

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121918\
 Data File : VX006638.D
 Acq On : 19 Dec 2018 15:51
 Operator : JC/MD
 Sample : J6479-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Dec 20 04:02:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	645006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1012714	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	923136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	435250	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	348447	50.12	ug/l	0.00
Spiked Amount			Recovery	=	100.24%	
35) Dibromofluoromethane	5.50	113	308634	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
50) Toluene-d8	8.71	98	1199996	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.13	95	431690	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	

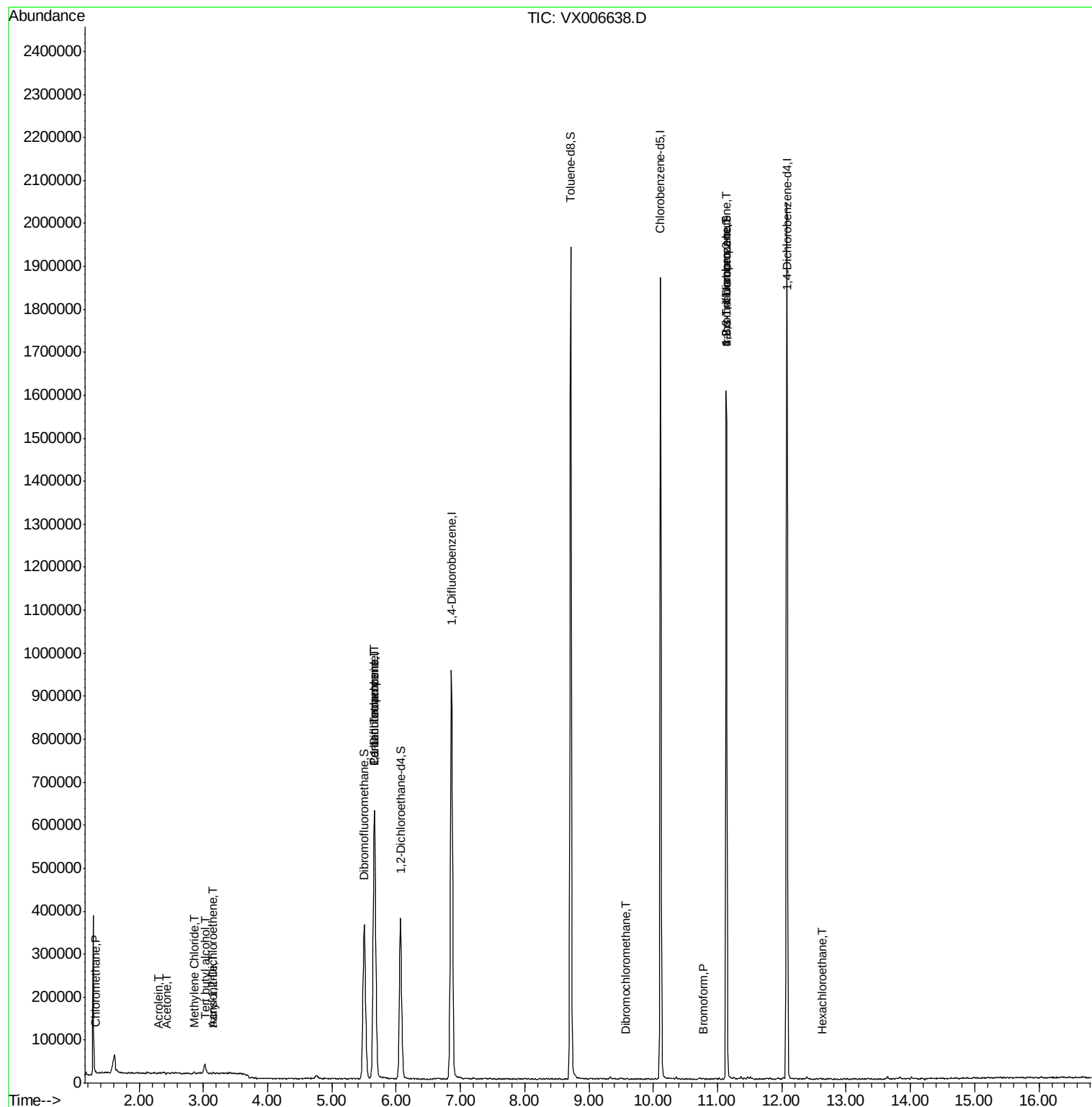
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1367	0.215	ug/l #	70
5) Bromomethane	1.64	94	2046	Below Cal		83
11) Tert butyl alcohol	3.02	59	14940	9.630	ug/l #	76
13) Acrolein	2.29	56	333	0.318	ug/l #	13
15) Acrylonitrile	3.14	53	1365	0.396	ug/l #	86
16) Acetone	2.44	43	2753	0.862	ug/l #	73
20) Methylene Chloride	2.86	84	2359	0.357	ug/l #	77
21) trans-1,2-Dichloroethene	3.15	96	1348	0.211	ug/l #	61
28) Bromochloromethane	5.01	49	729	Below Cal	#	45
36) 1,1-Dichloropropene	5.67	75	42831	5.106	ug/l #	50
38) Carbon Tetrachloride	5.66	117	61030	7.487	ug/l #	14
49) 1,4-Dioxane	7.72	88	42	Below Cal	#	1
60) Dibromochloromethane	9.58	129	225	2.355	ug/l #	10
71) Bromoform	10.78	173	107	4.478	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	200744	24.818	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	200744	73.366	ug/l #	10
90) Hexachloroethane	12.63	117	82	3.312	ug/l	65

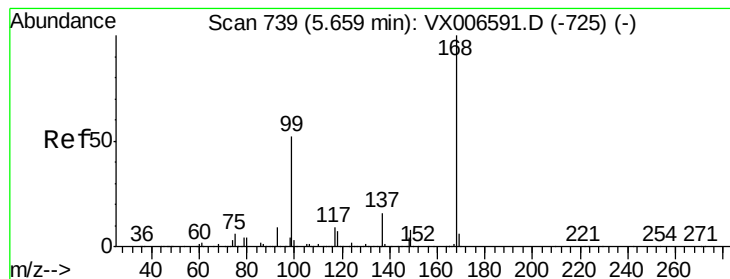
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX006638.D

Acq: 19 Dec 2018 15:51

Instrument :

MSVOA_X

ClientSampleId :

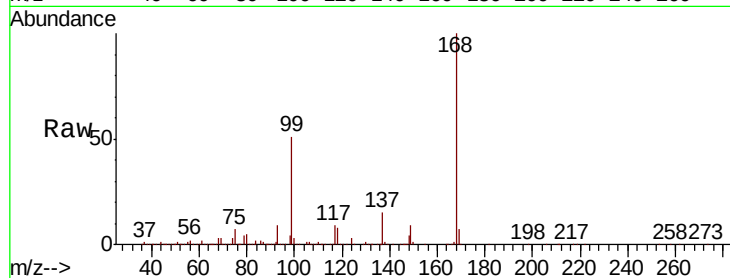
TRIP-BLANK

Tot Ion:168 Resp: 645006

Ion Ratio Lower Upper

168 100

99 51.3 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

250000

200000

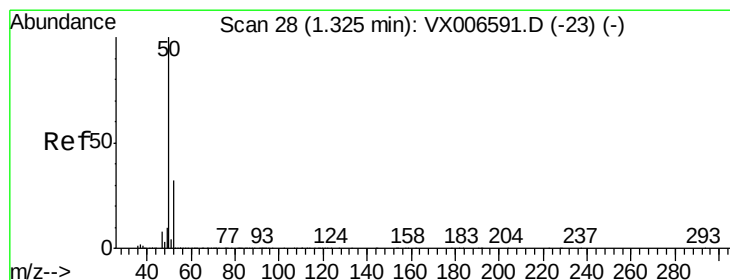
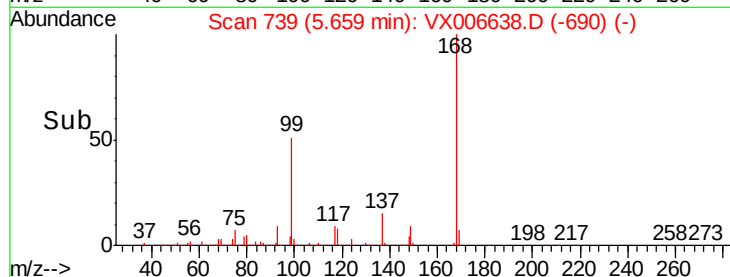
150000

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: VX006638.D

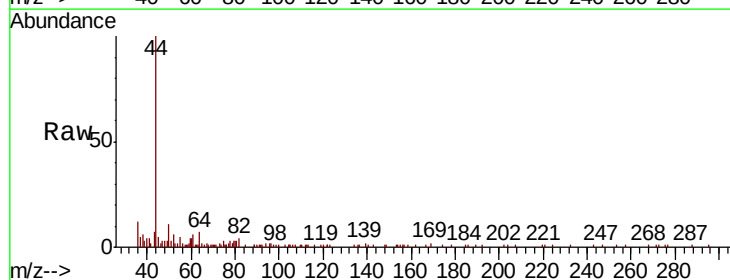
Acq: 19 Dec 2018 15:51

Tgt Ion: 50 Resp: 1367

Ion Ratio Lower Upper

50 100

52 48.7 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

1000

800

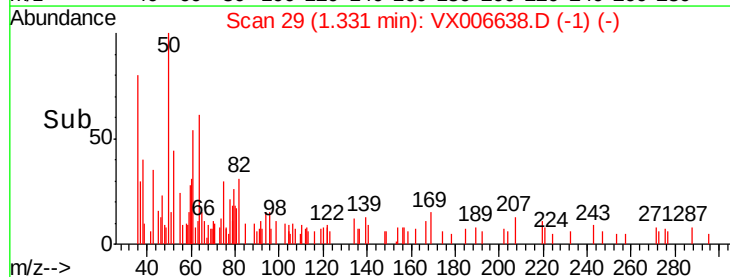
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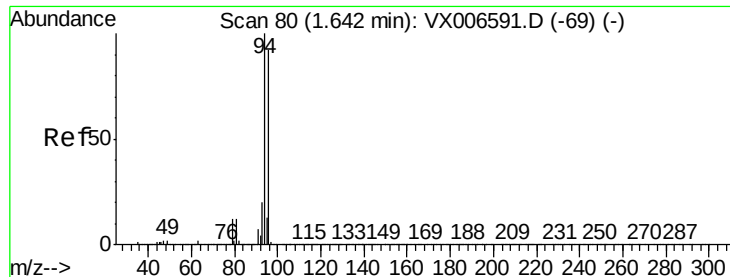
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006638.D

Acq: 19 Dec 2018 15:51

Instrument :

MSVOA_X

ClientSampleId :

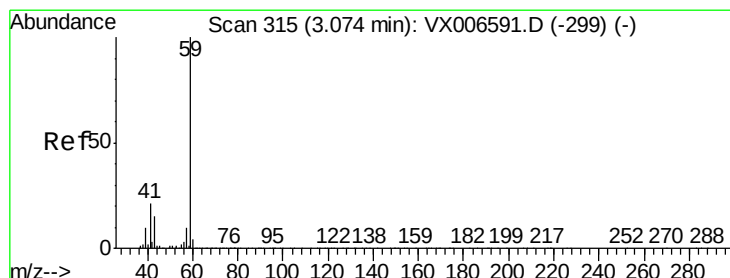
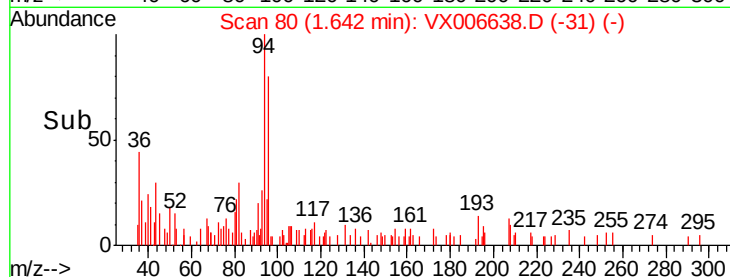
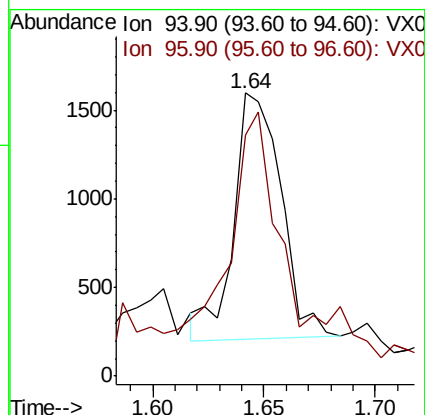
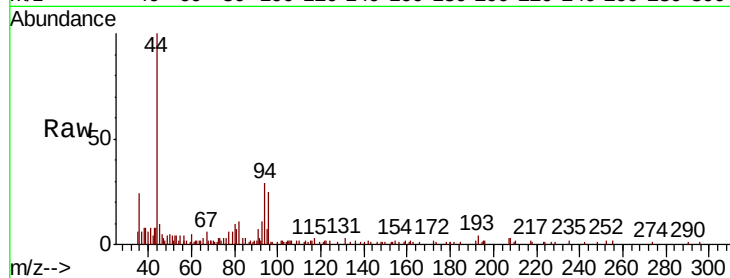
TRIP-BLANK

Tot Ion: 94 Resp: 2046

Ion Ratio Lower Upper

94 100

96 75.9 73.4 110.2



#11

Tert butyl alcohol

Concen: 9.630 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.05 min

Lab File: VX006638.D

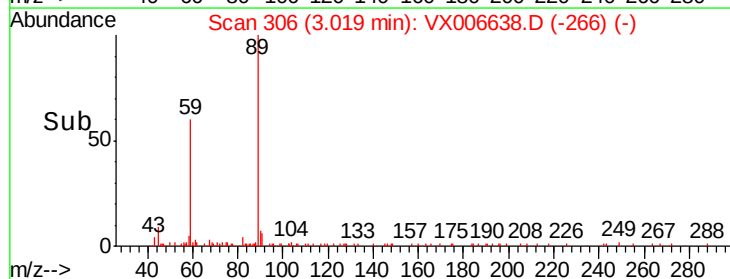
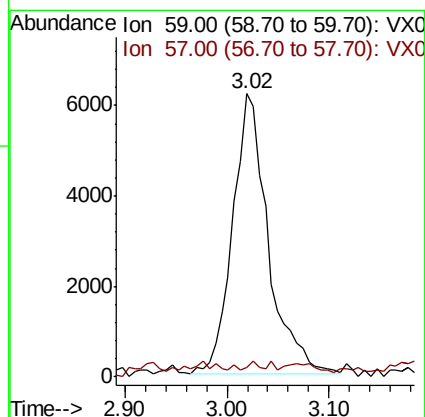
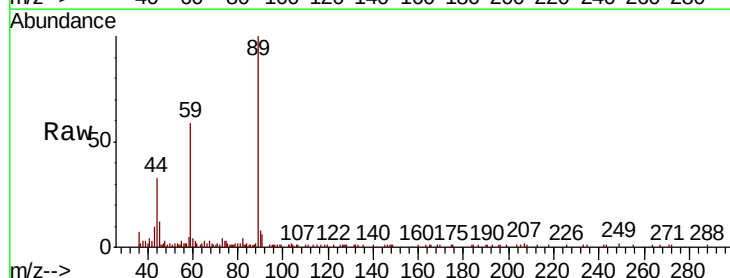
Acq: 19 Dec 2018 15:51

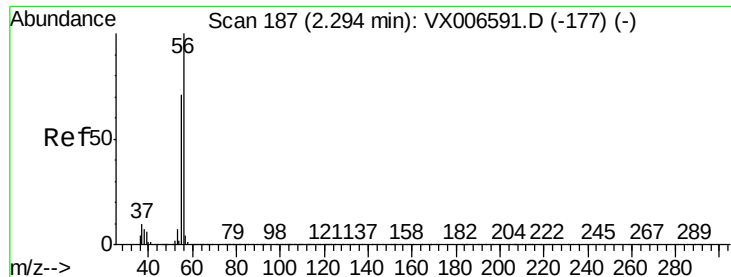
Tgt Ion: 59 Resp: 14940

Ion Ratio Lower Upper

59 100

57 1.8 8.5 12.7#





#13

Acrolein

Concen: 0.318 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX006638.D

Acq: 19 Dec 2018 15:51

Instrument :

MSVOA_X

ClientSampled :

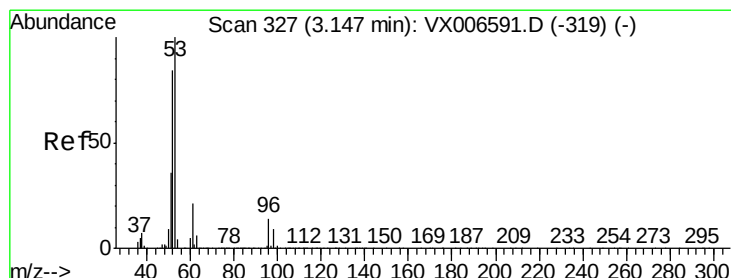
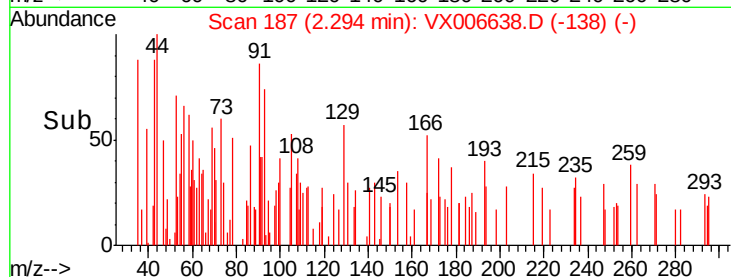
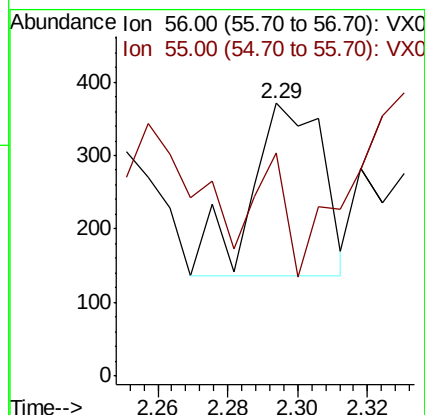
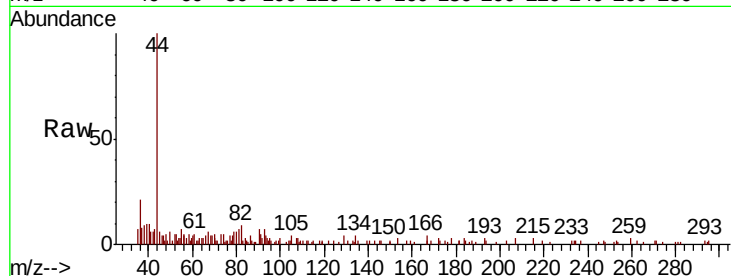
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Tot Ion: 56 Resp: 333

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.4#



#15

Acrylonitrile

Concen: 0.396 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX006638.D

Acq: 19 Dec 2018 15:51

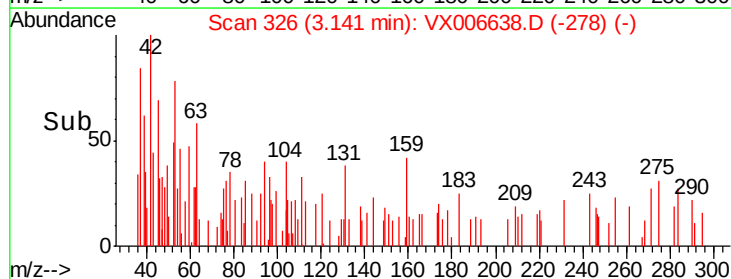
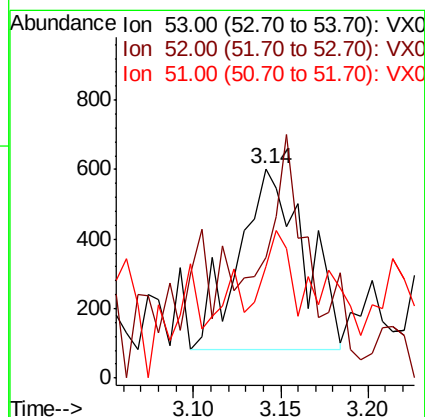
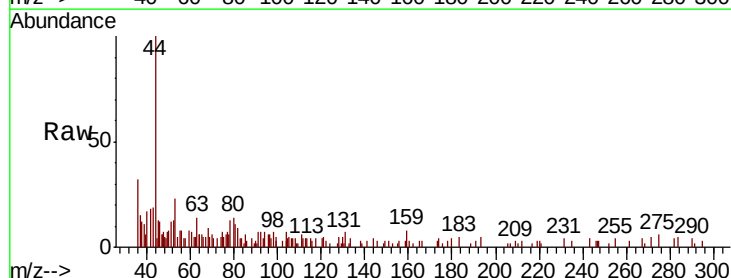
Tgt Ion: 53 Resp: 1365

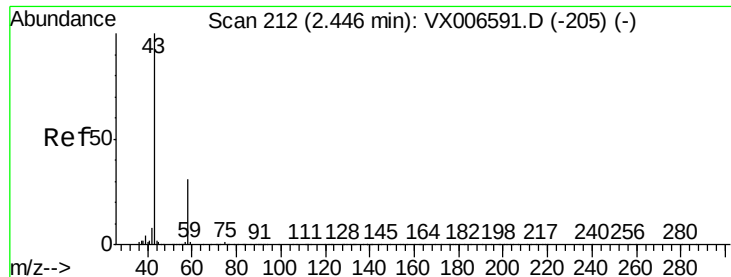
Ion Ratio Lower Upper

53 100

52 76.6 66.0 99.0

51 17.5 28.6 42.8#

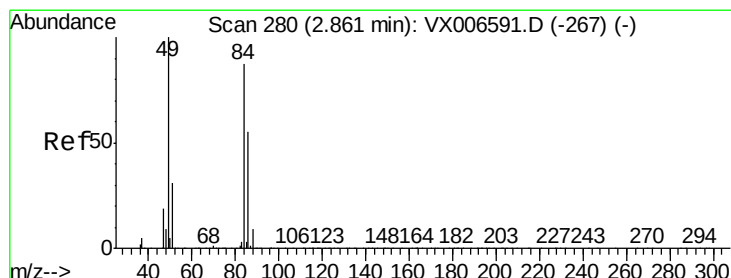
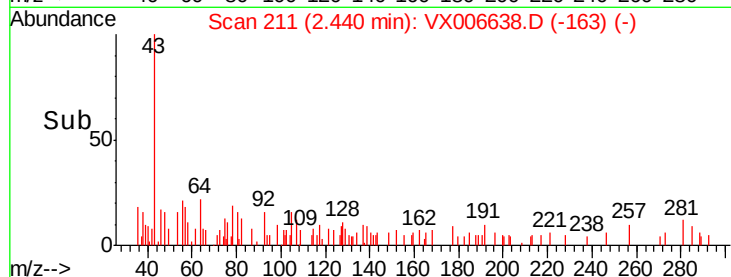
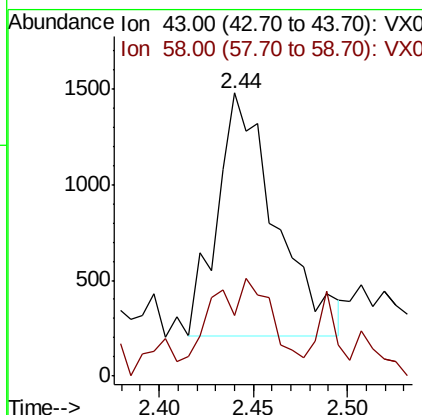
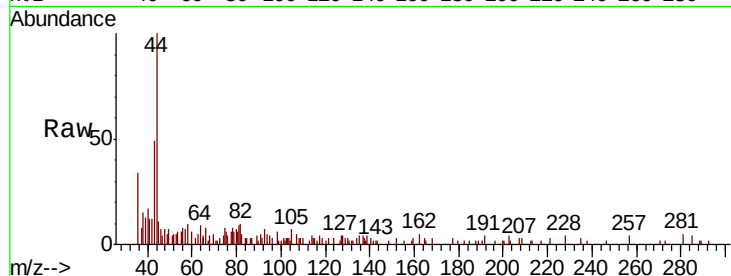




#16
Acetone
Concen: 0.862 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX006638.D
Acq: 19 Dec 2018 15:51

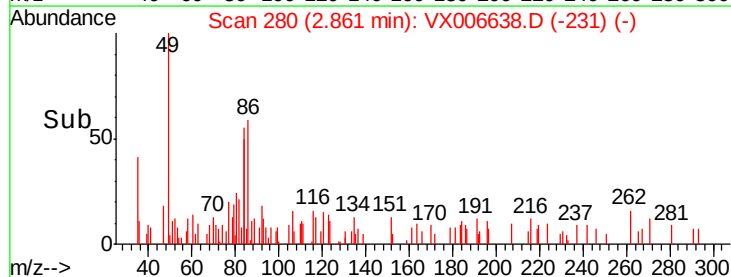
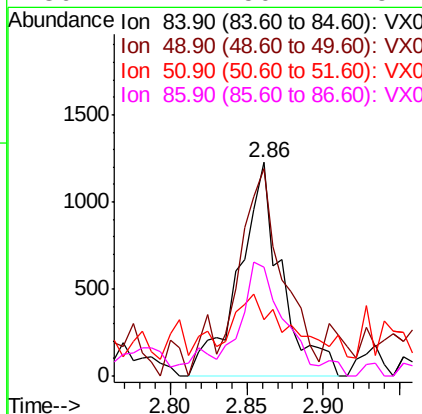
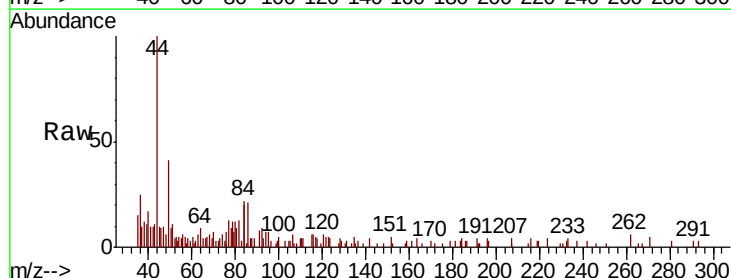
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MSVOA_X
ClientSampleId :
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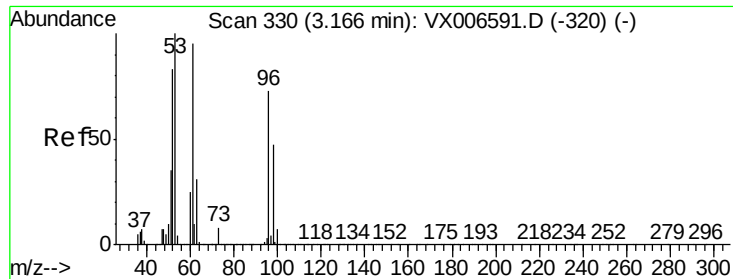
Tot Ion: 43 Resp: 2753
Ion Ratio Lower Upper
43 100
58 16.7 25.0 37.6#



#20
Methylene Chloride
Concen: 0.357 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006638.D
Acq: 19 Dec 2018 15:51

Tgt Ion: 84 Resp: 2359
Ion Ratio Lower Upper
84 100
49 97.2 91.8 137.6
51 8.7 28.5 42.7#
86 44.7 50.2 75.2#





#21

trans-1,2-Dichloroethene

Concen: 0.211 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX006638.D

Acq: 19 Dec 2018 15:51

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

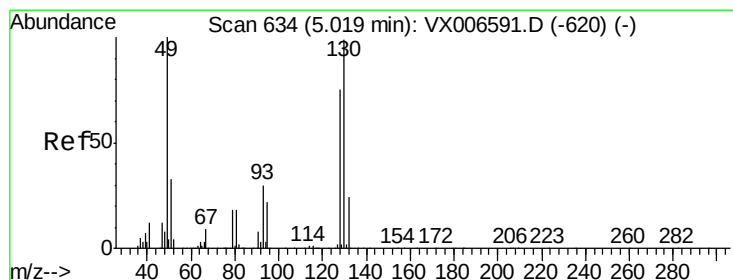
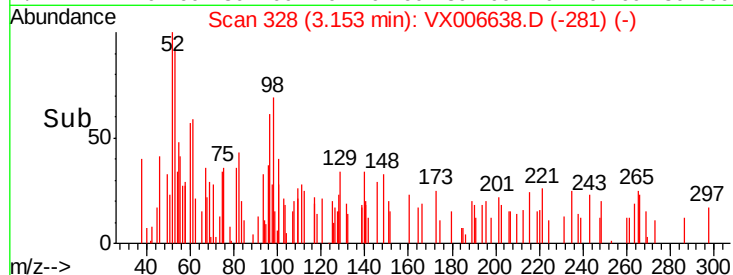
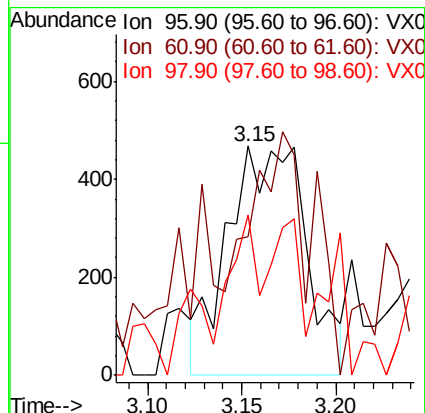
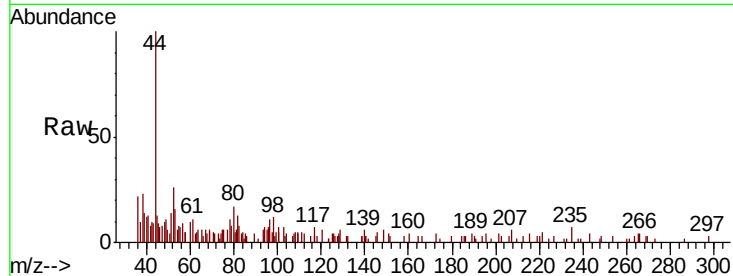
Tot Ion: 96 Resp: 1348

Ion Ratio Lower Upper

96 100

61 77.9 103.7 155.5#

98 41.4 51.0 76.6#



#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX006638.D

Acq: 19 Dec 2018 15:51

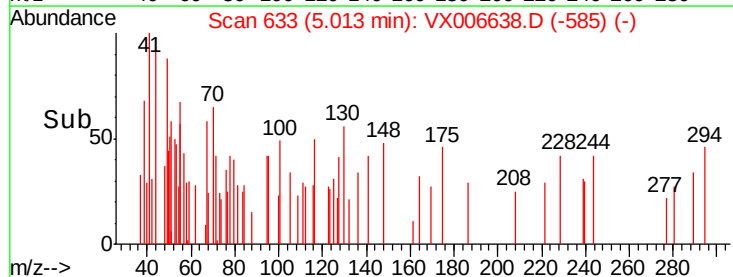
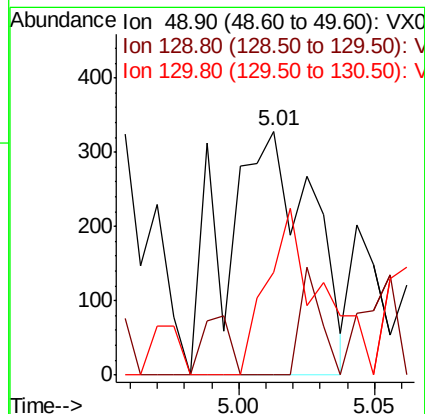
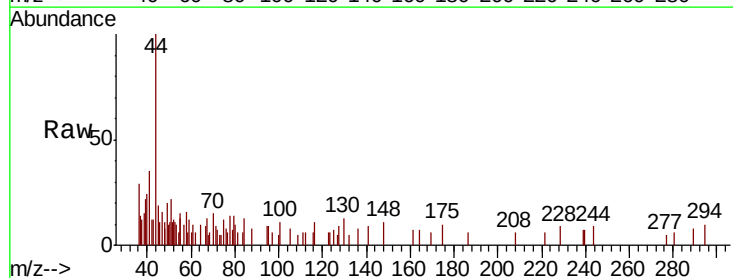
Tgt Ion: 49 Resp: 729

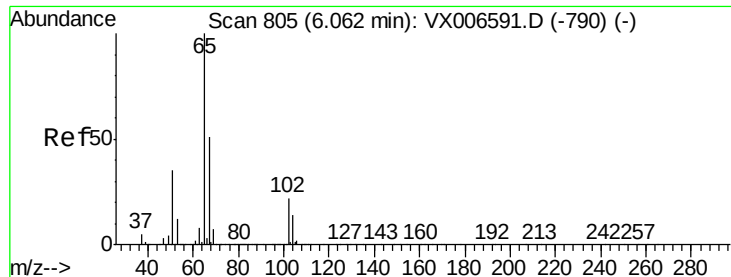
Ion Ratio Lower Upper

49 100

129 10.7 0.0 5.4#

130 42.2 77.7 116.5#

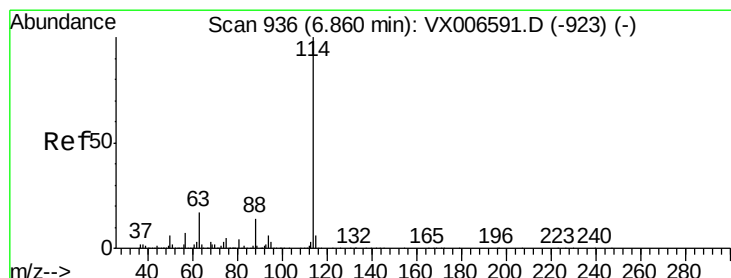
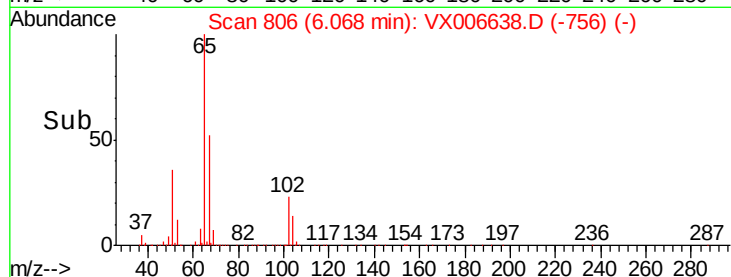
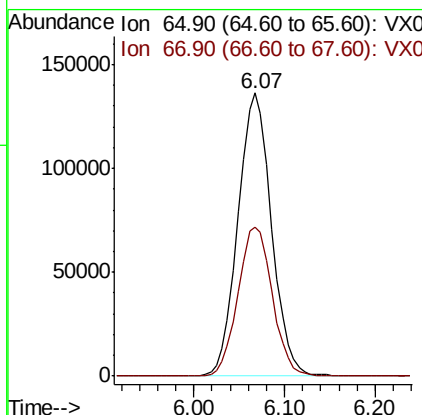
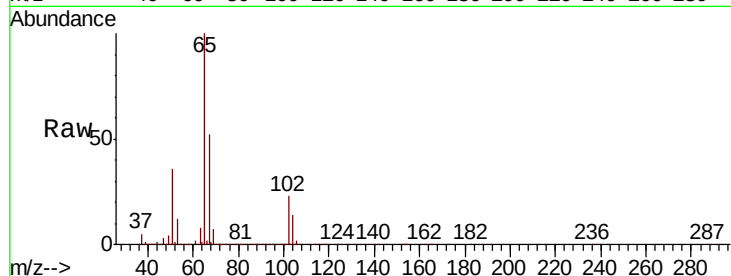




#33
 1,2-Dichloroethane-d4
 Concen: 50.125 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006638.D
 Acq: 19 Dec 2018 15:51

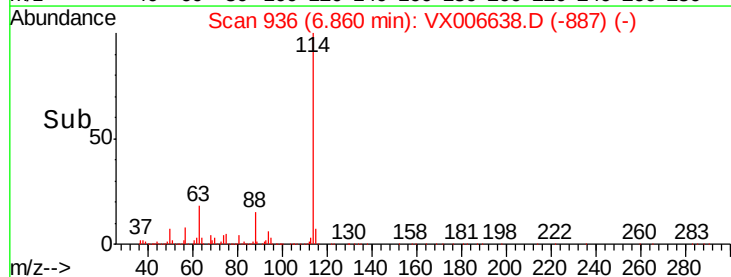
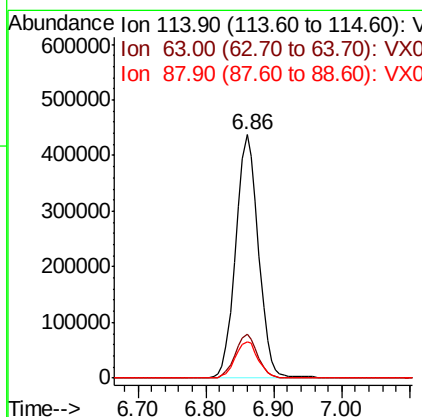
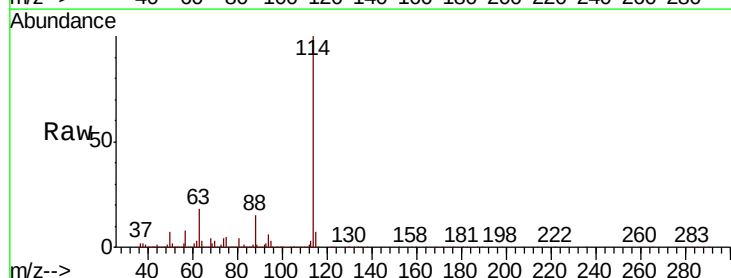
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 MSVOA_X
 ClientSampleId :
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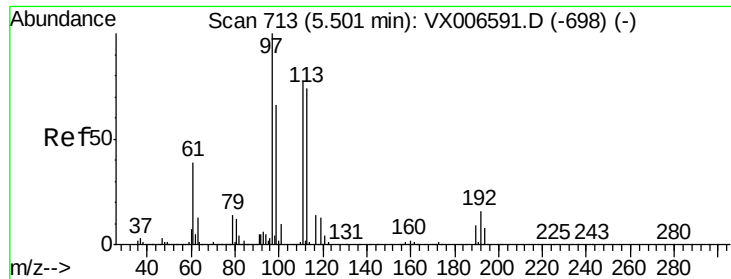
Tot Ion: 65 Resp: 348447
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006638.D
 Acq: 19 Dec 2018 15:51

Tgt Ion: 114 Resp: 1012714
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 34.8
 88 14.9 0.0 28.8





#35

Dibromofluoromethane

Concen: 48.192 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006638.D

Acq: 19 Dec 2018 15:51

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

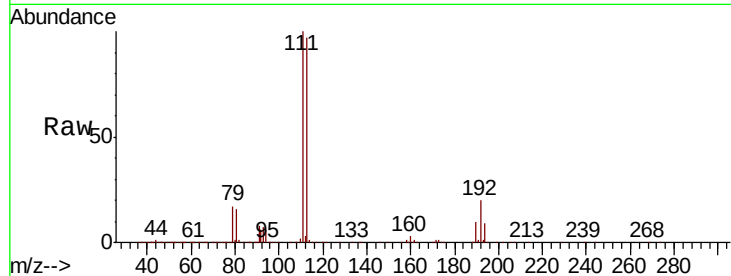
Tot Ion:113 Resp: 308634

Ion Ratio Lower Upper

113 100

111 102.6 81.6 122.4

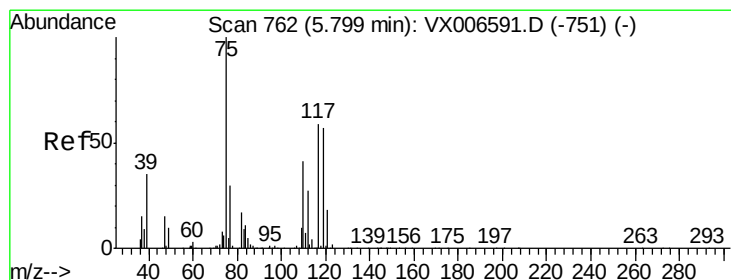
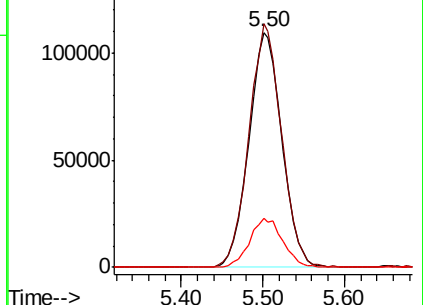
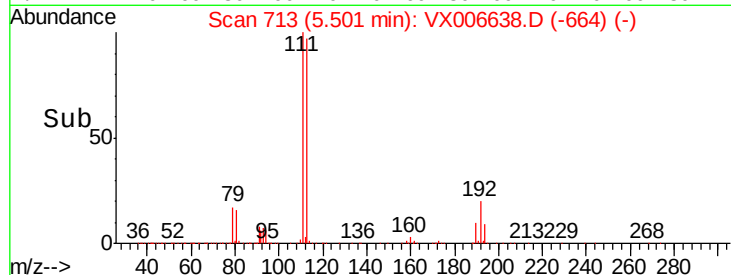
192 20.8 16.7 25.1



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: 5.106 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006638.D

Acq: 19 Dec 2018 15:51

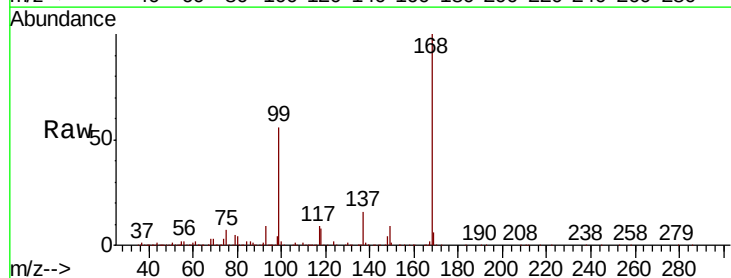
Tgt Ion: 75 Resp: 42831

Ion Ratio Lower Upper

75 100

110 11.3 20.2 60.5#

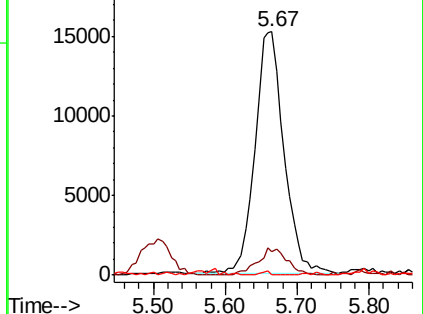
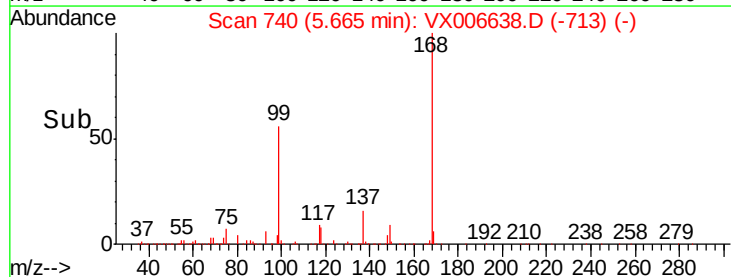
77 0.6 24.8 37.2#

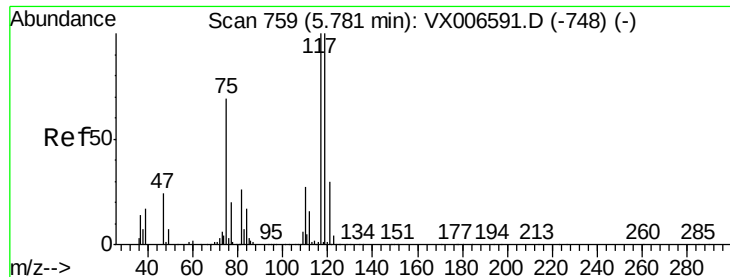


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.487 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006638.D

Acq: 19 Dec 2018 15:51

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

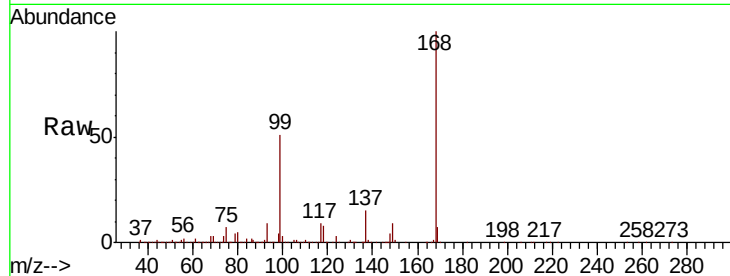
Tot Ion:117 Resp: 61030

Ion Ratio Lower Upper

117 100

119 4.8 79.4 119.2#

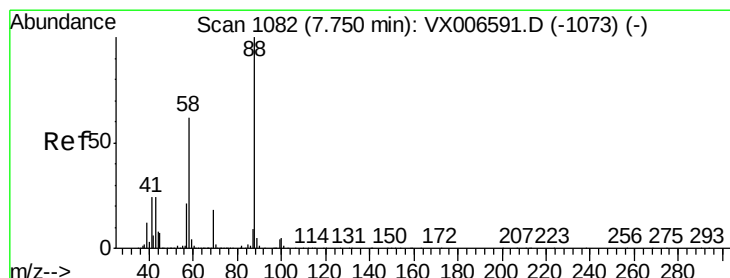
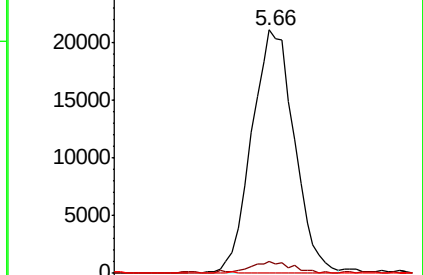
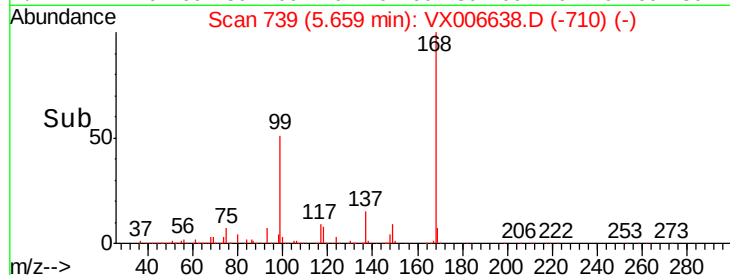
121 0.0 24.0 36.0#



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: Below Cal

RT: 7.72 min Scan# 1077

Delta R.T. -0.03 min

Lab File: VX006638.D

Acq: 19 Dec 2018 15:51

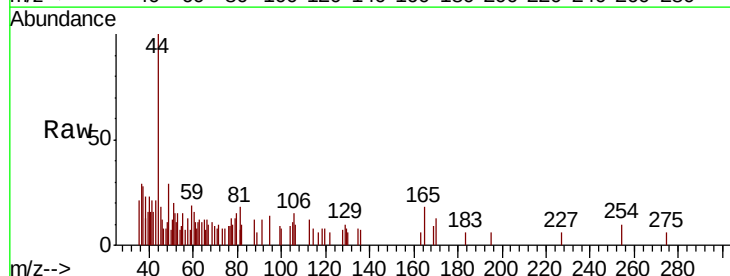
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 721.4 22.2 33.4#

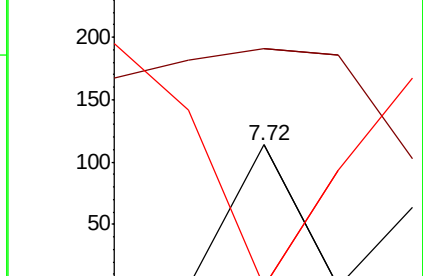
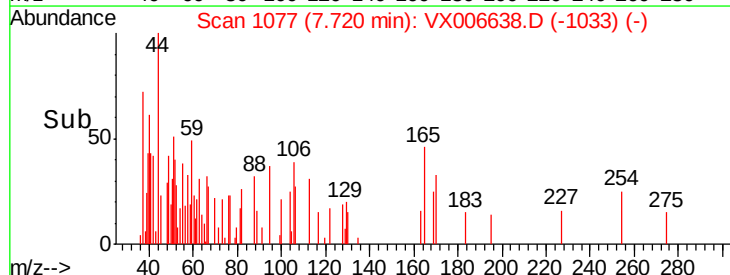
58 228.6 51.0 76.4#

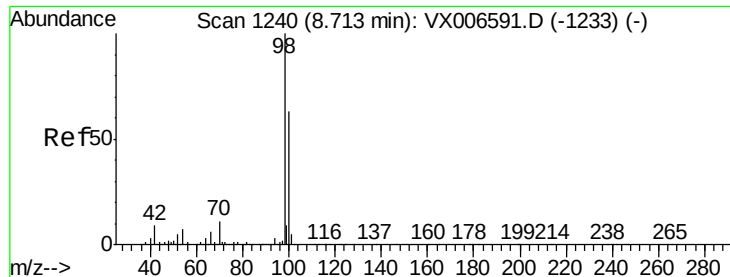


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.701 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006638.D

Acq: 19 Dec 2018 15:51

Instrument :

MSVOA_X

ClientSampleId :

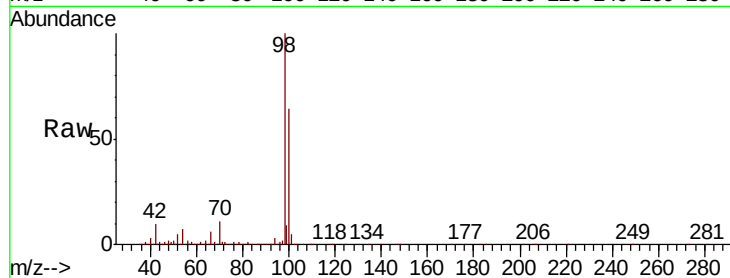
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Tot Ion: 98 Resp: 1199996

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX006638.D (-1191) (-)

Ion 100.00 (99.70 to 100.70): VX006638.D (-1191) (-)

8.71

800000

600000

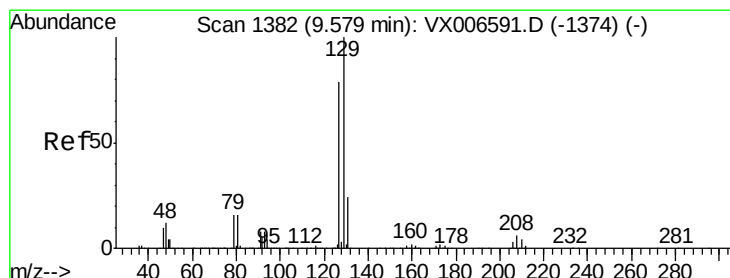
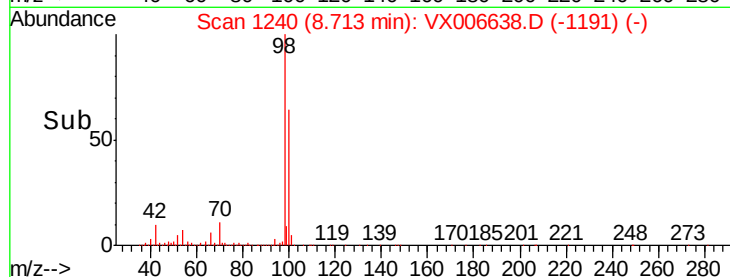
400000

200000

0

8.60 8.70 8.80 8.90

Time-->



#60

Dibromochloromethane

Concen: 2.355 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX006638.D

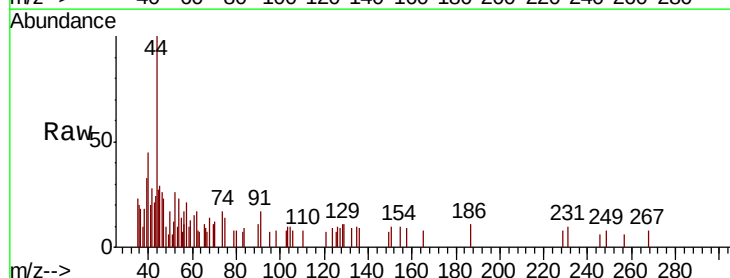
Acq: 19 Dec 2018 15:51

Tgt Ion: 129 Resp: 225

Ion Ratio Lower Upper

129 100

127 0.0 39.3 117.8#



Abundance Ion 128.80 (128.50 to 129.50): VX006638.D (-1333) (-)

Ion 126.80 (126.50 to 127.50): VX006638.D (-1333) (-)

9.58

200

150

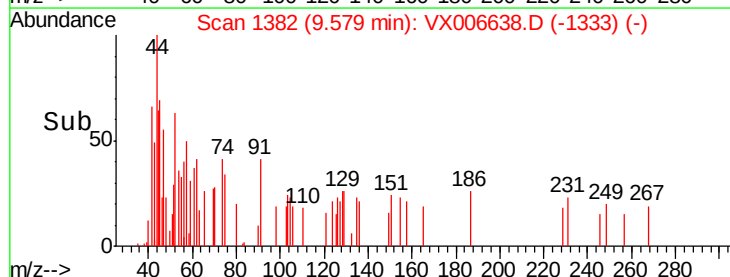
100

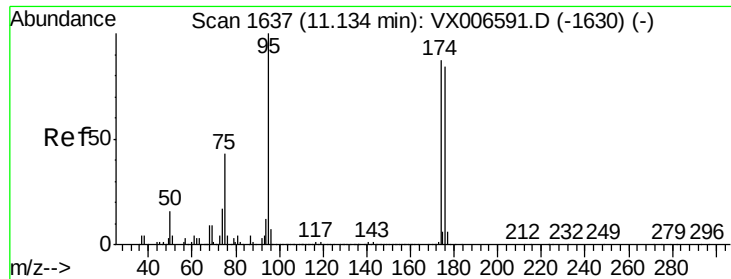
50

0

9.54 9.56 9.58 9.60 9.62

Time-->





#62

4-Bromofluorobenzene

Concen: 48.819 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006638.D

Acq: 19 Dec 2018 15:51

Instrument :

MSVOA_X

ClientSampleId :

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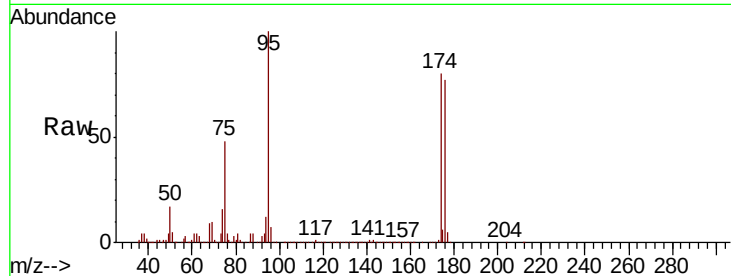
Tot Ion: 95 Resp: 431690

Ion Ratio Lower Upper

95 100

174 86.2 0.0 182.2

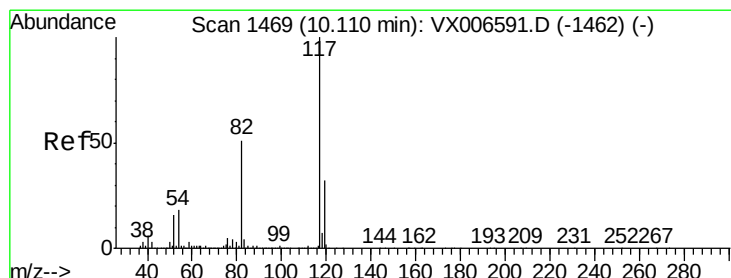
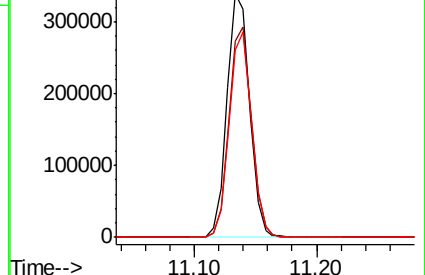
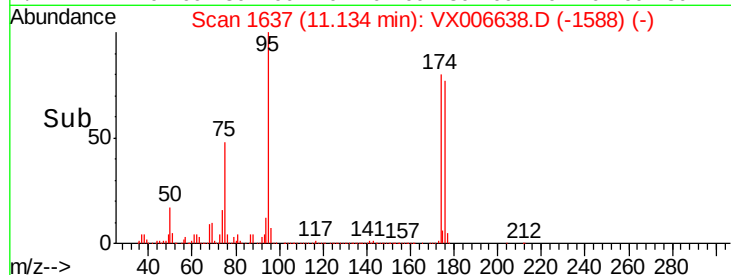
176 83.4 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX006638.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX006638.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX006638.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX006638.D

Acq: 19 Dec 2018 15:51

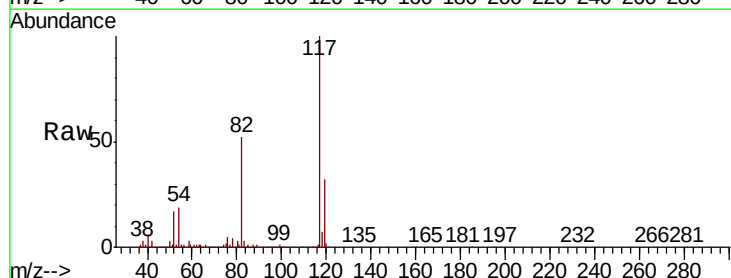
Tgt Ion: 117 Resp: 923136

Ion Ratio Lower Upper

117 100

82 52.4 41.0 61.6

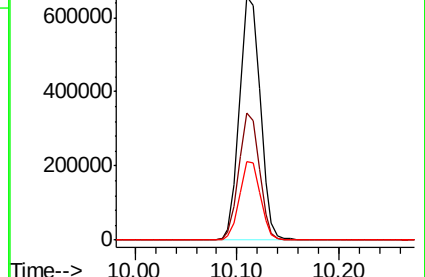
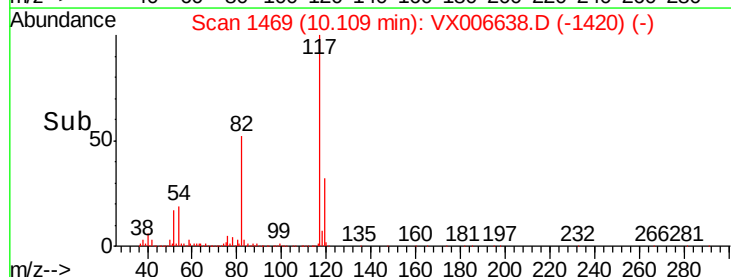
119 32.1 25.4 38.0

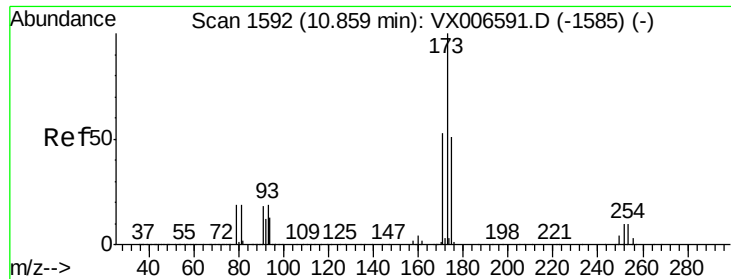


Abundance Ion 116.90 (116.60 to 117.60): VX006638.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX006638.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX006638.D (-1420) (-)





#71

Bromoform

Concen: 4.478 ug/l

RT: 10.78 min Scan# 1579

Delta R.T. -0.08 min

Lab File: VX006638.D

Acq: 19 Dec 2018 15:51

Instrument :

MSVOA_X

ClientSampleId :

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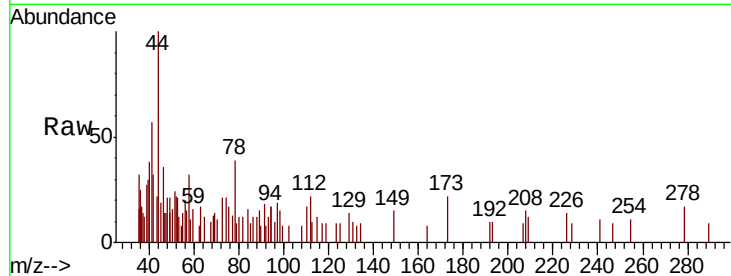
Tot Ion:173 Resp: 107

Ion Ratio Lower Upper

173 100

175 0.0 24.7 74.1#

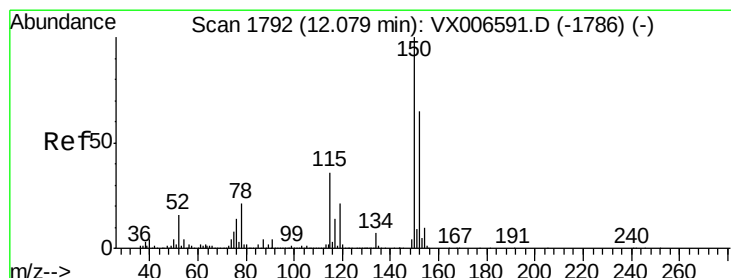
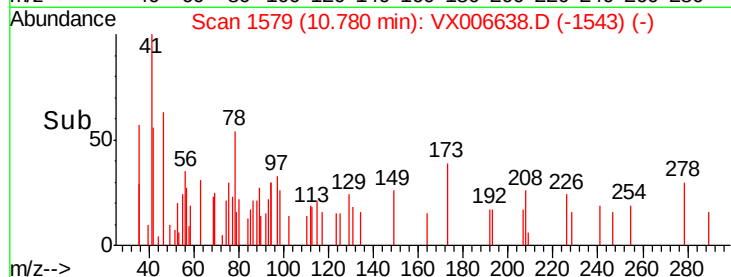
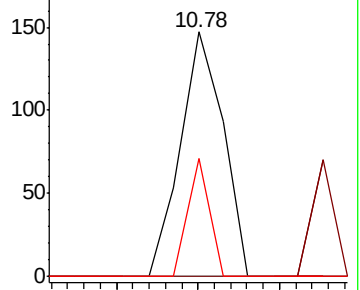
254 24.3 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX006638.D

Acq: 19 Dec 2018 15:51

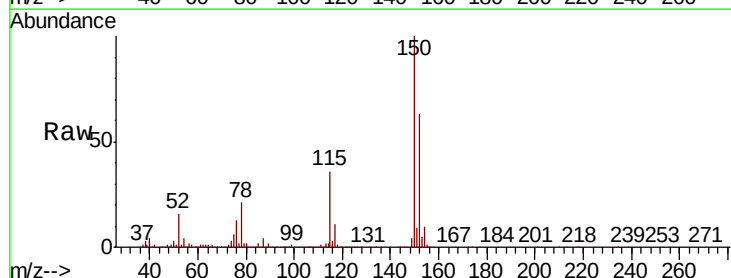
Tgt Ion:152 Resp: 435250

Ion Ratio Lower Upper

152 100

115 56.8 39.1 117.2

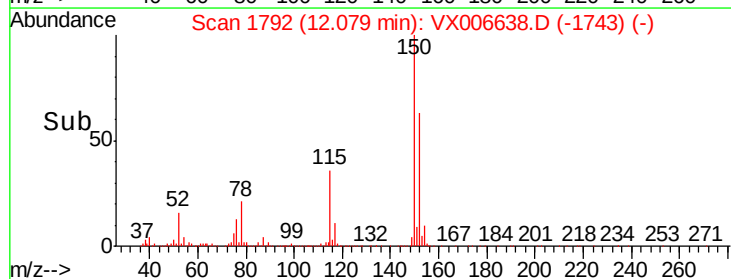
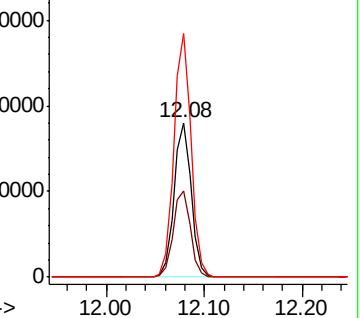
150 158.0 0.0 344.8

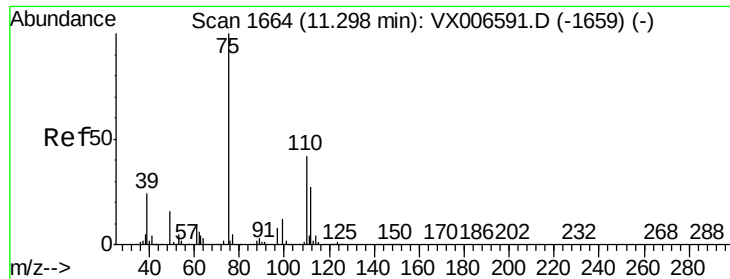


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.818 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006638.D

Acq: 19 Dec 2018 15:51

Instrument :

MSVOA_X

ClientSampleId :

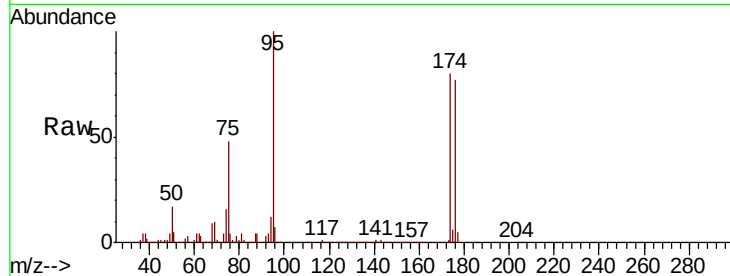
TRIP-BLANK

Tot Ion: 75 Resp: 200744

Ion Ratio Lower Upper

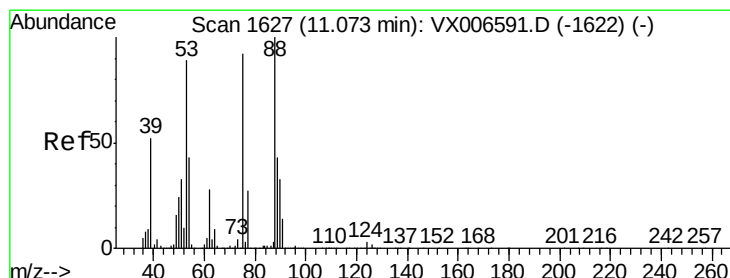
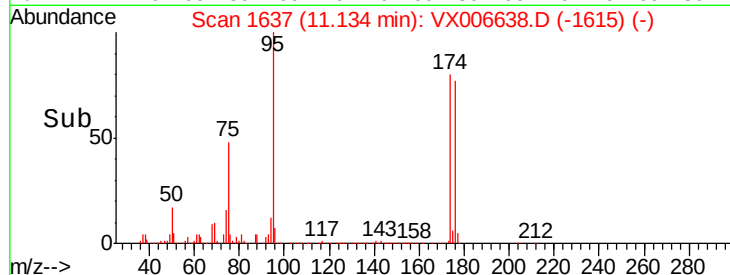
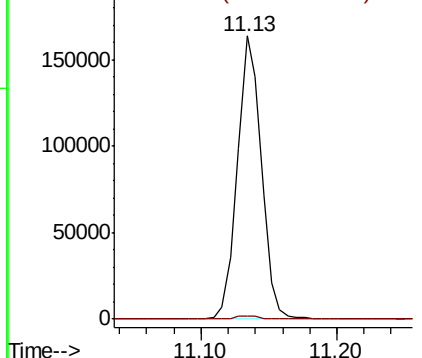
75 100

77 1.4 18.5 55.5#



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: 73.366 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006638.D

Acq: 19 Dec 2018 15:51

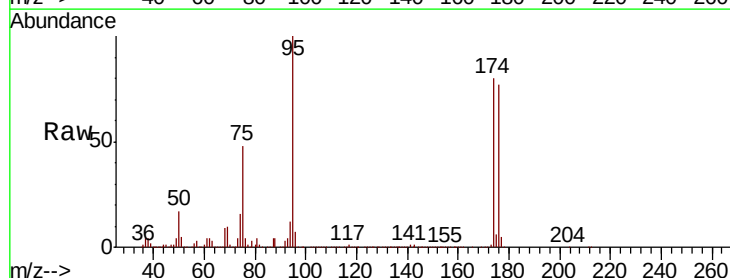
Tgt Ion: 75 Resp: 200744

Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

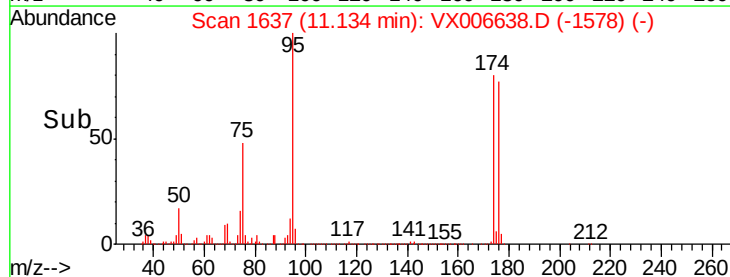
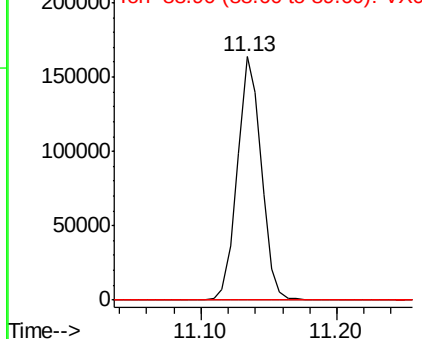
89 0.0 38.0 57.0#

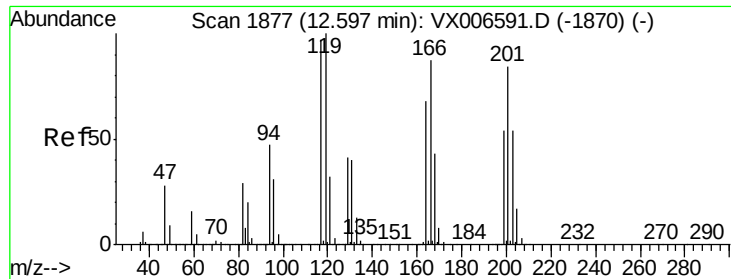


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#90

Hexachloroethane

Concen: 3.312 ug/l

RT: 12.63 min Scan# 1882

Delta R.T. 0.03 min

Lab File: VX006638.D

Acq: 19 Dec 2018 15:51

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

Tot Ion:117 Resp: 82

Ion Ratio Lower Upper

117 100

201 53.7 42.9 128.7

