

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070919\
 Data File : VX010740.D
 Acq On : 09 Jul 2019 11:07
 Operator : JC/SP
 Sample : K3705-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VO-TRIP-BLANK

Quant Time: Jul 09 11:42:42 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	240300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	372589	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	340166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	157741	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	118538	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	
35) Dibromofluoromethane	5.49	113	114348	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
50) Toluene-d8	8.71	98	442808	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	11.13	95	150912	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	

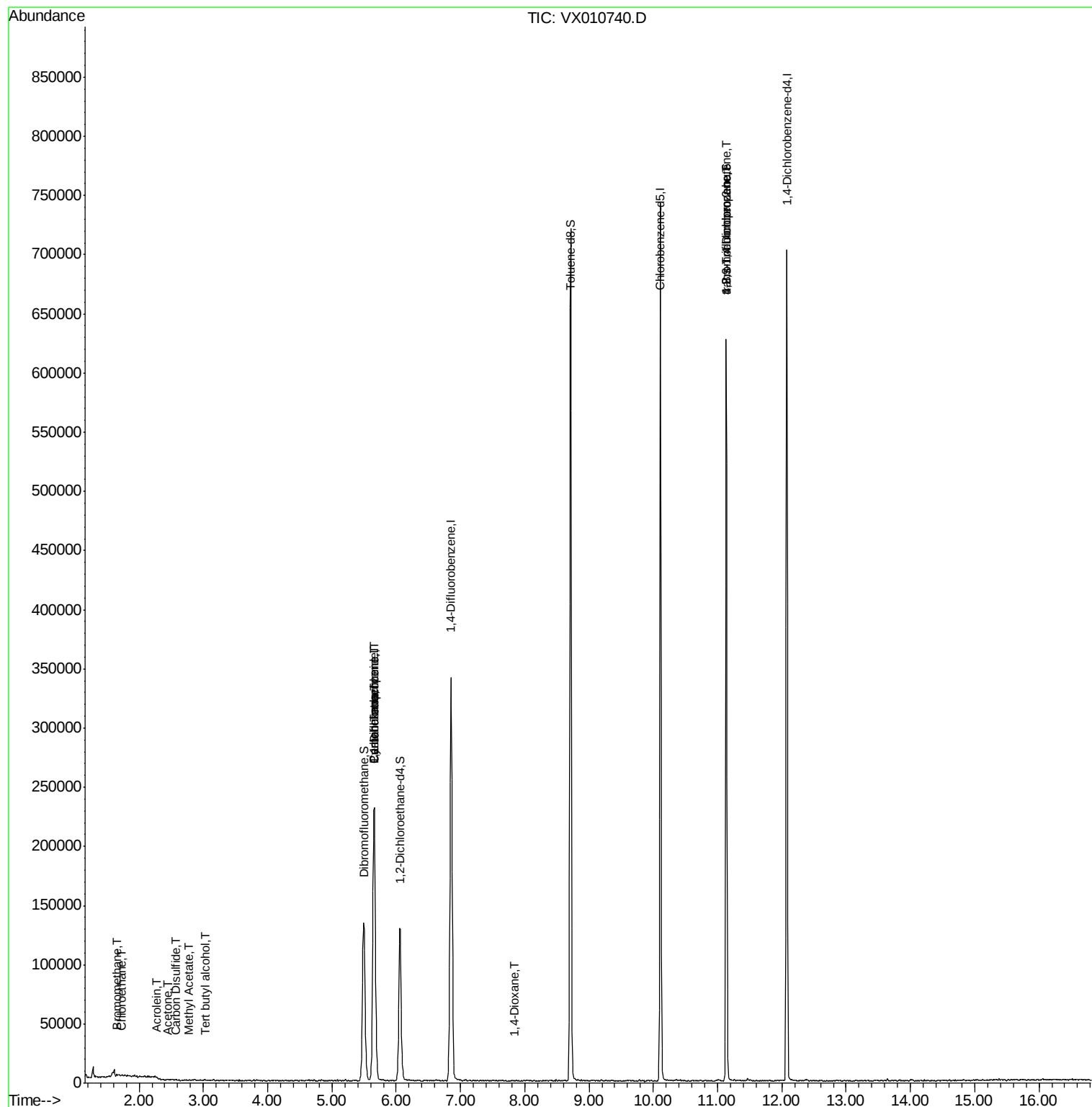
Target Compounds						Qvalue
5) Bromomethane	1.65	94	897	0.864	ug/l	90
6) Chloroethane	1.73	64	352	0.280	ug/l #	41
11) Tert butyl alcohol	3.03	59	486	0.824	ug/l #	82
13) Acrolein	2.28	56	248	0.634	ug/l	91
16) Acetone	2.44	43	339	0.300	ug/l #	30
17) Carbon Disulfide	2.57	76	1144	0.205	ug/l #	91
18) Methyl Acetate	2.77	43	504	0.224	ug/l #	83
31) Cyclohexane	5.65	56	4565	1.403	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15520	5.242	ug/l #	47
38) Carbon Tetrachloride	5.65	117	21263	6.632	ug/l #	16
49) 1,4-Dioxane	7.84	88	22	0.326	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	74279	25.841	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	74279	60.285	ug/l #	16

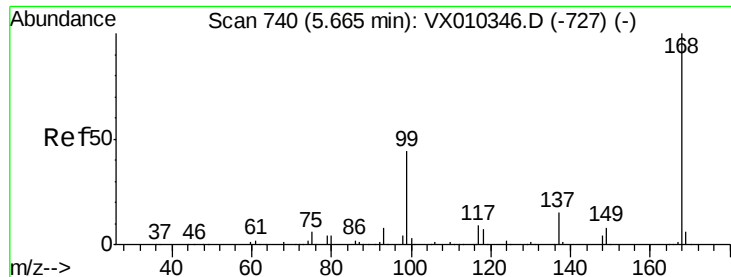
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX070919\
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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: VX010740.D

Acq: 09 Jul 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

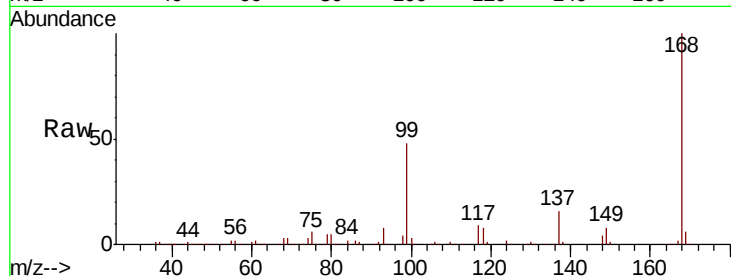
VO-TRIP-BLANK

Tgt Ion:168 Resp: 240300

Ion Ratio Lower Upper

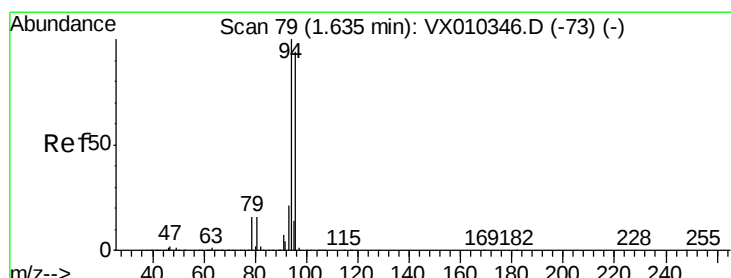
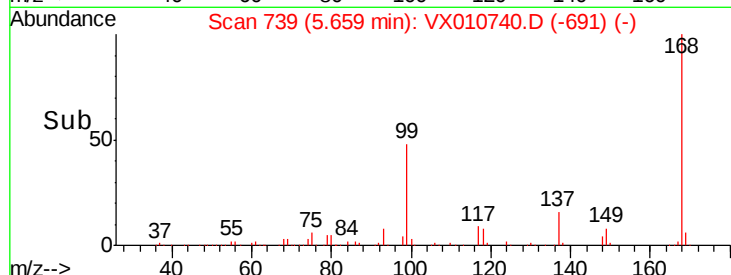
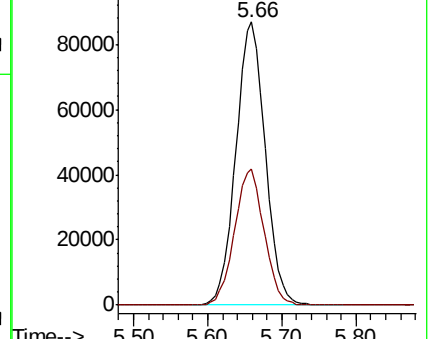
168 100

99 47.9 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.864 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010740.D

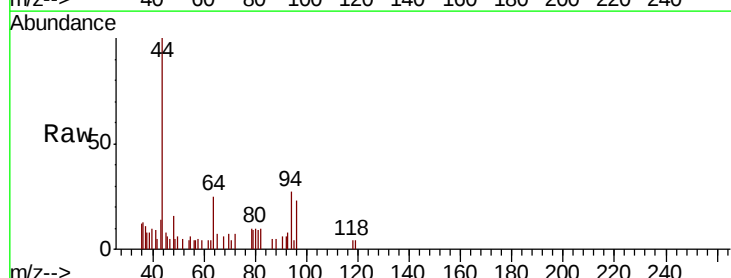
Acq: 09 Jul 2019 11:07

Tgt Ion: 94 Resp: 897

Ion Ratio Lower Upper

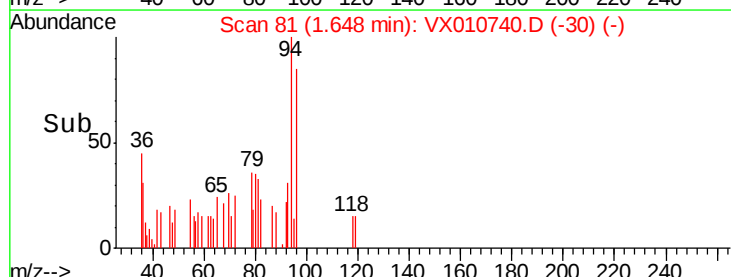
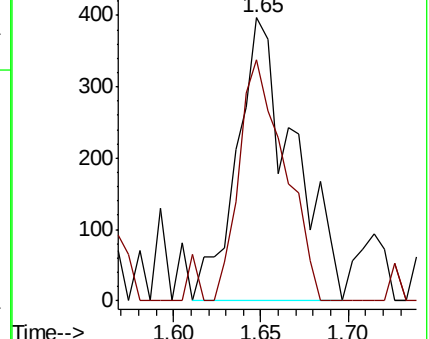
94 100

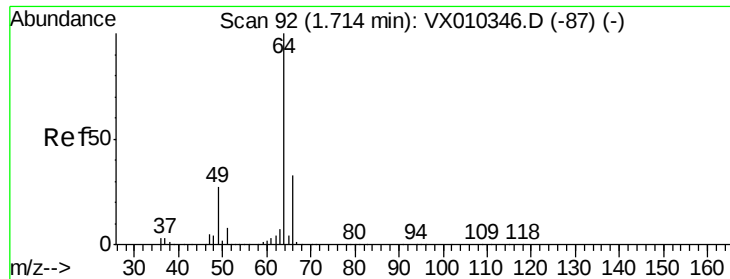
96 85.1 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.280 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX010740.D

Acq: 09 Jul 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

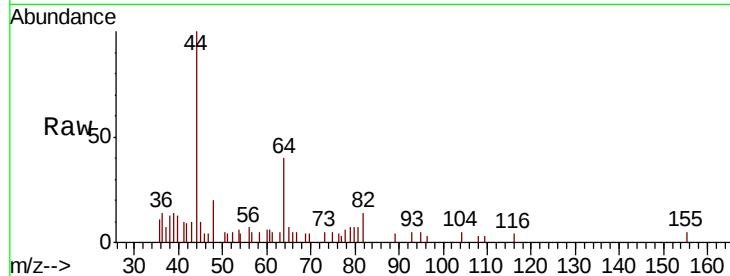
VO-TRIP-BLANK

Tgt Ion: 64 Resp: 352

Ion Ratio Lower Upper

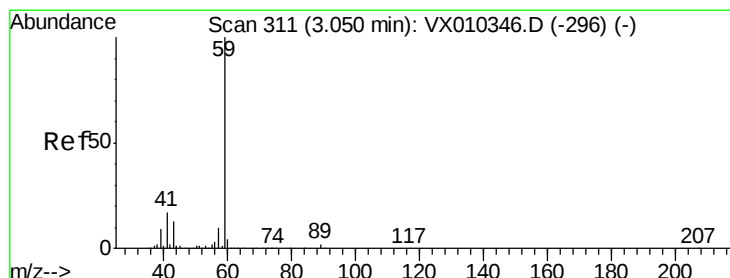
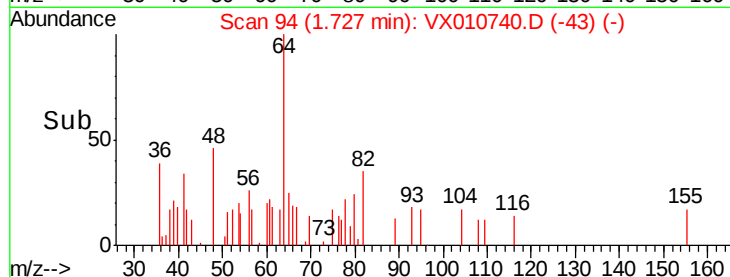
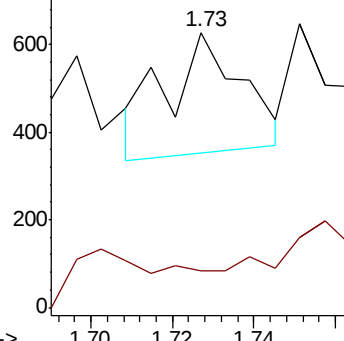
64 100

66 0.0 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: 0.824 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.02 min

Lab File: VX010740.D

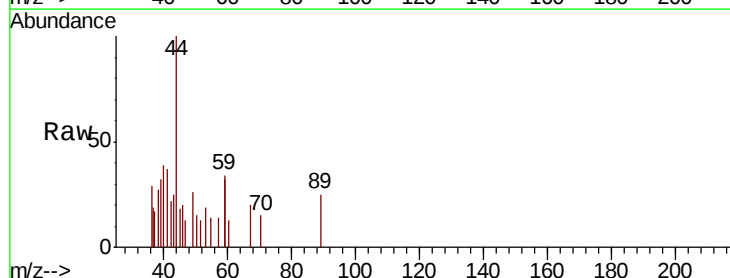
Acq: 09 Jul 2019 11:07

Tgt Ion: 59 Resp: 486

Ion Ratio Lower Upper

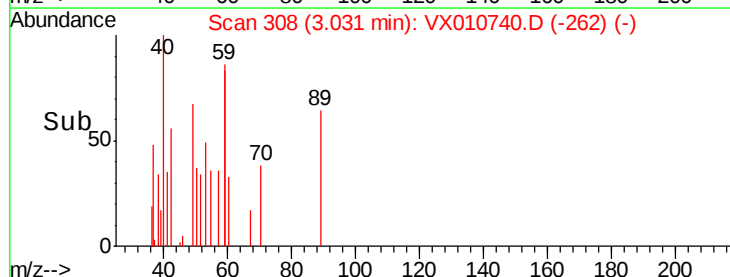
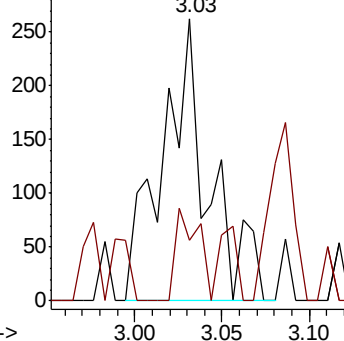
59 100

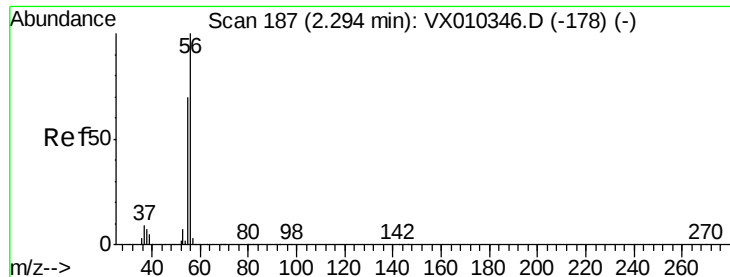
57 16.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.634 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX010740.D

Acq: 09 Jul 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

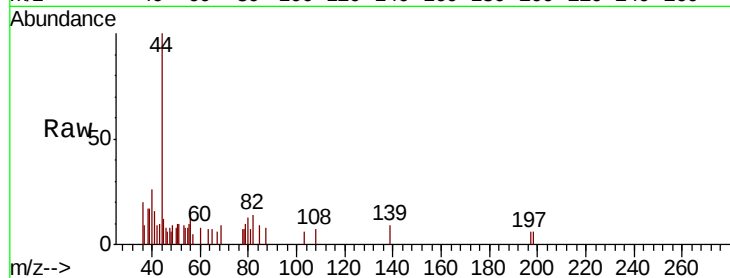
VO-TRIP-BLANK

Tgt Ion: 56 Resp: 248

Ion Ratio Lower Upper

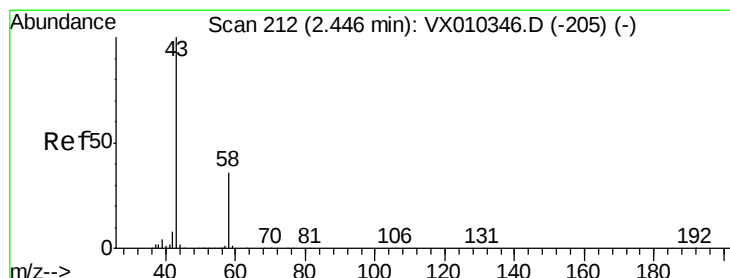
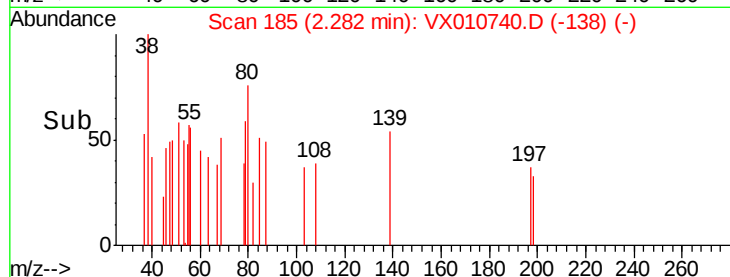
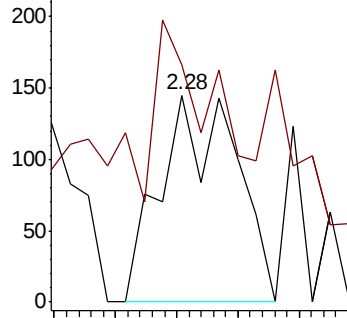
56 100

55 63.3 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.300 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010740.D

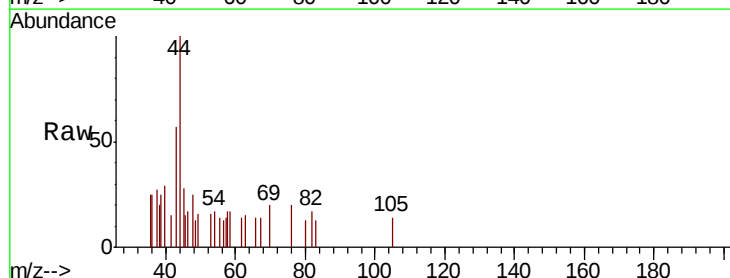
Acq: 09 Jul 2019 11:07

Tgt Ion: 43 Resp: 339

Ion Ratio Lower Upper

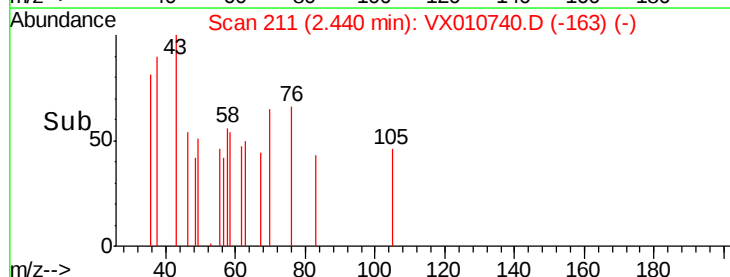
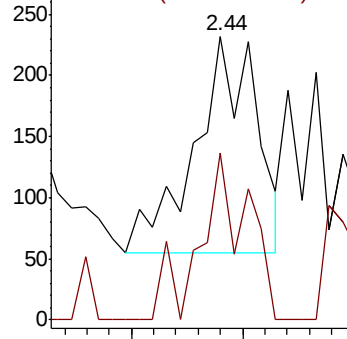
43 100

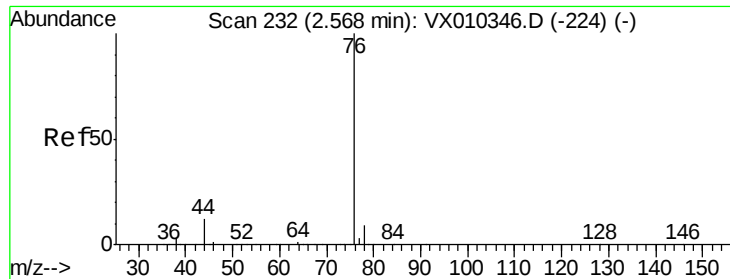
58 77.4 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.205 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010740.D

Acq: 09 Jul 2019 11:07

Instrument :

MSVOA_X

ClientSampled :

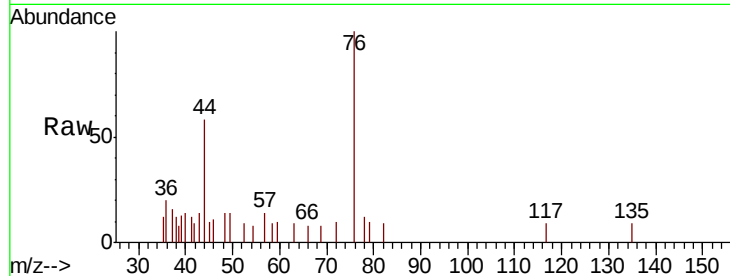
VO-TRIP-BLANK

Tgt Ion: 76 Resp: 1144

Ion Ratio Lower Upper

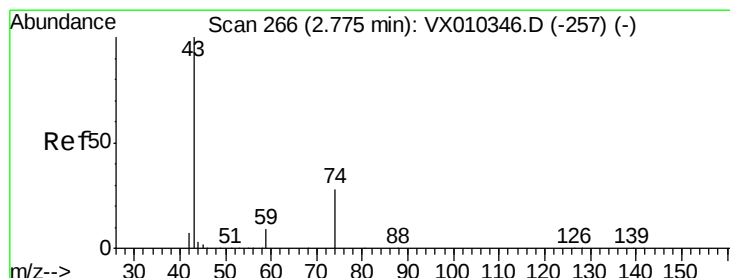
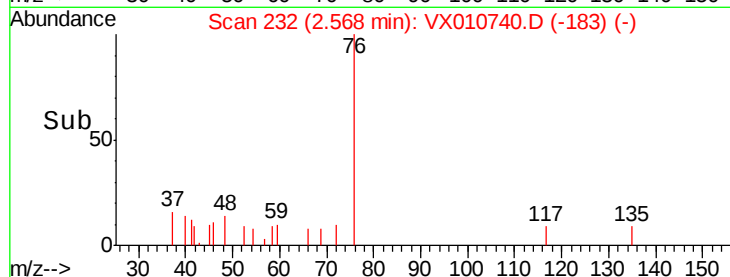
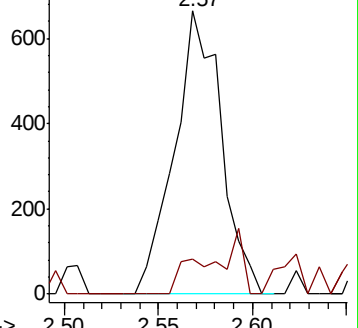
76 100

78 12.3 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.224 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX010740.D

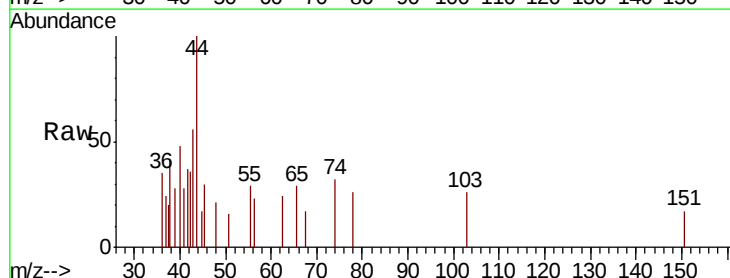
Acq: 09 Jul 2019 11:07

Tgt Ion: 43 Resp: 504

Ion Ratio Lower Upper

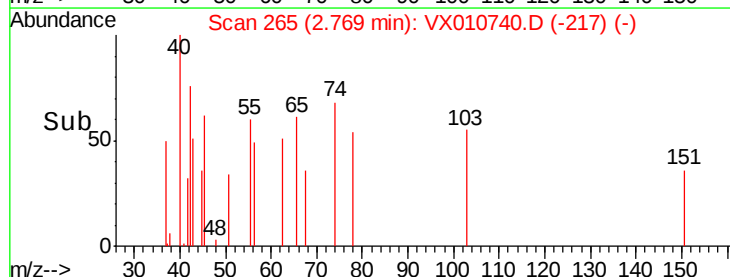
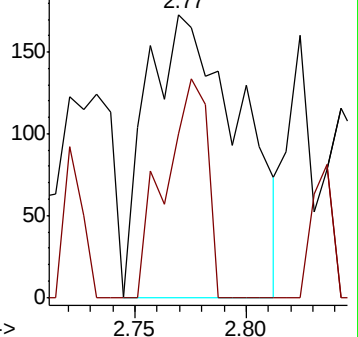
43 100

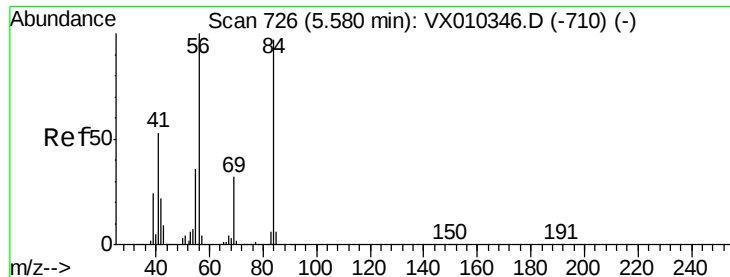
74 35.3 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

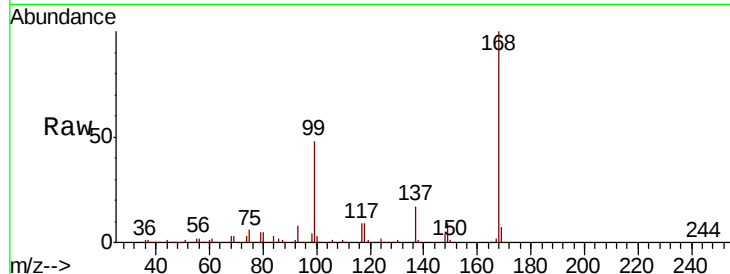




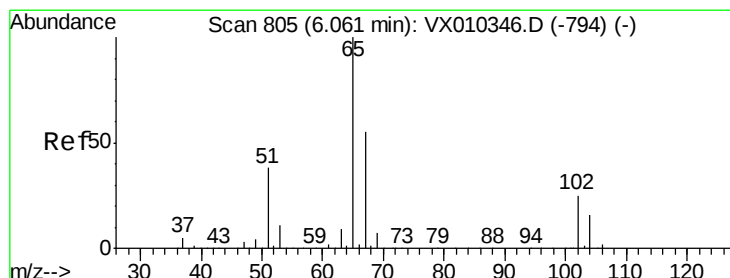
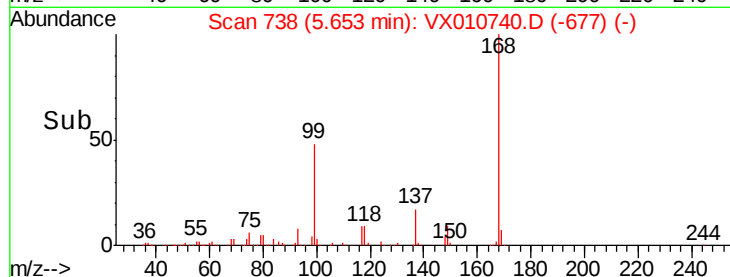
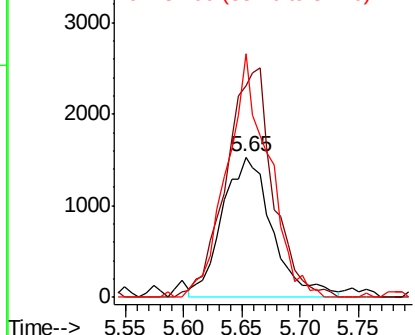
#31
Cyclohexane
Concen: 1.403 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX010740.D
Acq: 09 Jul 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VO-TRIP-BLANK

Tgt Ion: 56 Resp: 4565
Ion Ratio Lower Upper
56 100
69 157.3 25.9 38.9#
84 180.6 78.0 117.0#

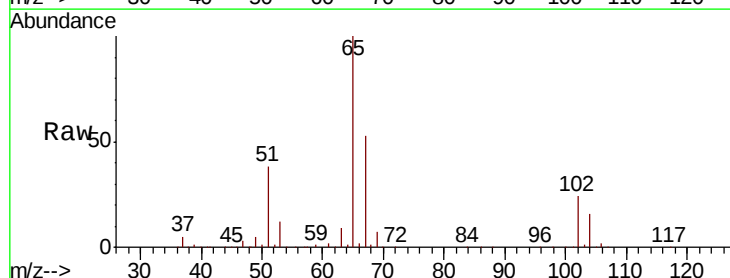


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

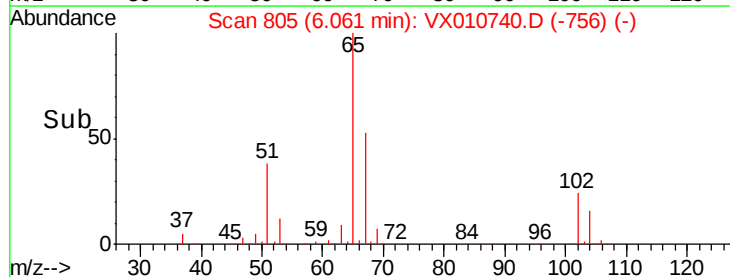
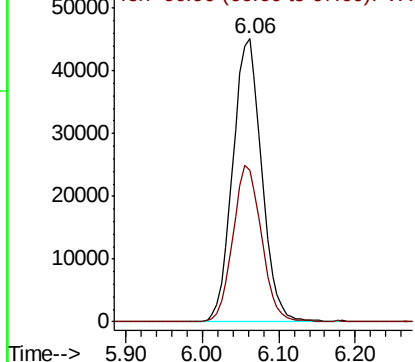


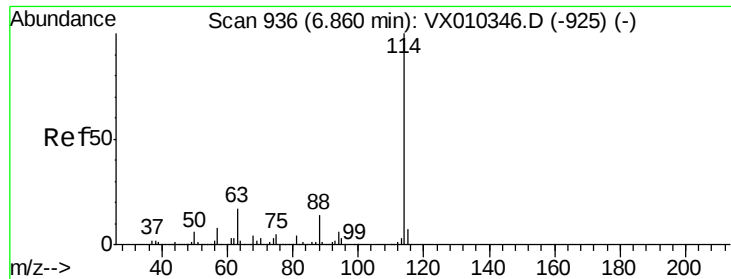
#33
1,2-Dichloroethane-d4
Concen: 52.612 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010740.D
Acq: 09 Jul 2019 11:07

Tgt Ion: 65 Resp: 118538
Ion Ratio Lower Upper
65 100
67 54.5 0.0 110.2



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. -0.01 min

Lab File: VX010740.D

Acq: 09 Jul 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VO-TRIP-BLANK

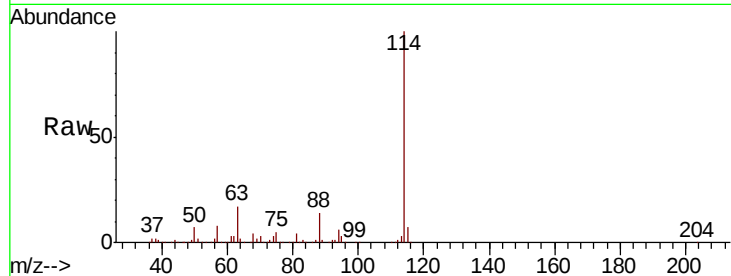
Tgt Ion:114 Resp: 372589

Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.8

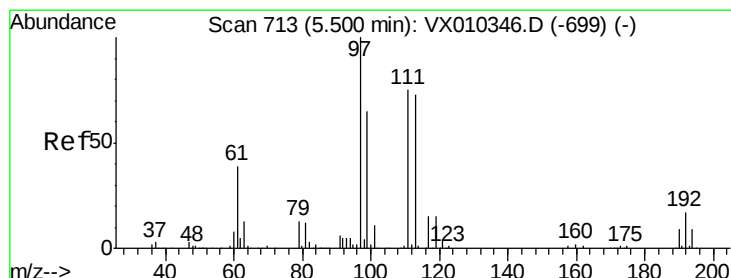
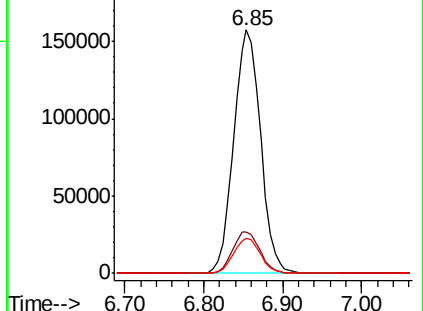
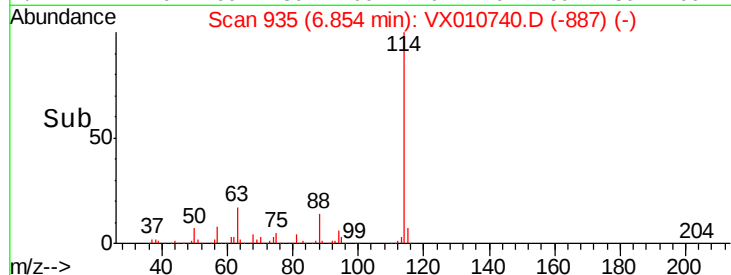
88 14.3 0.0 27.6



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: 50.161 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010740.D

Acq: 09 Jul 2019 11:07

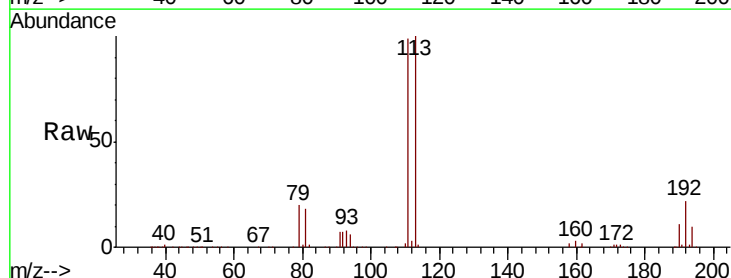
Tgt Ion:113 Resp: 114348

Ion Ratio Lower Upper

113 100

111 101.9 81.2 121.8

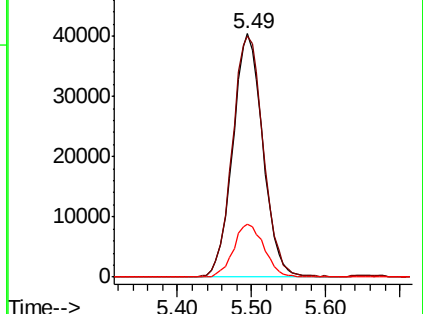
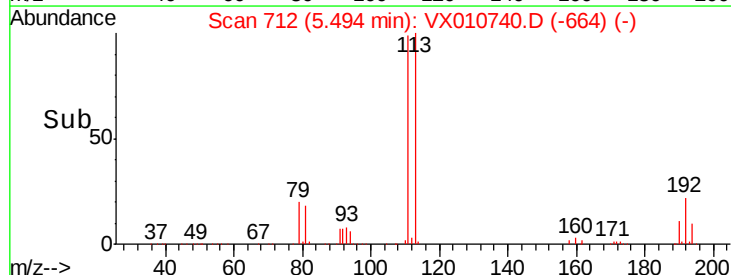
192 22.0 18.6 27.8

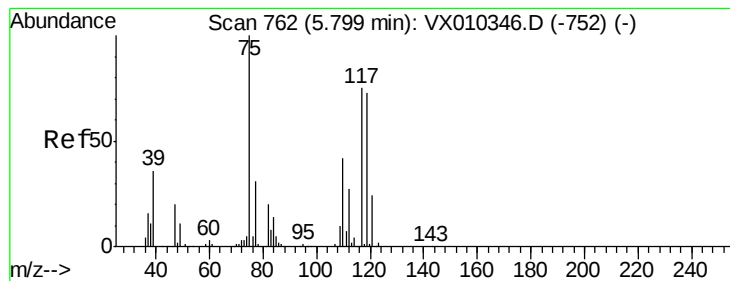


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.242 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX010740.D

Acq: 09 Jul 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VO-TRIP-BLANK

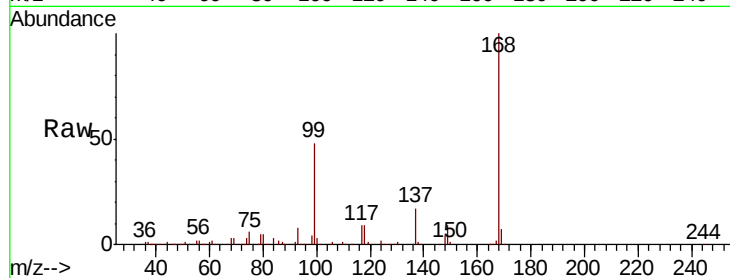
Tgt Ion: 75 Resp: 15520

Ion Ratio Lower Upper

75 100

110 10.1 20.8 62.2#

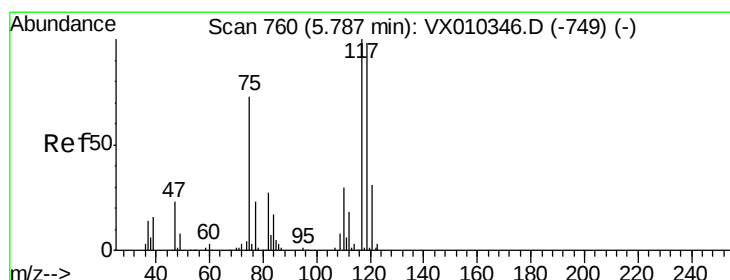
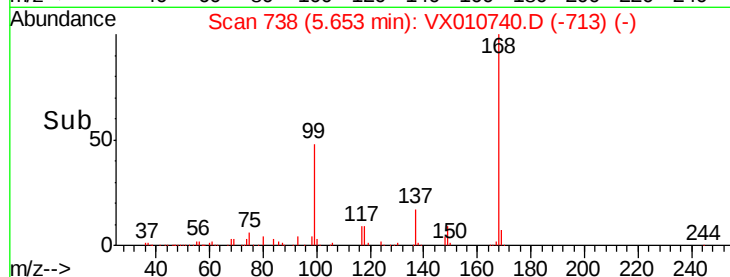
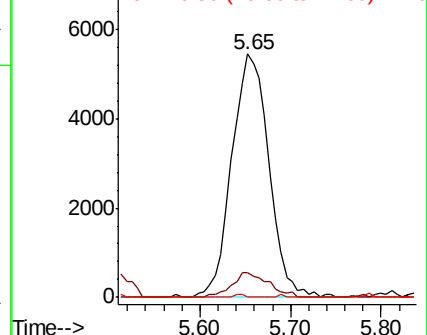
77 0.3 25.4 38.0#



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: 6.632 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX010740.D

Acq: 09 Jul 2019 11:07

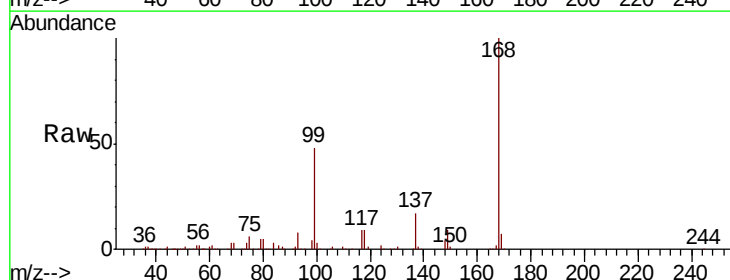
Tgt Ion: 117 Resp: 21263

Ion Ratio Lower Upper

117 100

119 6.2 78.2 117.4#

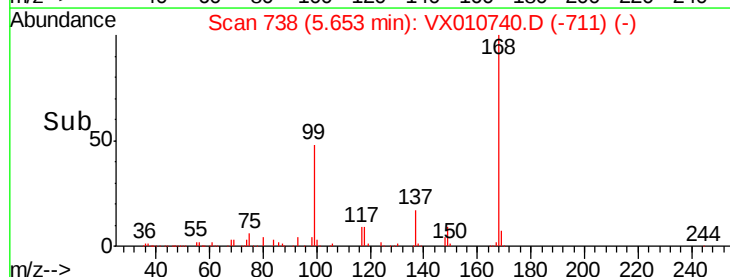
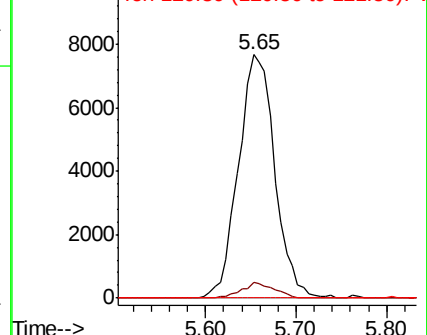
121 0.0 24.7 37.1#

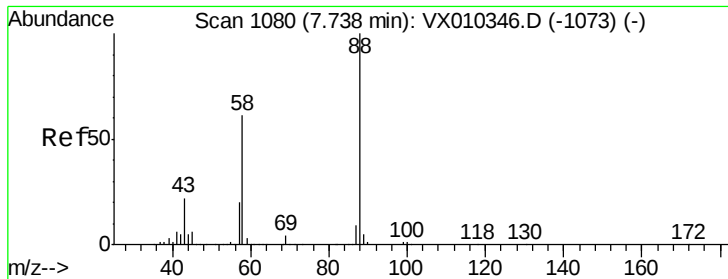


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

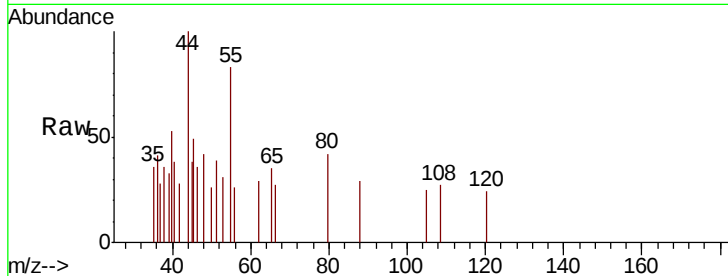




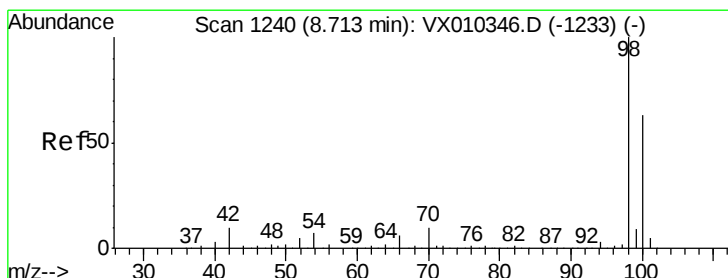
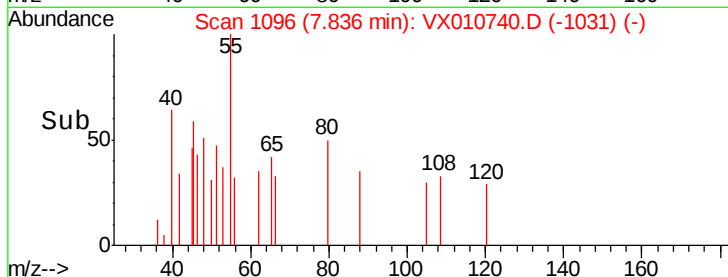
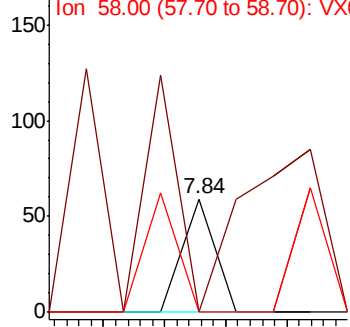
#49
1,4-Dioxane
Concen: 0.326 ug/l
RT: 7.84 min Scan# 1096
Delta R.T. 0.10 min
Lab File: VX010740.D
Acq: 09 Jul 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VO-TRIP-BLANK

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 209.1 20.2 30.2#
58 104.5 49.5 74.3#

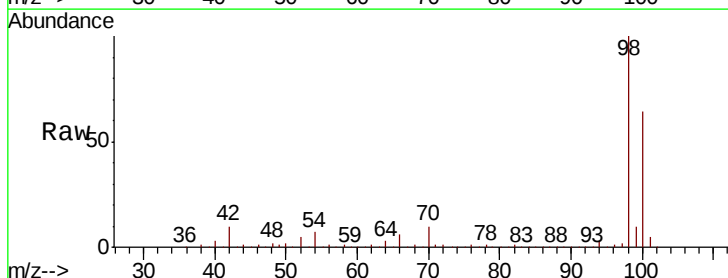


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

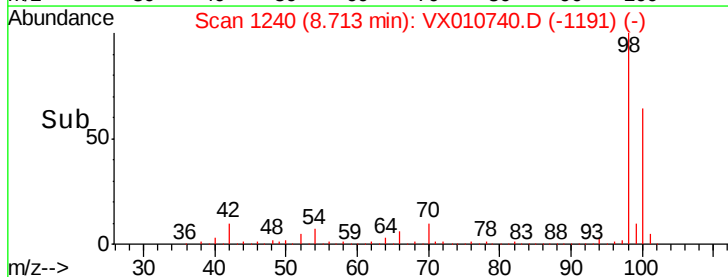
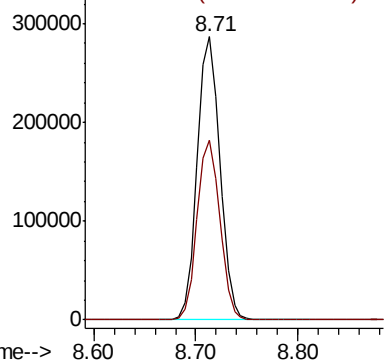


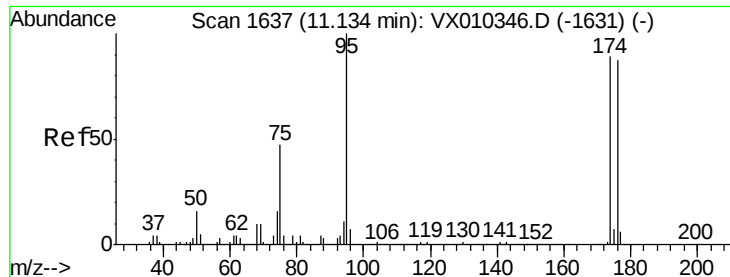
#50
Toluene-d8
Concen: 50.772 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010740.D
Acq: 09 Jul 2019 11:07

Tgt Ion: 98 Resp: 442808
Ion Ratio Lower Upper
98 100
100 63.8 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: 47.929 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010740.D

Acq: 09 Jul 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VO-TRIP-BLANK

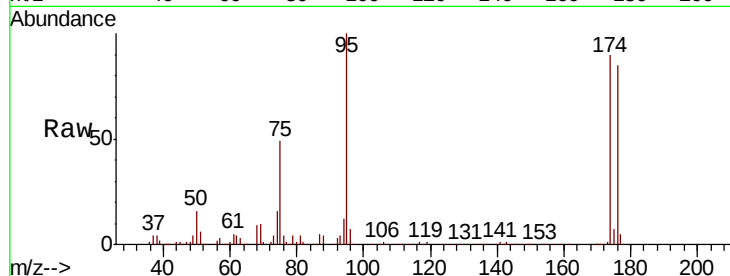
Tgt Ion: 95 Resp: 150912

Ion Ratio Lower Upper

95 100

174 94.1 0.0 187.6

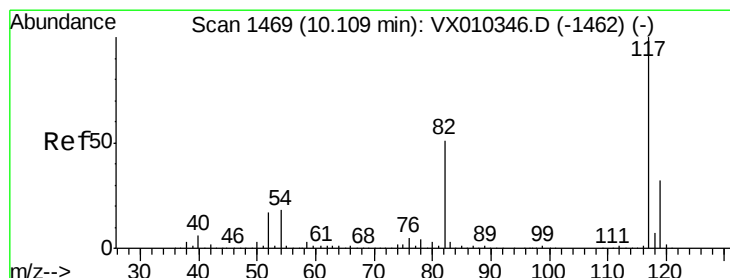
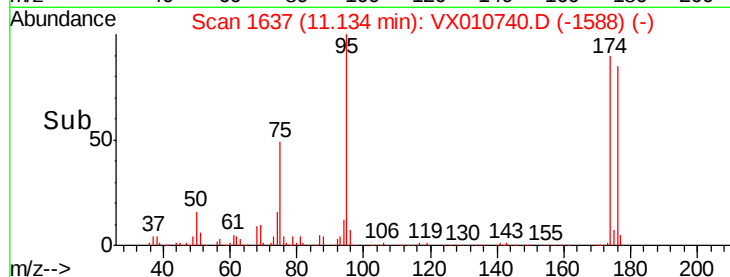
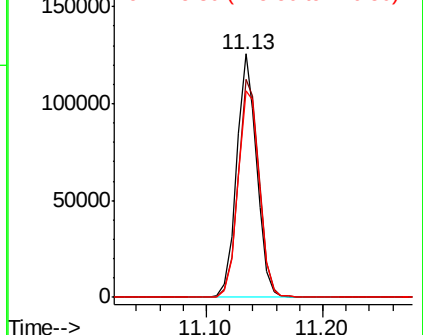
176 91.2 0.0 184.0



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: VX010740.D

Acq: 09 Jul 2019 11:07

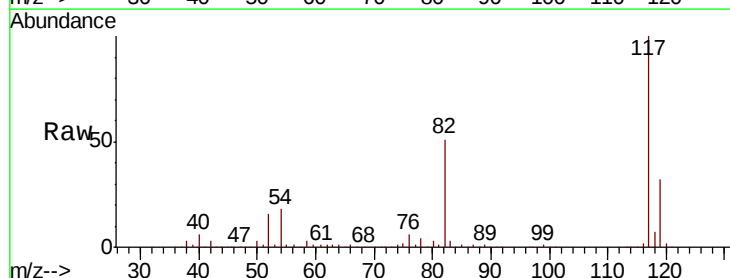
Tgt Ion: 117 Resp: 340166

Ion Ratio Lower Upper

117 100

82 50.6 41.2 61.8

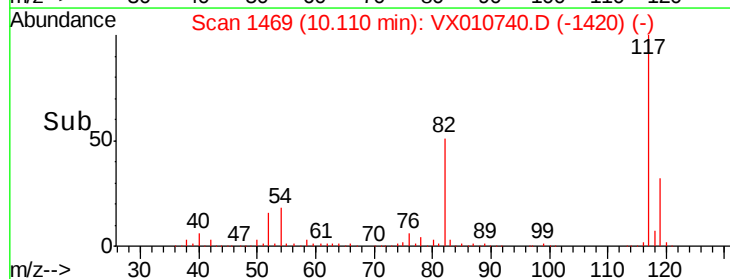
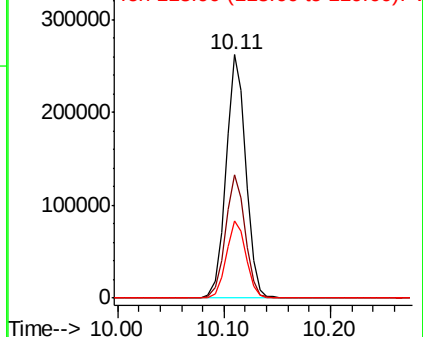
119 31.5 25.5 38.3

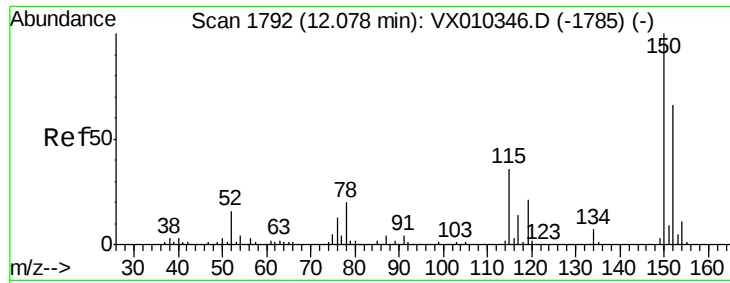


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX010740.D

Acq: 09 Jul 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VO-TRIP-BLANK

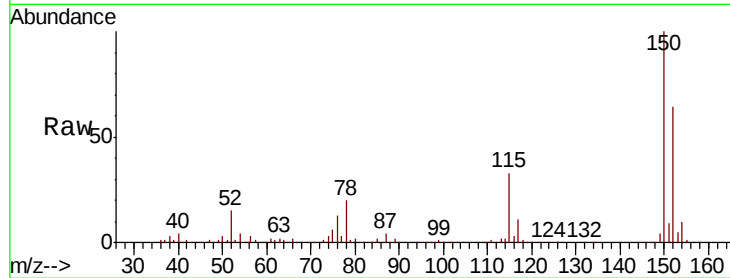
Tgt Ion:152 Resp: 157741

Ion Ratio Lower Upper

152 100

115 54.8 38.6 115.7

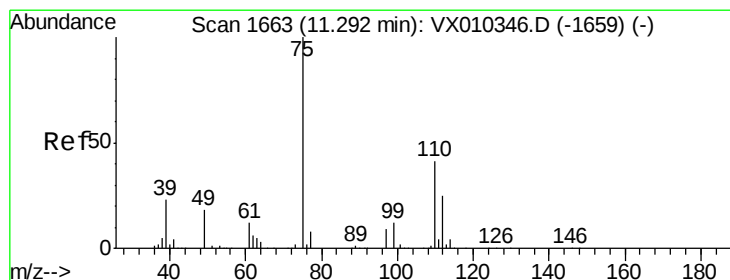
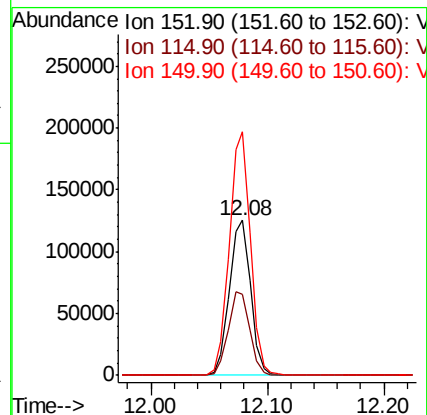
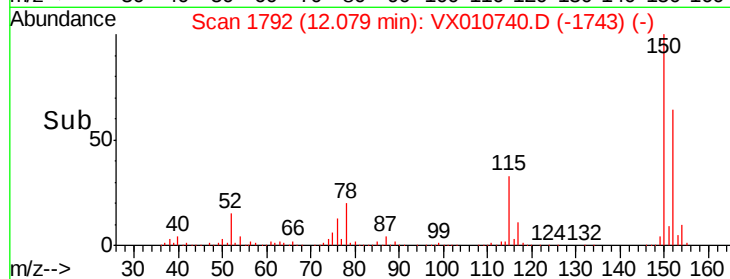
150 155.4 0.0 347.4



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: 25.841 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010740.D

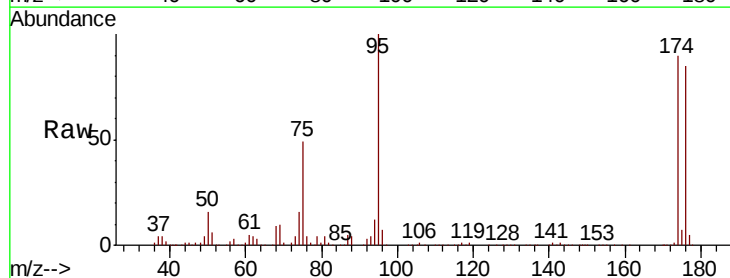
Acq: 09 Jul 2019 11:07

Tgt Ion: 75 Resp: 74279

Ion Ratio Lower Upper

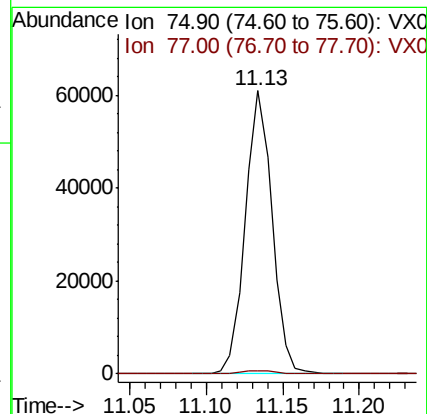
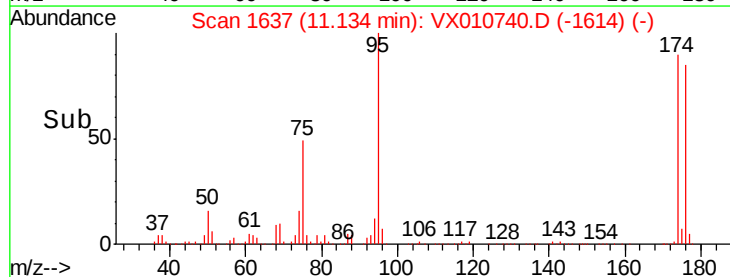
75 100

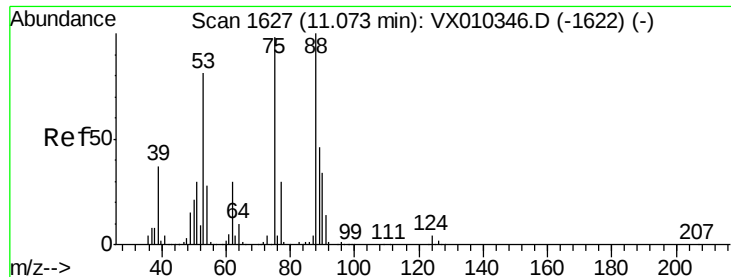
77 1.2 22.6 67.8#



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: 60.285 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010740.D

Acq: 09 Jul 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VO-TRIP-BLANK

Tgt Ion: 75 Resp: 74279

Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

89 0.1 37.8 56.6#

