

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063020\
 Data File : VX017041.D
 Acq On : 30 Jun 2020 13:45
 Operator : JC/SP
 Sample : L3141-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jul 01 08:04:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

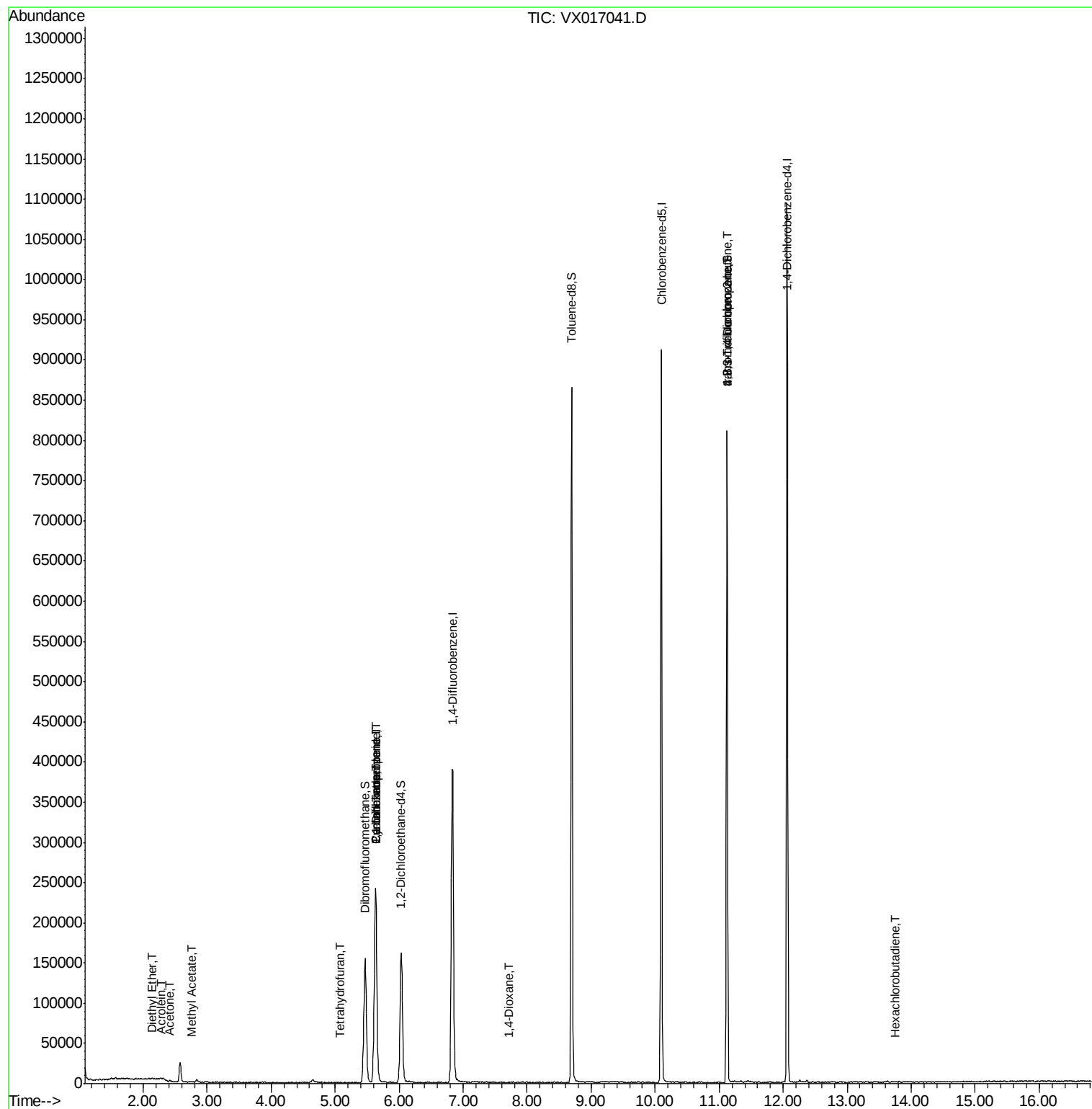
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	234081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	402654	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	424437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	222680	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	154952	53.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.40%	
35) Dibromofluoromethane	5.46	113	132840	52.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.30%	
50) Toluene-d8	8.70	98	499784	53.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.12%	
62) 4-Bromofluorobenzene	11.12	95	205926	55.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.86%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.15	74	260	0.569	ug/l	60
13) Acrolein	2.27	56	458	1.392	ug/l #	39
16) Acetone	2.42	43	1878	1.740	ug/l #	80
18) Methyl Acetate	2.75	43	713	0.253	ug/l #	85
20) Methylene Chloride	2.83	84	1835	Below Cal		86
29) Tetrahydrofuran	5.08	42	258	0.217	ug/l #	33
31) Cyclohexane	5.63	56	4876	1.252	ug/l #	22
36) 1,1-Dichloropropene	5.64	75	17487	4.595	ug/l #	50
38) Carbon Tetrachloride	5.64	117	23257	5.549	ug/l #	18
44) Trichloroethene	7.19	130	549	Below Cal		51
49) 1,4-Dioxane	7.71	88	42	0.608	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	102196	23.338	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	102196	60.438	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	429	Below Cal		78
94) Hexachlorobutadiene	13.76	225	41	0.867	ug/l #	54

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

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Quant Time: Jul 01 08:04:58 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017041.D

Acq: 30 Jun 2020 13:45

Instrument :

MSVOA_X

ClientSampleId :

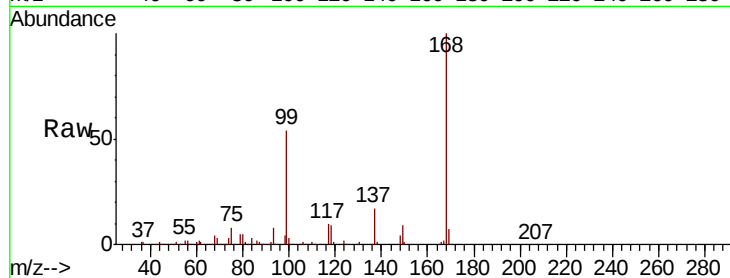
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 234081

Ion Ratio Lower Upper

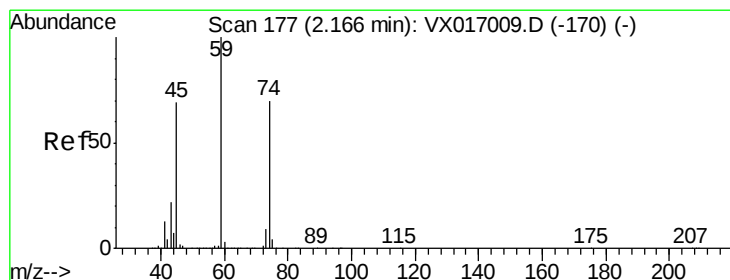
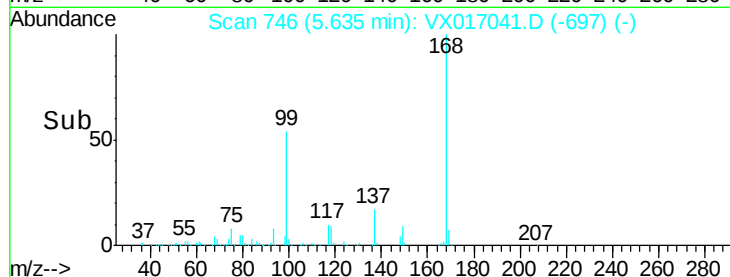
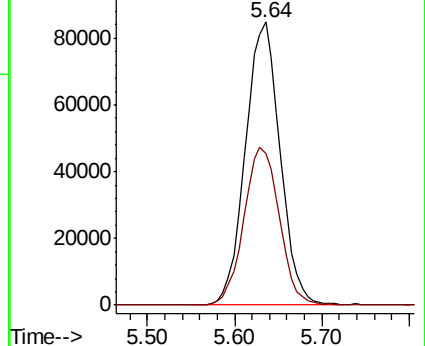
168 100

99 53.7 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 0.569 ug/l

RT: 2.15 min Scan# 174

Delta R.T. -0.02 min

Lab File: VX017041.D

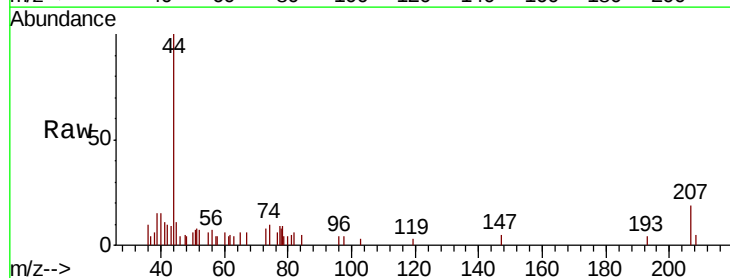
Acq: 30 Jun 2020 13:45

Tgt Ion: 74 Resp: 260

Ion Ratio Lower Upper

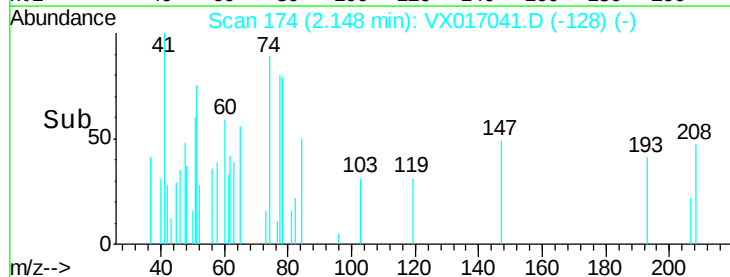
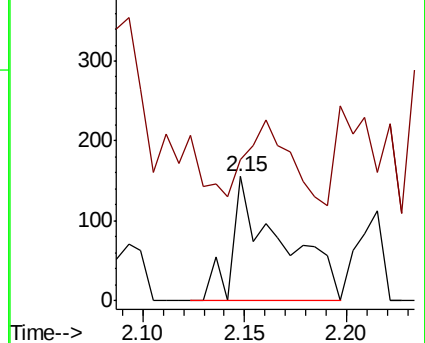
74 100

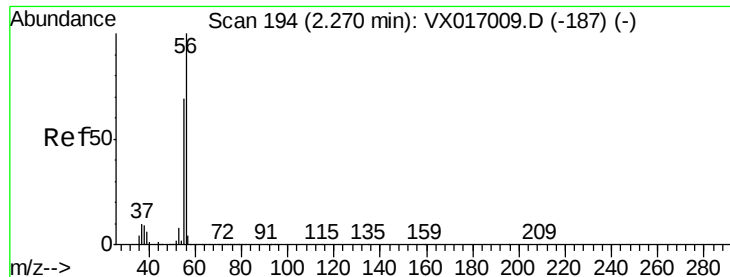
45 60.0 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#13

Acrolein

Concen: 1.392 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX017041.D

Acq: 30 Jun 2020 13:45

Instrument :

MSVOA_X

ClientSampleId :

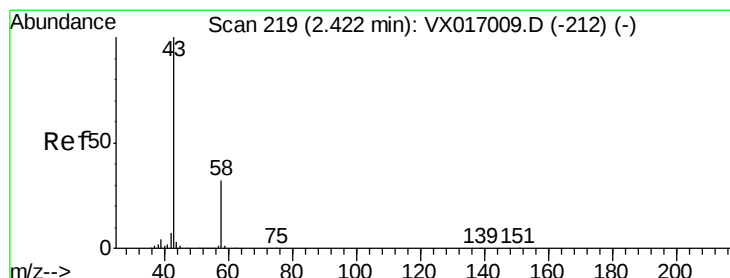
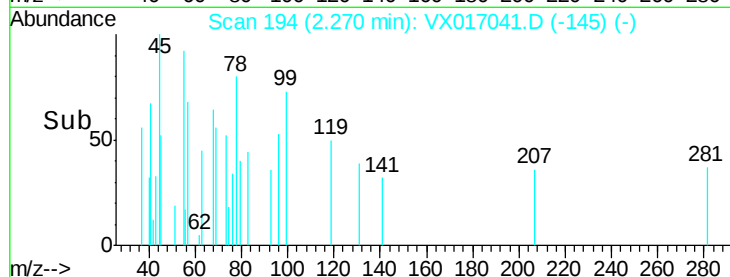
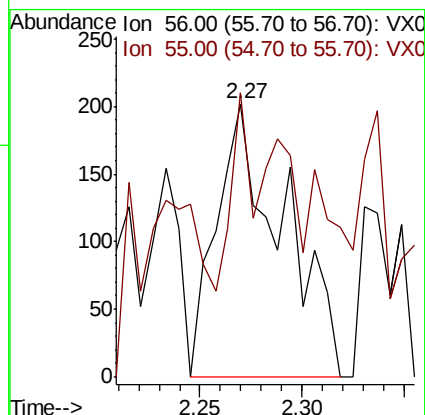
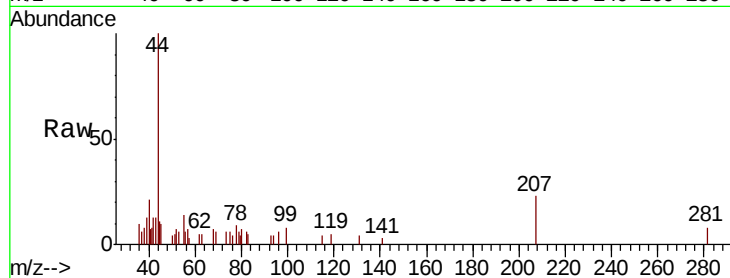
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 56 Resp: 458

Ion Ratio Lower Upper

56 100

55 19.9 55.7 83.5#



#16

Acetone

Concen: 1.740 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017041.D

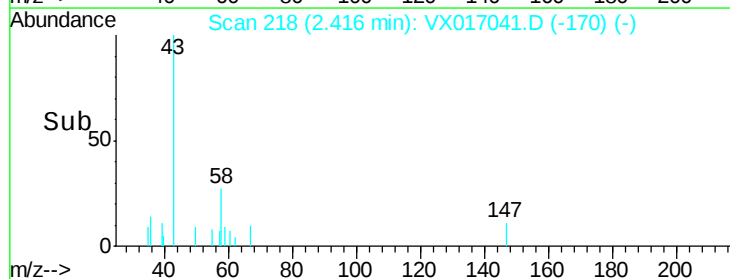
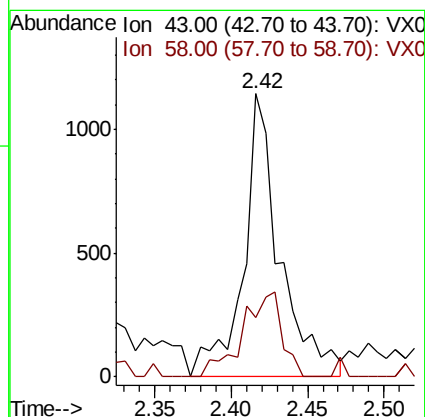
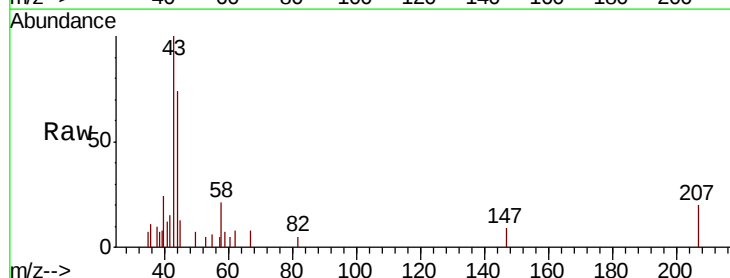
Acq: 30 Jun 2020 13:45

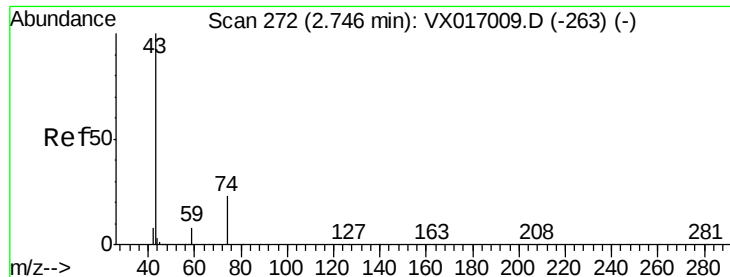
Tgt Ion: 43 Resp: 1878

Ion Ratio Lower Upper

43 100

58 20.9 25.7 38.5#

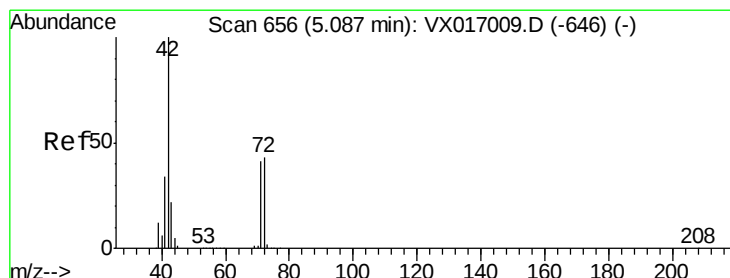
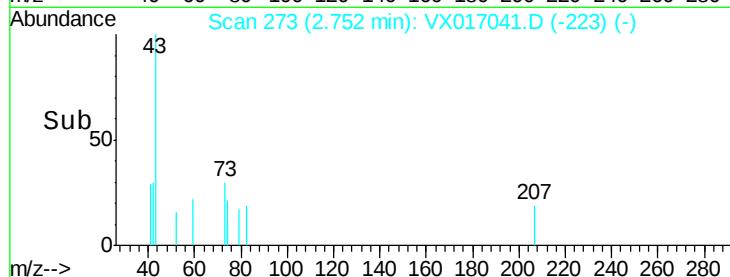
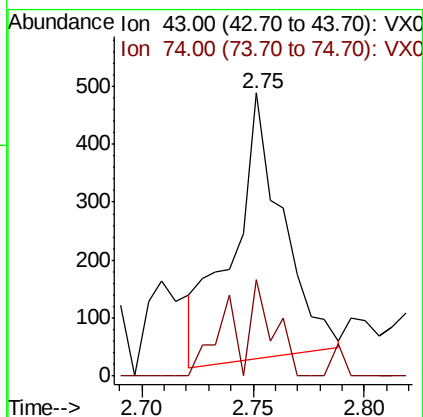
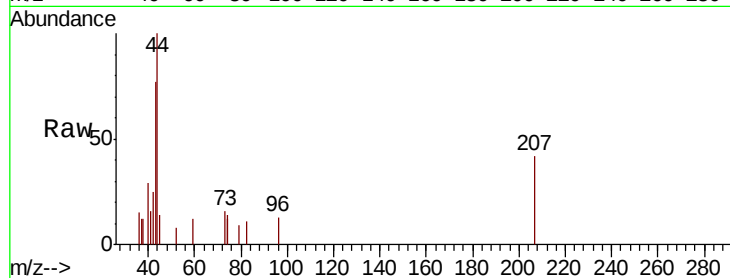




#18
Methvl Acetate
Concen: 0.253 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX017041.D
Acq: 30 Jun 2020 13:45

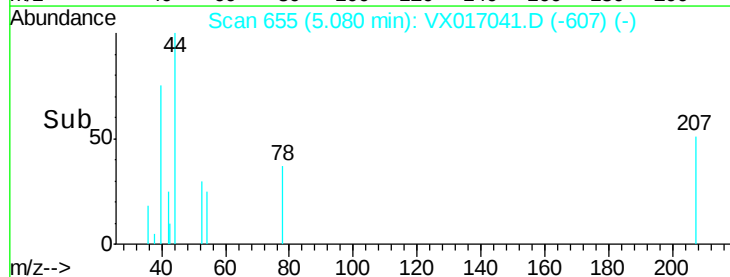
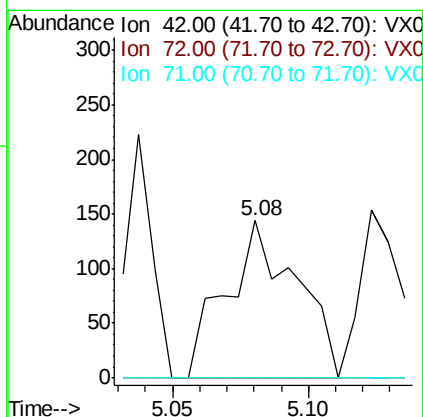
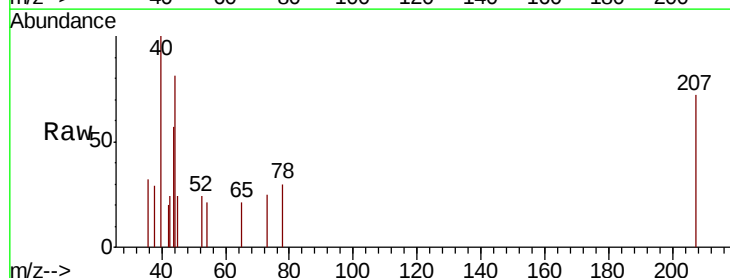
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

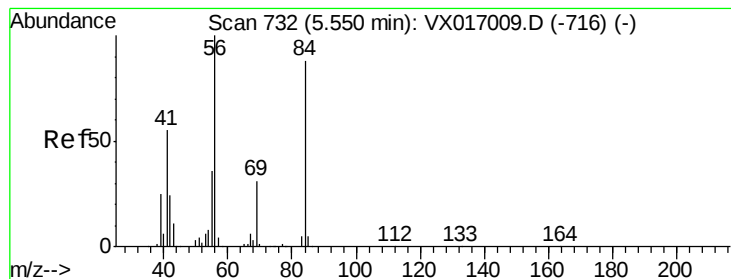
Tot Ion: 43 Resp: 713
Ion Ratio Lower Upper
43 100
74 16.8 19.3 28.9#



#29
Tetrahydrofuran
Concen: 0.217 ug/l
RT: 5.08 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX017041.D
Acq: 30 Jun 2020 13:45

Tgt Ion: 42 Resp: 258
Ion Ratio Lower Upper
42 100
72 0.0 35.3 52.9#
71 0.0 33.1 49.7#





#31

Cyclohexane

Concen: 1.252 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX017041.D

Acq: 30 Jun 2020 13:45

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

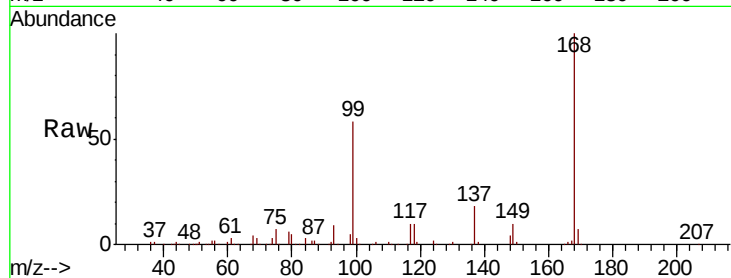
Tot Ion: 56 Resp: 4876

Ion Ratio Lower Upper

56 100

69 149.3 25.0 37.4#

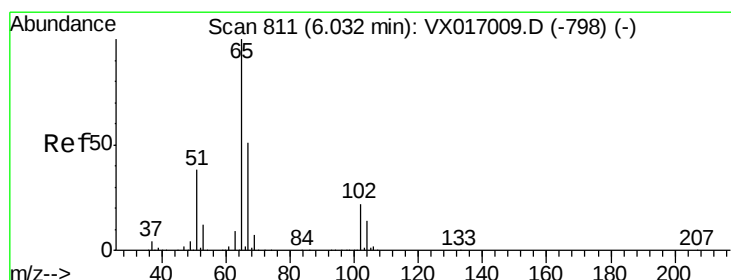
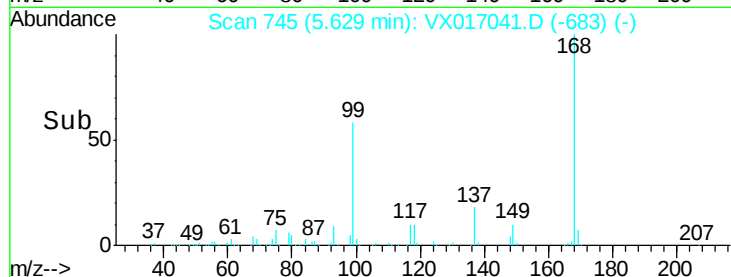
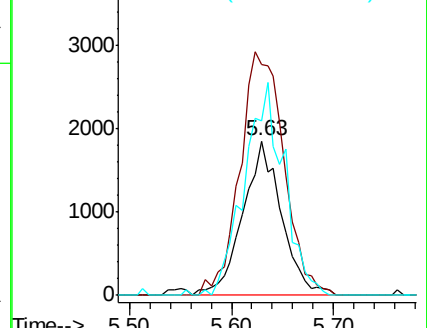
84 113.0 69.1 103.7#



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: 53.696 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017041.D

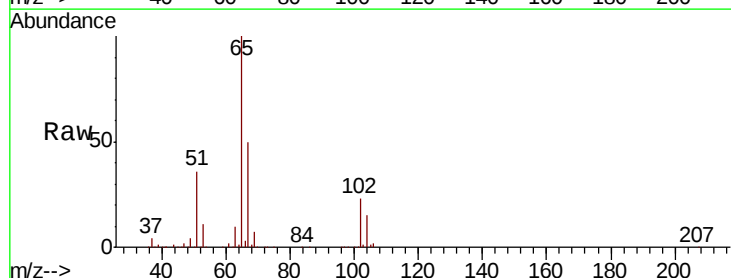
Acq: 30 Jun 2020 13:45

Tgt Ion: 65 Resp: 154952

Ion Ratio Lower Upper

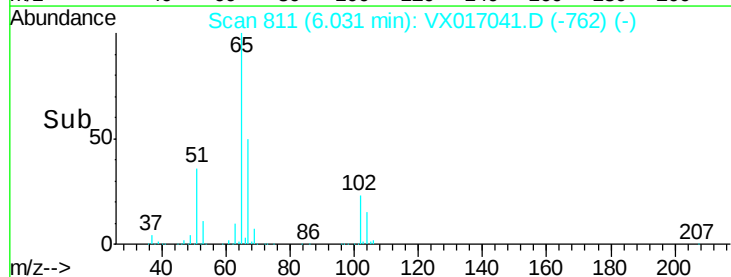
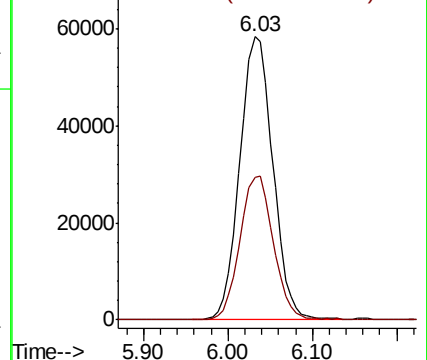
65 100

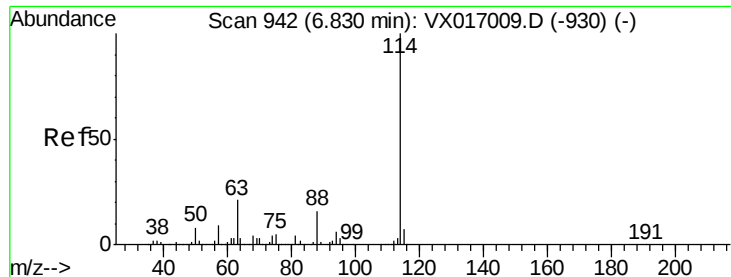
67 51.5 0.0 103.8



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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017041.D

Acq: 30 Jun 2020 13:45

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

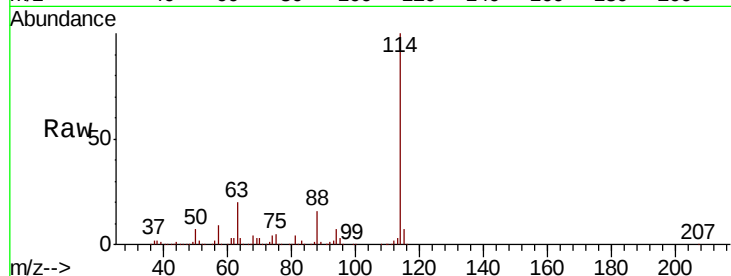
Tot Ion:114 Resp: 402654

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.4

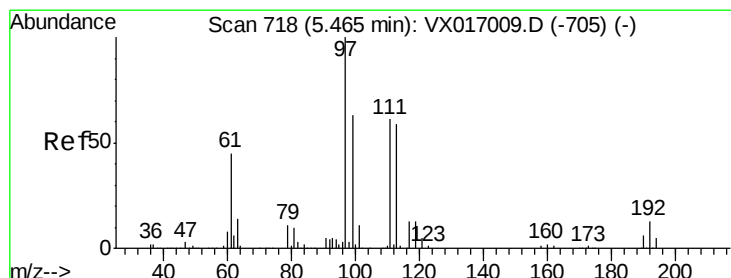
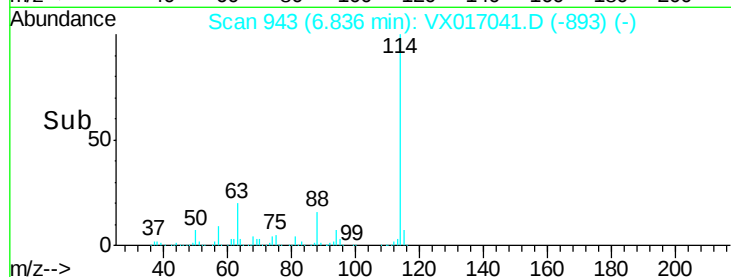
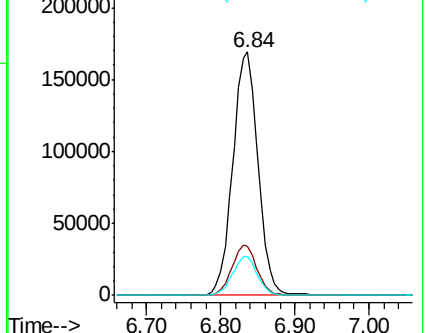
88 15.9 0.0 32.4



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: 52.154 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017041.D

Acq: 30 Jun 2020 13:45

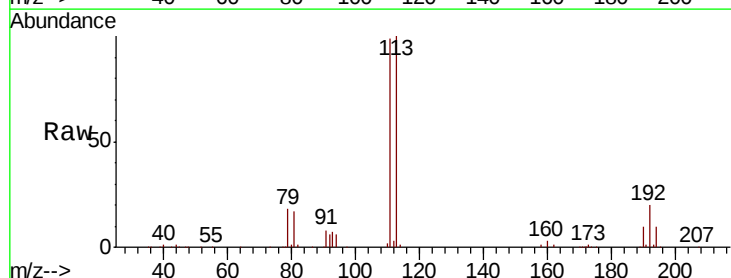
Tgt Ion:113 Resp: 132840

Ion Ratio Lower Upper

113 100

111 102.4 81.9 122.9

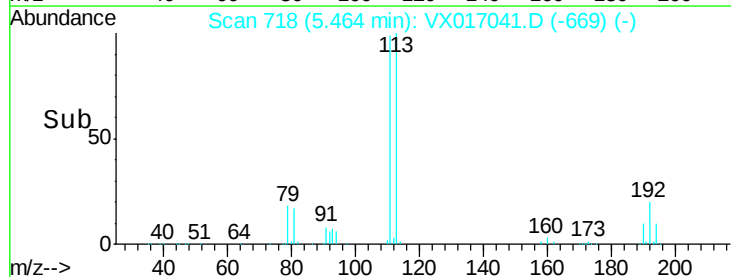
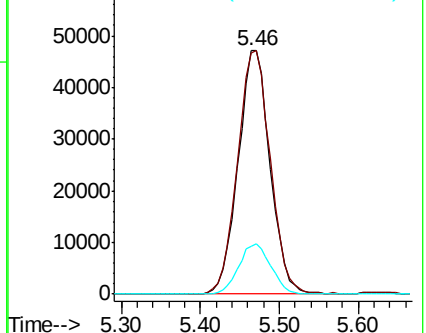
192 20.8 16.7 25.1

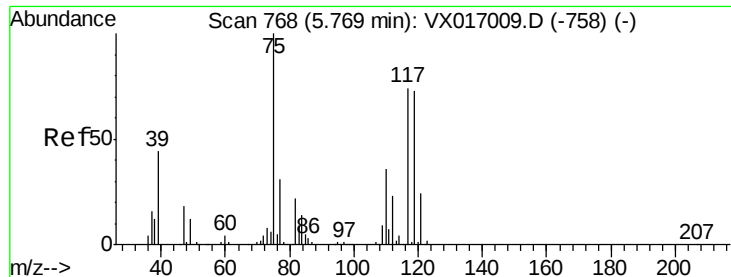


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

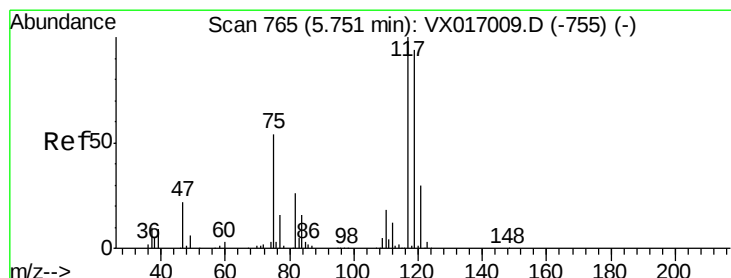
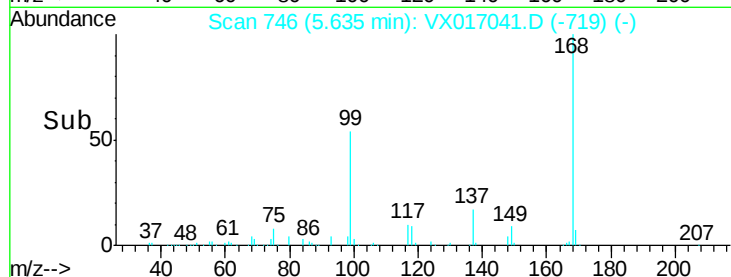
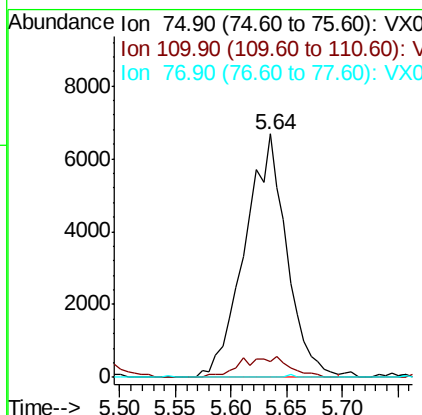
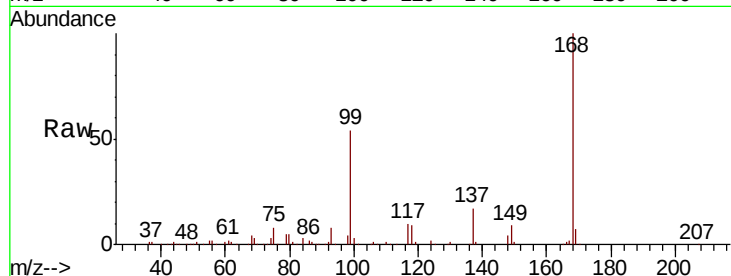




#36
 1,1-Dichloropropene
 Concen: 4.595 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017041.D
 Acq: 30 Jun 2020 13:45

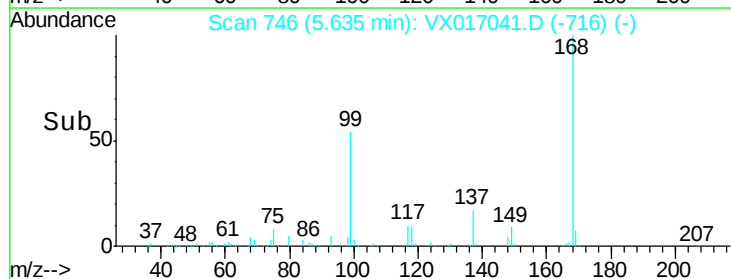
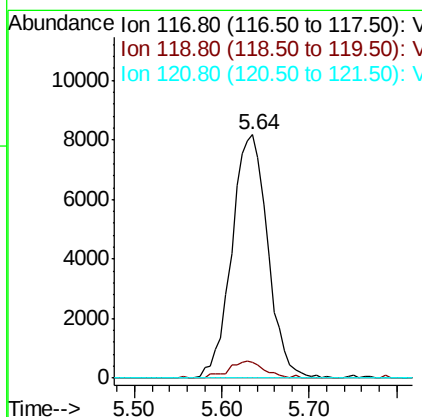
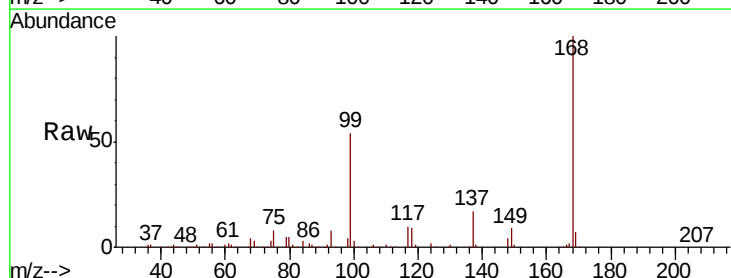
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

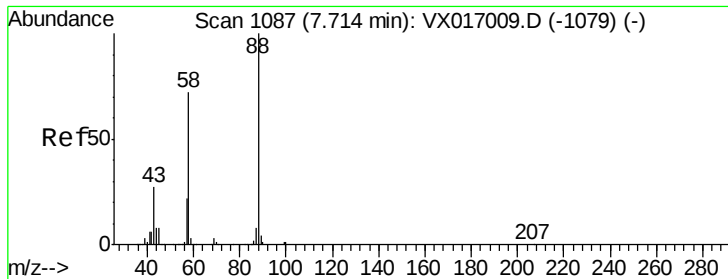
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.0	18.1	54.1#
77	0.2	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.549 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX017041.D
 Acq: 30 Jun 2020 13:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	75.4	113.0#
121	0.0	23.8	35.6#





#49

1,4-Dioxane

Concen: 0.608 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX017041.D

Acq: 30 Jun 2020 13:45

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

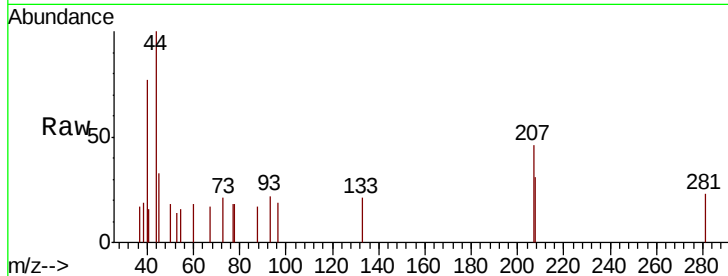
Tot Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 647.6 25.8 38.8#

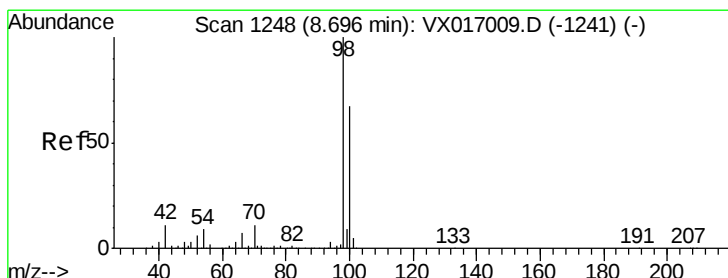
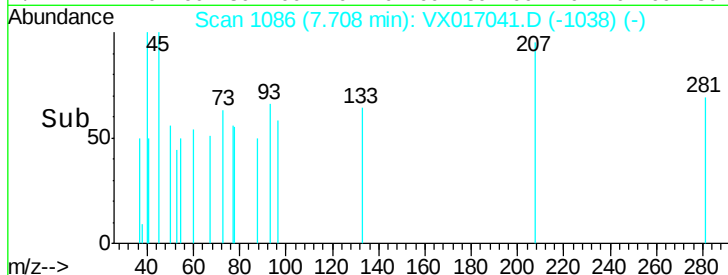
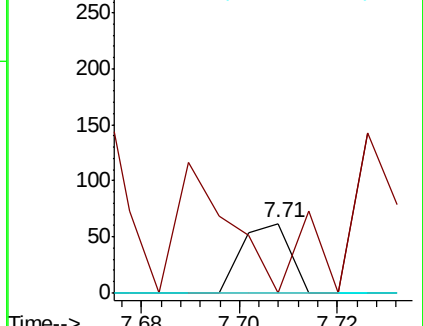
58 0.0 54.8 82.2#



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: 53.064 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017041.D

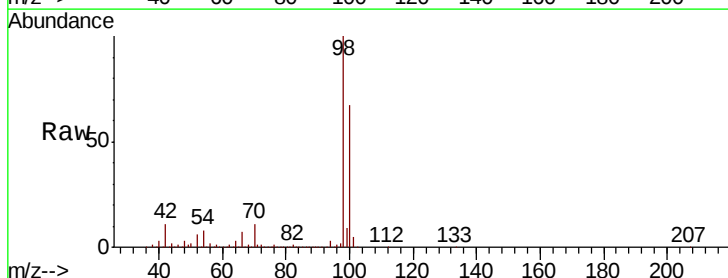
Acq: 30 Jun 2020 13:45

Tgt Ion: 98 Resp: 499784

Ion Ratio Lower Upper

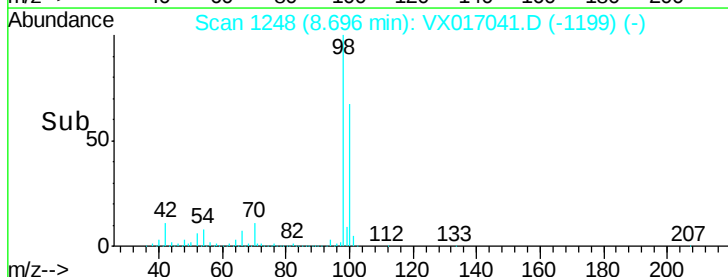
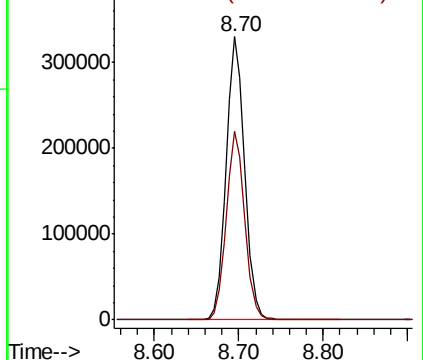
98 100

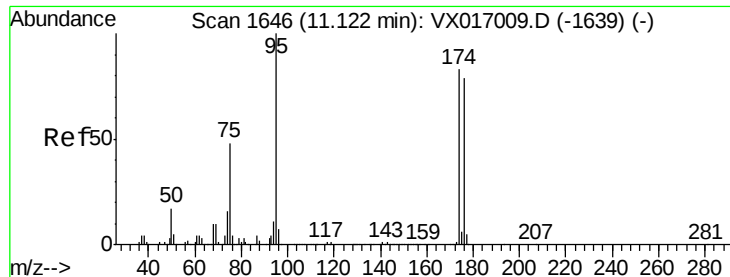
100 66.4 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 55.930 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017041.D

Acq: 30 Jun 2020 13:45

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

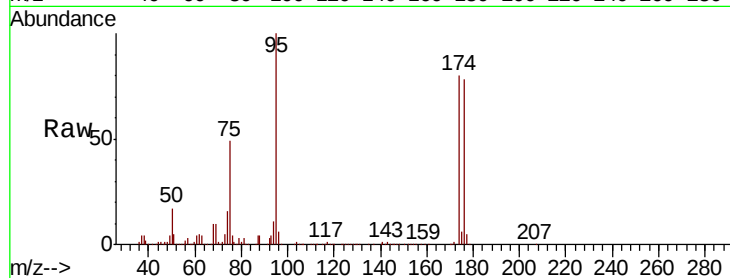
Tot Ion: 95 Resp: 205926

Ion Ratio Lower Upper

95 100

174 81.7 0.0 164.0

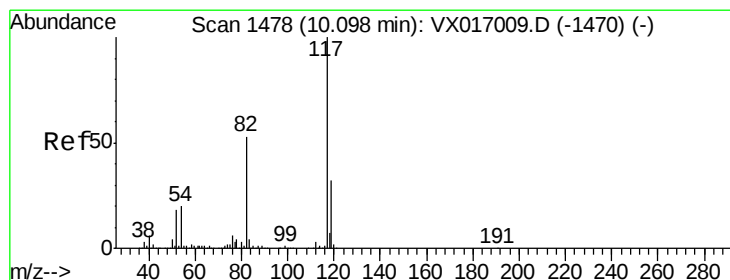
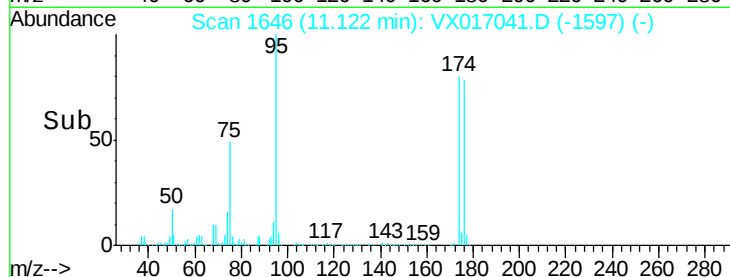
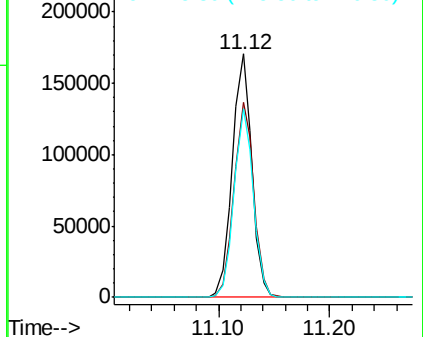
176 77.2 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017041.D

Acq: 30 Jun 2020 13:45

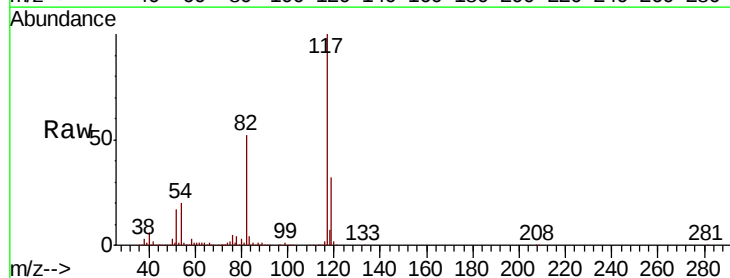
Tgt Ion: 117 Resp: 424437

Ion Ratio Lower Upper

117 100

82 52.0 42.6 63.8

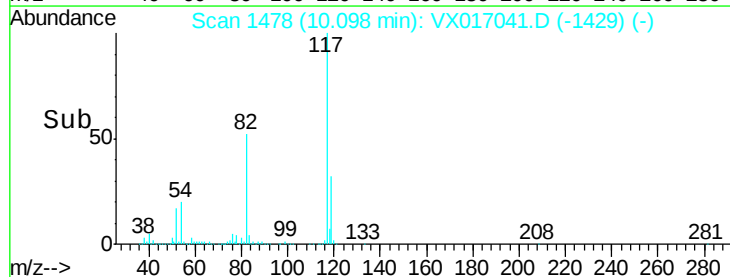
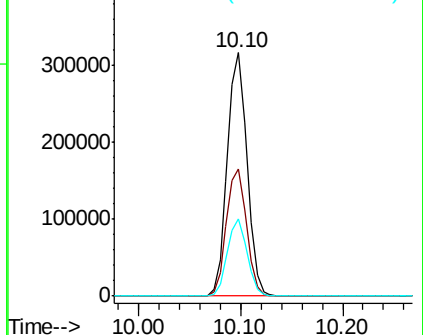
119 31.7 25.4 38.2

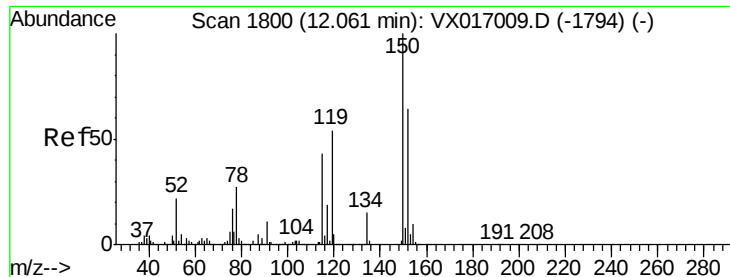


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017041.D

Acq: 30 Jun 2020 13:45

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

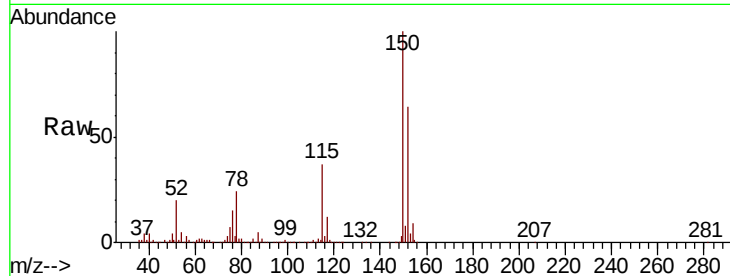
Tot Ion:152 Resp: 222680

Ion Ratio Lower Upper

152 100

115 57.7 40.9 122.7

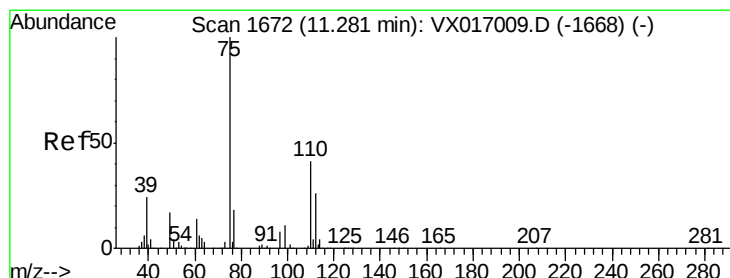
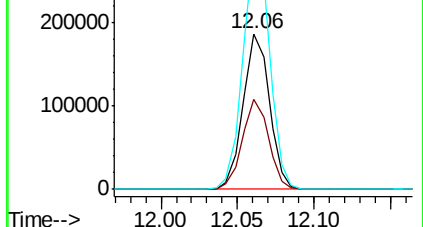
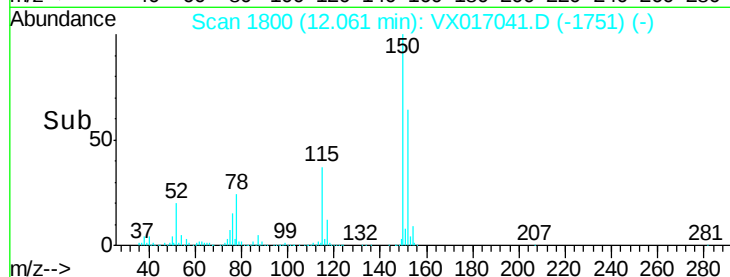
150 156.5 0.0 351.6



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: 23.338 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017041.D

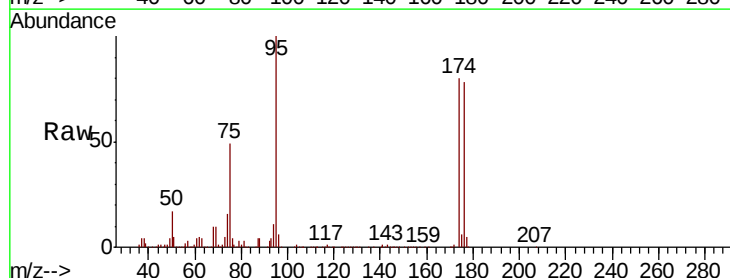
Acq: 30 Jun 2020 13:45

Tgt Ion: 75 Resp: 102196

Ion Ratio Lower Upper

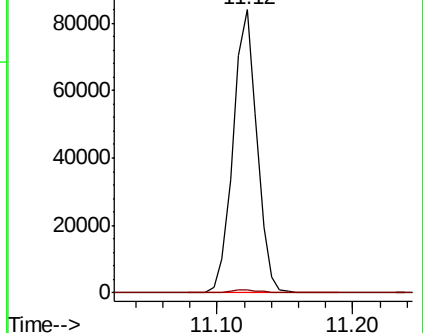
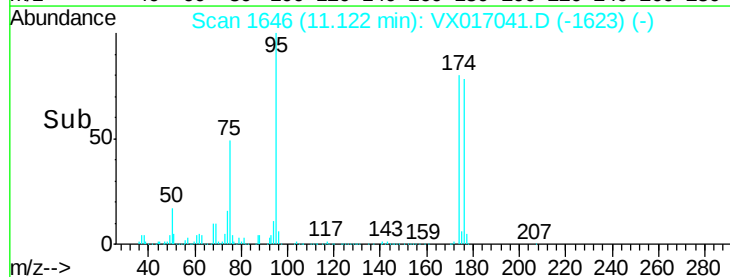
75 100

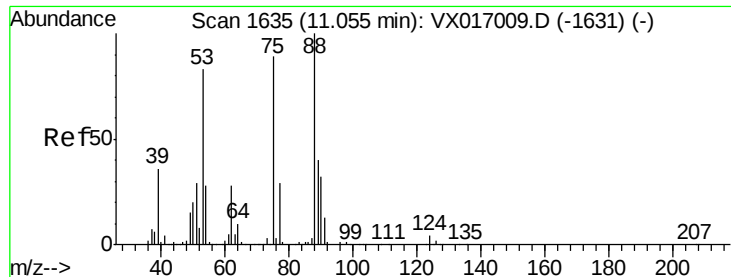
77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

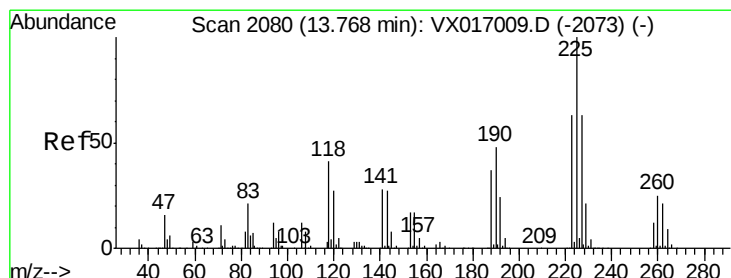
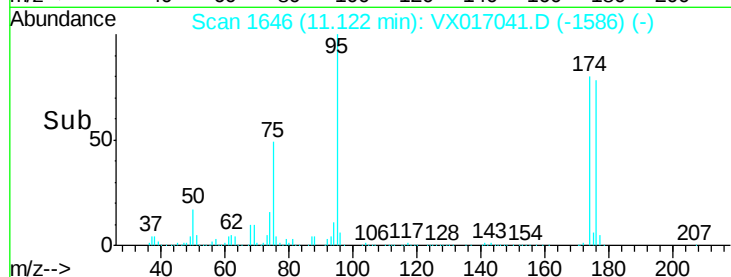
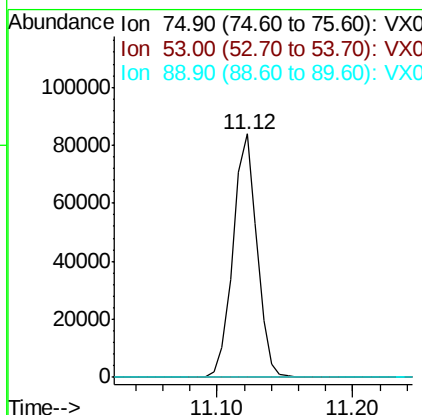
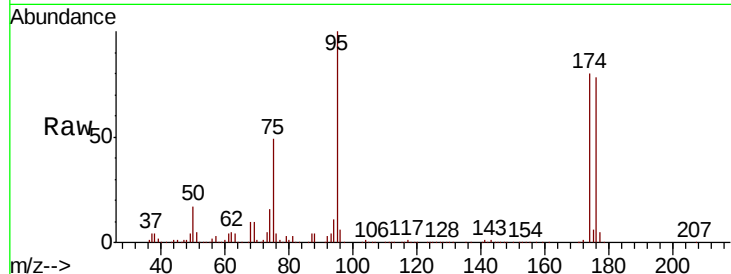




#81
trans-1,4-Dichloro-2-butene
Concen: 60.438 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX017041.D
Acq: 30 Jun 2020 13:45

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

Tot Ion: 75 Resp: 102196
Ion Ratio Lower Upper
75 100
53 0.3 72.4 108.6#
89 0.1 37.0 55.4#



#94
Hexachlorobutadiene
Concen: 0.867 ug/l
RT: 13.76 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX017041.D
Acq: 30 Jun 2020 13:45

Tgt Ion: 225 Resp: 41
Ion Ratio Lower Upper
225 100
223 0.0 32.5 97.5#
227 58.5 33.1 99.2

