

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010508.D
 Acq On : 28 Jun 2019 00:40
 Operator : JC/SP
 Sample : K3521-43
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jun 28 06:54:57 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	255935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	389800	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	353295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166734	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	117945	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
35) Dibromofluoromethane	5.50	113	118811	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
50) Toluene-d8	8.71	98	458619	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
62) 4-Bromofluorobenzene	11.13	95	152816	46.39	ug/l	0.00
Spiked Amount			Recovery	=	92.78%	

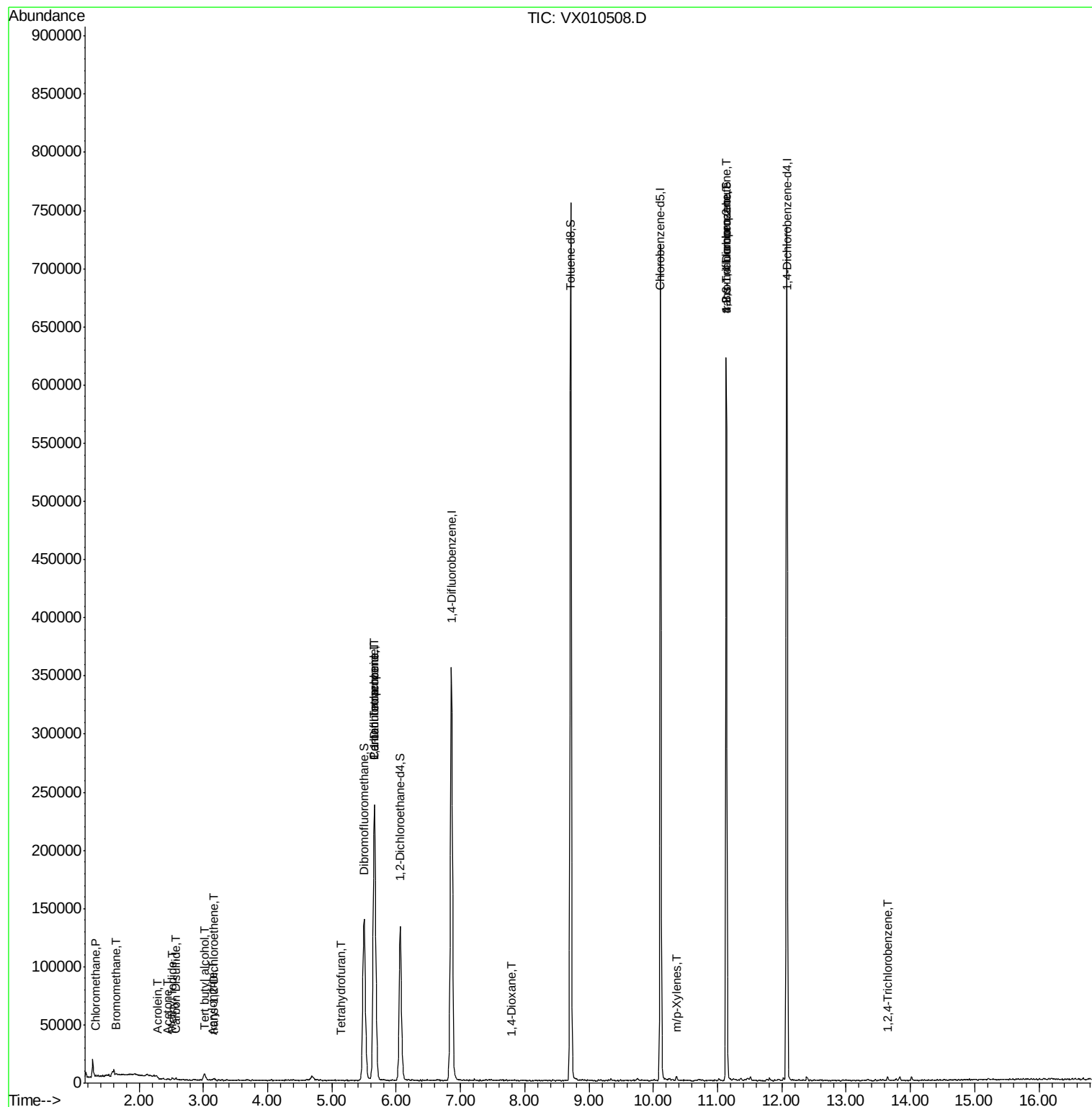
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	445	0.215	ug/l #	47
5) Bromomethane	1.65	94	686	0.620	ug/l #	69
10) Methyl Iodide	2.52	142	1321	0.425	ug/l #	93
11) Tert butyl alcohol	3.01	59	3297	5.251	ug/l #	90
13) Acrolein	2.29	56	401	0.963	ug/l	93
15) Acrylonitrile	3.15	53	508	0.409	ug/l #	87
16) Acetone	2.45	43	699	0.581	ug/l #	51
17) Carbon Disulfide	2.57	76	1486	0.250	ug/l #	79
21) trans-1,2-Dichloroethene	3.17	96	482	0.202	ug/l #	80
29) Tetrahydrofuran	5.13	42	532	0.487	ug/l #	36
36) 1,1-Dichloropropene	5.67	75	15324	4.947	ug/l #	47
38) Carbon Tetrachloride	5.66	117	22927	6.835	ug/l #	16
49) 1,4-Dioxane	7.79	88	50	0.708	ug/l #	1
68) m/p-Xylenes	10.36	106	1092	0.233	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	74308	24.457	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	74308	57.055	ug/l #	16
93) 1,2,4-Trichlorobenzene	13.65	180	885	0.233	ug/l	86

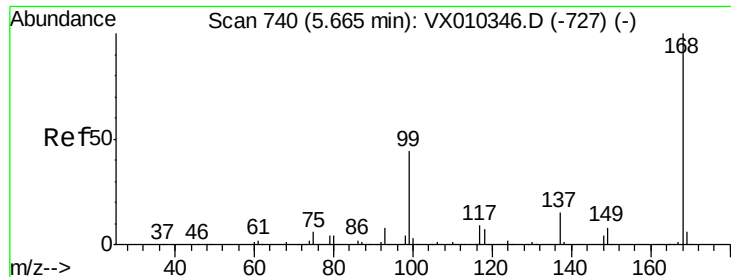
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062719\
Data File : VX010508.D
Acq On : 28 Jun 2019 00:40
Operator : JC/SP
Sample : K3521-43
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Quant Time: Jun 28 06:54:57 2019
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: VX010508.D

Acq: 28 Jun 2019 00:40

Instrument :

MSVOA_X

ClientSampled :

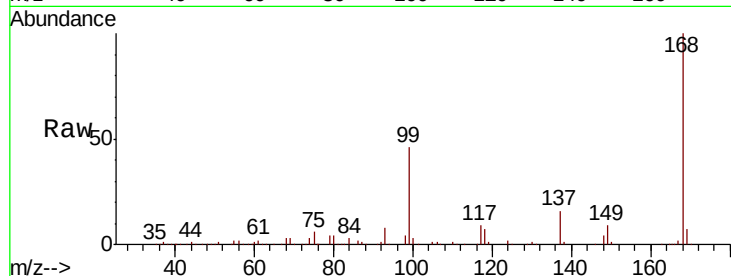
TRIP-BLANK

Tot Ion:168 Resp: 255935

Ion Ratio Lower Upper

168 100

99 45.6 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

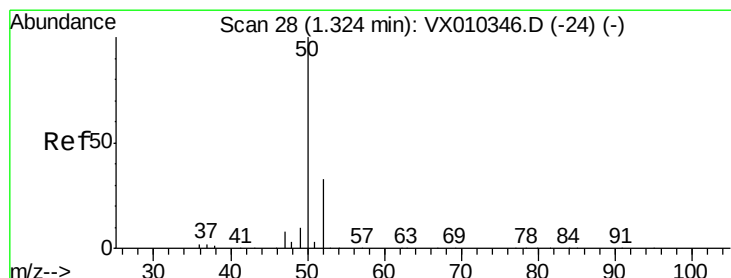
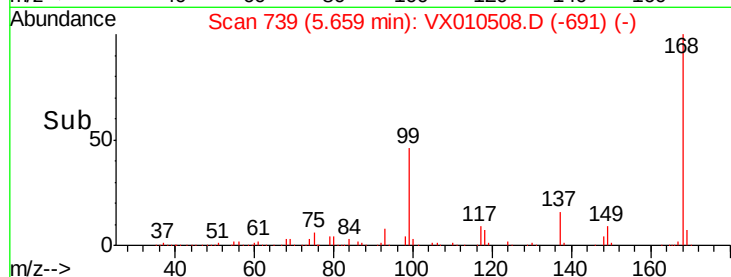
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.215 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010508.D

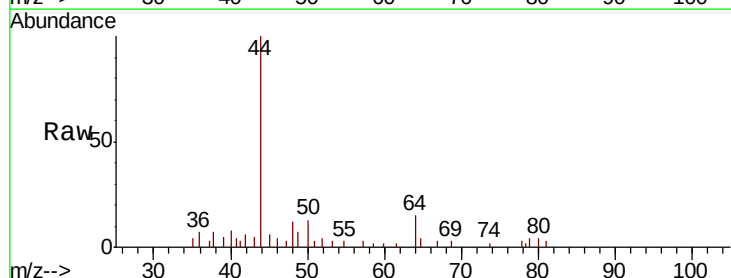
Acq: 28 Jun 2019 00:40

Tgt Ion: 50 Resp: 445

Ion Ratio Lower Upper

50 100

52 2.9 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

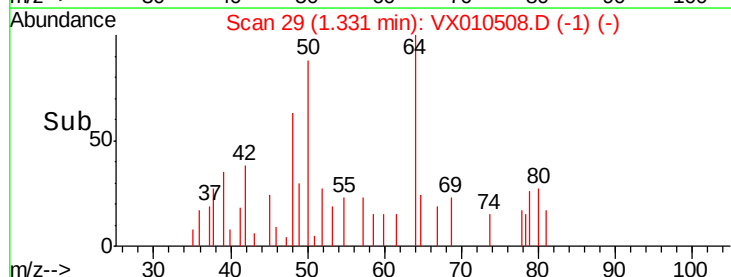
300

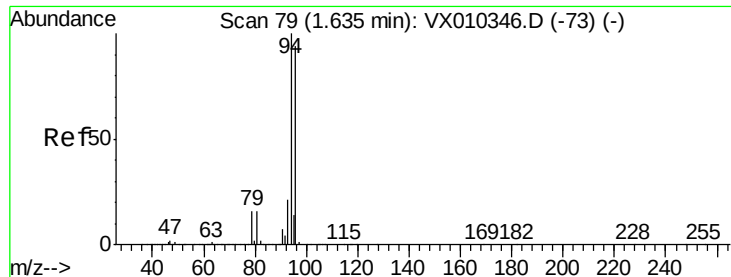
200

100

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.620 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010508.D

Acq: 28 Jun 2019 00:40

Instrument :

MSVOA_X

ClientSampled :

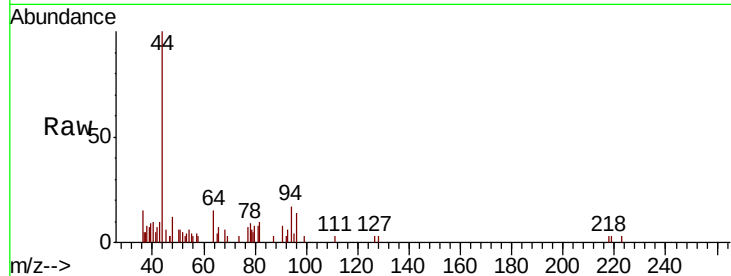
TRIP-BLANK

Tot Ion: 94 Resp: 686

Ion Ratio Lower Upper

94 100

96 64.7 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

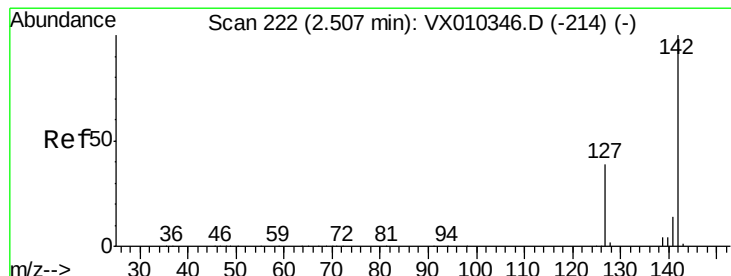
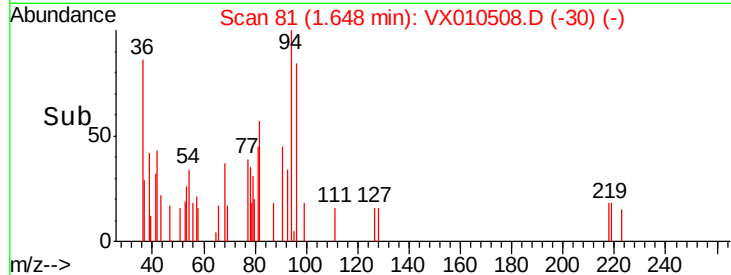
300

200

100

0

Time-->



#10

Methyl Iodide

Concen: 0.425 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX010508.D

Acq: 28 Jun 2019 00:40

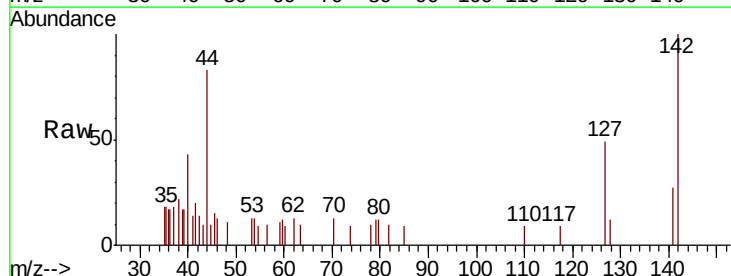
Tgt Ion: 142 Resp: 1321

Ion Ratio Lower Upper

142 100

127 42.2 31.1 46.7

141 18.6 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

800

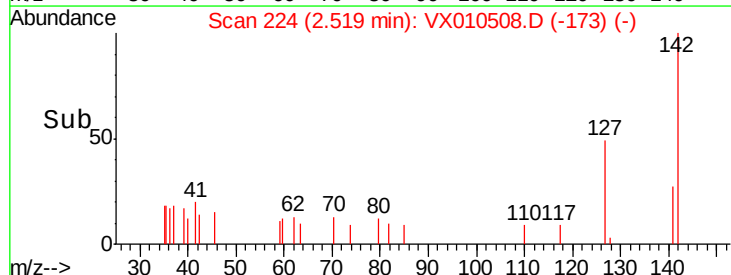
600

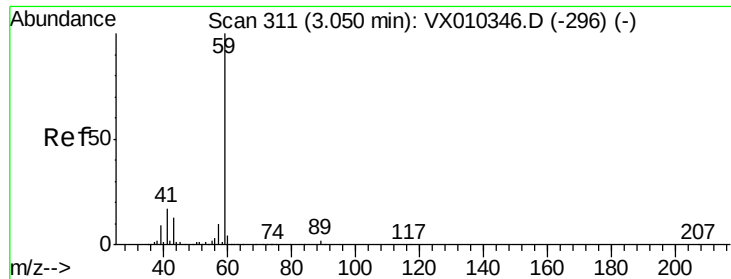
400

200

0

Time-->





#11

Tert butyl alcohol

Concen: 5.251 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX010508.D

Acq: 28 Jun 2019 00:40

Instrument :

MSVOA_X

ClientSampled :

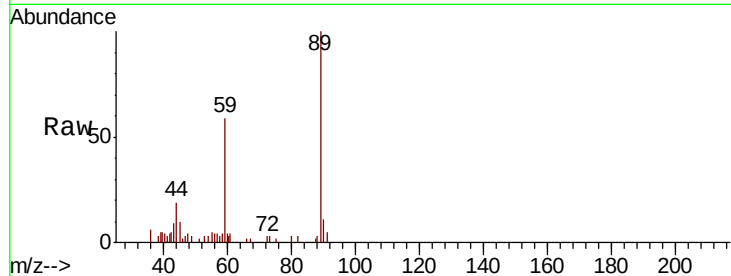
TRIP-BLANK

Tot Ion: 59 Resp: 3297

Ion Ratio Lower Upper

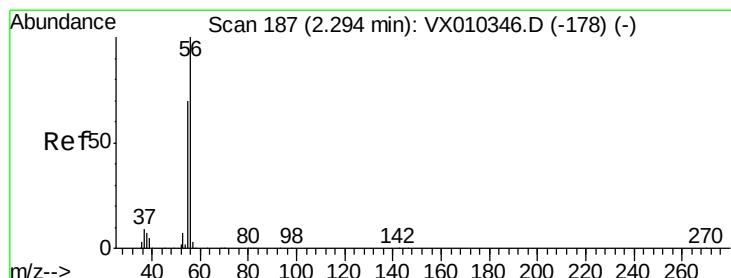
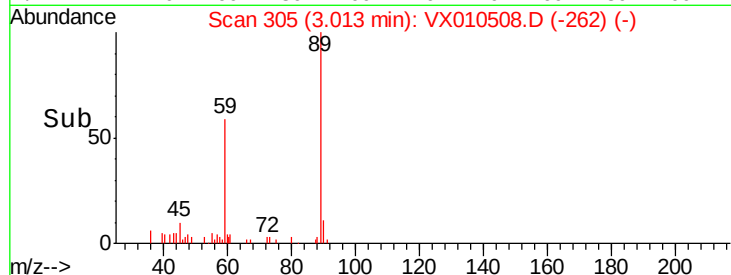
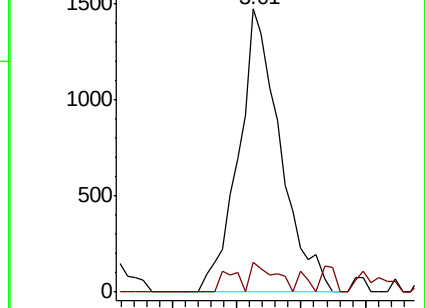
59 100

57 6.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 0.963 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010508.D

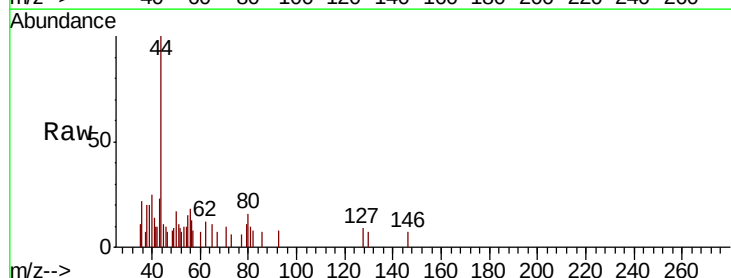
Acq: 28 Jun 2019 00:40

Tgt Ion: 56 Resp: 401

Ion Ratio Lower Upper

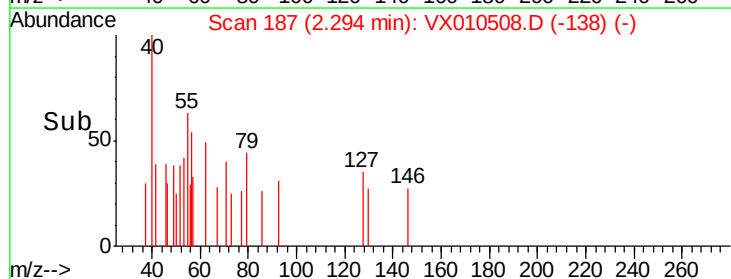
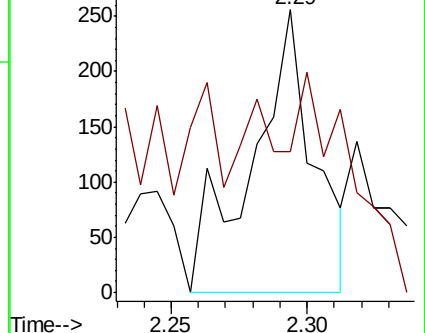
56 100

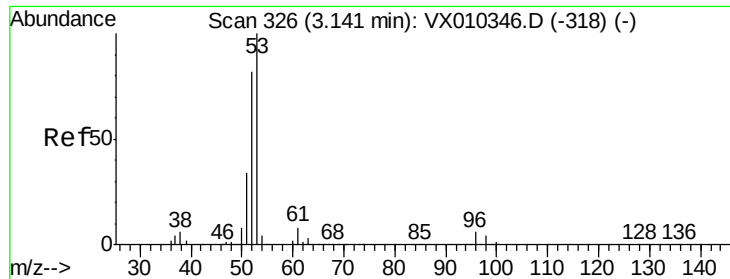
55 65.3 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.409 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX010508.D

Acq: 28 Jun 2019 00:40

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

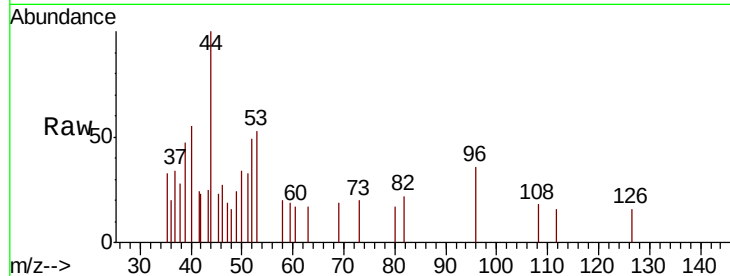
Tot Ion: 53 Resp: 508

Ion Ratio Lower Upper

53 100

52 84.3 65.5 98.3

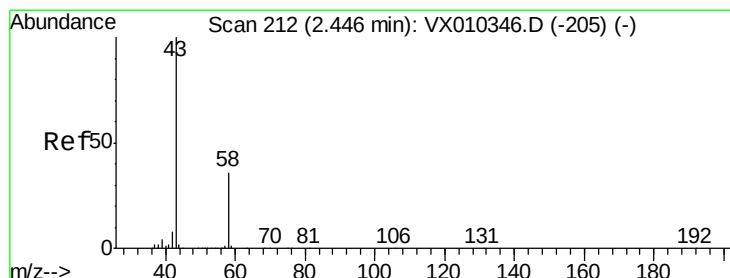
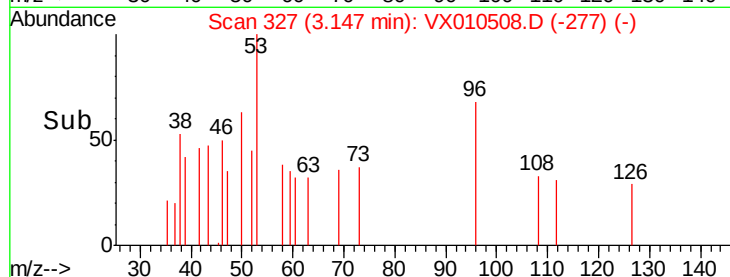
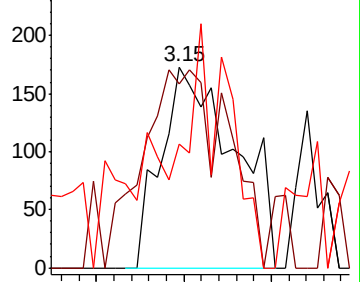
51 14.4 28.2 42.4#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.581 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010508.D

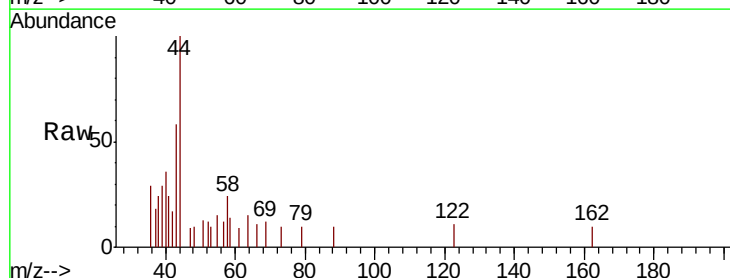
Acq: 28 Jun 2019 00:40

Tgt Ion: 43 Resp: 699

Ion Ratio Lower Upper

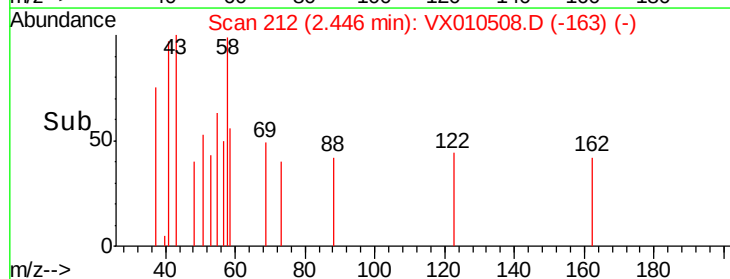
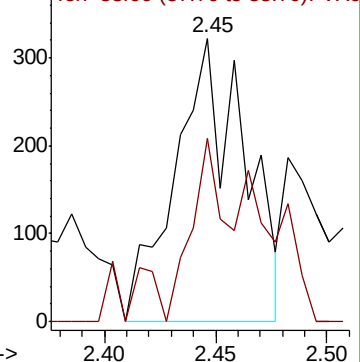
43 100

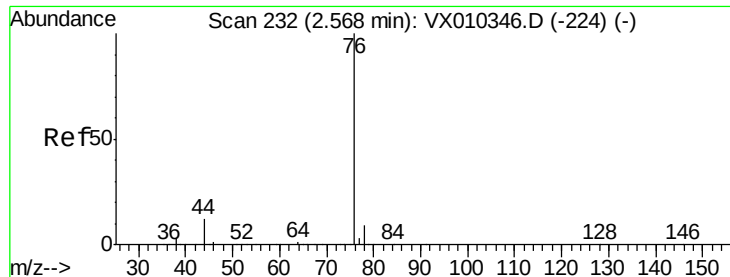
58 64.9 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.250 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010508.D

Acq: 28 Jun 2019 00:40

Instrument :

MSVOA_X

ClientSampled :

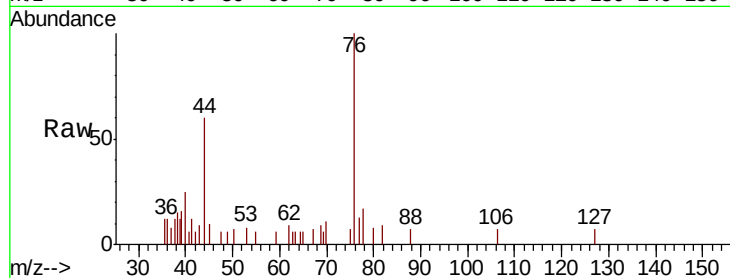
TRIP-BLANK

Tot Ion: 76 Resp: 1486

Ion Ratio Lower Upper

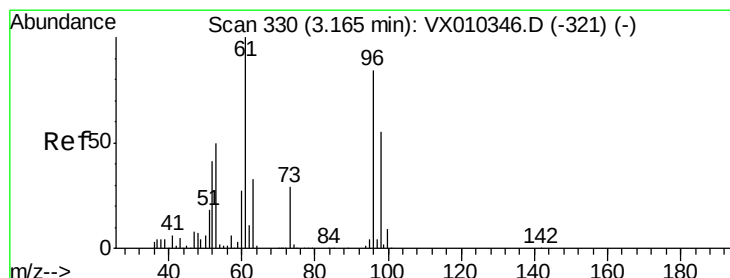
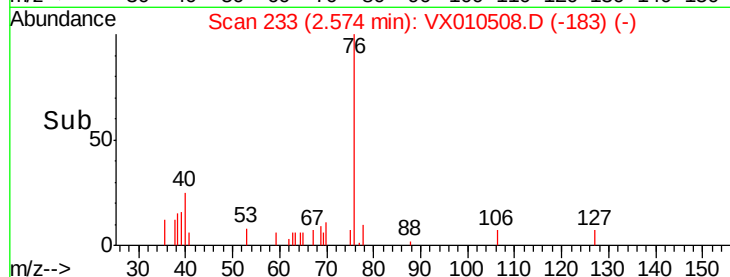
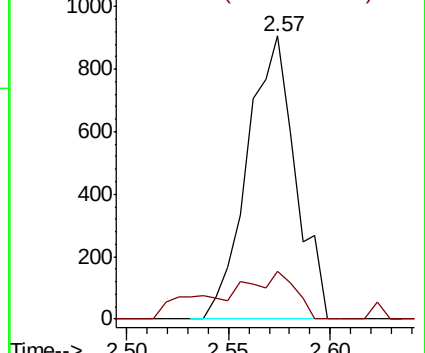
76 100

78 16.9 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#21

trans-1,2-Dichloroethene

Concen: 0.202 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010508.D

Acq: 28 Jun 2019 00:40

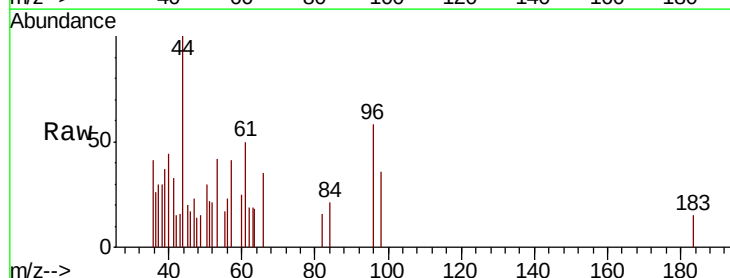
Tgt Ion: 96 Resp: 482

Ion Ratio Lower Upper

96 100

61 87.6 95.6 143.4#

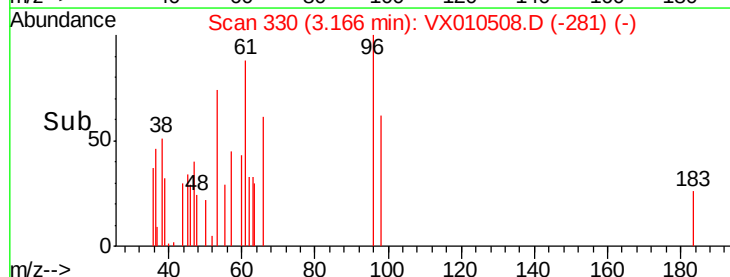
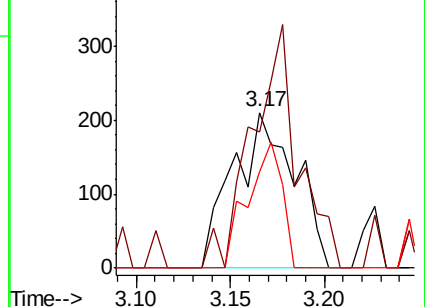
98 61.9 52.5 78.7

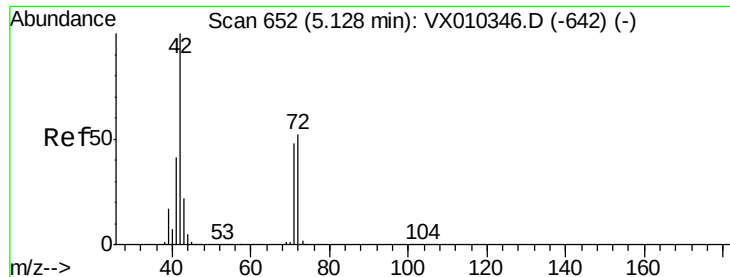


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#29

Tetrahydrofuran

Concen: 0.487 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX010508.D

Acq: 28 Jun 2019 00:40

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

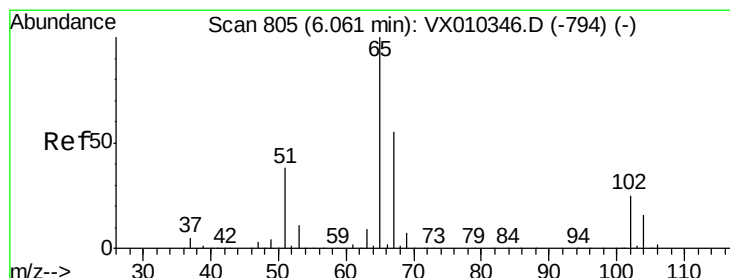
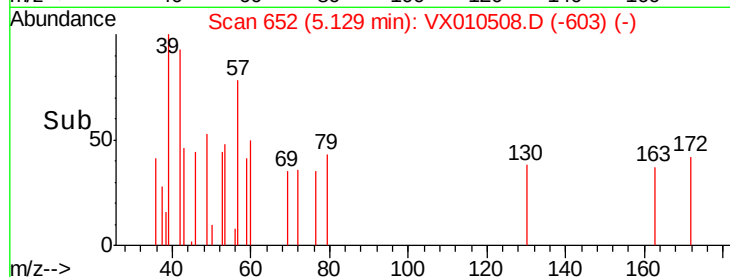
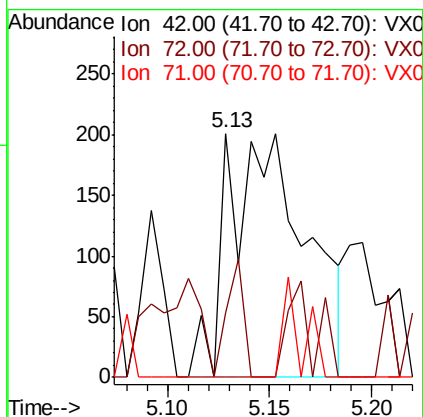
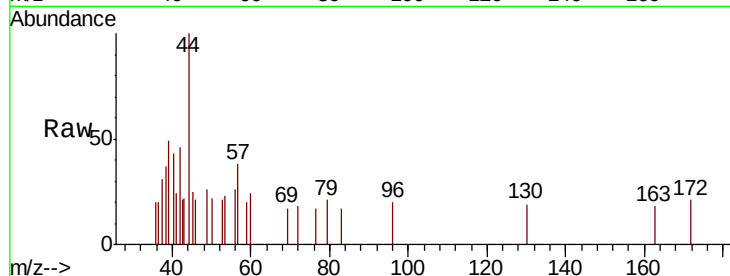
Tot Ion: 42 Resp: 532

Ion Ratio Lower Upper

42 100

72 10.3 40.6 60.8#

71 0.0 37.8 56.8#



#33

1,2-Dichloroethane-d4

Concen: 49.151 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010508.D

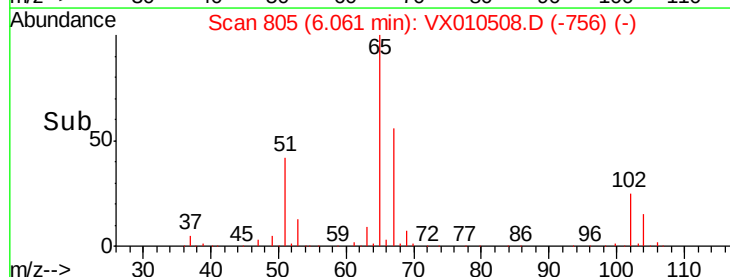
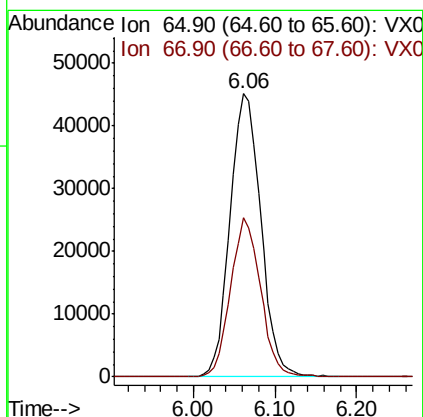
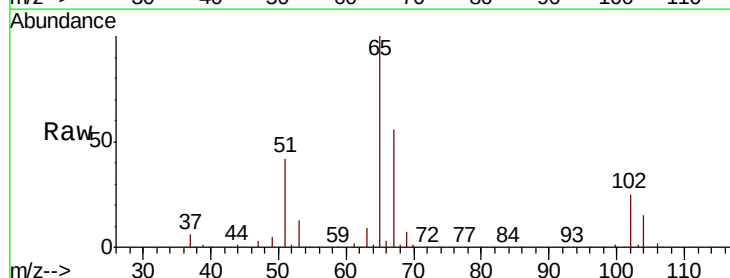
Acq: 28 Jun 2019 00:40

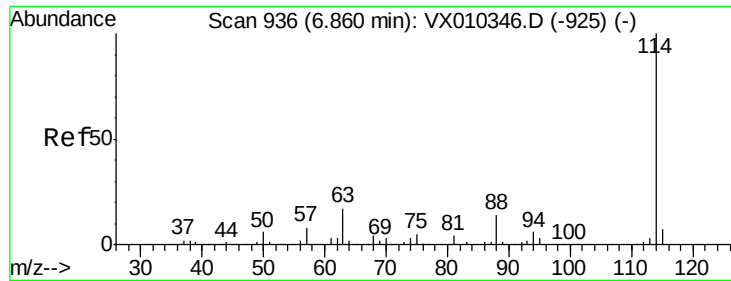
Tgt Ion: 65 Resp: 117945

Ion Ratio Lower Upper

65 100

67 54.7 0.0 110.2

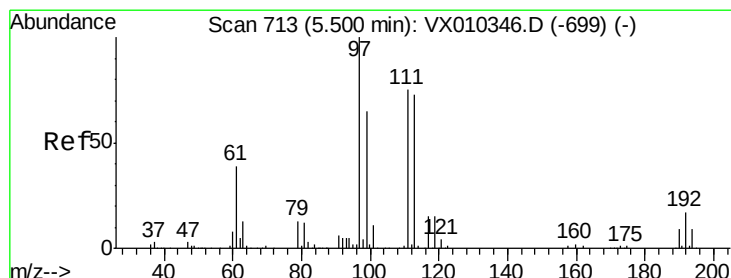
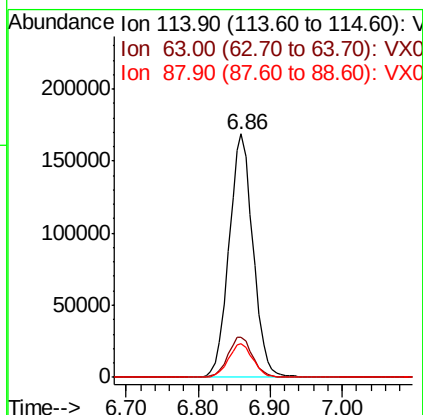
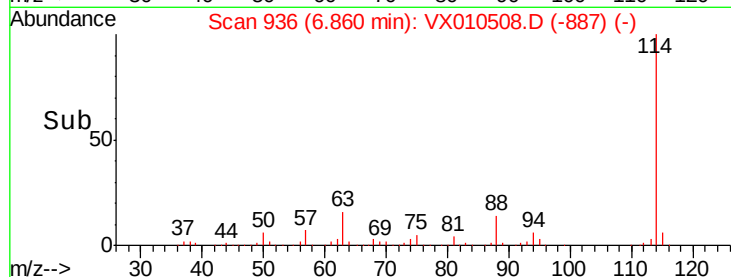
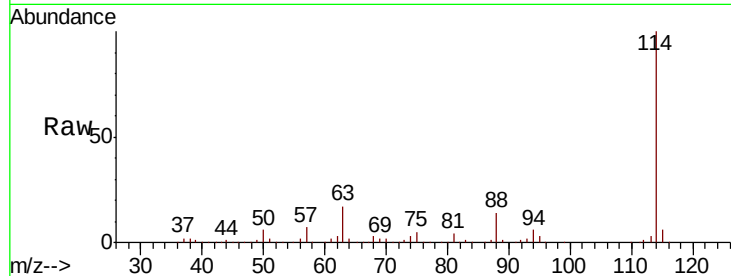




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010508.D
Acq: 28 Jun 2019 00:40

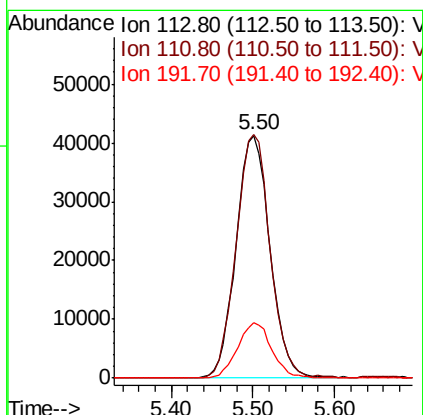
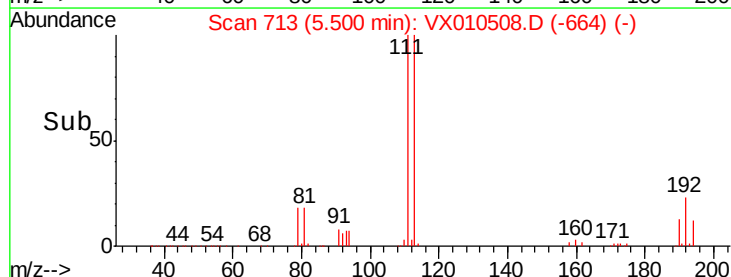
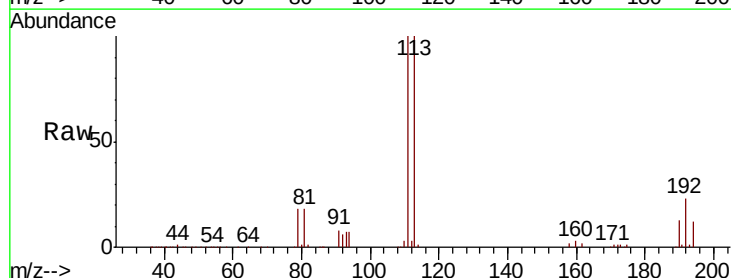
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

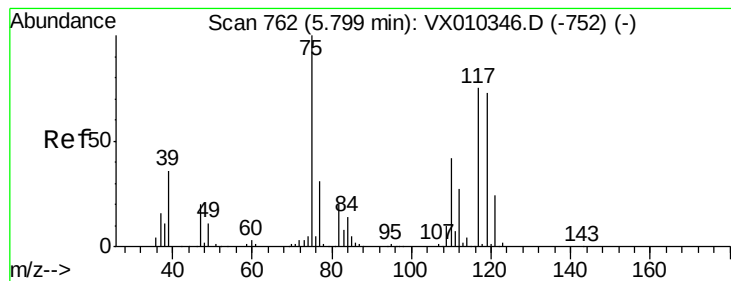
Tot Ion:114 Resp: 389800
Ion Ratio Lower Upper
114 100
63 16.5 0.0 33.8
88 13.7 0.0 27.6



#35
Dibromofluoromethane
Concen: 49.817 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010508.D
Acq: 28 Jun 2019 00:40

Tgt Ion:113 Resp: 118811
Ion Ratio Lower Upper
113 100
111 101.1 81.2 121.8
192 23.0 18.6 27.8





#36

1,1-Dichloropropene

Concen: 4.947 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010508.D

Acq: 28 Jun 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

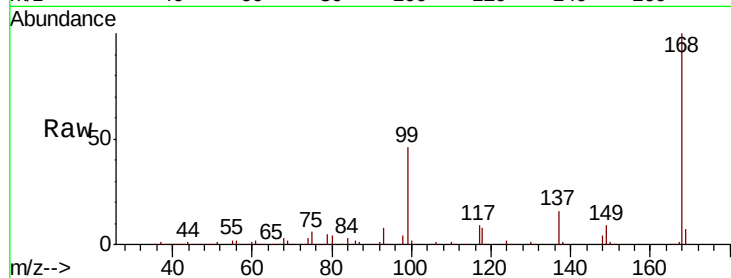
Tot Ion: 75 Resp: 15324

Ion Ratio Lower Upper

75 100

110 10.5 20.8 62.2#

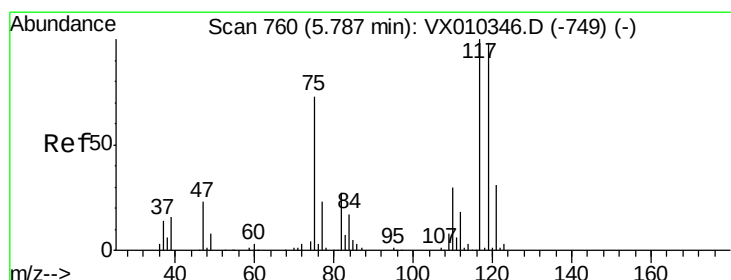
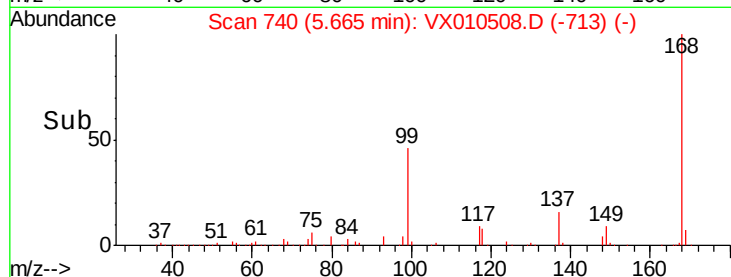
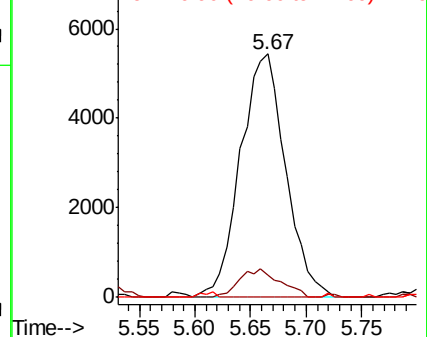
77 0.0 25.4 38.0#



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: 6.835 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010508.D

Acq: 28 Jun 2019 00:40

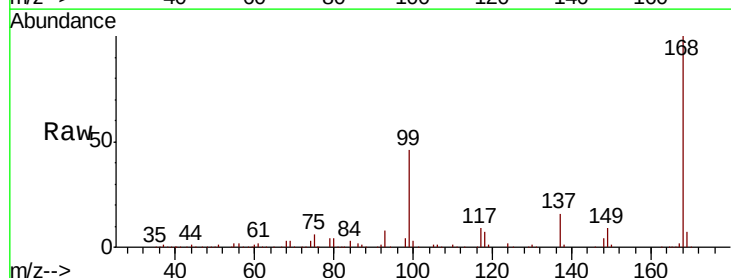
Tgt Ion: 117 Resp: 22927

Ion Ratio Lower Upper

117 100

119 5.6 78.2 117.4#

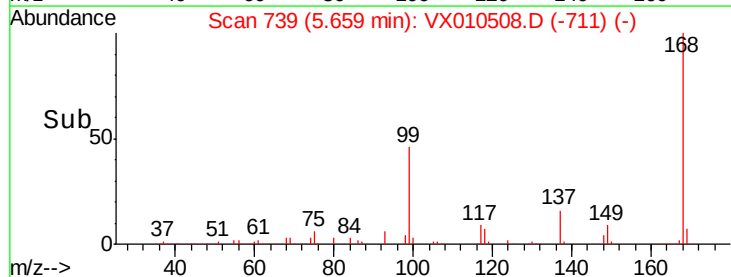
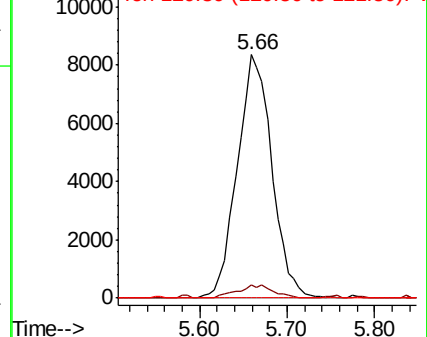
121 0.0 24.7 37.1#

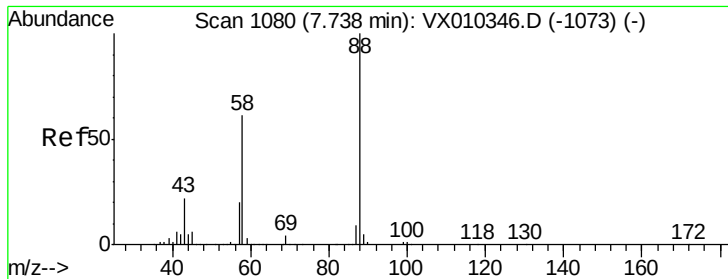


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

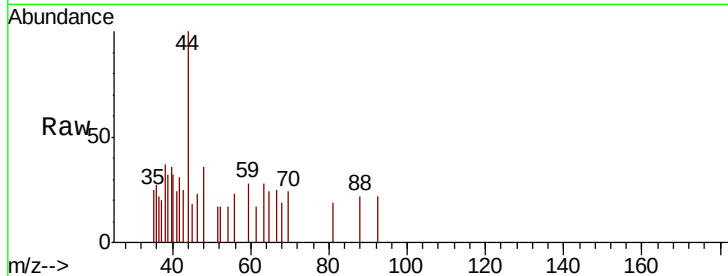




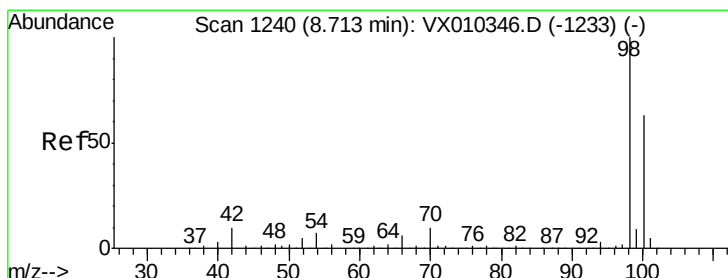
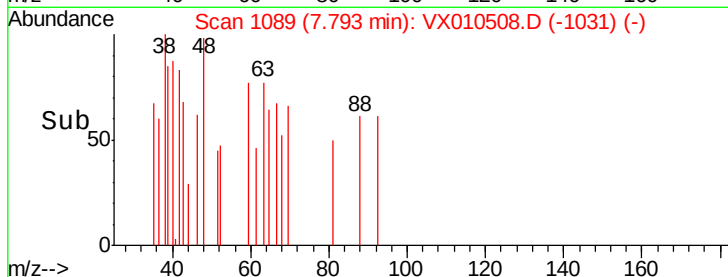
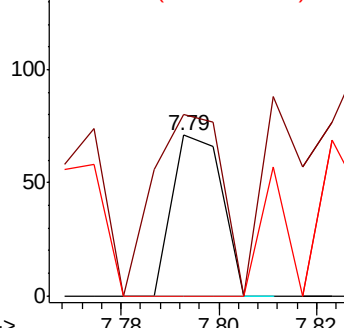
#49
1,4-Dioxane
Concen: 0.708 ug/l
RT: 7.79 min Scan# 1089
Delta R.T. 0.06 min
Lab File: VX010508.D
Acq: 28 Jun 2019 00:40

Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

Tot Ion: 88 Resp: 50
Ion Ratio Lower Upper
88 100
43 156.0 20.2 30.2#
58 0.0 49.5 74.3#

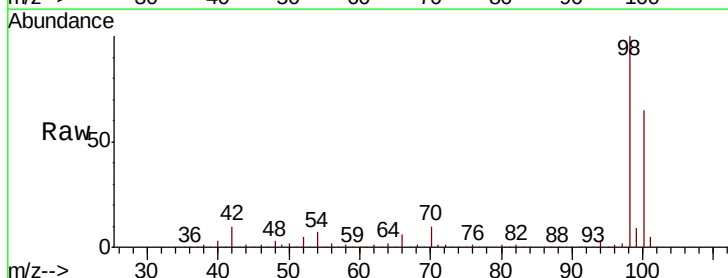


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

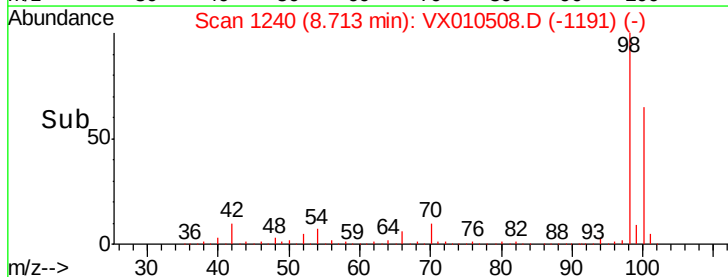
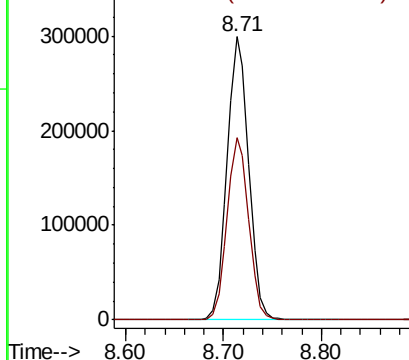


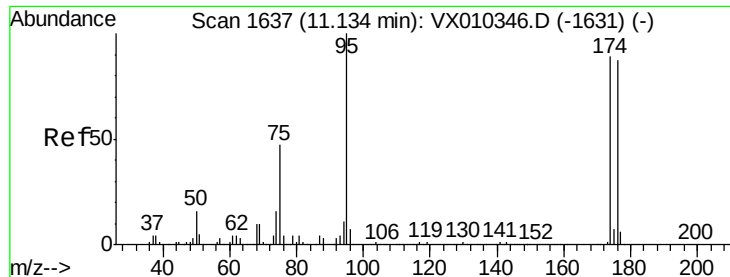
#50
Toluene-d8
Concen: 50.263 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010508.D
Acq: 28 Jun 2019 00:40

Tgt Ion: 98 Resp: 458619
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



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

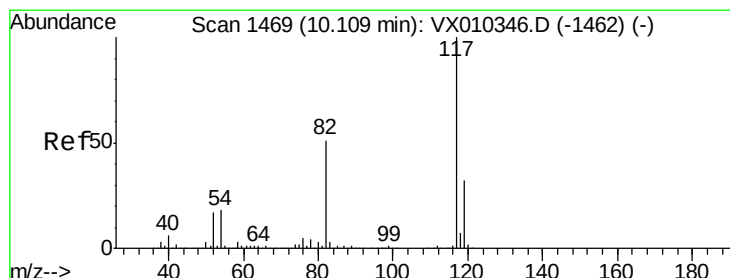
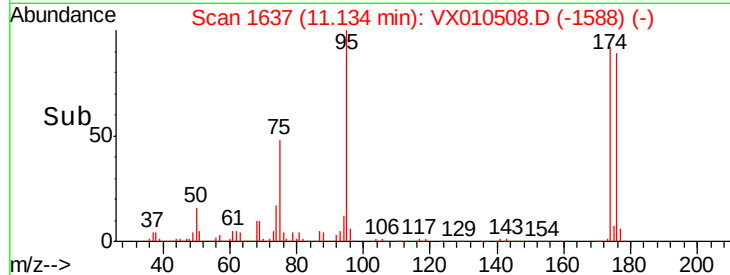
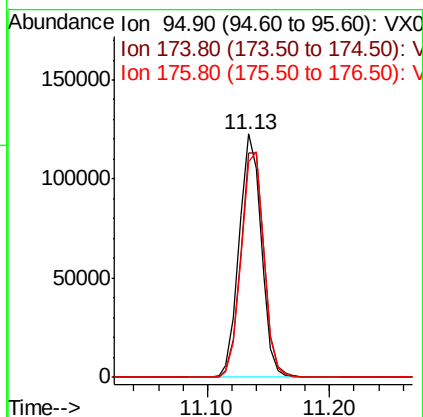
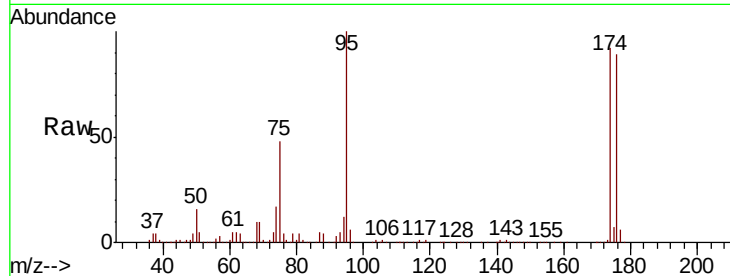




#62
4-Bromofluorobenzene
Concen: 46.390 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010508.D
Acq: 28 Jun 2019 00:40

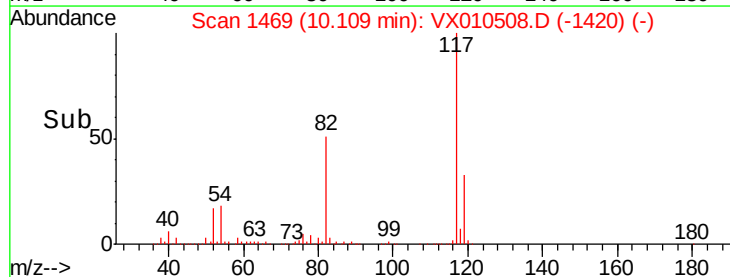
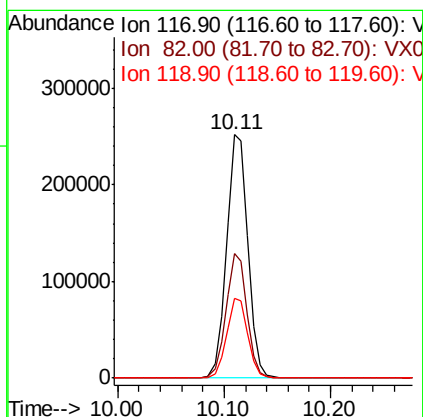
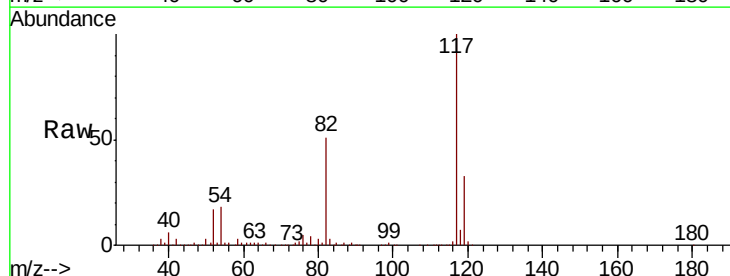
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

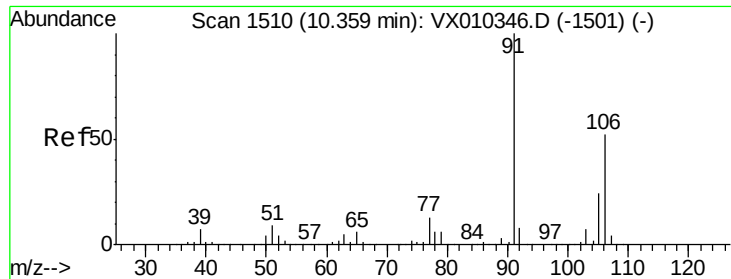
Tot Ion: 95 Resp: 152816
Ion Ratio Lower Upper
95 100
174 96.9 0.0 187.6
176 94.5 0.0 184.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010508.D
Acq: 28 Jun 2019 00:40

Tgt Ion: 117 Resp: 353295
Ion Ratio Lower Upper
117 100
82 51.1 41.2 61.8
119 32.9 25.5 38.3

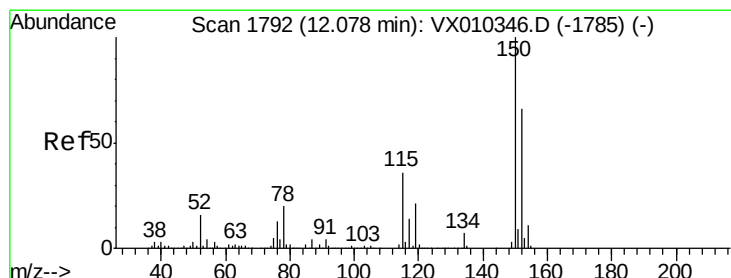
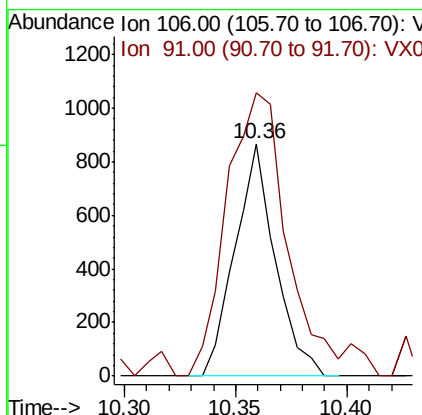
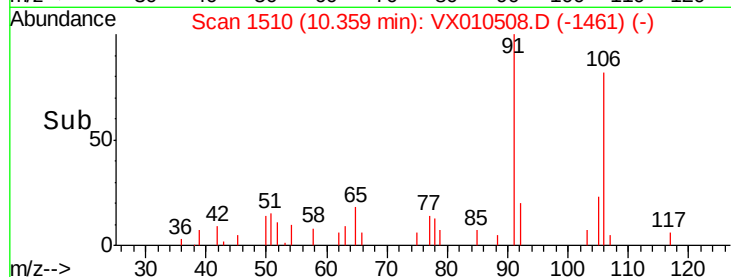
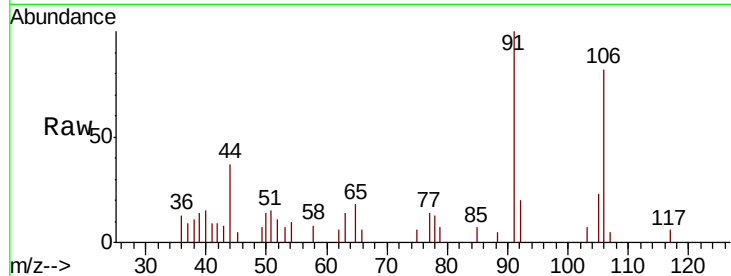




#68
m/p-Xvlenes
Concen: 0.233 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010508.D
Acq: 28 Jun 2019 00:40

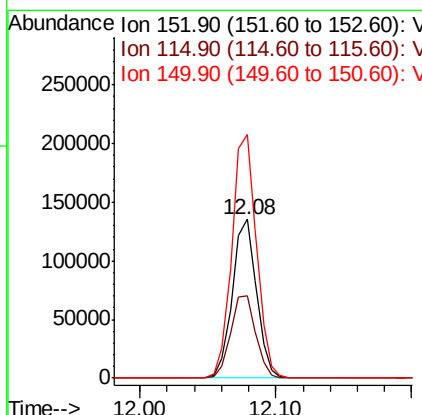
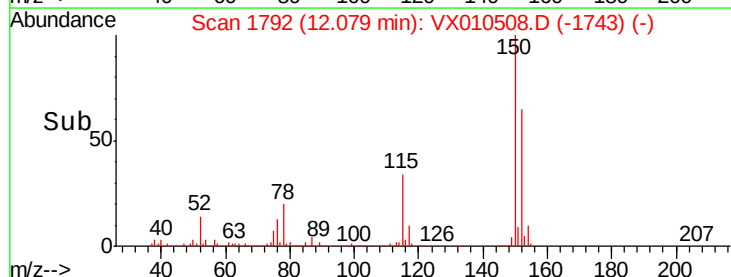
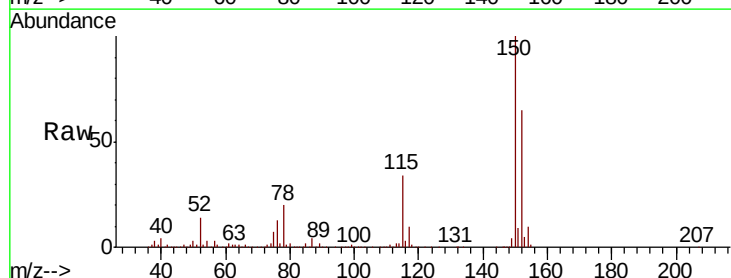
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

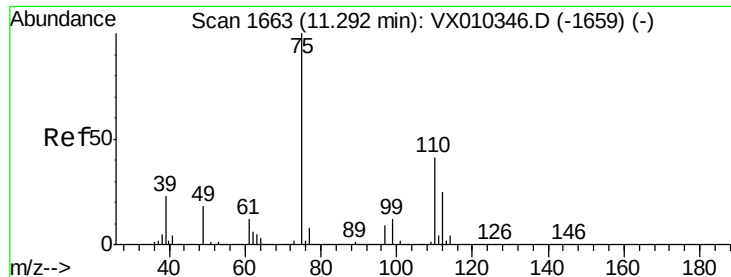
Tot Ion:106 Resp: 1092
Ion Ratio Lower Upper
106 100
91 188.2 155.3 232.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010508.D
Acq: 28 Jun 2019 00:40

Tgt Ion:152 Resp: 166734
Ion Ratio Lower Upper
152 100
115 54.1 38.6 115.7
150 156.0 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 24.457 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010508.D

Acq: 28 Jun 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

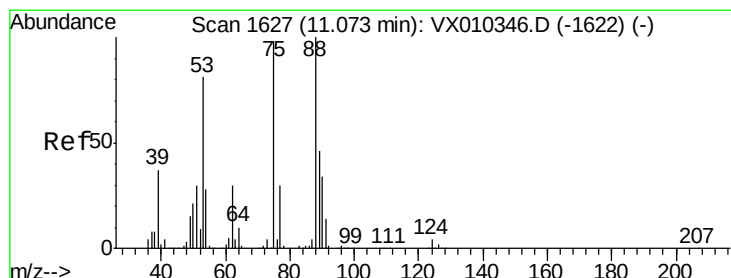
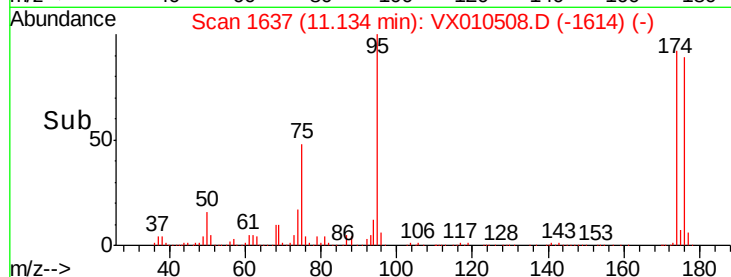
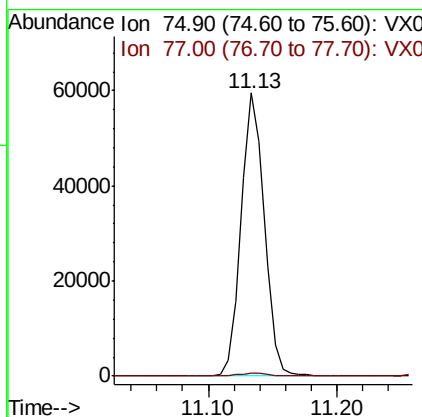
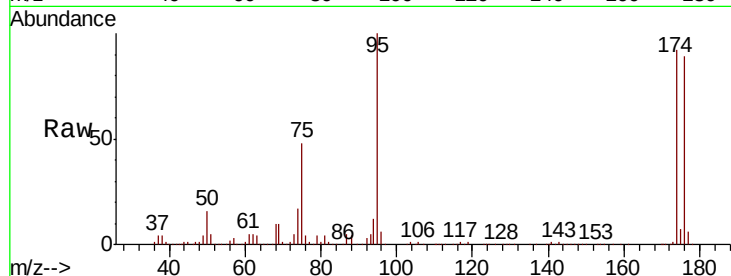
TRIP-BLANK

Tot Ion: 75 Resp: 74308

Ion Ratio Lower Upper

75 100

77 1.4 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.055 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010508.D

Acq: 28 Jun 2019 00:40

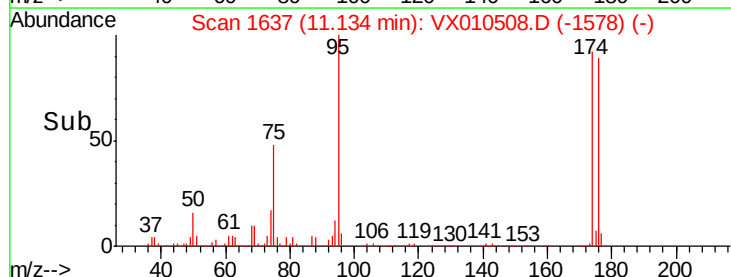
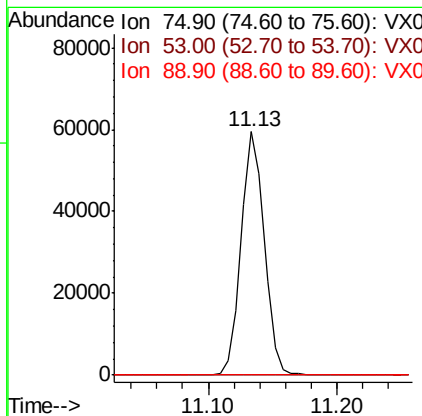
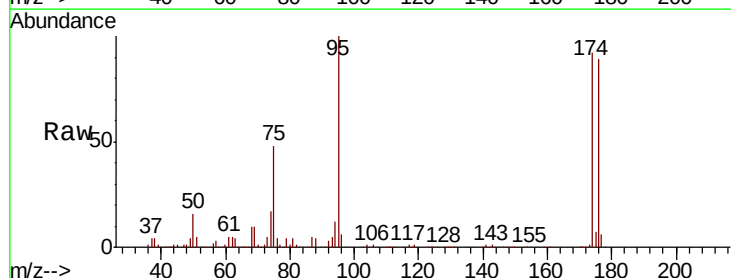
Tgt Ion: 75 Resp: 74308

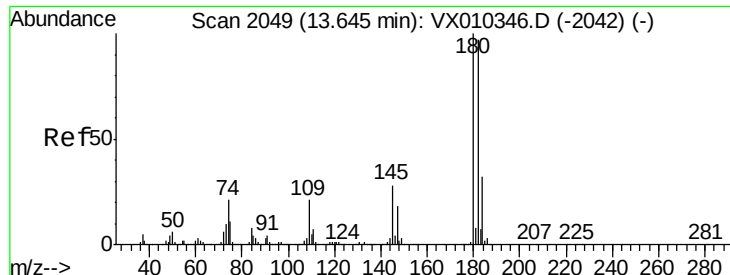
Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

89 0.0 37.8 56.6#





#93

1,2,4-Trichlorobenzene

Concen: 0.233 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX010508.D

Acq: 28 Jun 2019 00:40

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

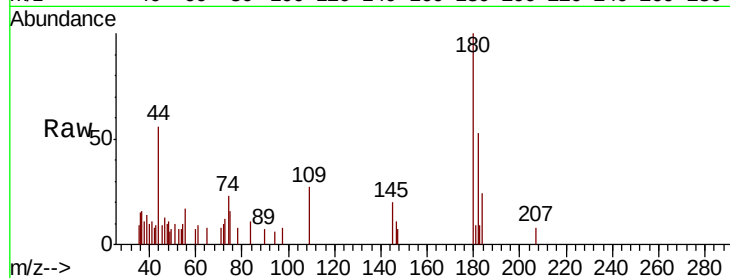
Tot Ion:180 Resp: 885

Ion Ratio Lower Upper

180 100

182 78.1 48.0 144.0

145 28.1 14.4 43.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

