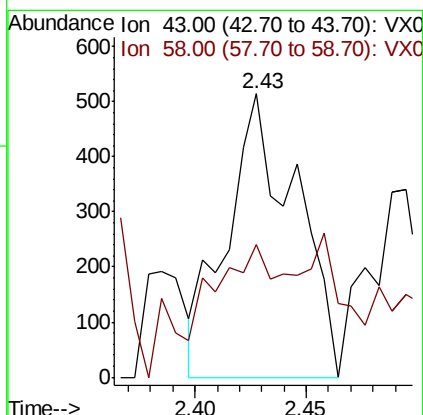
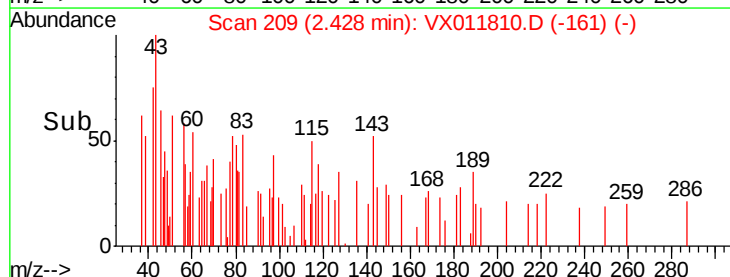
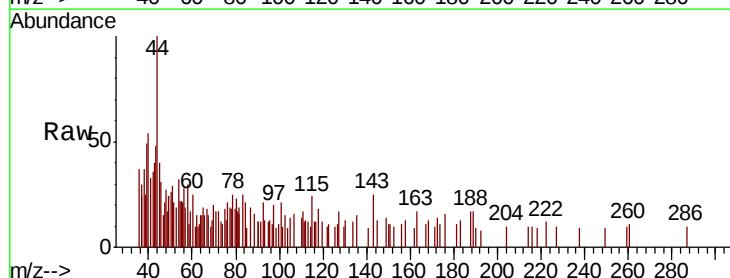
Acq: 23 Aug 2019 19:58

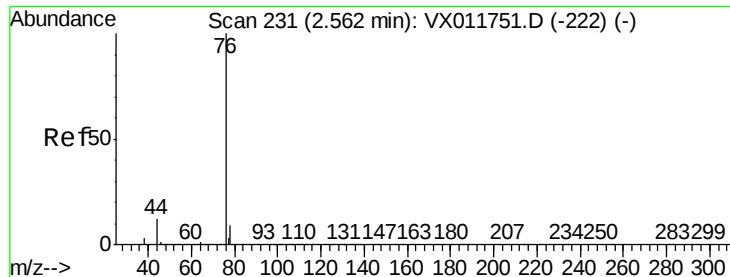
Tgt Ion: 43 Resp: 1109

Ion Ratio Lower Upper

43 100

58 34.0 24.4 36.6

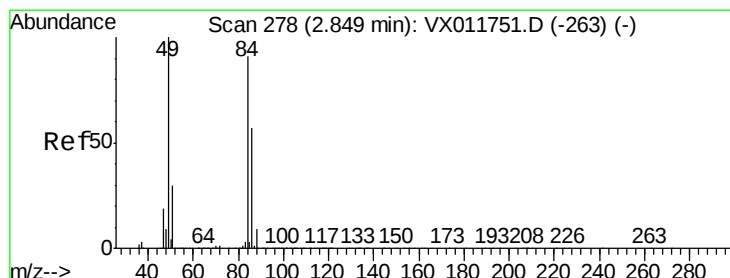
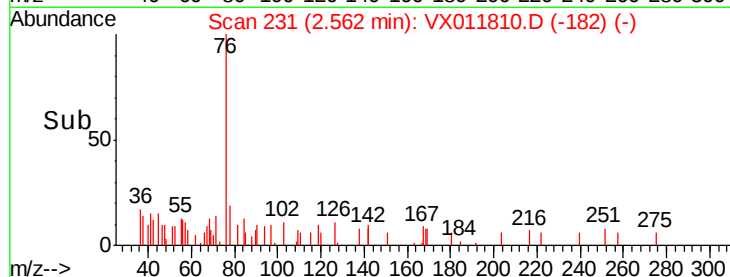
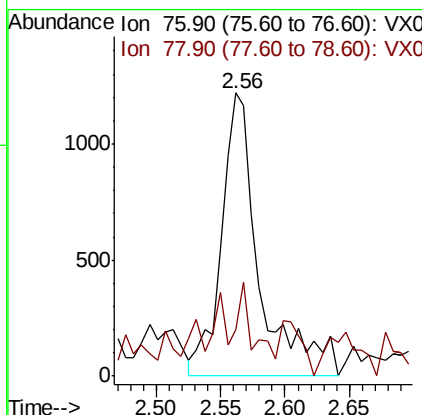
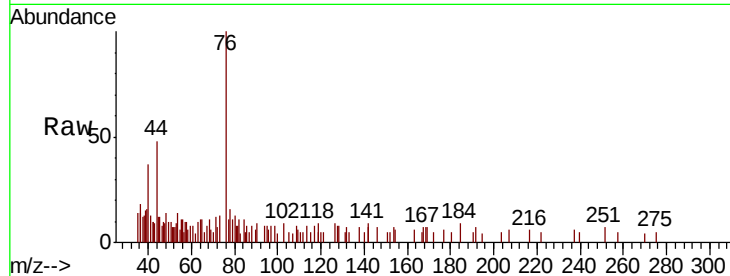




#17
Carbon Disulfide
Concen: 0.276 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.00 min
Lab File: VX011810.D
Acq: 23 Aug 2019 19:58

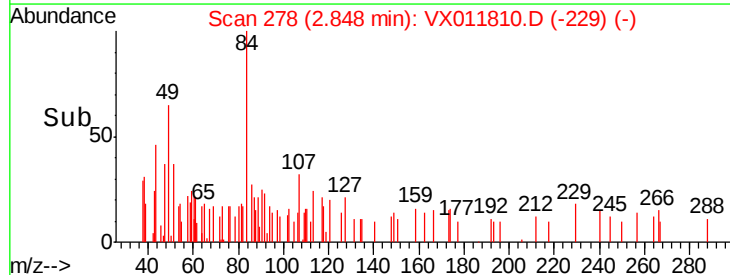
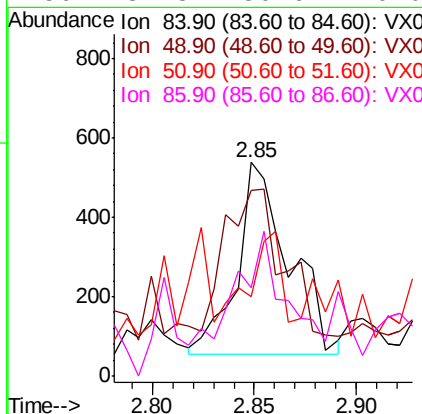
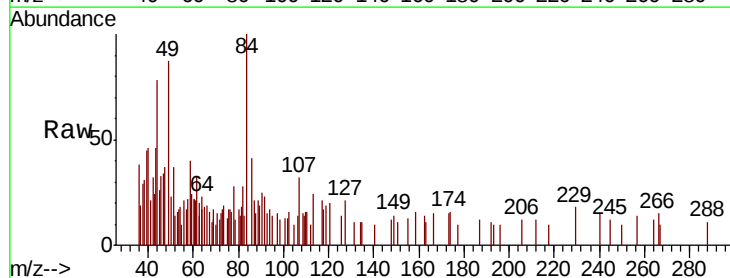
Instrument :
MSVOA_X
ClientSampled :
IBLK

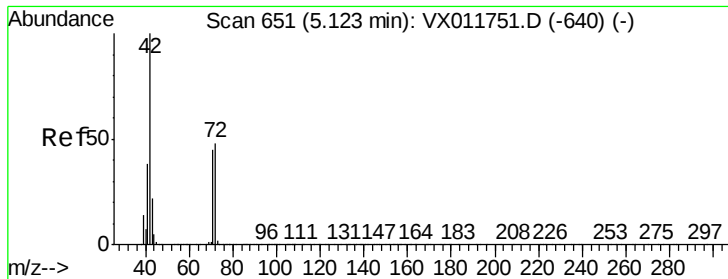
Tgt Ion: 76 Resp: 2525
Ion Ratio Lower Upper
76 100
78 4.7 7.4 11.0#



#20
Methylene Chloride
Concen: 0.209 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011810.D
Acq: 23 Aug 2019 19:58

Tgt Ion: 84 Resp: 860
Ion Ratio Lower Upper
84 100
49 79.2 88.3 132.5#
51 0.0 26.2 39.2#
86 31.3 50.6 76.0#





#29

Tetrahydrofuran

Concen: 0.212 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.27 min

Lab File: VX011810.D

Acq: 23 Aug 2019 19:58

Instrument :

MSVOA_X

ClientSampleId :

IBLK

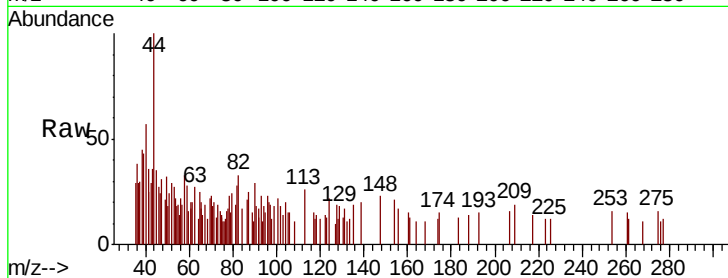
Tgt Ion: 42 Resp: 391

Ion Ratio Lower Upper

42 100

72 46.8 37.6 56.4

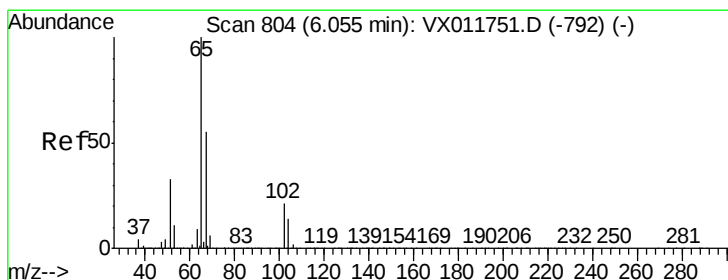
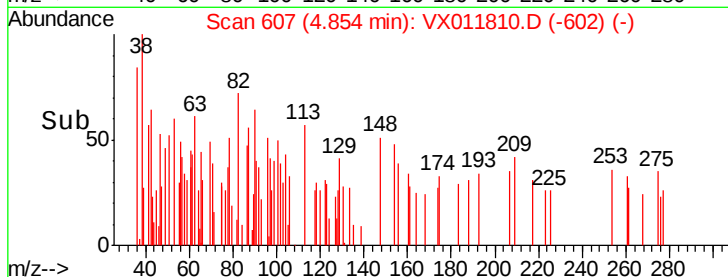
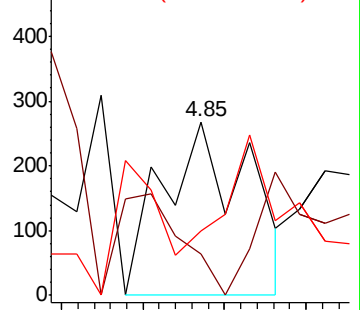
71 42.2 34.6 51.8



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



#33

1,2-Dichloroethane-d4

Concen: 42.792 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011810.D

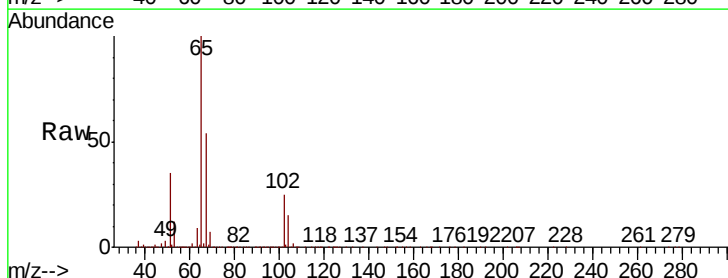
Acq: 23 Aug 2019 19:58

Tgt Ion: 65 Resp: 197577

Ion Ratio Lower Upper

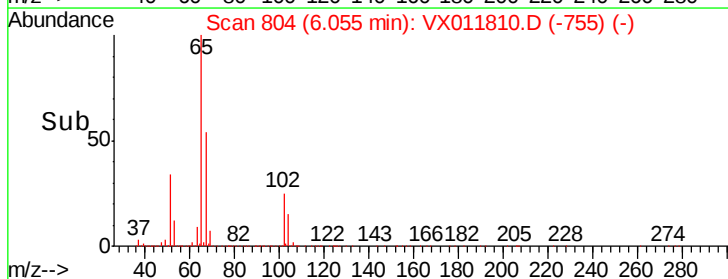
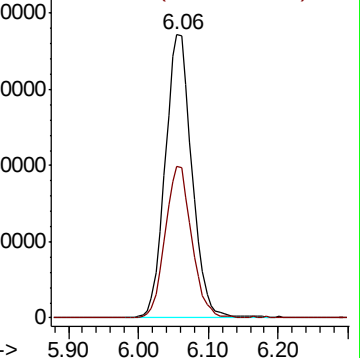
65 100

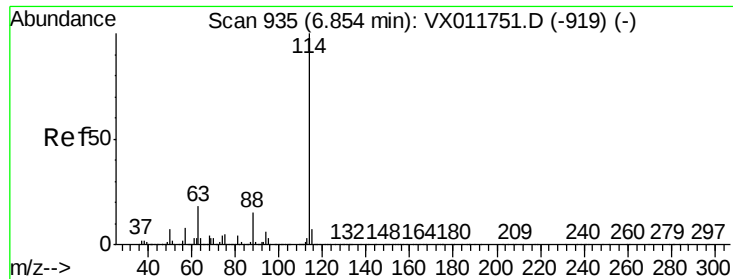
67 52.5 0.0 107.8



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: VX011810.D

Acq: 23 Aug 2019 19:58

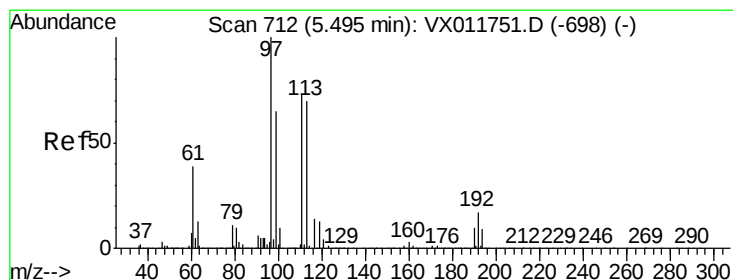
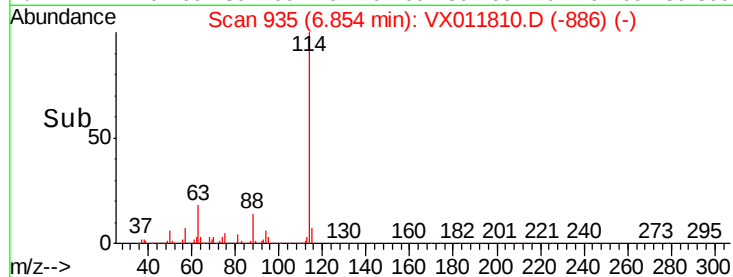
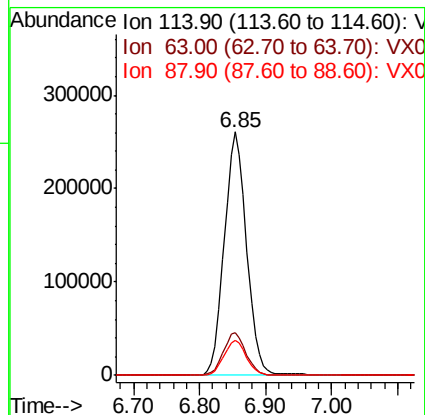
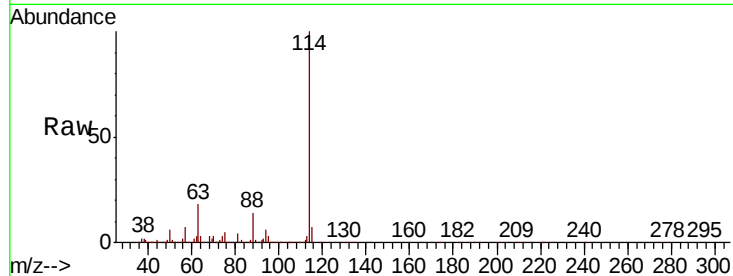
Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion:	114	Resp:	609988
Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	36.8
88	14.3	0.0	30.2



#35

Dibromofluoromethane

Concen: 45.147 ug/l

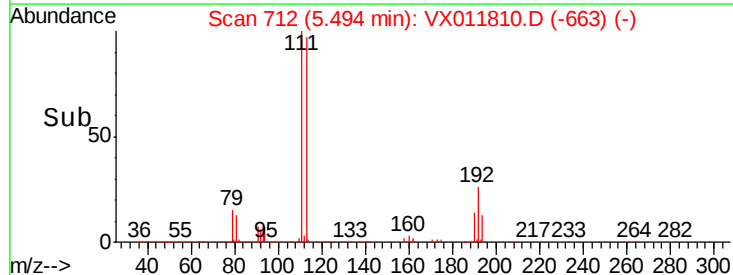
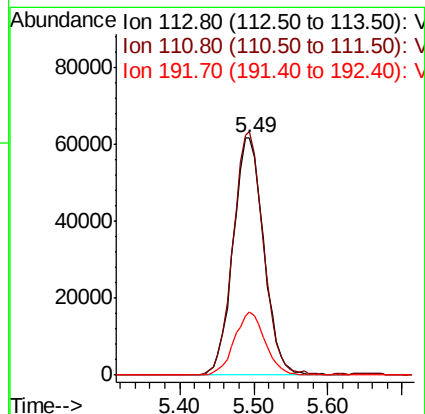
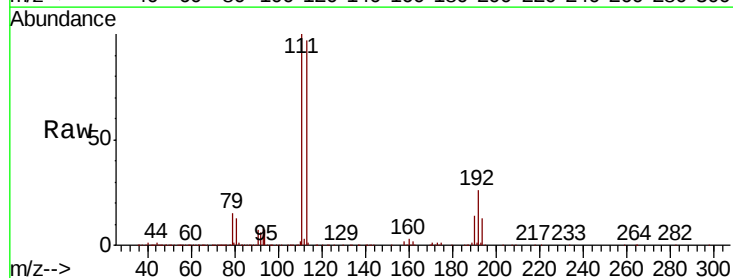
RT: 5.49 min Scan# 712

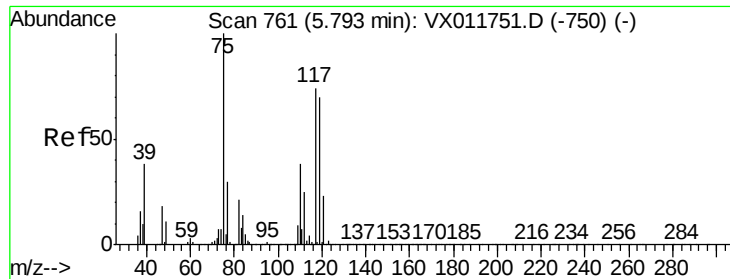
Delta R.T. -0.00 min

Lab File: VX011810.D

Acq: 23 Aug 2019 19:58

Tgt Ion:	113	Resp:	178080
Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.0	121.4
192	26.7	19.9	29.9





#36

1,1-Dichloropropene

Concen: 5.101 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011810.D

Acq: 23 Aug 2019 19:58

Instrument :

MSVOA_X

ClientSampleId :

IBLK

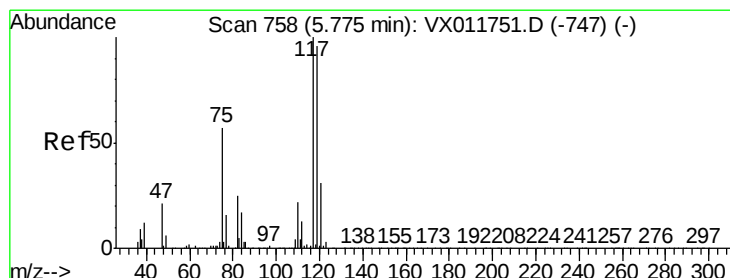
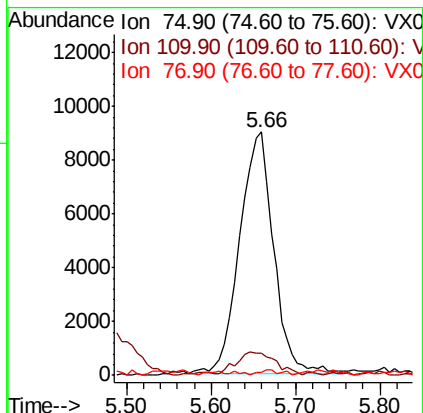
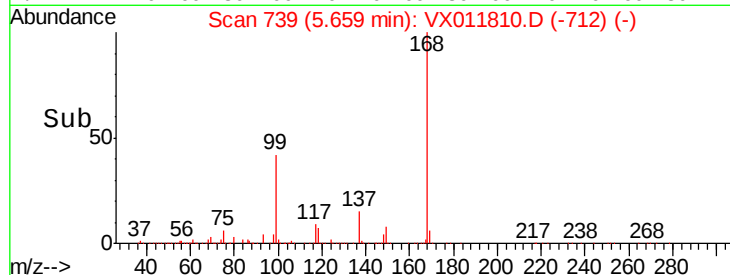
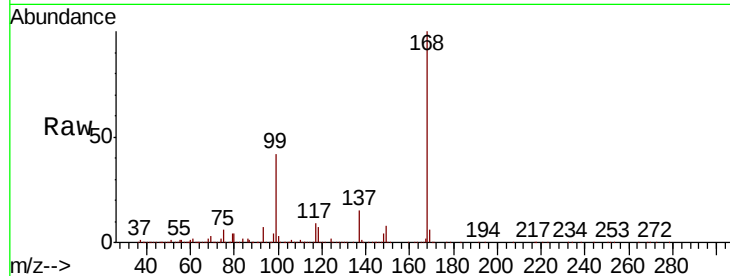
Tgt Ion: 75 Resp: 24401

Ion Ratio Lower Upper

75 100

110 0.0 19.0 57.0#

77 1.5 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.733 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX011810.D

Acq: 23 Aug 2019 19:58

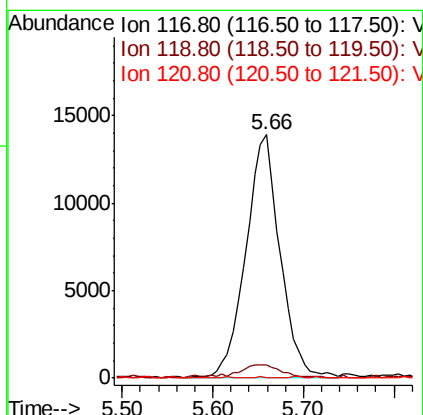
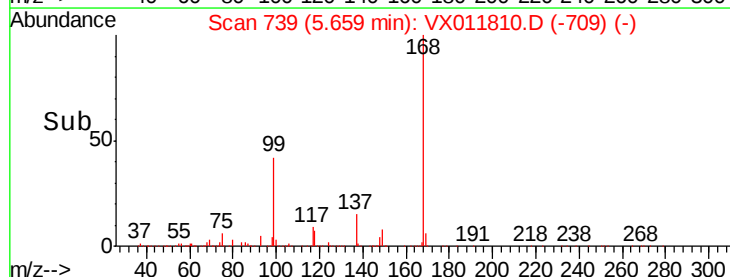
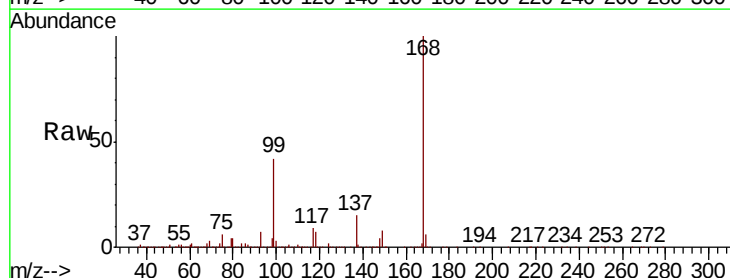
Tgt Ion: 117 Resp: 36497

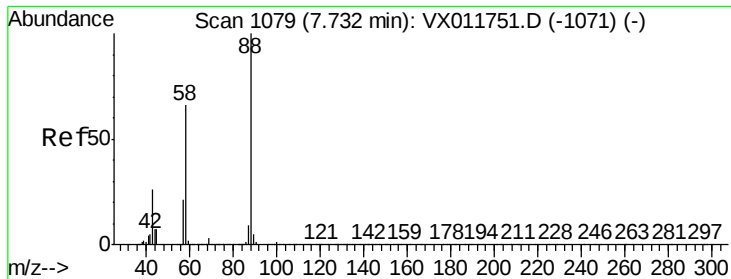
Ion Ratio Lower Upper

117 100

119 5.1 76.6 114.8#

121 0.4 25.2 37.8#

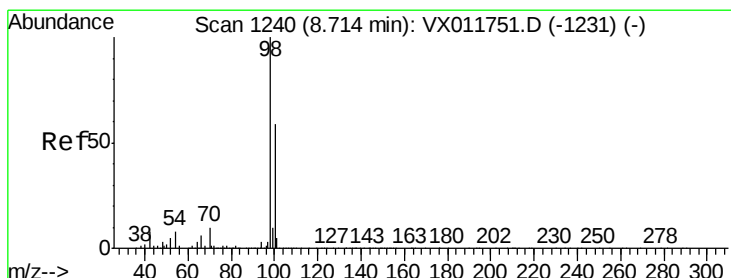
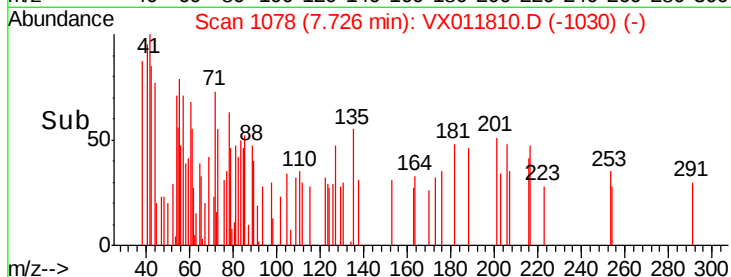
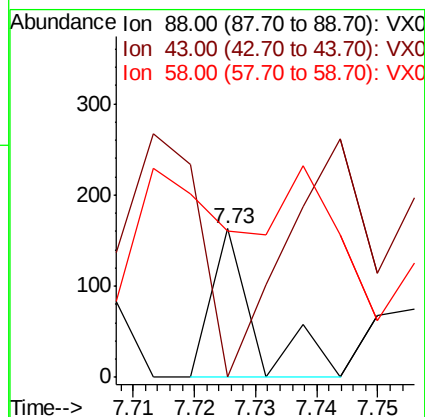
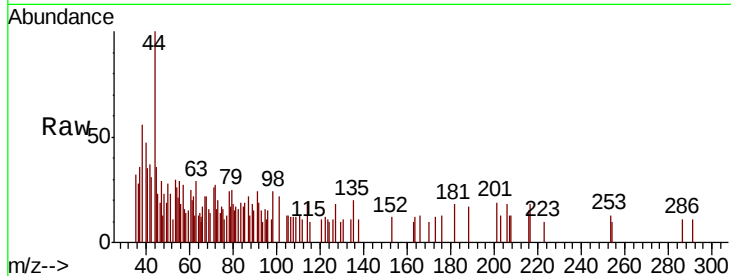




#49
1,4-Dioxane
Concen: 0.717 ug/l
RT: 7.73 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VX011810.D
Acq: 23 Aug 2019 19:58

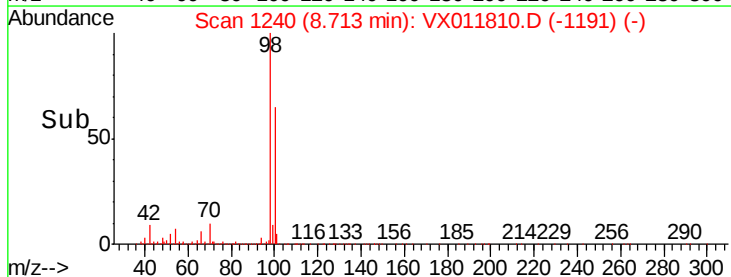
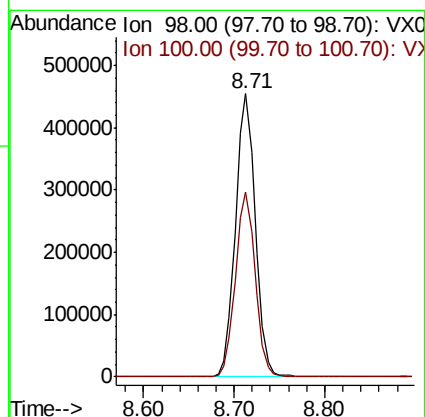
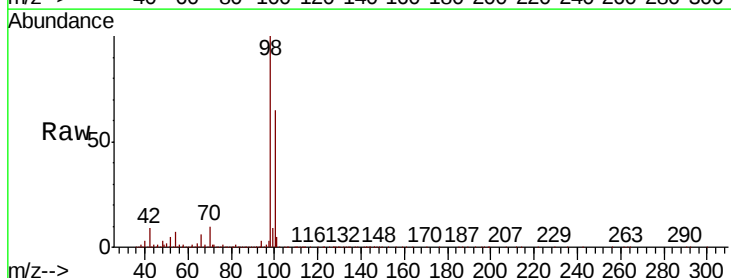
Instrument :
MSVOA_X
ClientSampleId :
IBLK

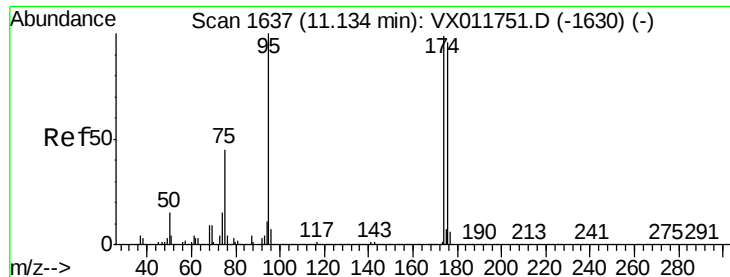
Tgt Ion: 88 Resp: 81
Ion Ratio Lower Upper
88 100
43 287.7 24.6 37.0#
58 253.1 51.4 77.2#



#50
Toluene-d8
Concen: 50.333 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011810.D
Acq: 23 Aug 2019 19:58

Tgt Ion: 98 Resp: 692498
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 45.286 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011810.D

Acq: 23 Aug 2019 19:58

Instrument :

MSVOA_X

ClientSampleId :

IBLK

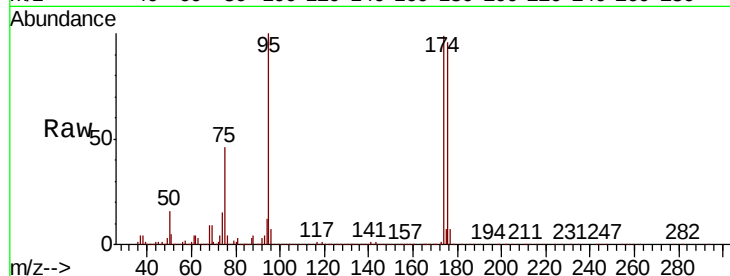
Tgt Ion: 95 Resp: 246269

Ion Ratio Lower Upper

95 100

174 99.9 0.0 197.4

176 97.5 0.0 194.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0

250000

200000

150000

100000

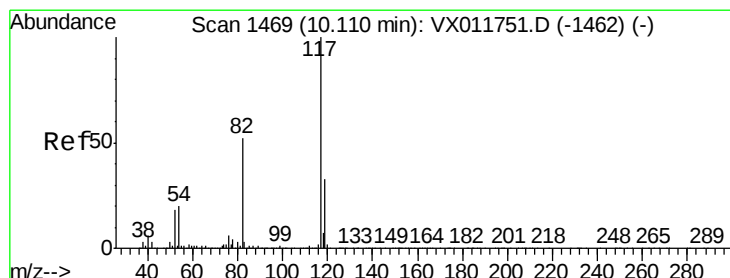
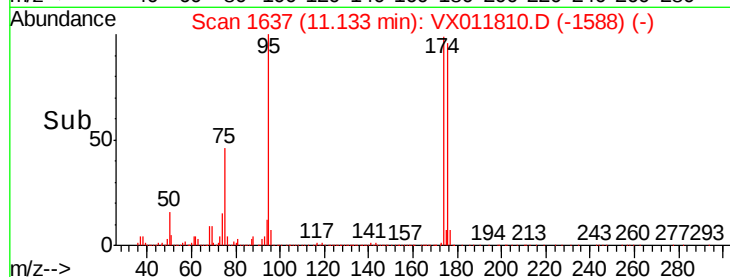
50000

0

11.13

11.10 11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011810.D

Acq: 23 Aug 2019 19:58

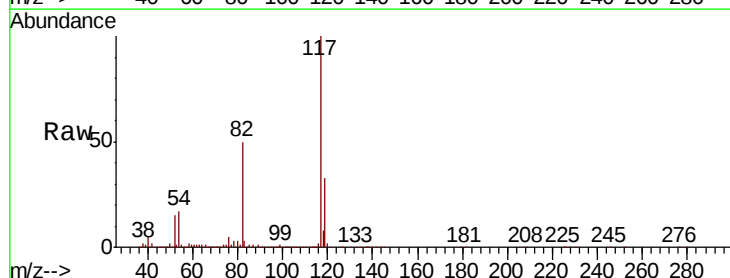
Tgt Ion: 117 Resp: 542004

Ion Ratio Lower Upper

117 100

82 49.6 41.7 62.5

119 33.2 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0

500000

400000

300000

200000

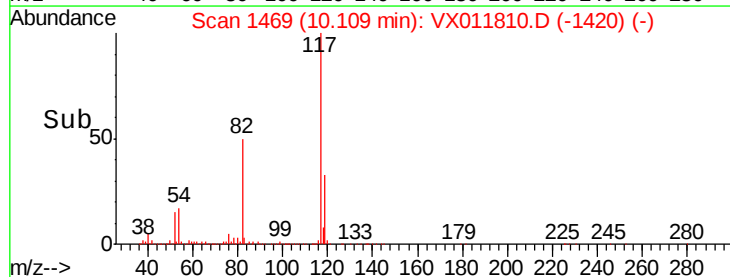
100000

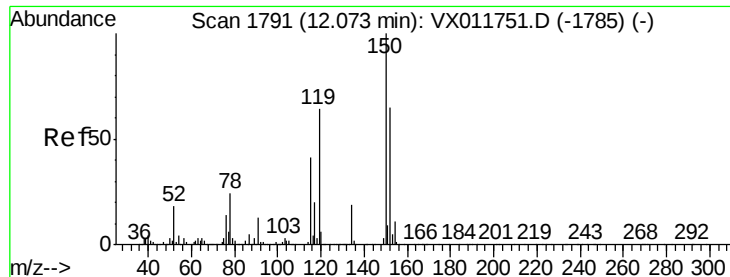
0

10.11

10.00 10.20

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX011810.D

Acq: 23 Aug 2019 19:58

Instrument :

MSVOA_X

ClientSampleId :

IBLK

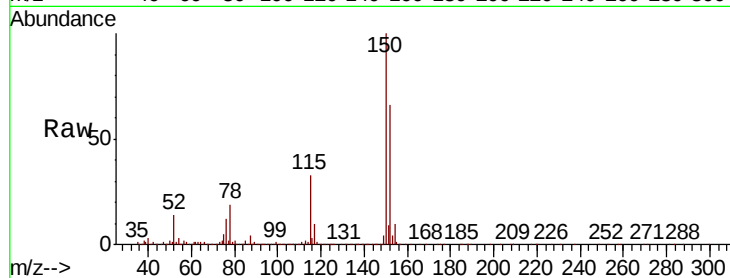
Tgt Ion: 152 Resp: 274064

Ion Ratio Lower Upper

152 100

115 52.5 37.3 111.8

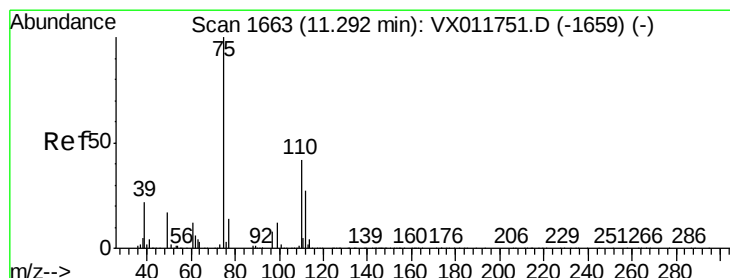
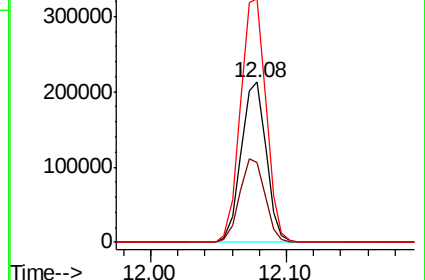
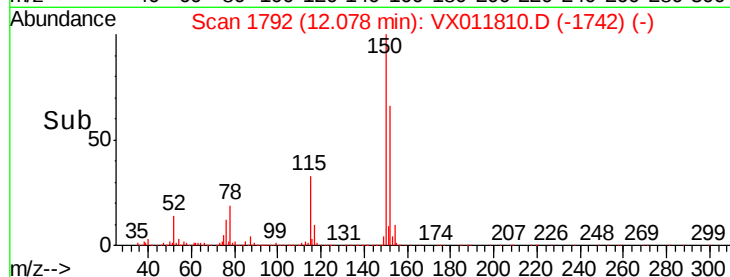
150 155.0 0.0 343.0



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: 23.547 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011810.D

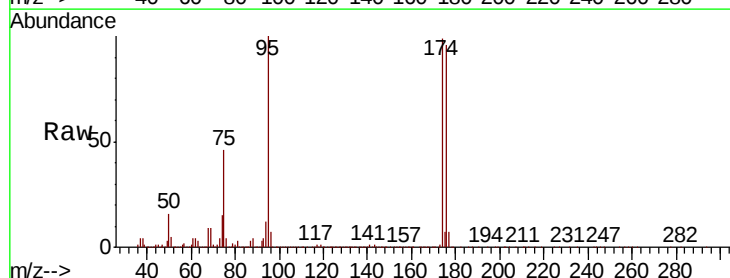
Acq: 23 Aug 2019 19:58

Tgt Ion: 75 Resp: 113239

Ion Ratio Lower Upper

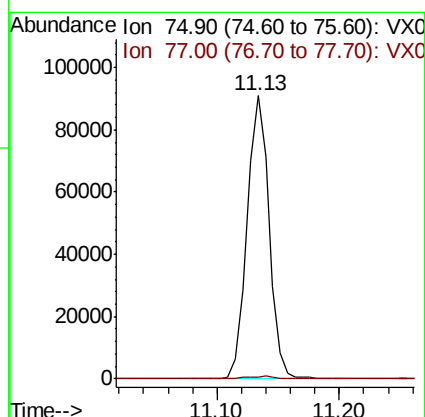
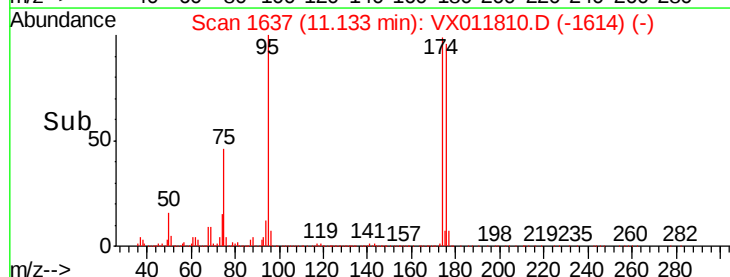
75 100

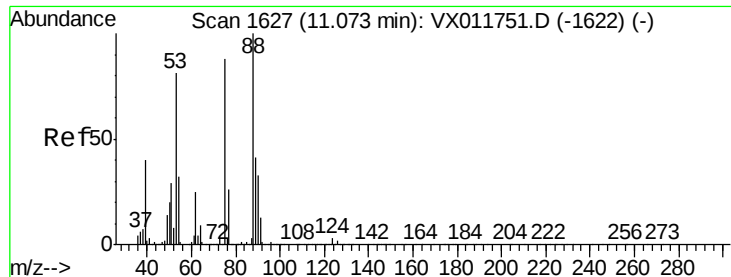
77 1.6 21.1 63.3#



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: 71.014 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011810.D

Acq: 23 Aug 2019 19:58

Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion: 75 Resp: 113239

Ion Ratio Lower Upper

75 100

53 0.0 77.1 115.7#

89 0.2 38.5 57.7#

