

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070219\
 Data File : VX010611.D
 Acq On : 02 Jul 2019 12:54
 Operator : JC/SP
 Sample : K3638-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jul 15 05:51:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	243041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	374494	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	337823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	156605	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	119255	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
35) Dibromofluoromethane	5.50	113	114936	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
50) Toluene-d8	8.71	98	446722	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	11.13	95	148258	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	

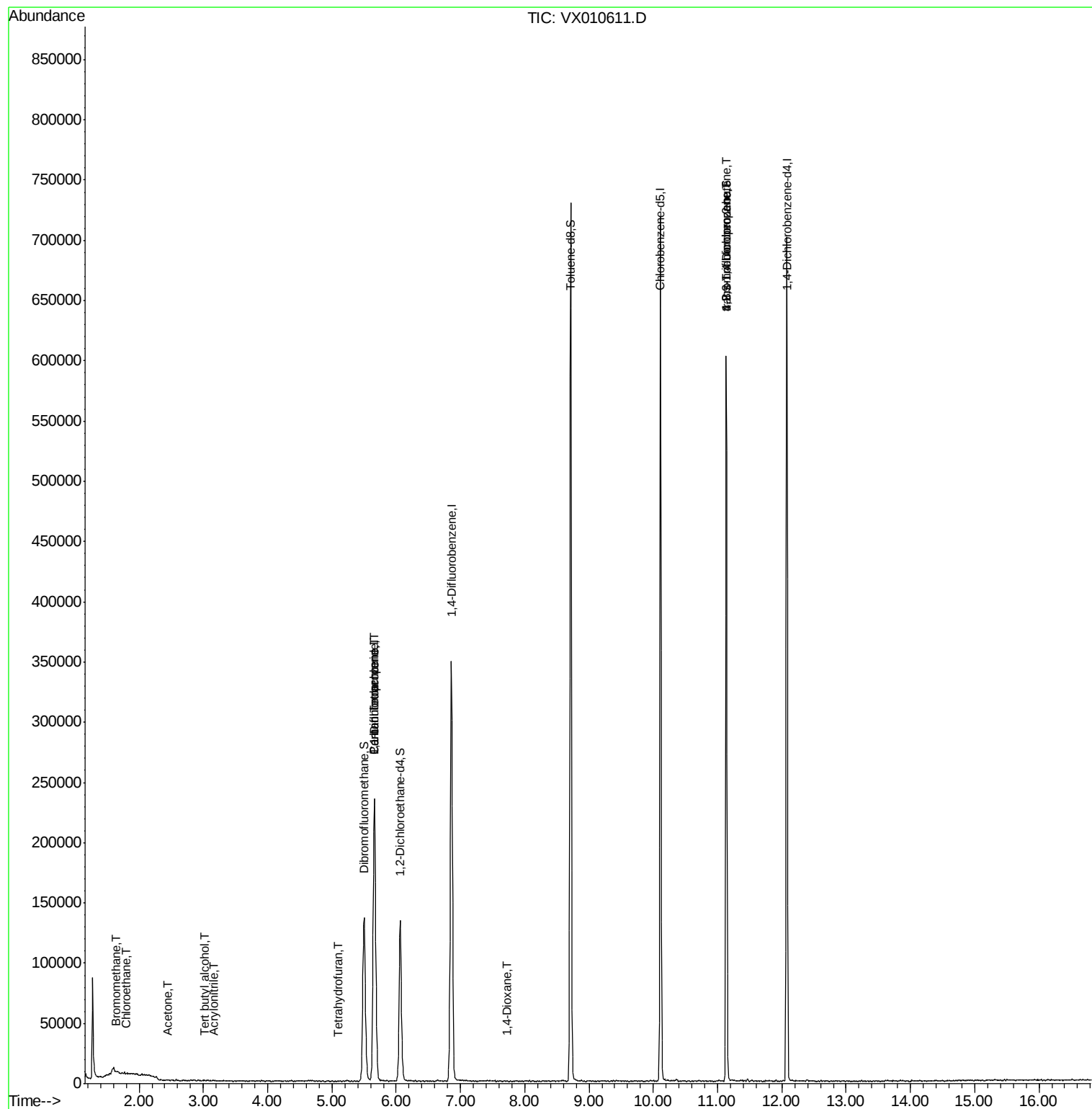
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	369	0.351	ug/l	99
6) Chloroethane	1.80	64	340	0.267	ug/l #	43
11) Tert butyl alcohol	3.03	59	314	0.527	ug/l #	32
15) Acrylonitrile	3.15	53	278	0.235	ug/l #	61
16) Acetone	2.45	43	379	0.332	ug/l	92
29) Tetrahydrofuran	5.10	42	245	0.236	ug/l #	44
36) 1,1-Dichloropropene	5.65	75	15420	5.182	ug/l #	48
38) Carbon Tetrachloride	5.66	117	22066	6.847	ug/l #	14
49) 1,4-Dioxane	7.72	88	45	0.663	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	71322	24.992	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	71322	58.305	ug/l #	16

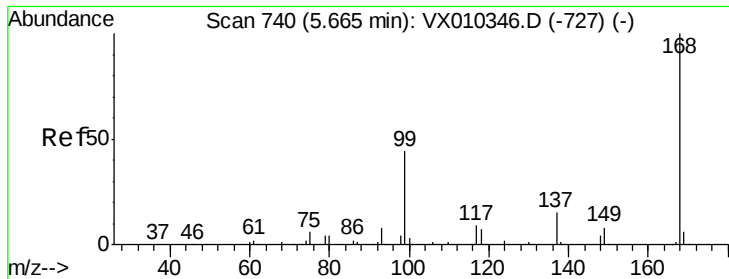
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 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: VX010611.D

Acq: 02 Jul 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

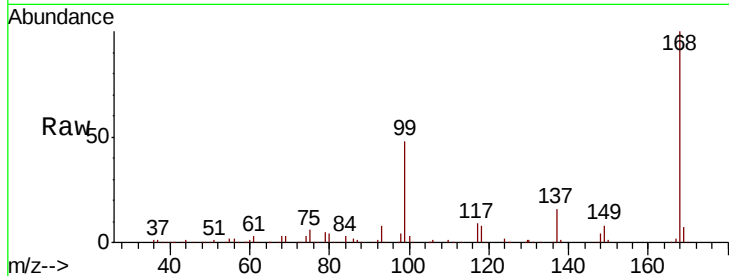
TRIP-BLANK

Tot Ion:168 Resp: 243041

Ion Ratio Lower Upper

168 100

99 48.1 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

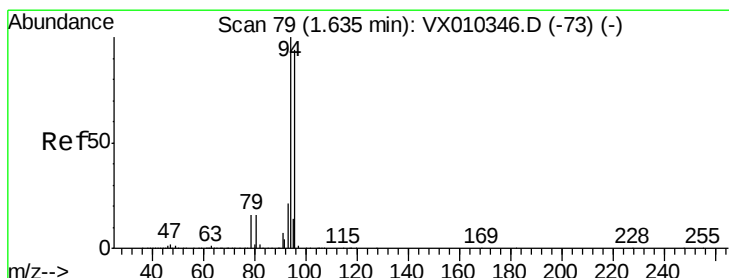
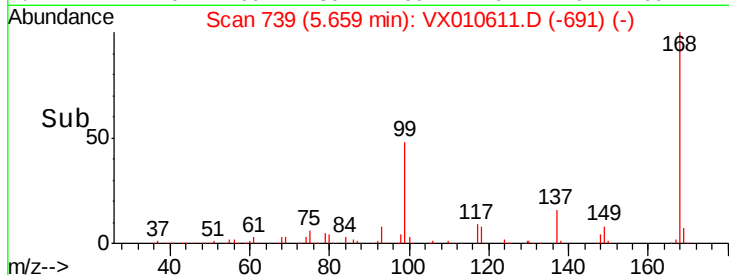
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.351 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010611.D

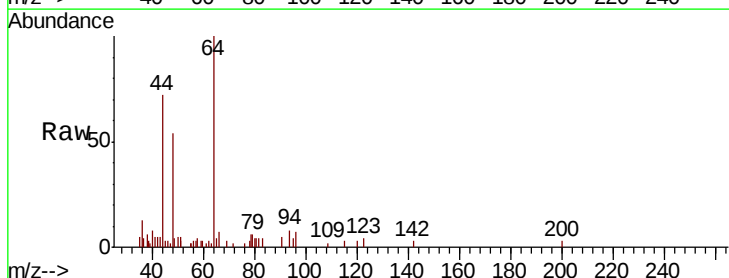
Acq: 02 Jul 2019 12:54

Tgt Ion: 94 Resp: 369

Ion Ratio Lower Upper

94 100

96 93.0 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

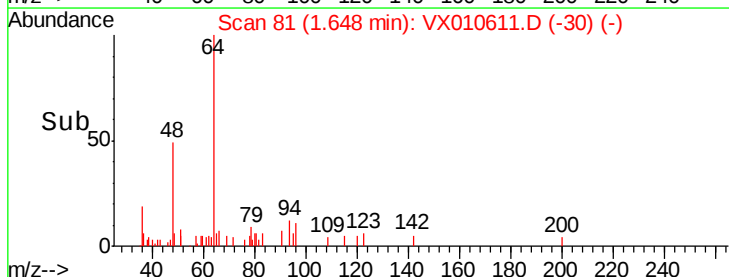
150

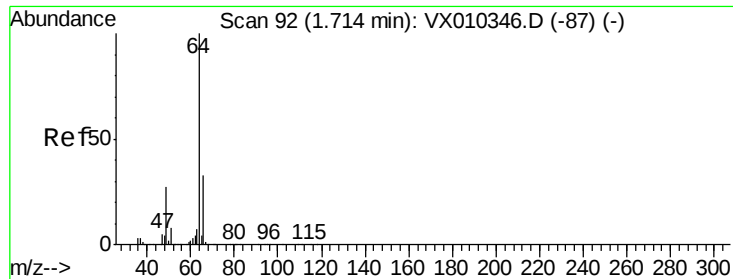
100

50

0

Time--> 1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: 0.267 ug/l

RT: 1.80 min Scan# 106

Delta R.T. 0.09 min

Lab File: VX010611.D

Acq: 02 Jul 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

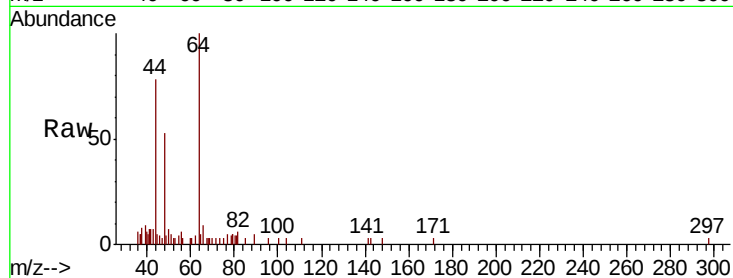
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Tot Ion: 64 Resp: 340

Ion Ratio Lower Upper

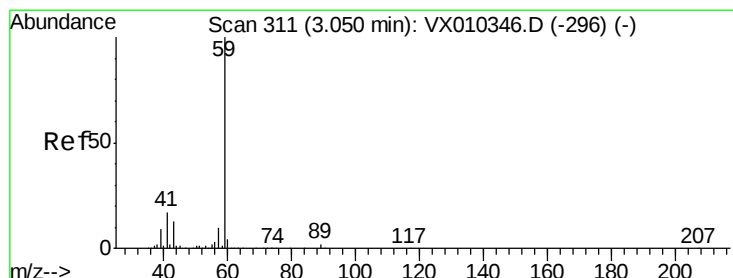
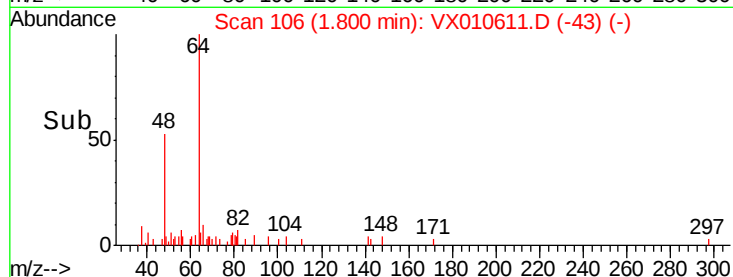
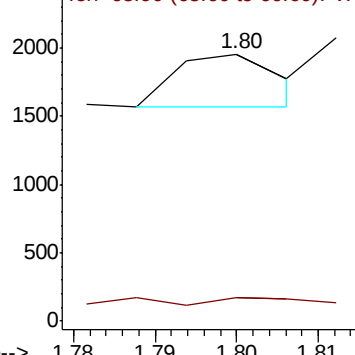
64 100

66 0.8 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 0.527 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX010611.D

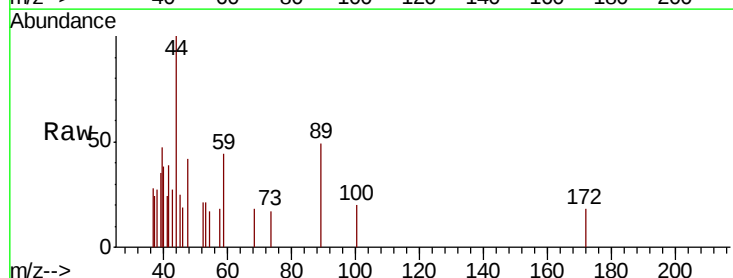
Acq: 02 Jul 2019 12:54

Tgt Ion: 59 Resp: 314

Ion Ratio Lower Upper

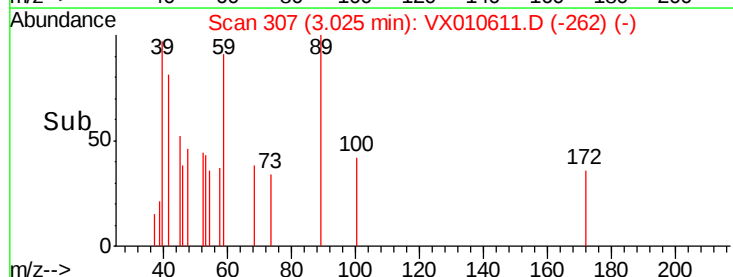
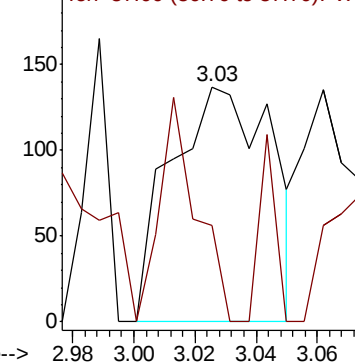
59 100

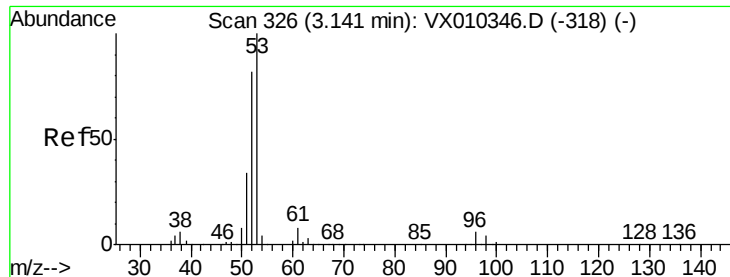
57 34.7 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#15

Acrylonitrile

Concen: 0.235 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX010611.D

Acq: 02 Jul 2019 12:54

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

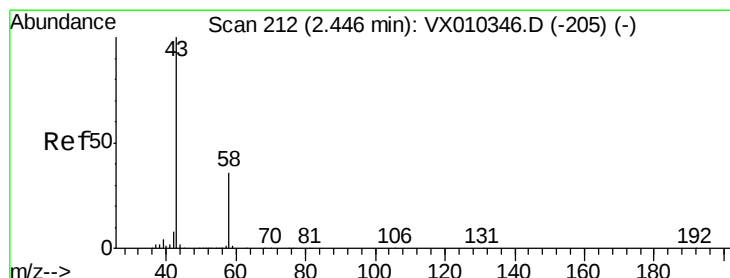
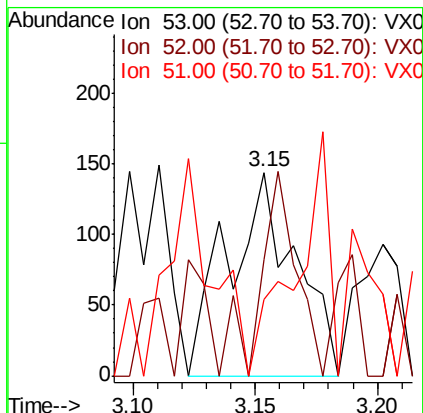
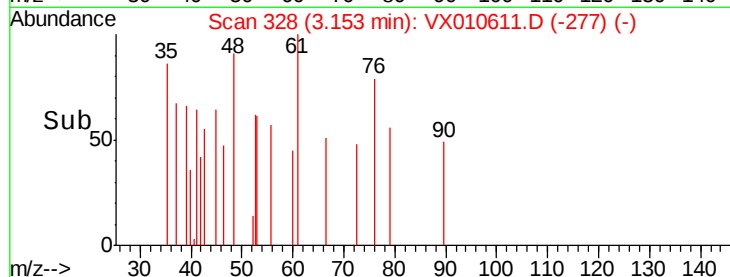
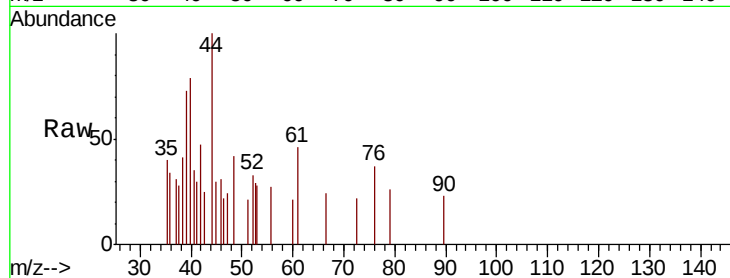
Tot Ion: 53 Resp: 278

Ion Ratio Lower Upper

53 100

52 55.0 65.5 98.3#

51 0.0 28.2 42.4#



#16

Acetone

Concen: 0.332 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010611.D

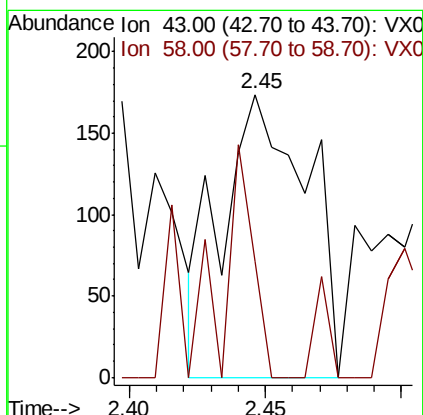
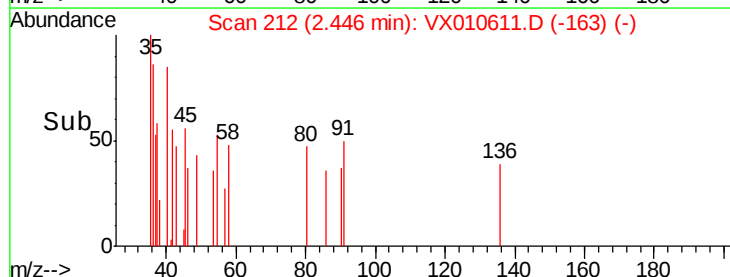
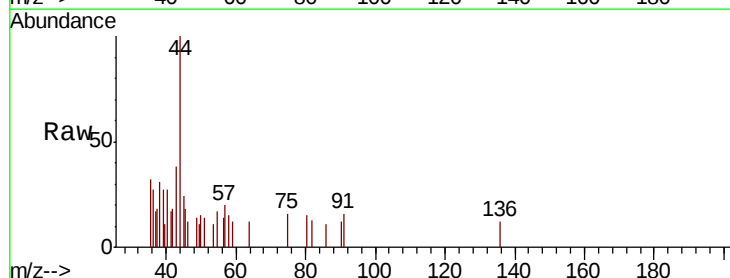
Acq: 02 Jul 2019 12:54

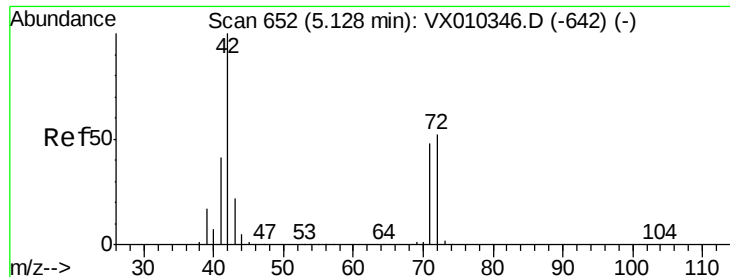
Tgt Ion: 43 Resp: 379

Ion Ratio Lower Upper

43 100

58 40.8 28.9 43.3

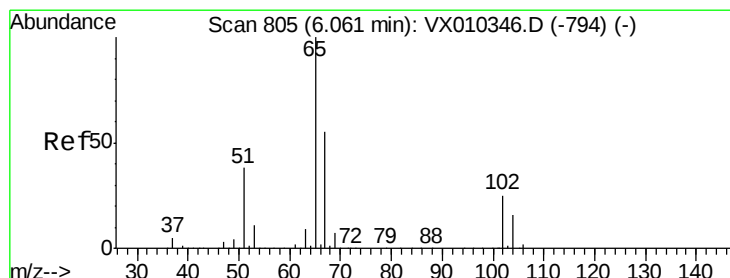
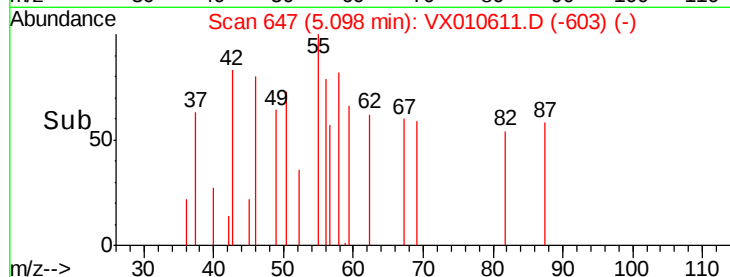
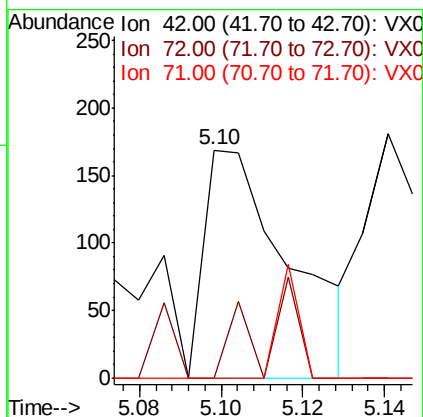
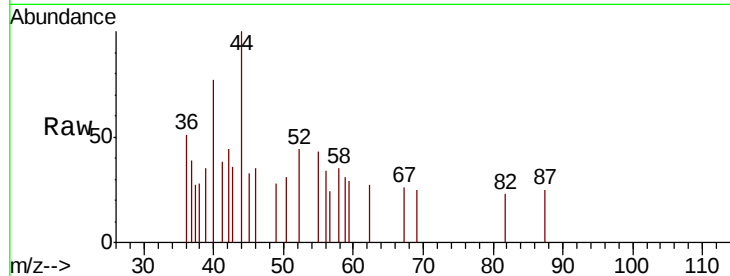




#29
Tetrahydrofuran
Concen: 0.236 ug/l
RT: 5.10 min Scan# 647
Delta R.T. -0.03 min
Lab File: VX010611.D
Acq: 02 Jul 2019 12:54

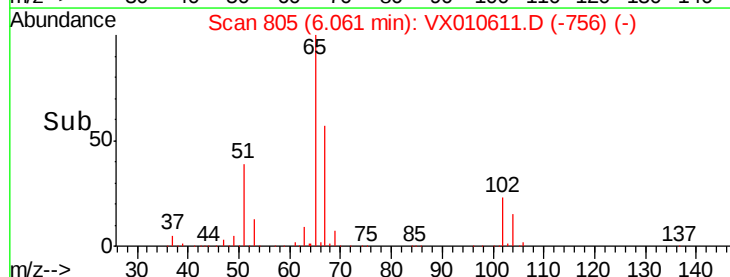
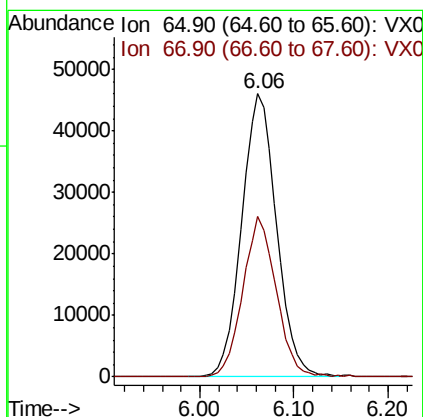
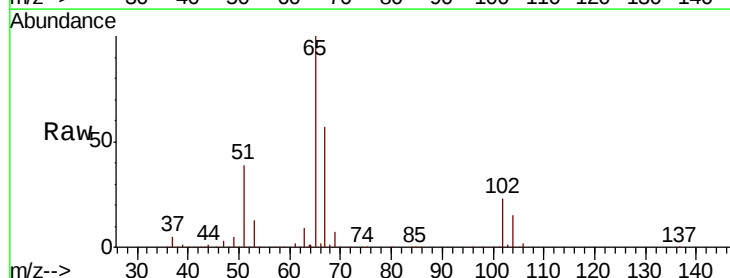
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

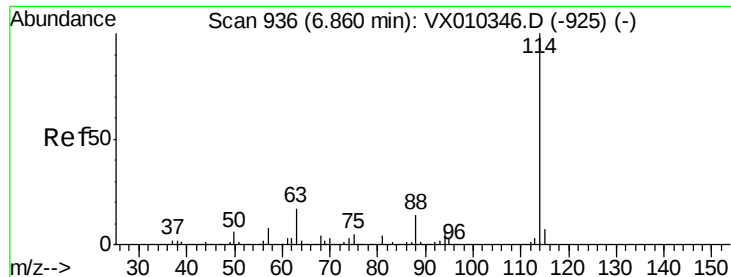
Tot Ion: 42 Resp: 245
Ion Ratio Lower Upper
42 100
72 8.6 40.6 60.8#
71 12.7 37.8 56.8#



#33
1,2-Dichloroethane-d4
Concen: 52.333 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010611.D
Acq: 02 Jul 2019 12:54

Tgt Ion: 65 Resp: 119255
Ion Ratio Lower Upper
65 100
67 54.2 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010611.D

Acq: 02 Jul 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

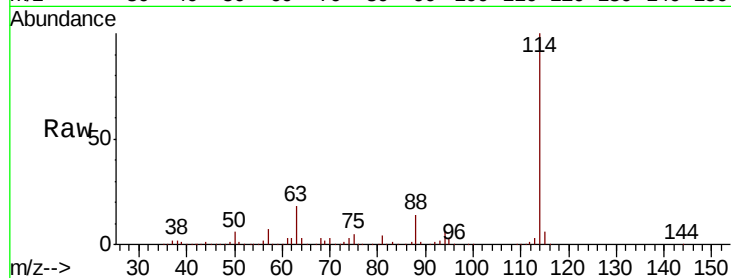
Tot Ion:114 Resp: 374494

Ion Ratio Lower Upper

114 100

63 18.1 0.0 33.8

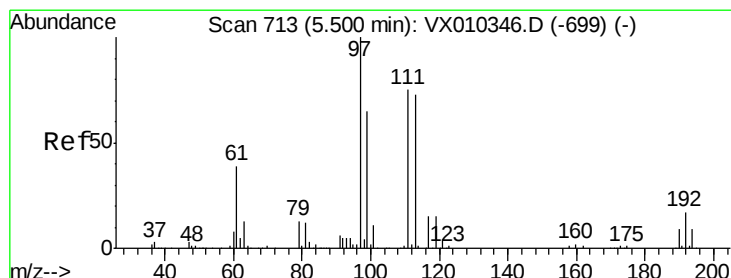
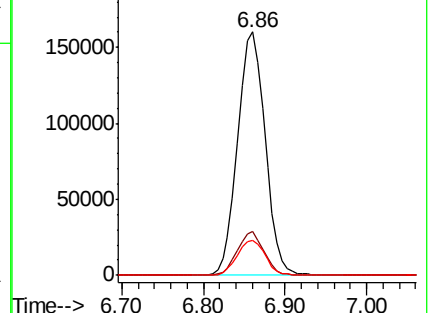
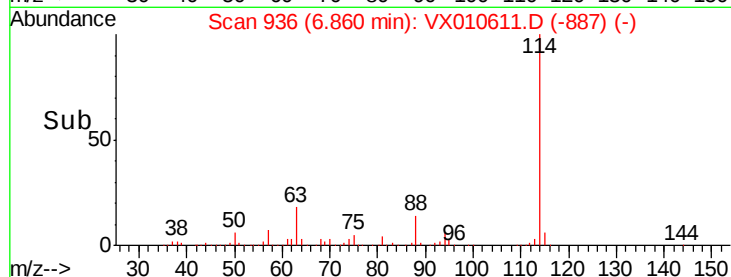
88 14.2 0.0 27.6



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: 50.162 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010611.D

Acq: 02 Jul 2019 12:54

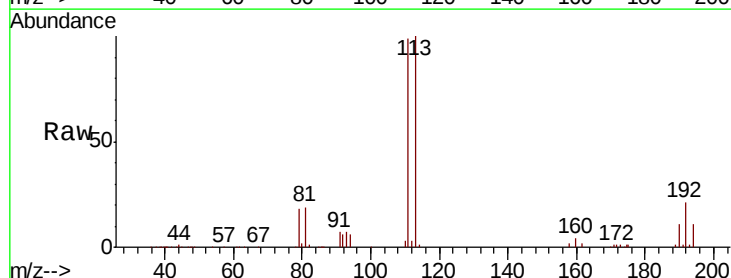
Tgt Ion:113 Resp: 114936

Ion Ratio Lower Upper

113 100

111 102.1 81.2 121.8

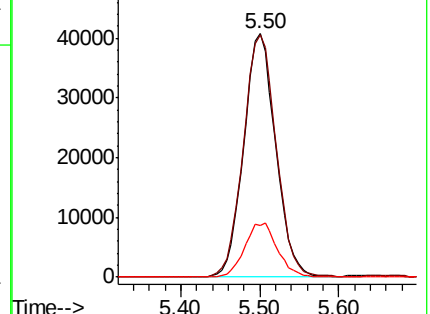
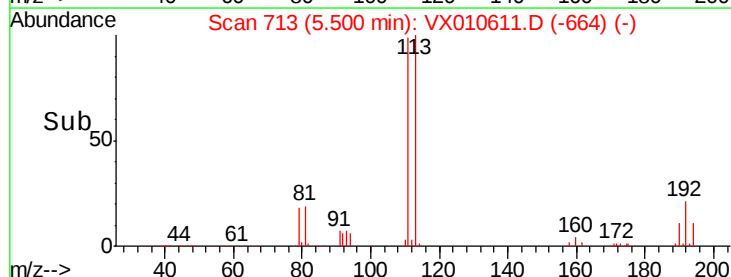
192 22.6 18.6 27.8

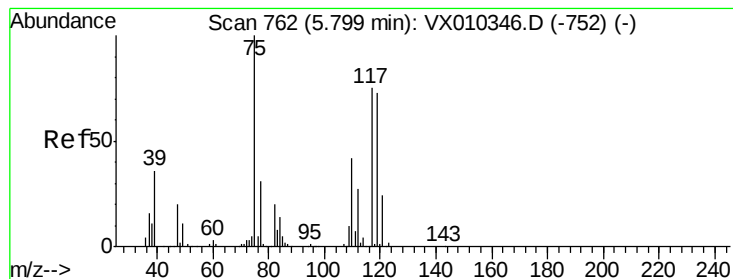


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.182 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX010611.D

Acq: 02 Jul 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

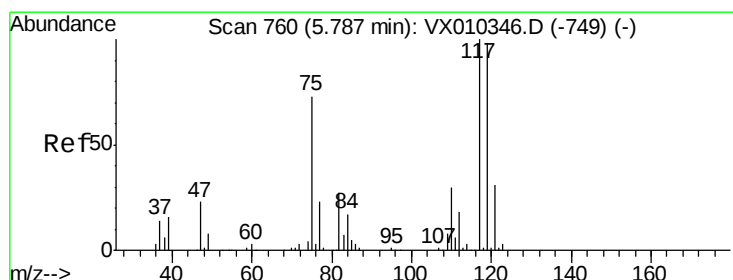
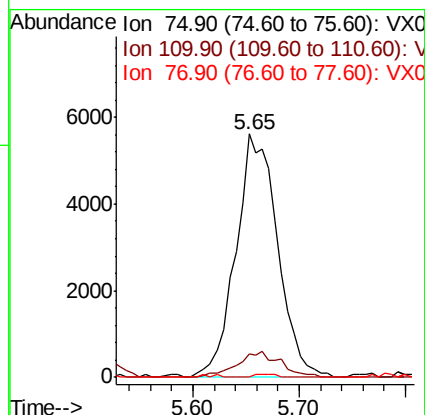
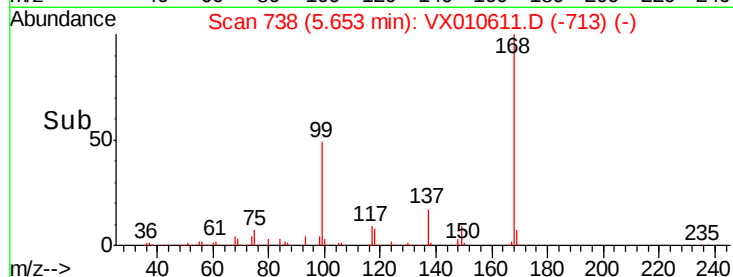
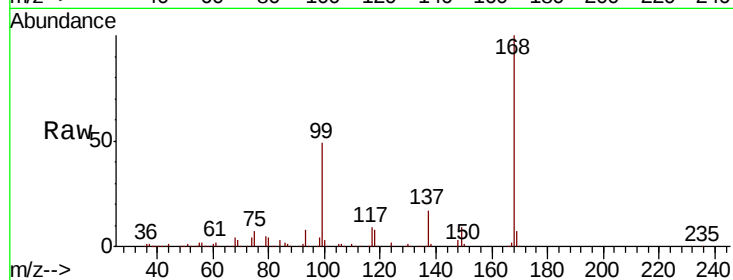
Tot Ion: 75 Resp: 15420

Ion Ratio Lower Upper

75 100

110 11.0 20.8 62.2#

77 0.7 25.4 38.0#



#38

Carbon Tetrachloride

Concen: 6.847 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010611.D

Acq: 02 Jul 2019 12:54

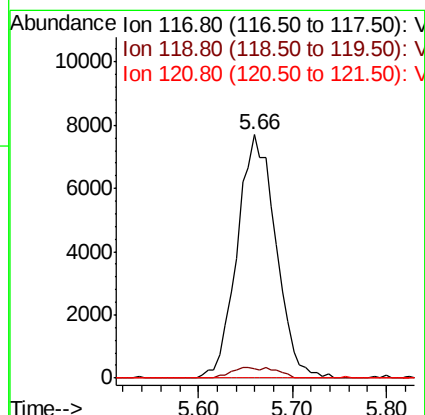
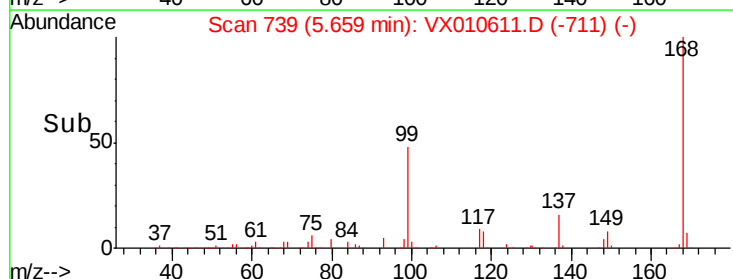
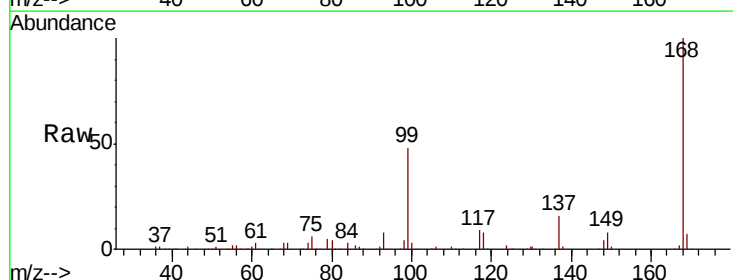
Tgt Ion: 117 Resp: 22066

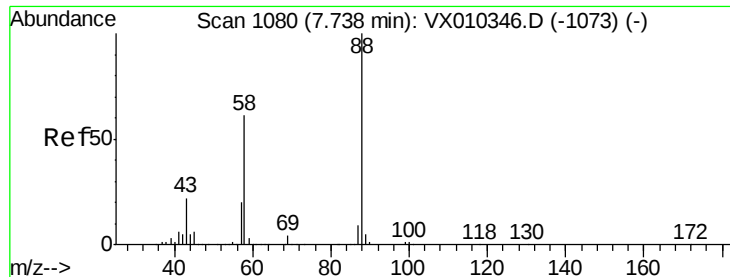
Ion Ratio Lower Upper

117 100

119 4.0 78.2 117.4#

121 0.0 24.7 37.1#

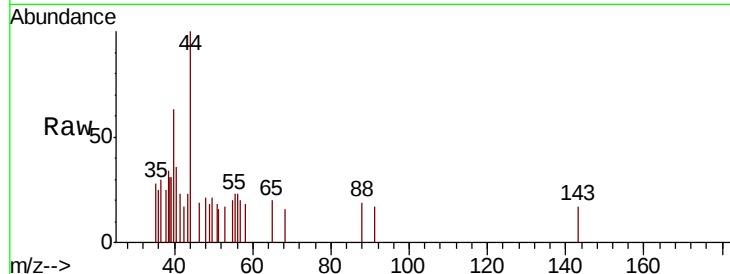




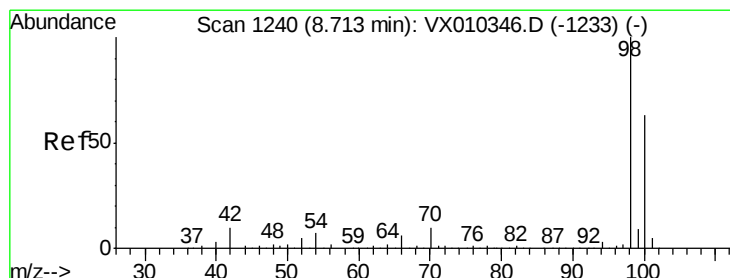
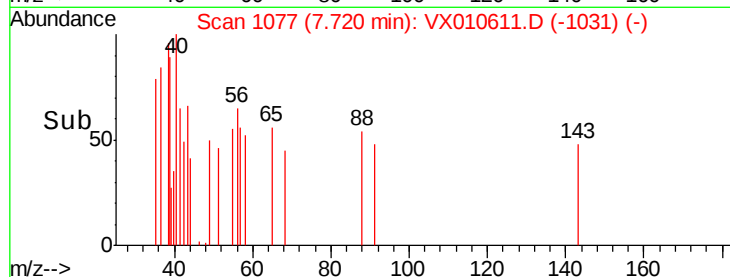
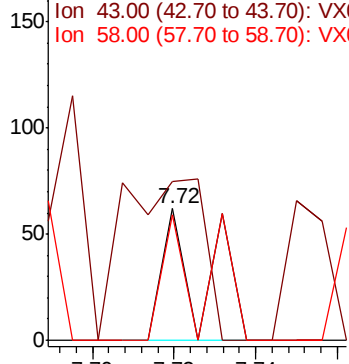
#49
1,4-Dioxane
Concen: 0.663 ug/l
RT: 7.72 min Scan# 1077
Delta R.T. -0.02 min
Lab File: VX010611.D
Acq: 02 Jul 2019 12:54

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tot Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 231.1 20.2 30.2#
58 97.8 49.5 74.3#

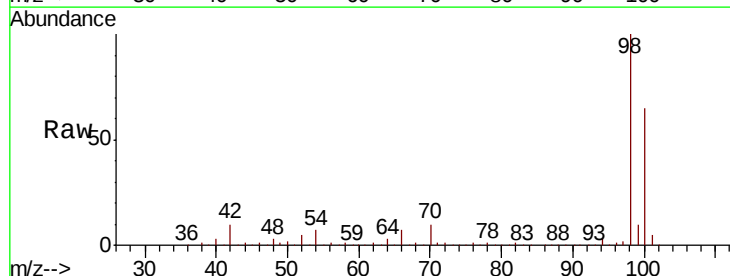


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

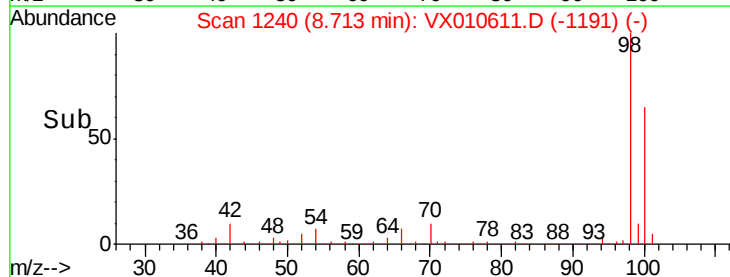
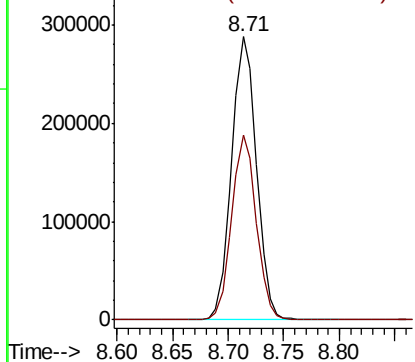


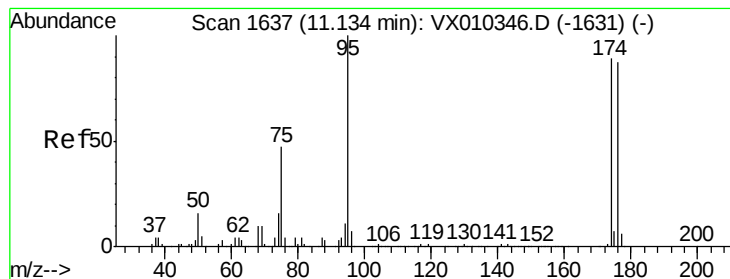
#50
Toluene-d8
Concen: 50.961 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010611.D
Acq: 02 Jul 2019 12:54

Tgt Ion: 98 Resp: 446722
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.846 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010611.D

Acq: 02 Jul 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

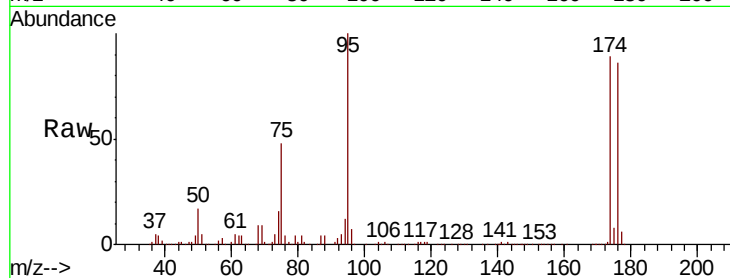
Tot Ion: 95 Resp: 148258

Ion Ratio Lower Upper

95 100

174 93.5 0.0 187.6

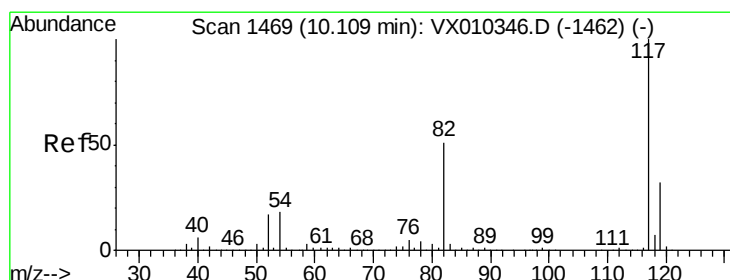
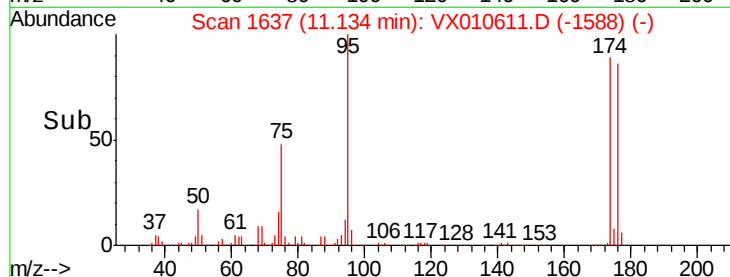
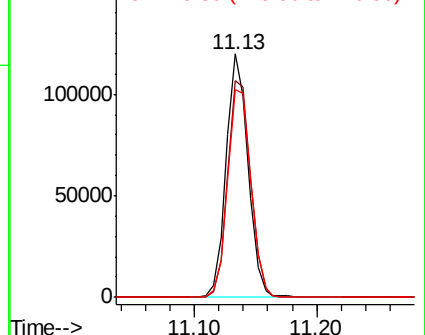
176 91.2 0.0 184.0



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: VX010611.D

Acq: 02 Jul 2019 12:54

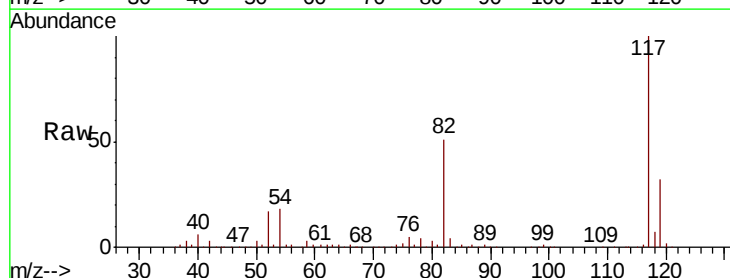
Tgt Ion: 117 Resp: 337823

Ion Ratio Lower Upper

117 100

82 50.9 41.2 61.8

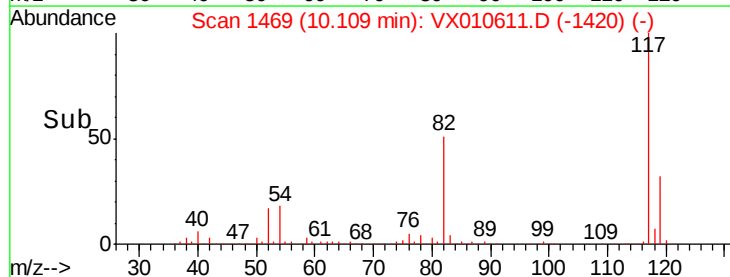
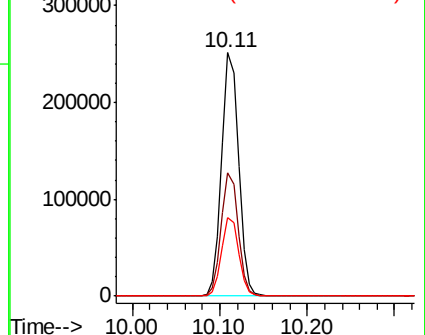
119 32.4 25.5 38.3

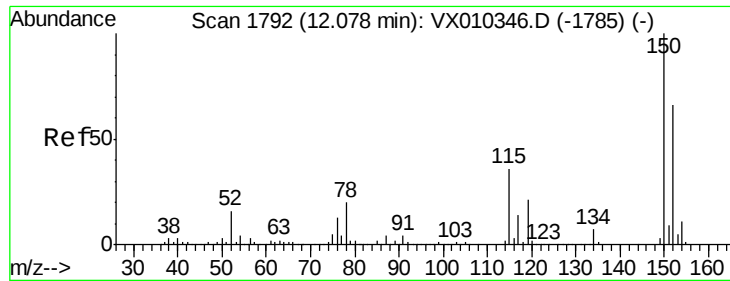


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX010611.D

Acq: 02 Jul 2019 12:54

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

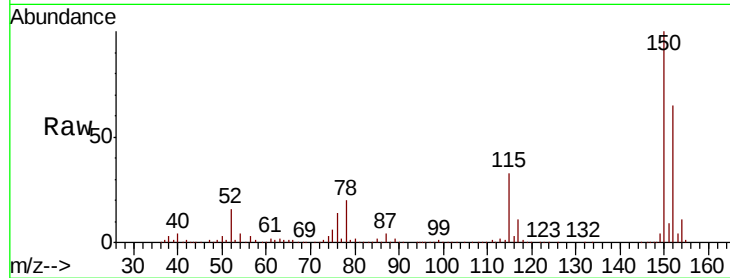
Tot Ion:152 Resp: 156605

Ion Ratio Lower Upper

152 100

115 54.5 38.6 115.7

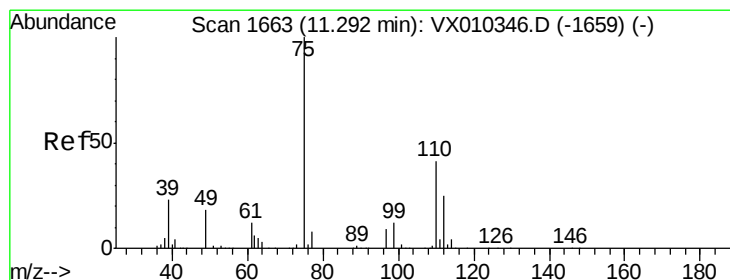
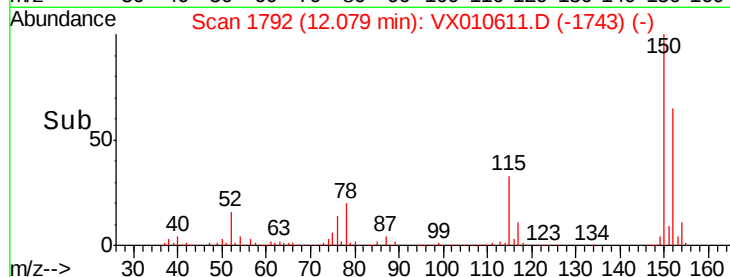
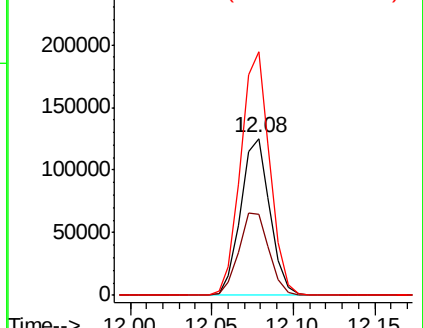
150 154.9 0.0 347.4



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: 24.992 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010611.D

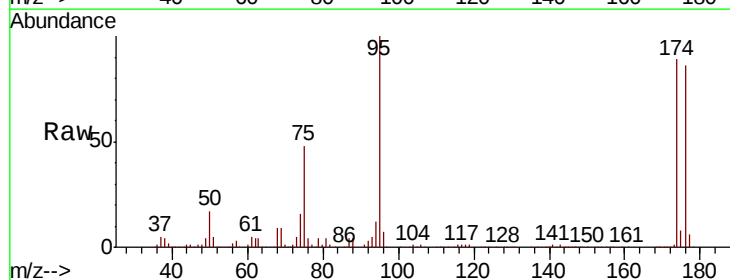
Acq: 02 Jul 2019 12:54

Tgt Ion: 75 Resp: 71322

Ion Ratio Lower Upper

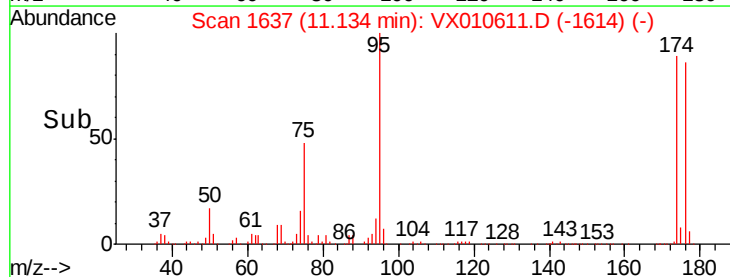
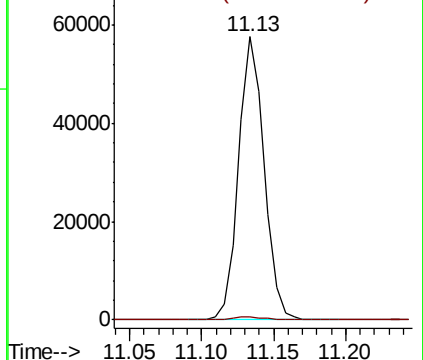
75 100

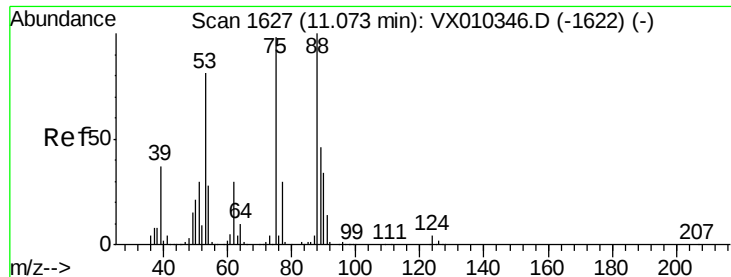
77 1.4 22.6 67.8#



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: 58.305 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010611.D

Acq: 02 Jul 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

Tot Ion: 75 Resp: 71322

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.0 37.8 56.6#

