

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070919\
 Data File : VX010746.D
 Acq On : 09 Jul 2019 13:27
 Operator : JC/SP
 Sample : K3692-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Jul 10 02:09:43 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	5.67	168	214140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	336966	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	310341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	146802	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	108545	54.06	ug/l	0.00
Spiked Amount			Recovery	=	108.12%	
35) Dibromofluoromethane	5.50	113	103156	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
50) Toluene-d8	8.71	98	399518	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
62) 4-Bromofluorobenzene	11.13	95	135690	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	

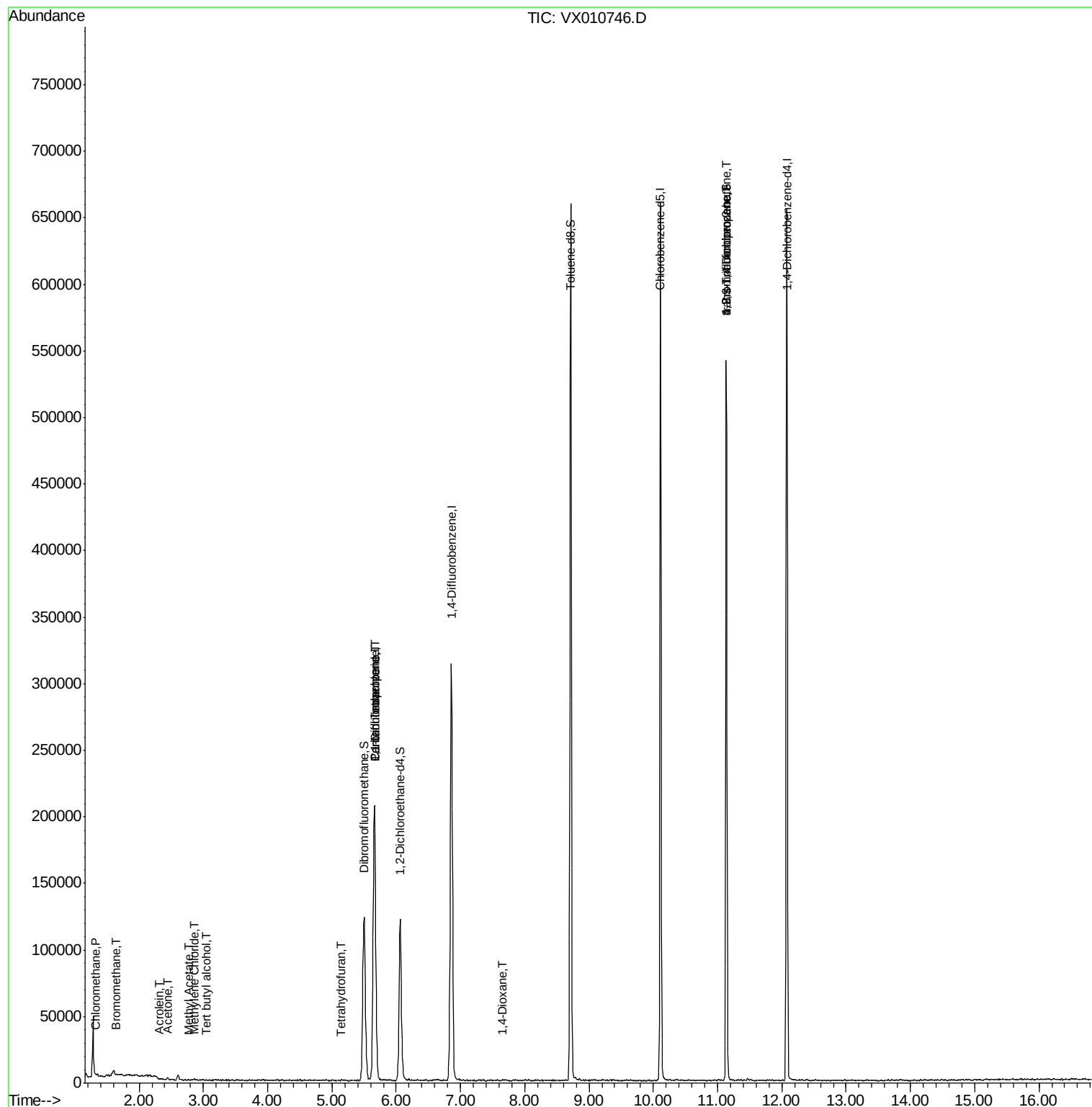
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	501	0.289	ug/l #	87
5) Bromomethane	1.65	94	830	0.897	ug/l	98
11) Tert butyl alcohol	3.05	59	377	0.718	ug/l #	43
13) Acrolein	2.31	56	76	0.218	ug/l #	68
16) Acetone	2.44	43	1777	1.766	ug/l	98
18) Methyl Acetate	2.78	43	478	0.238	ug/l #	79
20) Methylene Chloride	2.86	84	500	0.241	ug/l #	71
29) Tetrahydrofuran	5.13	42	263	0.288	ug/l #	48
36) 1,1-Dichloropropene	5.66	75	13459	5.026	ug/l #	47
38) Carbon Tetrachloride	5.67	117	19175	6.613	ug/l #	16
49) 1,4-Dioxane	7.65	88	20	0.328	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	66326	24.794	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	66326	57.841	ug/l #	16

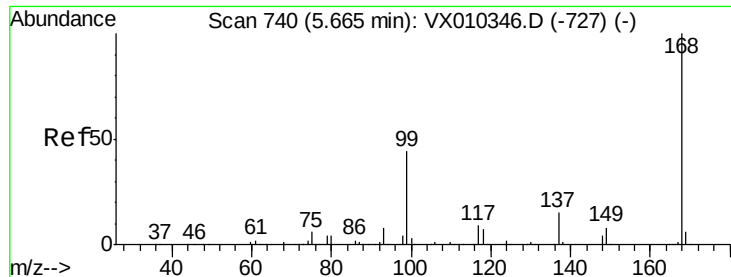
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010746.D

Acq: 09 Jul 2019 13:27

Instrument :

MSVOA_X

ClientSampleId :

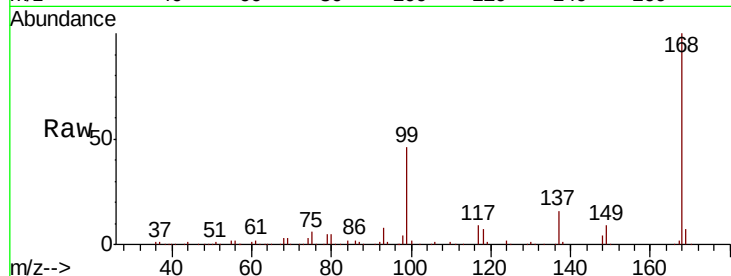
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 214140

Ion Ratio Lower Upper

168 100

99 46.2 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

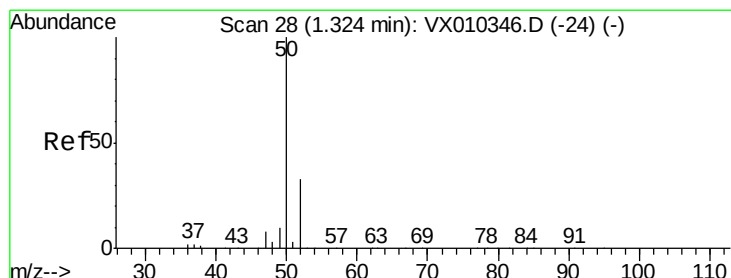
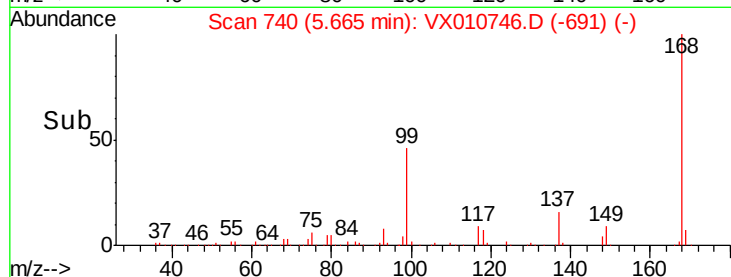
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.289 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010746.D

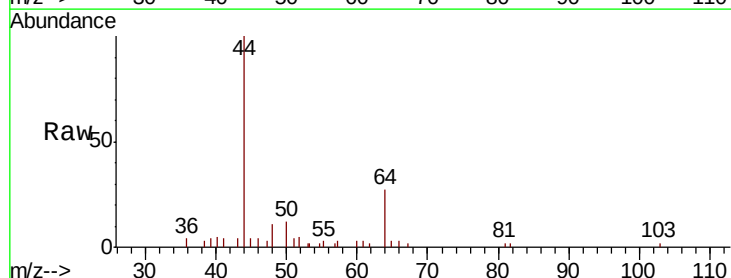
Acq: 09 Jul 2019 13:27

Tgt Ion: 50 Resp: 501

Ion Ratio Lower Upper

50 100

52 40.7 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

300

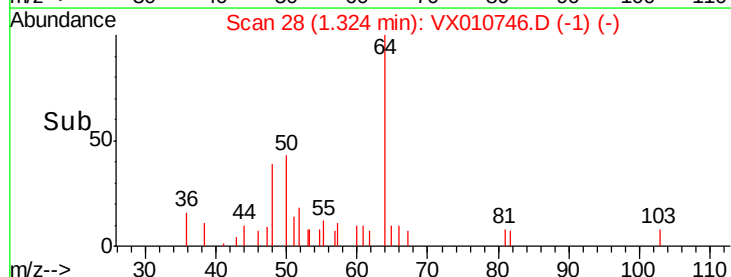
200

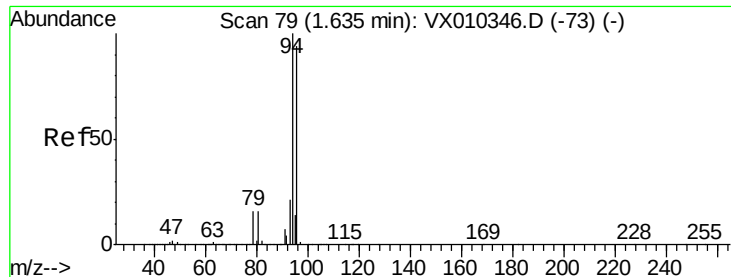
100

0

Time-->

1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.897 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010746.D

Acq: 09 Jul 2019 13:27

Instrument :

MSVOA_X

ClientSampleId :

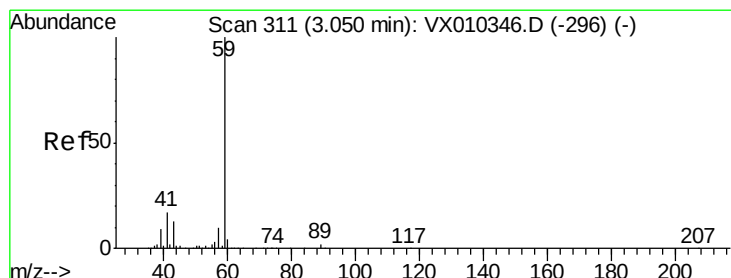
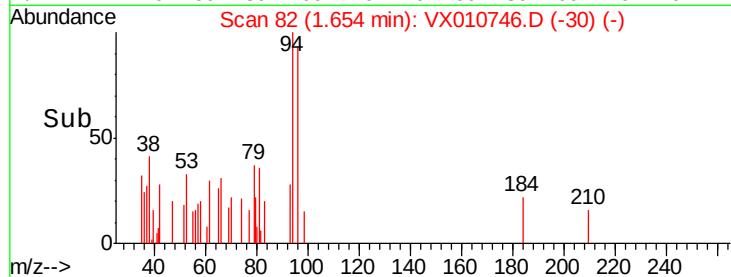
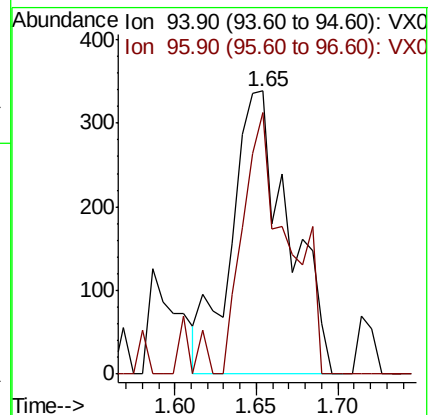
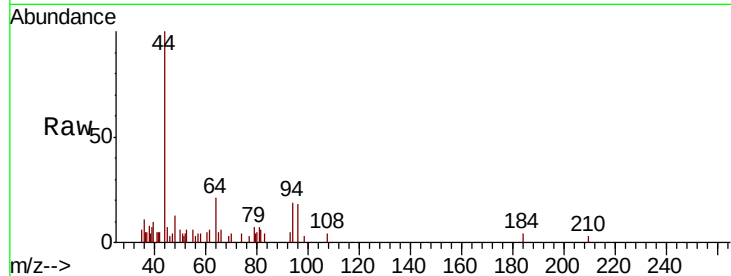
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 94 Resp: 830

Ion Ratio Lower Upper

94 100

96 92.6 75.5 113.3



#11

Tert butyl alcohol

Concen: 0.718 ug/l

RT: 3.05 min Scan# 311

Delta R.T. 0.00 min

Lab File: VX010746.D

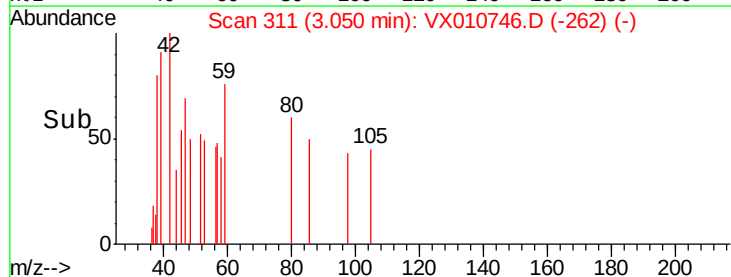
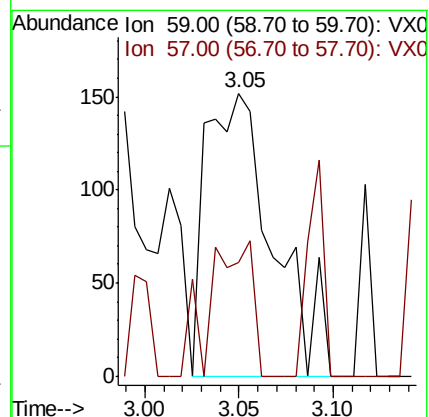
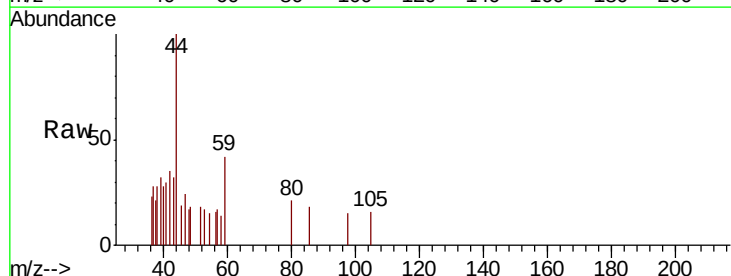
Acq: 09 Jul 2019 13:27

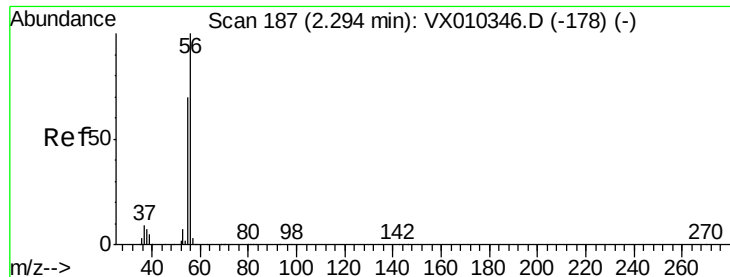
Tgt Ion: 59 Resp: 377

Ion Ratio Lower Upper

59 100

57 30.5 7.7 11.5#





#13

Acrolein

Concen: 0.218 ug/l

RT: 2.31 min Scan# 190

Delta R.T. 0.02 min

Lab File: VX010746.D

Acq: 09 Jul 2019 13:27

Instrument :

MSVOA_X

ClientSampleId :

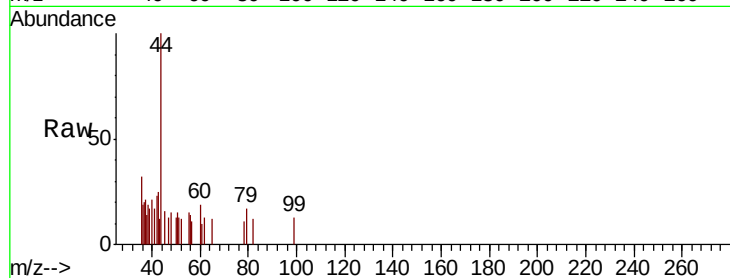
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 56 Resp: 76

Ion Ratio Lower Upper

56 100

55 97.4 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.31

150

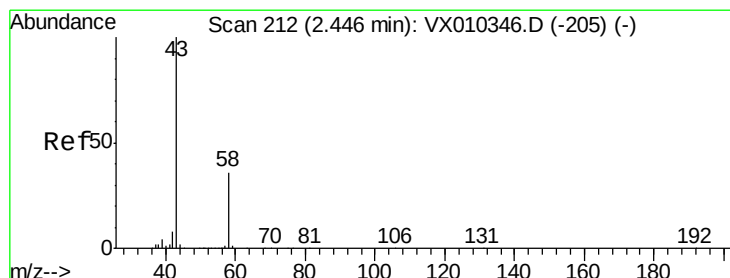
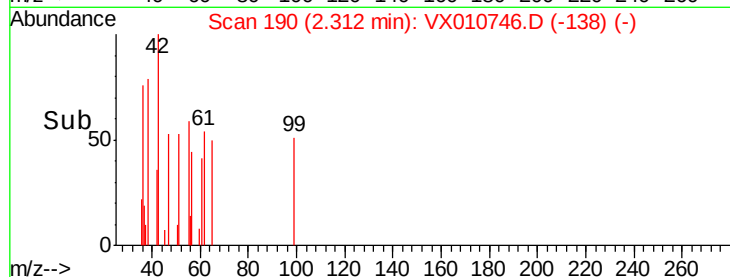
100

50

0

2.29 2.30 2.31 2.32 2.33

Time-->



#16

Acetone

Concen: 1.766 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010746.D

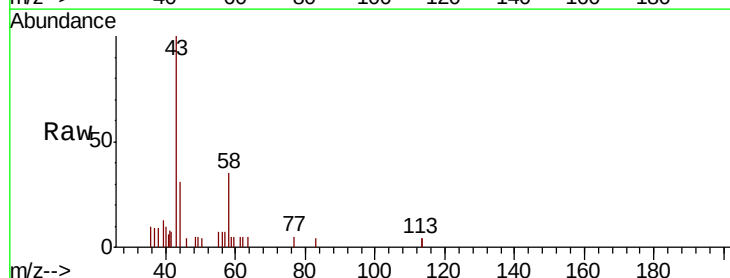
Acq: 09 Jul 2019 13:27

Tgt Ion: 43 Resp: 1777

Ion Ratio Lower Upper

43 100

58 37.3 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1500

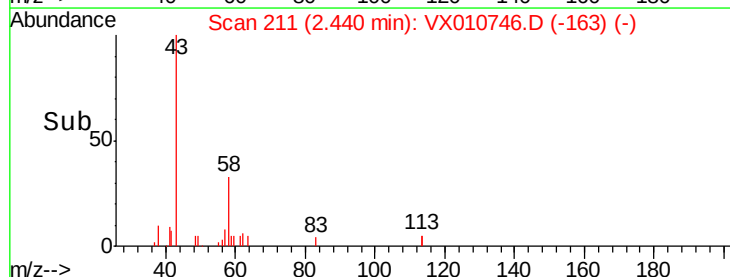
1000

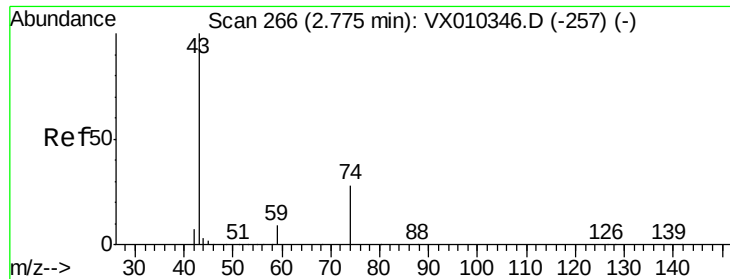
500

0

2.40 2.45

Time-->

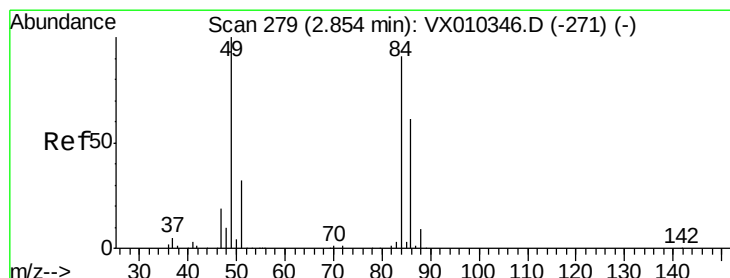
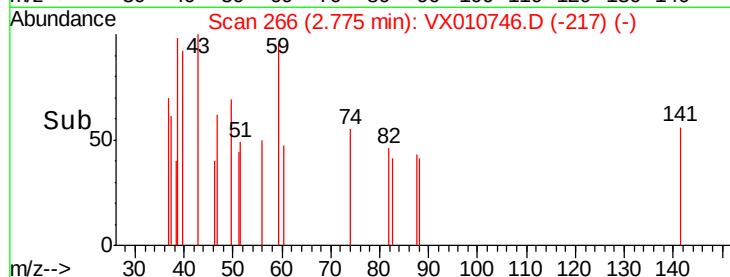
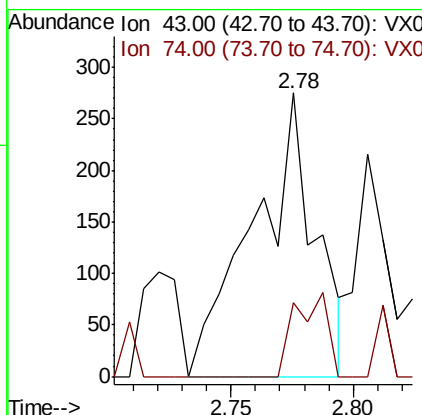
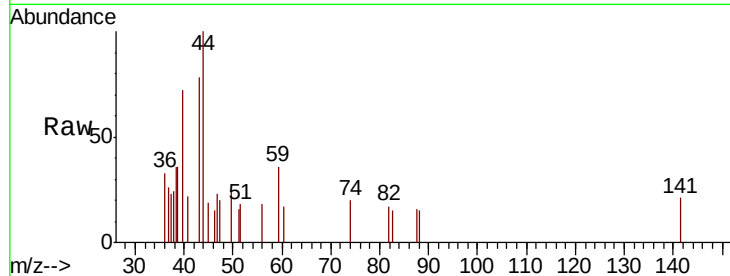




#18
Methvl Acetate
Concen: 0.238 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010746.D
Acq: 09 Jul 2019 13:27

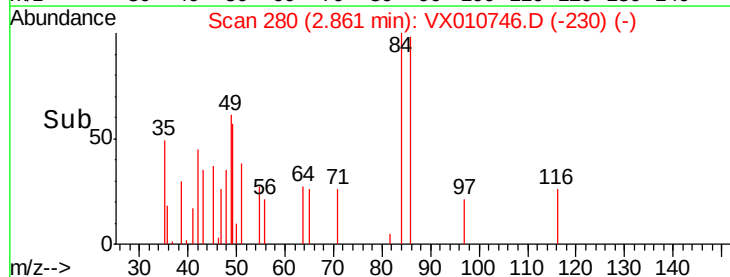
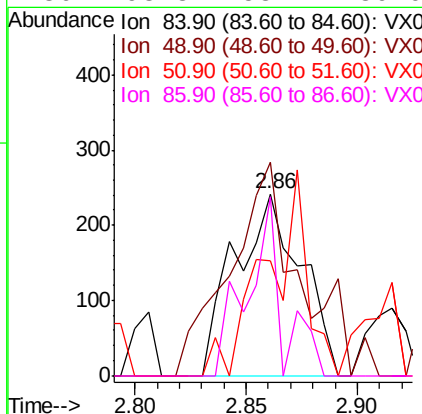
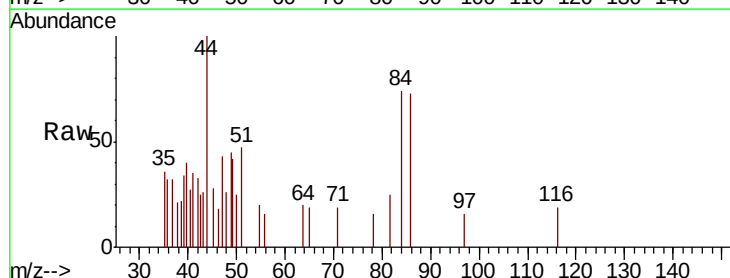
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

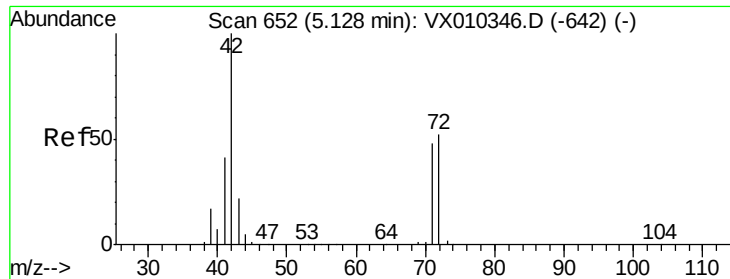
Tot Ion: 43 Resp: 478
Ion Ratio Lower Upper
43 100
74 15.7 21.3 31.9#



#20
Methylene Chloride
Concen: 0.241 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010746.D
Acq: 09 Jul 2019 13:27

Tgt Ion: 84 Resp: 500
Ion Ratio Lower Upper
84 100
49 93.0 87.5 131.3
51 63.2 27.7 41.5#
86 98.3 53.4 80.0#





#29

Tetrahydrofuran

Concen: 0.288 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX010746.D

Acq: 09 Jul 2019 13:27

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

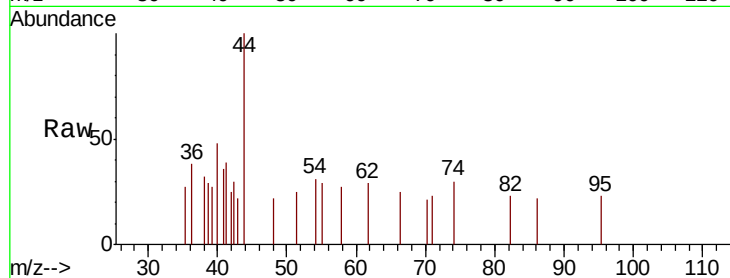
Tot Ion: 42 Resp: 263

Ion Ratio Lower Upper

42 100

72 8.0 40.6 60.8#

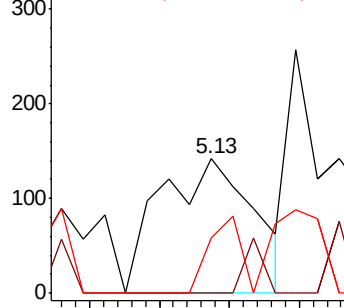
71 19.8 37.8 56.8#



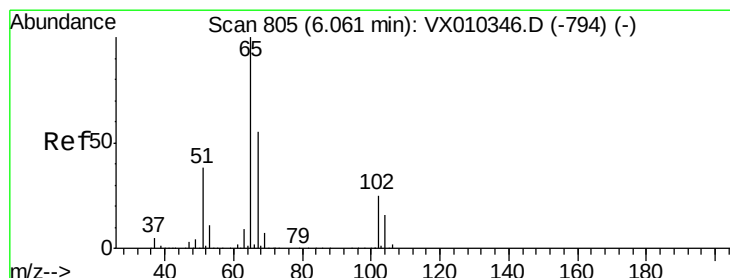
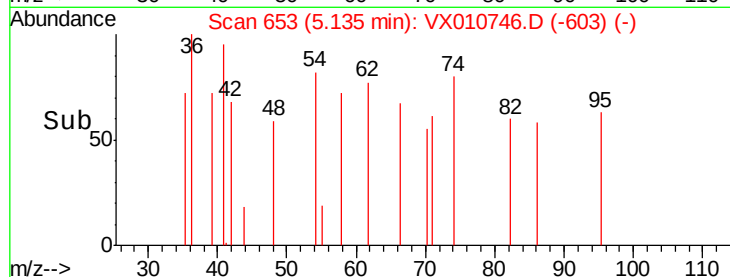
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->



#33

1,2-Dichloroethane-d4

Concen: 54.062 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010746.D

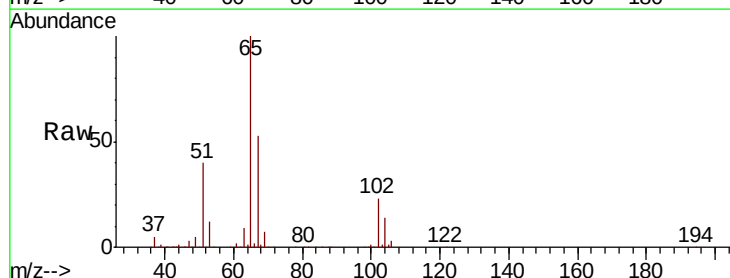
Acq: 09 Jul 2019 13:27

Tgt Ion: 65 Resp: 108545

Ion Ratio Lower Upper

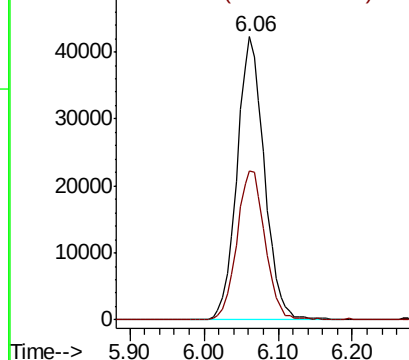
65 100

67 54.4 0.0 110.2

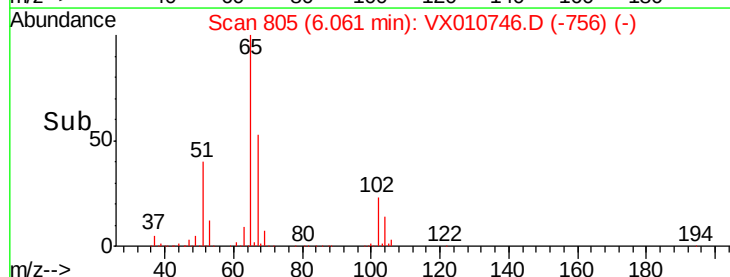


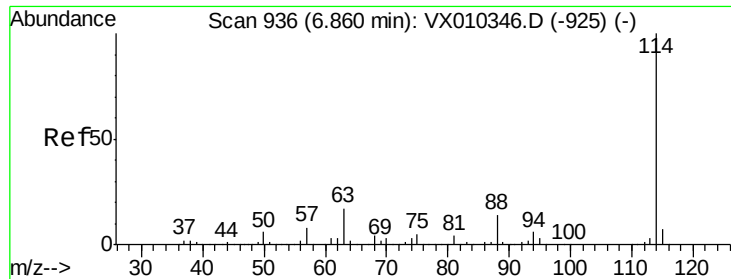
Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



Time-->

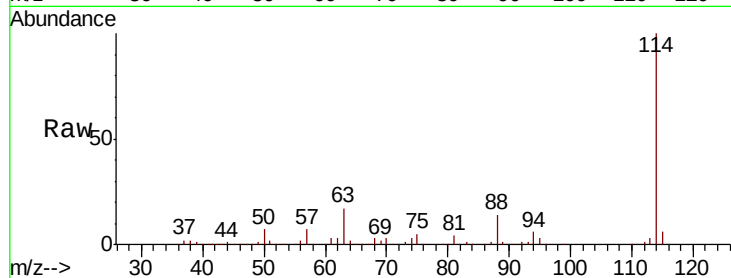




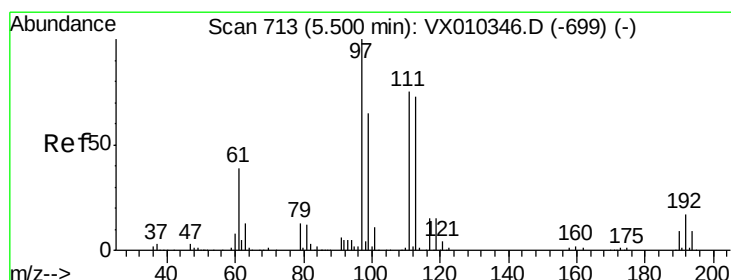
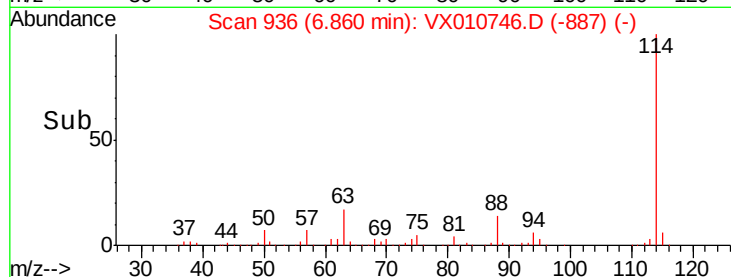
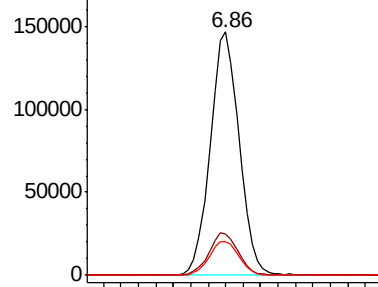
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010746.D
 Acq: 09 Jul 2019 13:27

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Tot Ion:114 Resp: 336966
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 33.8
 88 13.8 0.0 27.6

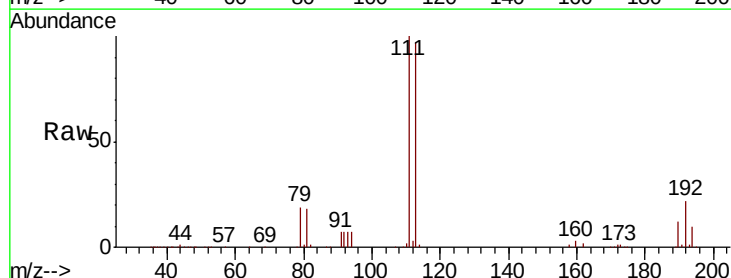


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

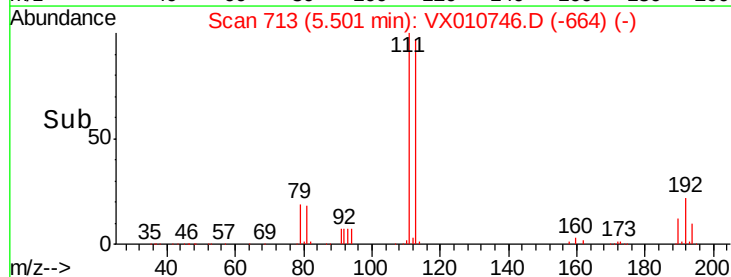
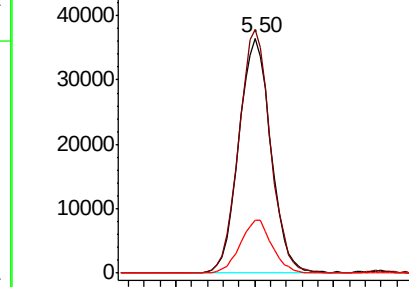


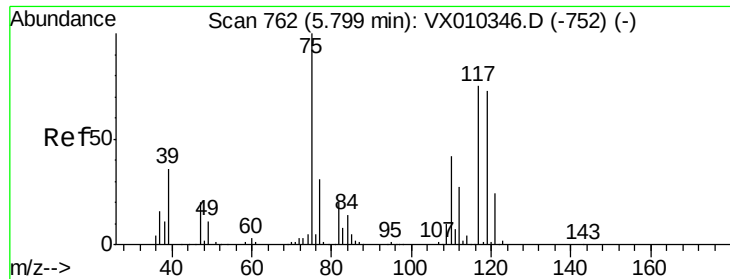
#35
 Dibromofluoromethane
 Concen: 50.035 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010746.D
 Acq: 09 Jul 2019 13:27

Tgt Ion:113 Resp: 103156
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.2 121.8
 192 22.4 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

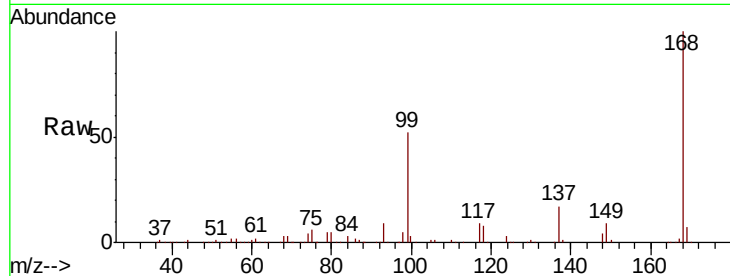




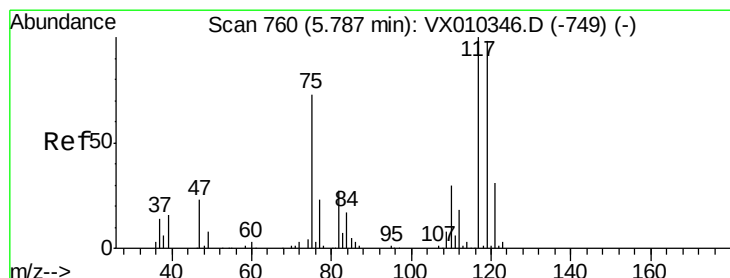
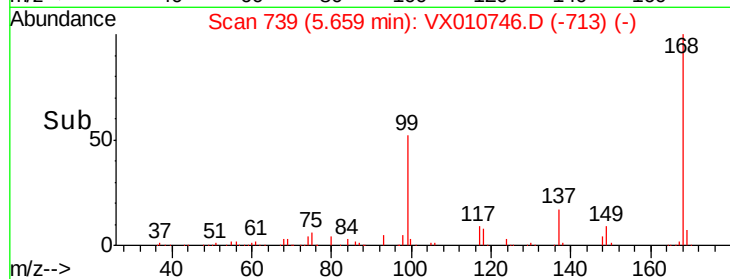
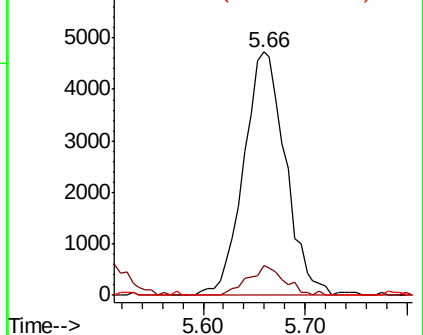
#36
 1,1-Dichloropropene
 Concen: 5.026 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010746.D
 Acq: 09 Jul 2019 13:27

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Tot Ion	75	110	77	Resp	Lower	Upper
75	100			13459		
110	10.5			62.2#	20.8	
77	0.0			38.0#	25.4	

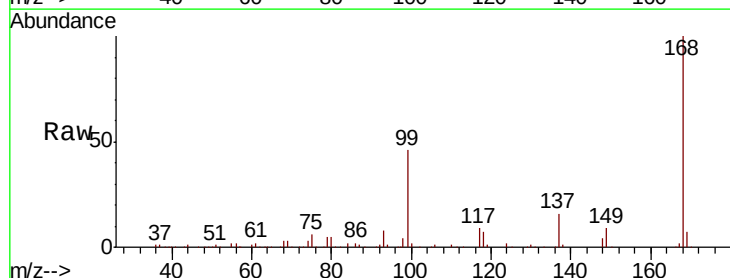


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

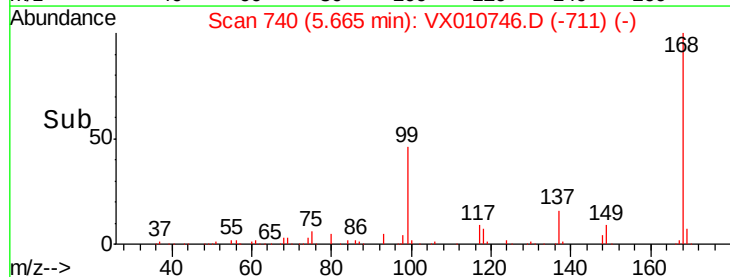
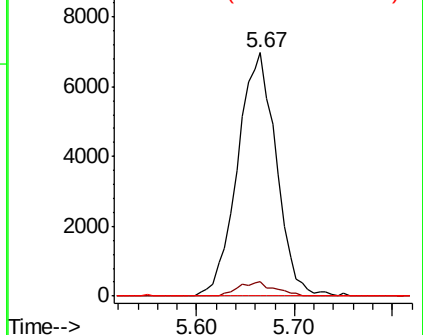


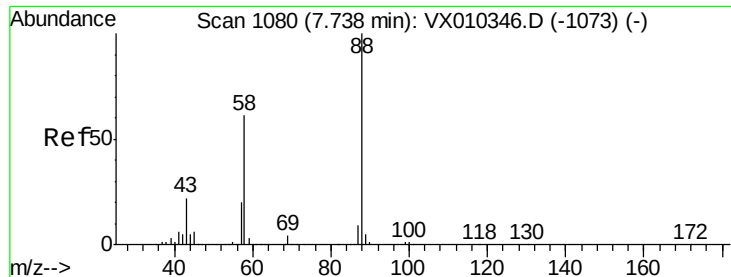
#38
 Carbon Tetrachloride
 Concen: 6.613 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010746.D
 Acq: 09 Jul 2019 13:27

Tgt Ion	117	119	121	Resp	Lower	Upper
117	100			19175		
119	5.7			117.4#	78.2	
121	0.0			37.1#	24.7	



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

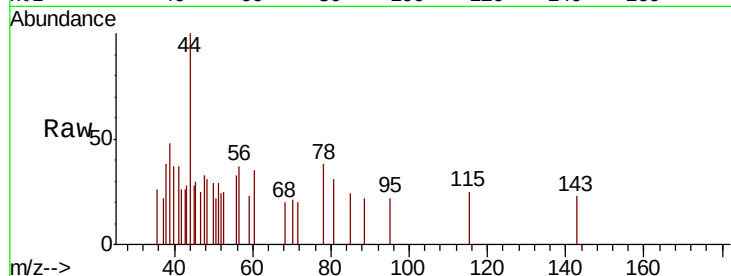




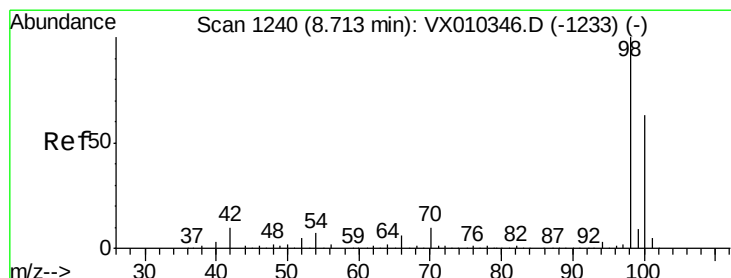
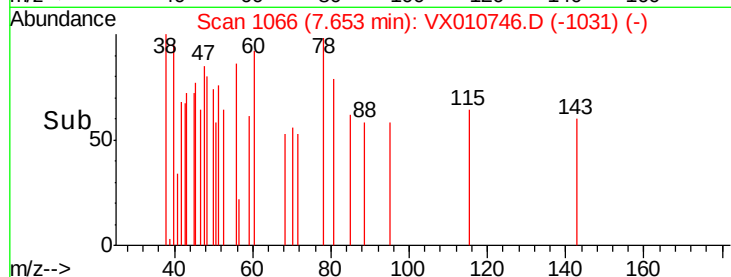
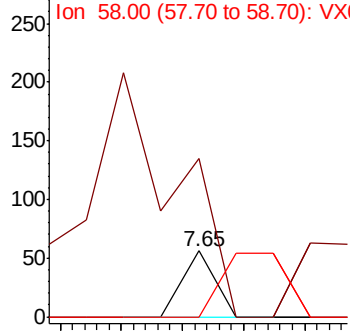
#49
1,4-Dioxane
Concen: 0.328 ug/l
RT: 7.65 min Scan# 1066
Delta R.T. -0.09 min
Lab File: VX010746.D
Acq: 09 Jul 2019 13:27

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 1055.0 20.2 30.2#
58 200.0 49.5 74.3#

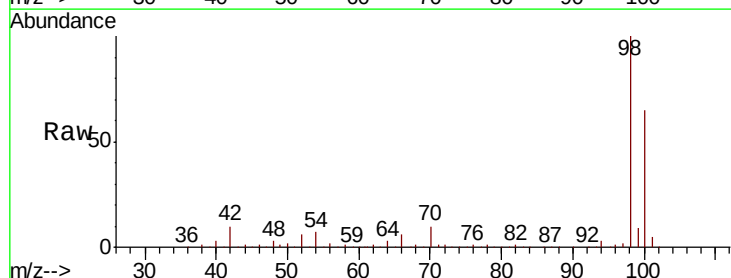


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

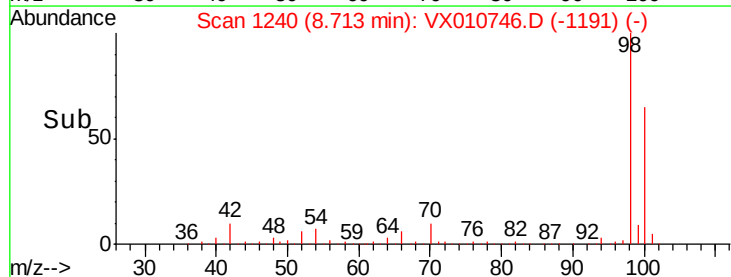
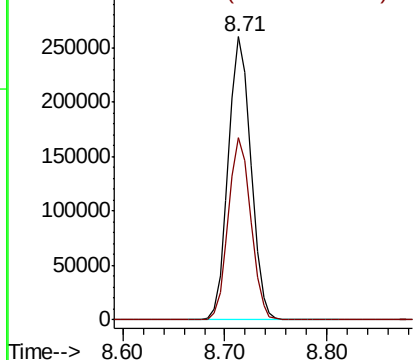


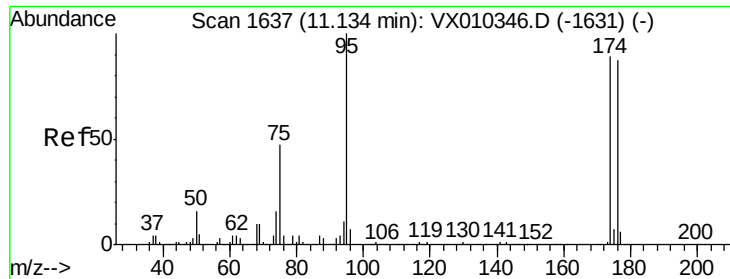
#50
Toluene-d8
Concen: 50.651 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010746.D
Acq: 09 Jul 2019 13:27

Tgt Ion: 98 Resp: 399518
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4



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

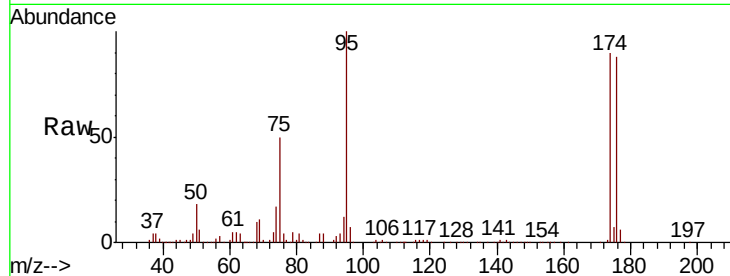




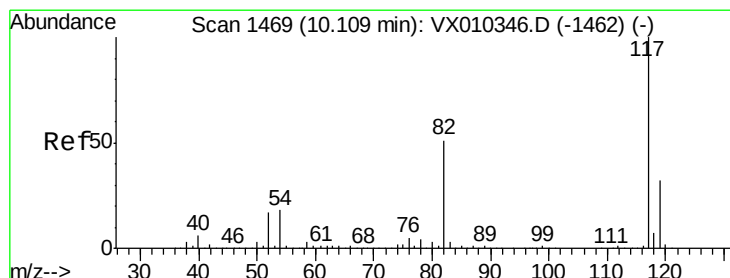
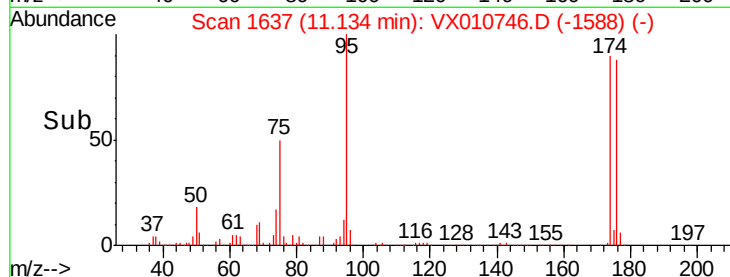
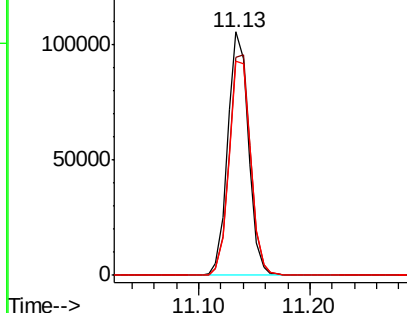
#62
4-Bromofluorobenzene
Concen: 47.650 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010746.D
Acq: 09 Jul 2019 13:27

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 95 Resp: 135690
Ion Ratio Lower Upper
95 100
174 93.3 0.0 187.6
176 91.6 0.0 184.0

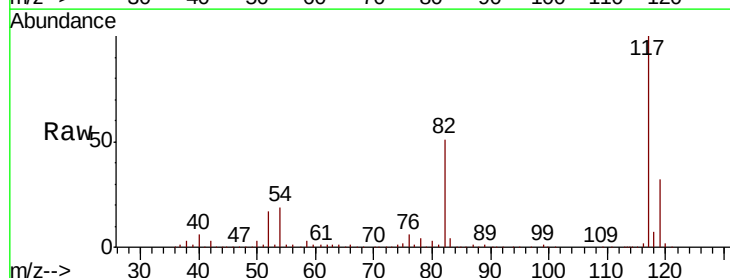


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

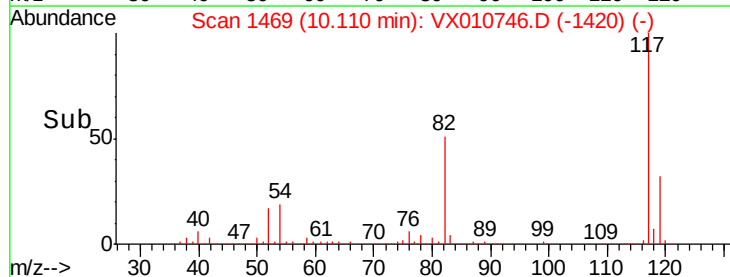
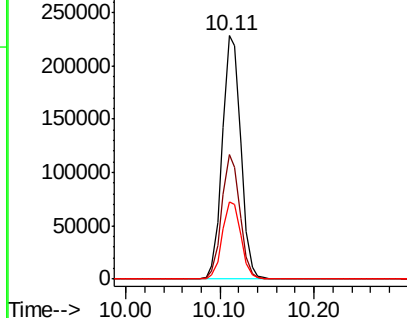


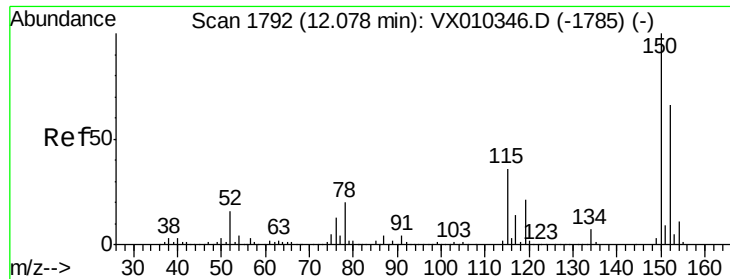
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010746.D
Acq: 09 Jul 2019 13:27

Tgt Ion: 117 Resp: 310341
Ion Ratio Lower Upper
117 100
82 51.3 41.2 61.8
119 31.9 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: VX010746.D

Acq: 09 Jul 2019 13:27

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

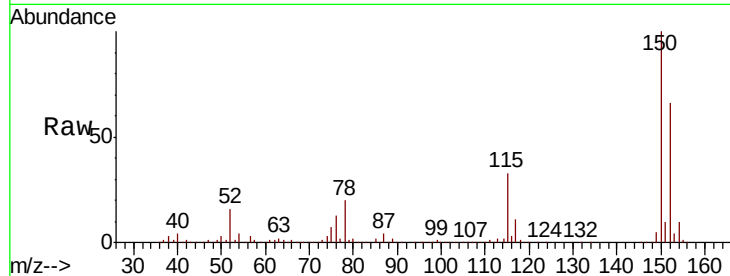
Tot Ion:152 Resp: 146802

Ion Ratio Lower Upper

152 100

115 53.2 38.6 115.7

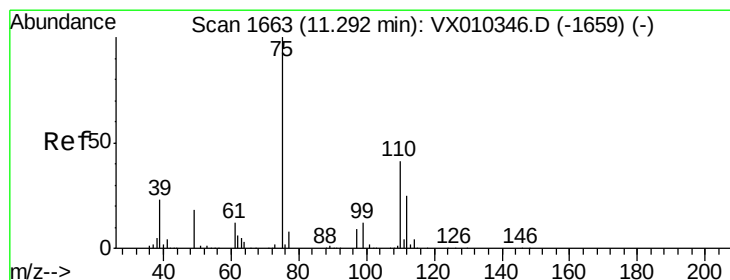
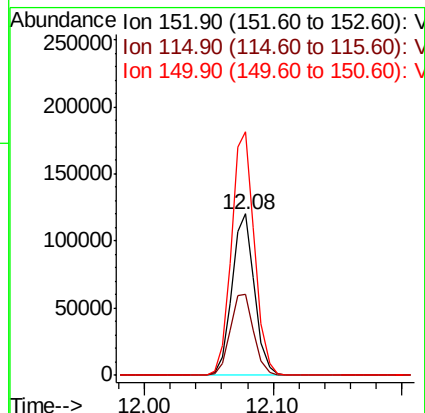
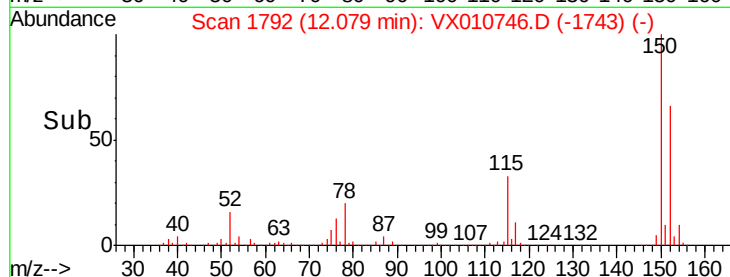
150 155.0 0.0 347.4



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: 24.794 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010746.D

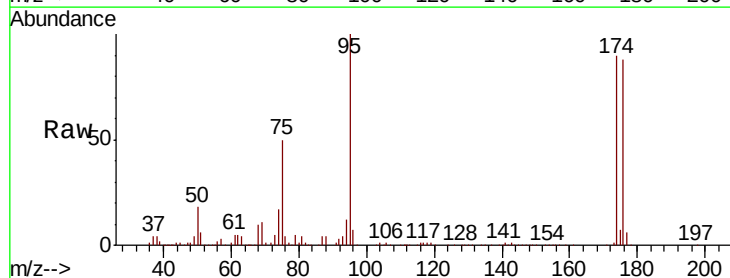
Acq: 09 Jul 2019 13:27

Tgt Ion: 75 Resp: 66326

Ion Ratio Lower Upper

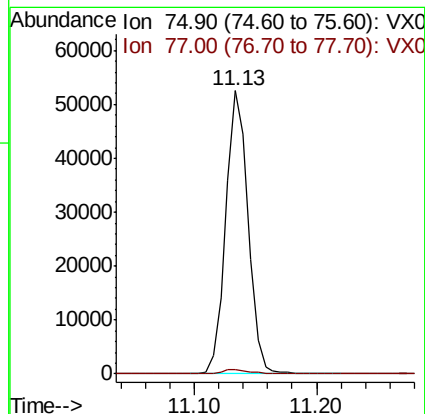
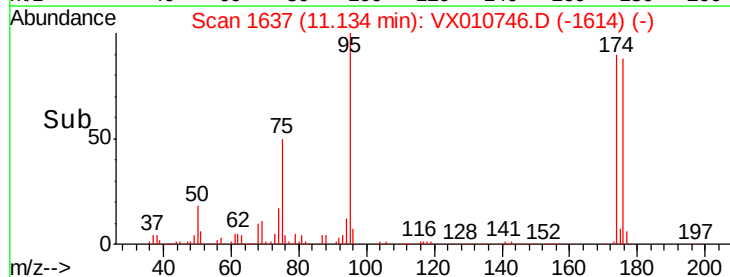
75 100

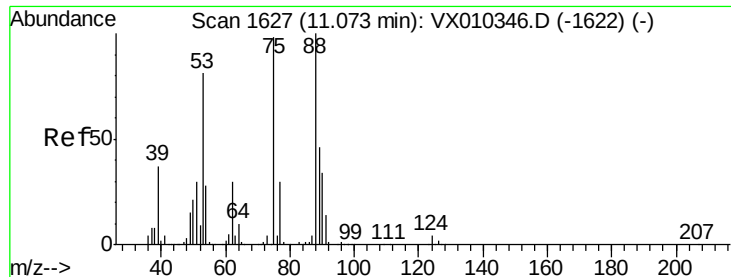
77 1.7 22.6 67.8#



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: 57.841 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010746.D
 Acq: 09 Jul 2019 13:27

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 75 Resp: 66326
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.1 99.1#
 89 0.0 37.8 56.6#

