

Data File : VX017254.D
Acq On : 08 Jul 2020 14:45
Operator : JC/SP
Sample : L3192-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Quant Time: Jul 09 02:31:37 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	243956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	415119	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	451108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	230564	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	161412	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
35) Dibromofluoromethane	5.46	113	140134	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
50) Toluene-d8	8.70	98	523159	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
62) 4-Bromofluorobenzene	11.12	95	213654	56.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.58%	

Target Compounds

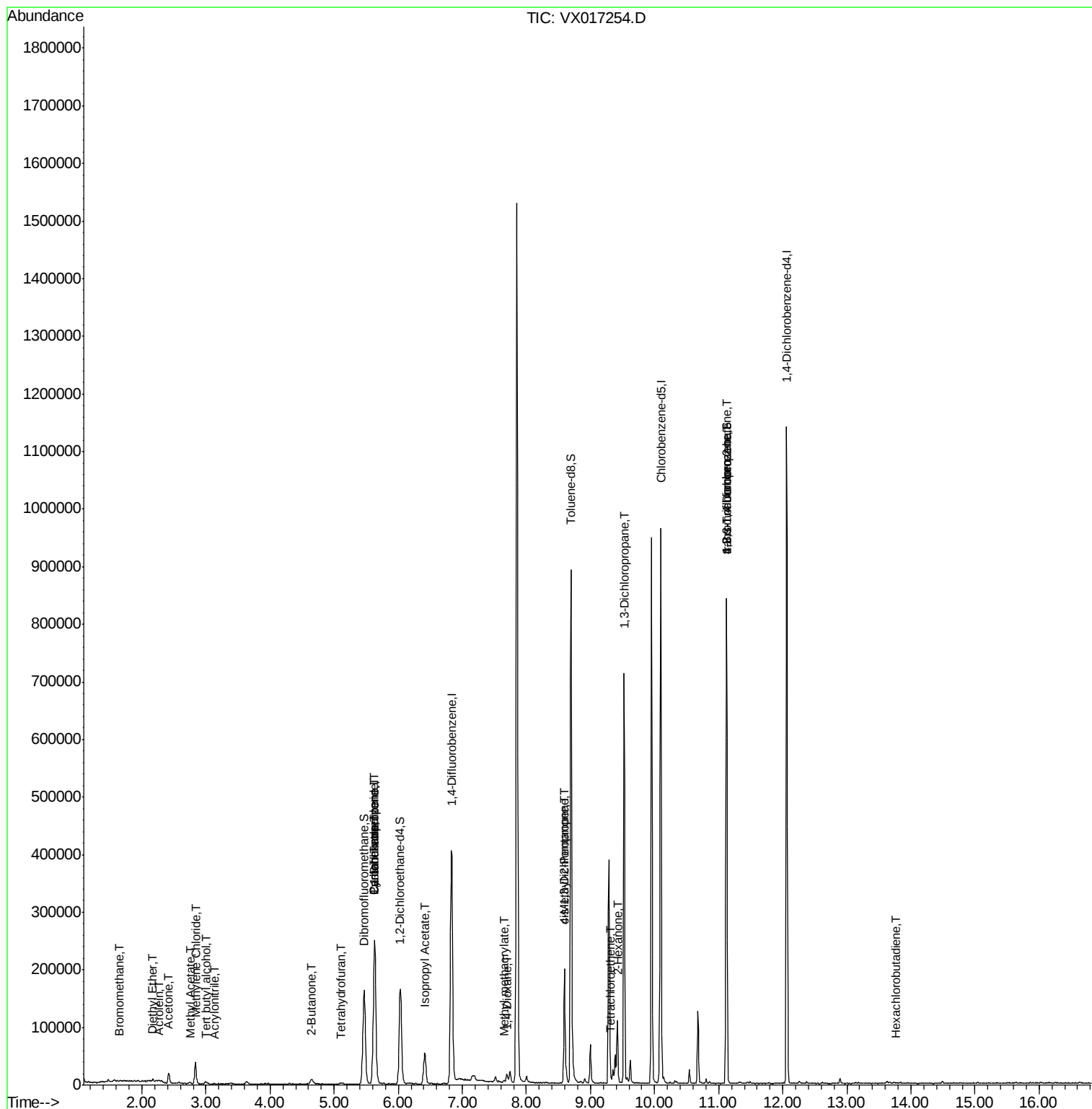
						Qvalue
5) Bromomethane	1.65	94	460	0.328	ug/l	87
8) Diethyl Ether	2.17	74	1453	1.459	ug/l	89
11) Tert butyl alcohol	3.01	59	2075	3.617	ug/l #	84
13) Acrolein	2.26	56	256	0.746	ug/l #	82
15) Acrylonitrile	3.12	53	349	0.253	ug/l #	74
16) Acetone	2.42	43	19771	17.573	ug/l	99
18) Methyl Acetate	2.75	43	3989	1.358	ug/l	98
20) Methylene Chloride	2.84	84	17142	5.954	ug/l	96
25) 2-Butanone	4.64	43	3682	1.964	ug/l #	84
29) Tetrahydrofuran	5.10	42	1073	0.866	ug/l #	87
31) Cyclohexane	5.62	56	4827	1.189	ug/l #	2
36) 1,1-Dichloropropene	5.62	75	17565	4.477	ug/l #	51
38) Carbon Tetrachloride	5.64	117	22885	5.296	ug/l #	19
43) Isopropyl Acetate	6.42	43	74766	11.303	ug/l	98
44) Trichloroethene	7.19	130	783	Below Cal		99
48) Methyl methacrylate	7.65	41	3989	1.269	ug/l #	15
49) 1,4-Dioxane	7.70	88	24	0.337	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	71443	18.119	ug/l #	46
54) cis-1,3-Dichloropropene	8.59	75	32341	6.564	ug/l #	61
57) 1,3-Dichloropropane	9.52	76	6251	1.256	ug/l #	46
59) 2-Hexanone	9.42	43	69749	24.221	ug/l #	23
64) Tetrachloroethene	9.32	164	984	0.270	ug/l #	79
76) 1,2,3-Trichloropropane	11.12	75	105730	23.320	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	105730	60.390	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	677	Below Cal		82
94) Hexachlorobutadiene	13.77	225	216	0.961	ug/l #	48

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017254.D

Acq: 08 Jul 2020 14:45

Instrument :

MSVOA_X

ClientSampleId :

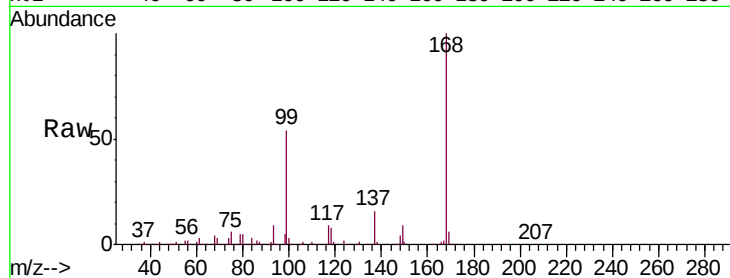
IBLK

Tgt Ion:168 Resp: 243956

Ion Ratio Lower Upper

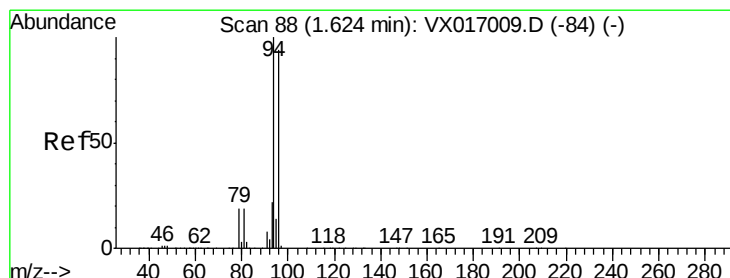
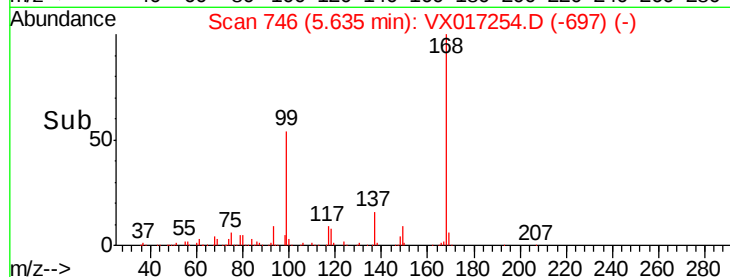
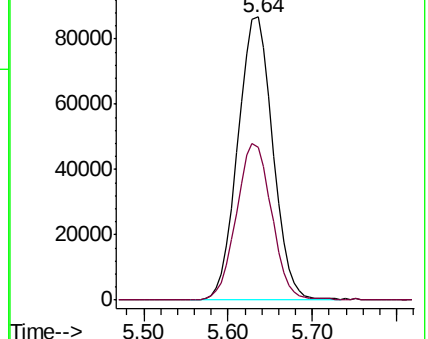
168 100

99 54.2 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.328 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX017254.D

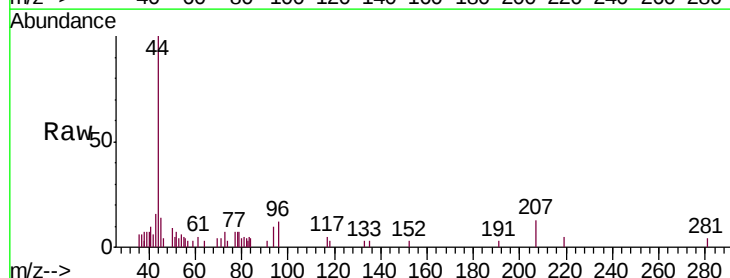
Acq: 08 Jul 2020 14:45

Tgt Ion: 94 Resp: 460

Ion Ratio Lower Upper

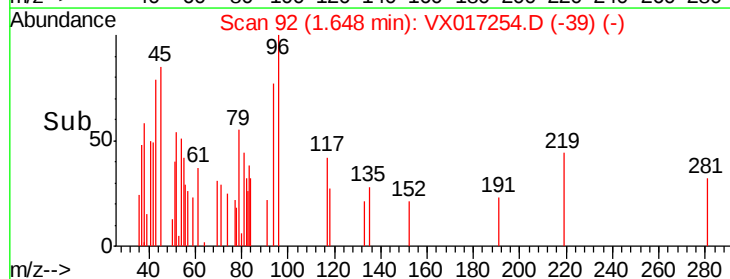
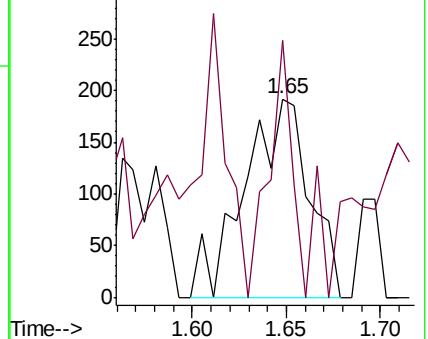
94 100

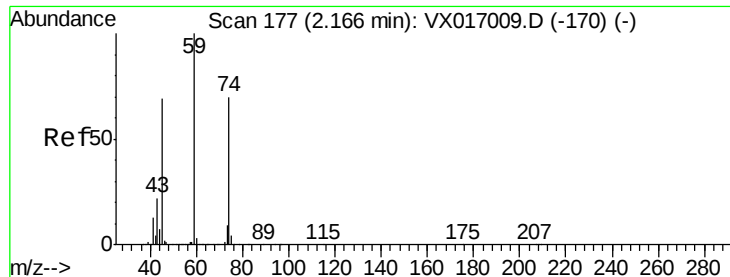
96 80.7 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 1.459 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017254.D

Acq: 08 Jul 2020 14:45

Instrument :

MSVOA_X

ClientSampled :

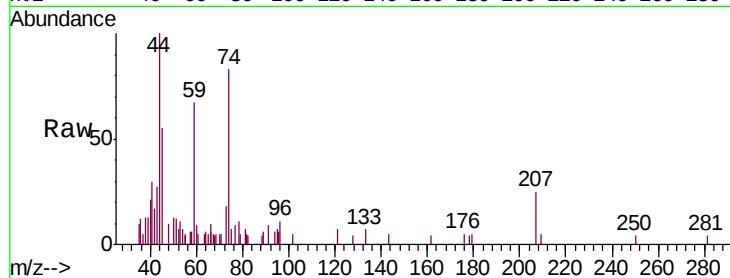
IBLK

Tgt Ion: 74 Resp: 1453

Ion Ratio Lower Upper

74 100

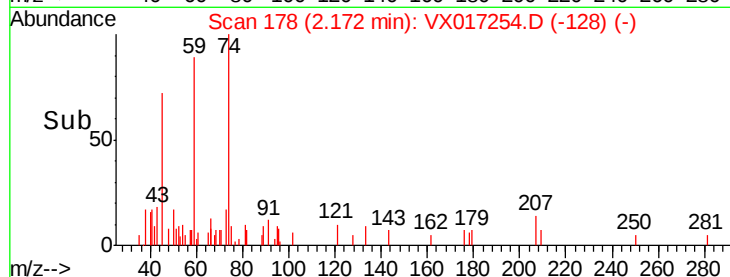
45 88.2 49.8 149.3



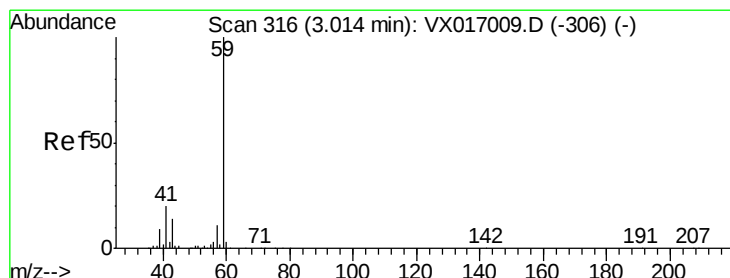
Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

Time-->



Time-->



#11

Tert butyl alcohol

Concen: 3.617 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX017254.D

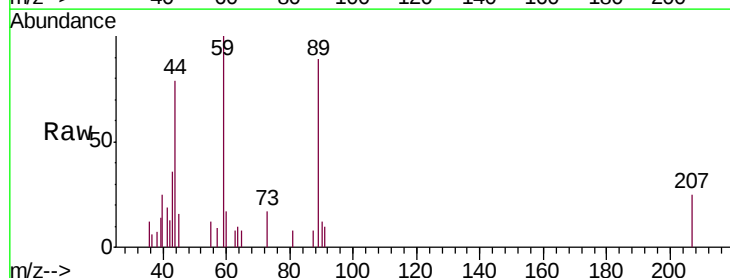
Acq: 08 Jul 2020 14:45

Tgt Ion: 59 Resp: 2075

Ion Ratio Lower Upper

59 100

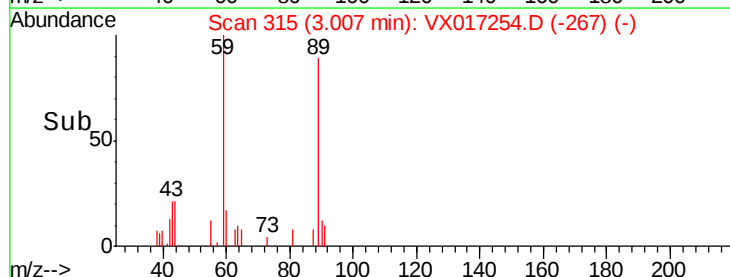
57 4.2 8.2 12.2#



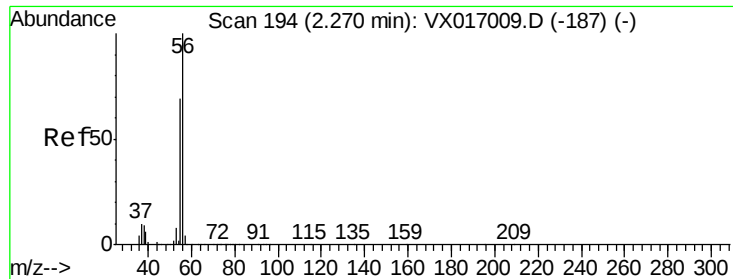
Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Time-->



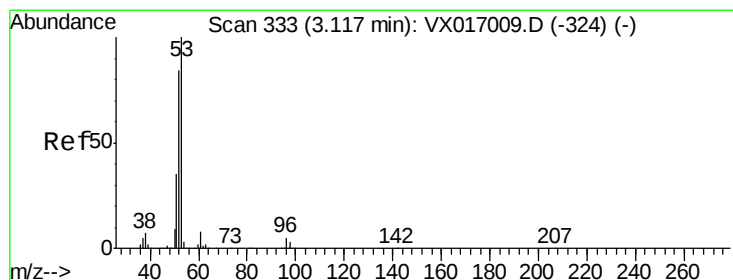
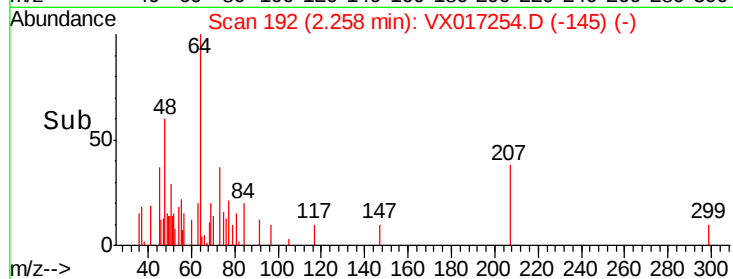
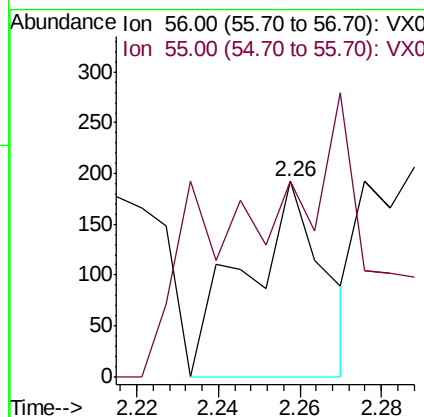
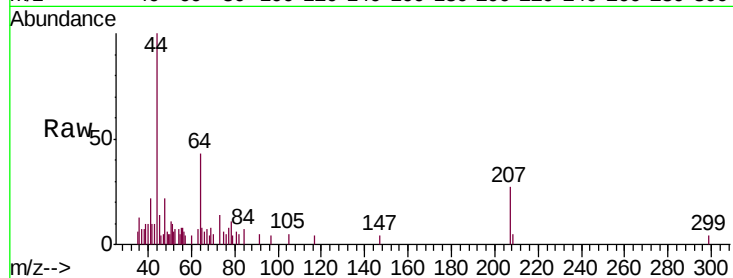
Time-->



#13
Acrolein
Concen: 0.746 ug/l
RT: 2.26 min Scan# 192
Delta R.T. -0.01 min
Lab File: VX017254.D
Acq: 08 Jul 2020 14:45

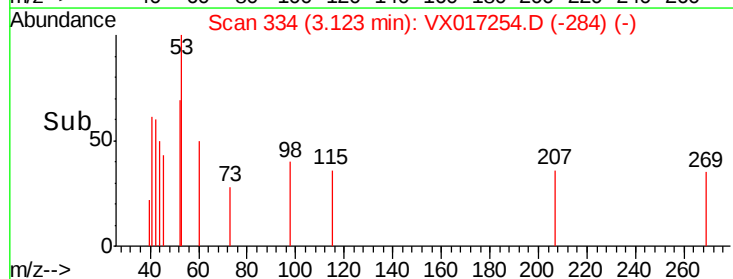
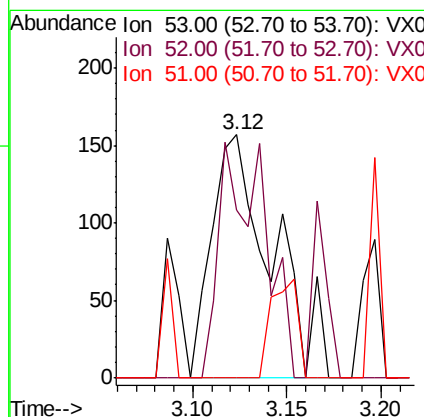
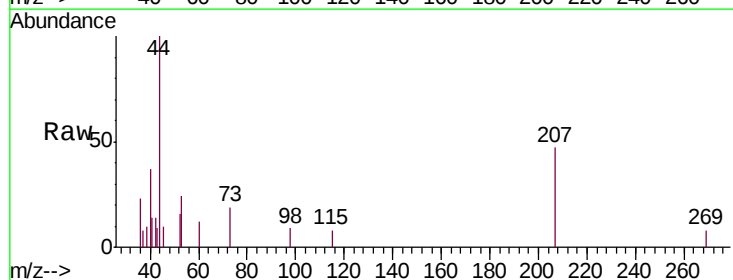
Instrument :
MSVOA_X
ClientSampled :
IBLK

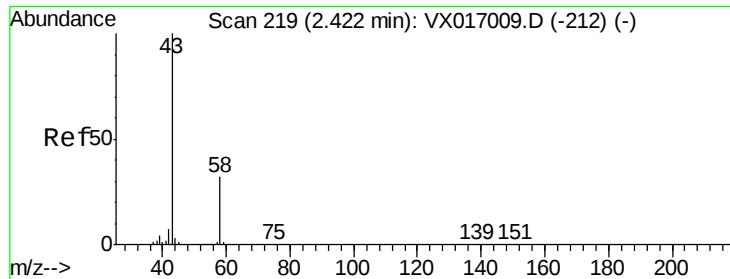
Tgt Ion: 56 Resp: 256
Ion Ratio Lower Upper
56 100
55 54.7 55.7 83.5#



#15
Acrylonitrile
Concen: 0.253 ug/l
RT: 3.12 min Scan# 334
Delta R.T. 0.01 min
Lab File: VX017254.D
Acq: 08 Jul 2020 14:45

Tgt Ion: 53 Resp: 349
Ion Ratio Lower Upper
53 100
52 72.2 65.6 98.4
51 0.0 28.3 42.5#





#16

Acetone

Concen: 17.573 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017254.D

Acq: 08 Jul 2020 14:45

Instrument :

MSVOA_X

ClientSampleId :

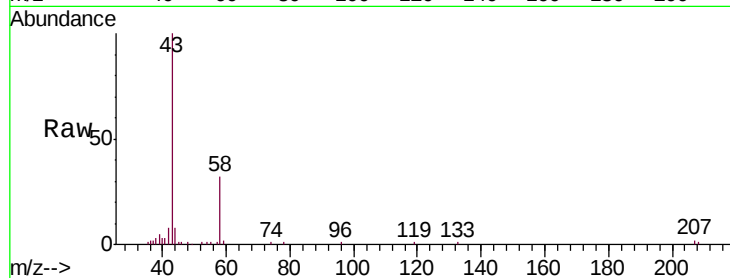
IBLK

Tgt Ion: 43 Resp: 19771

Ion Ratio Lower Upper

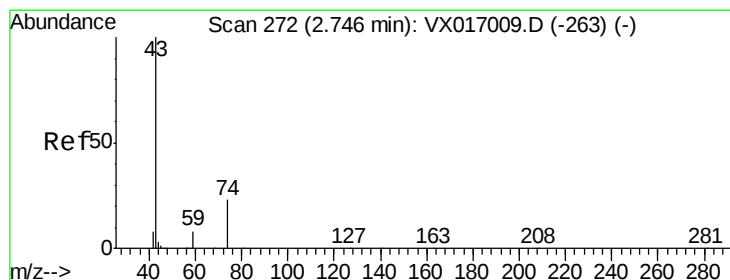
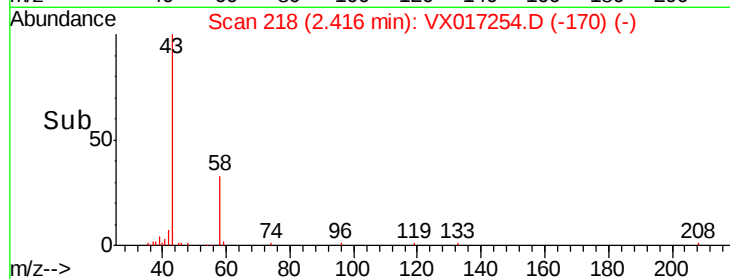
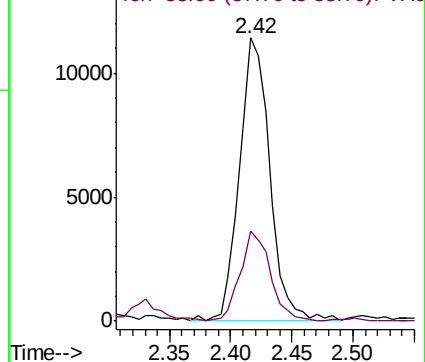
43 100

58 31.3 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 1.358 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX017254.D

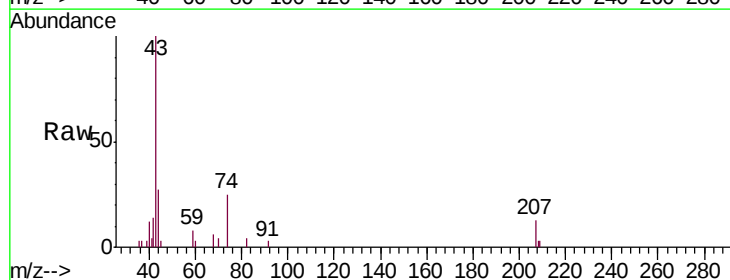
Acq: 08 Jul 2020 14:45

Tgt Ion: 43 Resp: 3989

Ion Ratio Lower Upper

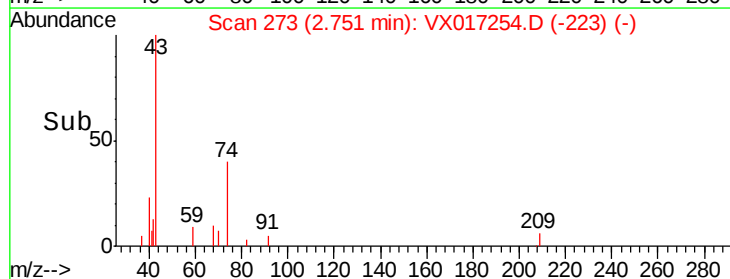
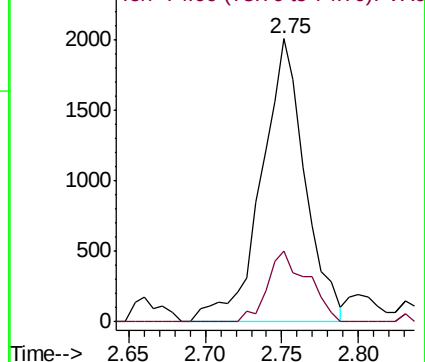
43 100

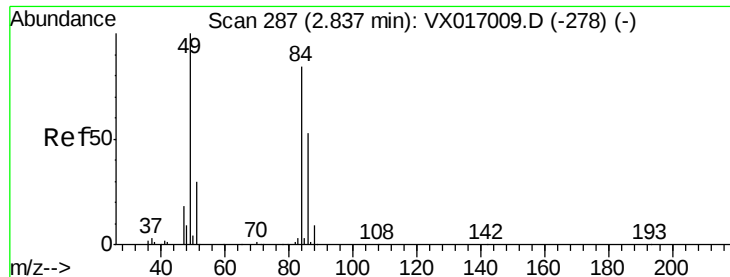
74 23.1 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

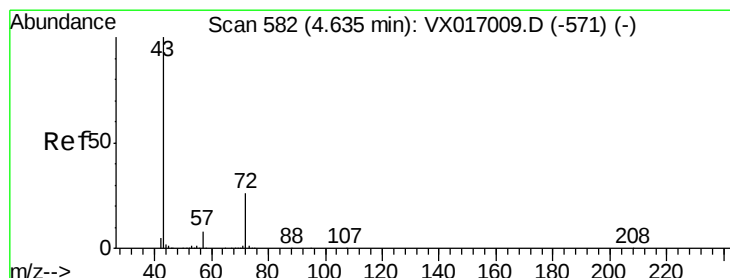
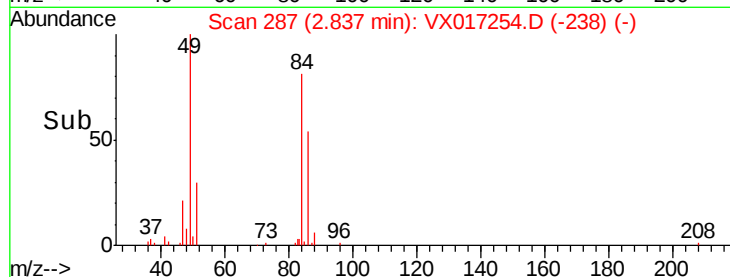
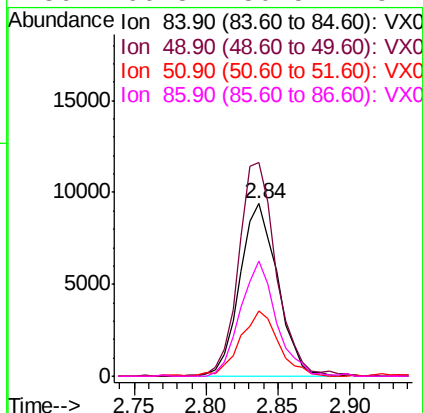
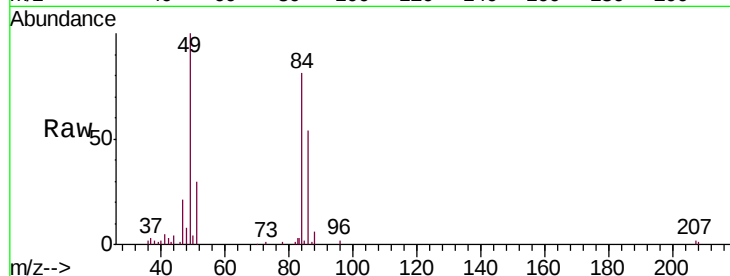




#20
Methylene Chloride
Concen: 5.954 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017254.D
Acq: 08 Jul 2020 14:45

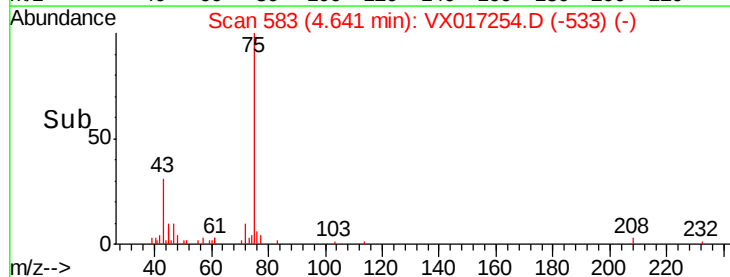
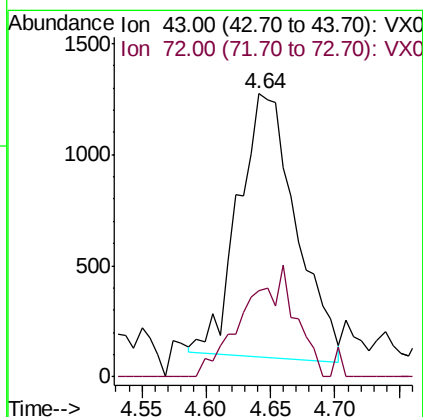
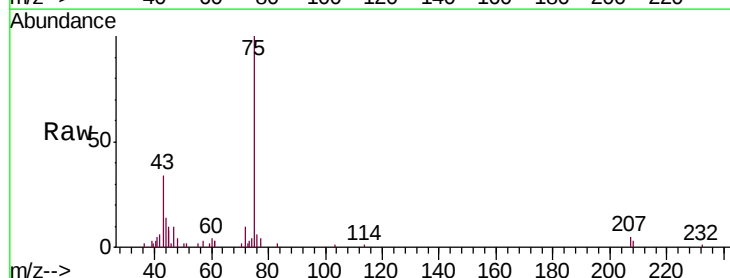
Instrument :
MSVOA_X
ClientSampleId :
IBLK

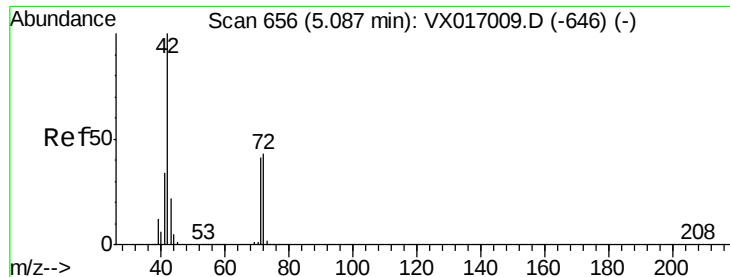
Tgt Ion:	84	Resp:	17142
Ion	Ratio	Lower	Upper
84	100		
49	123.2	94.7	142.1
51	37.6	28.6	42.8
86	66.8	50.5	75.7



#25
2-Butanone
Concen: 1.964 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX017254.D
Acq: 08 Jul 2020 14:45

Tgt Ion:	43	Resp:	3682
Ion	Ratio	Lower	Upper
43	100		
72	34.2	20.8	31.2#





#29

Tetrahydrofuran

Concen: 0.866 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX017254.D

Acq: 08 Jul 2020 14:45

Instrument :

MSVOA_X

ClientSampleId :

IBLK

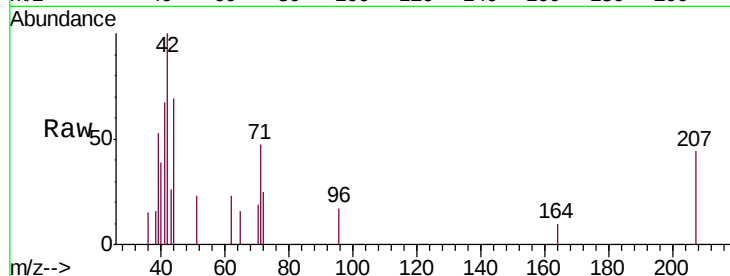
Tgt Ion: 42 Resp: 1073

Ion Ratio Lower Upper

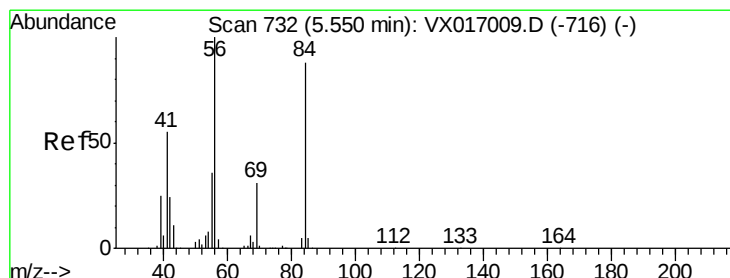
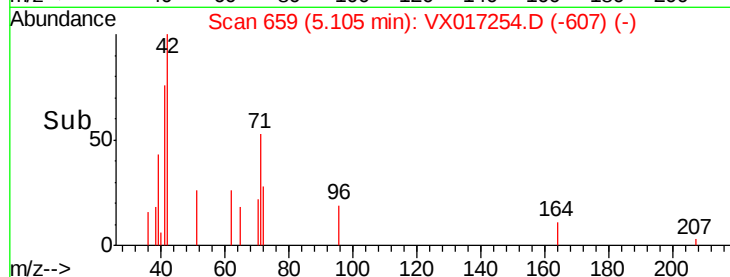
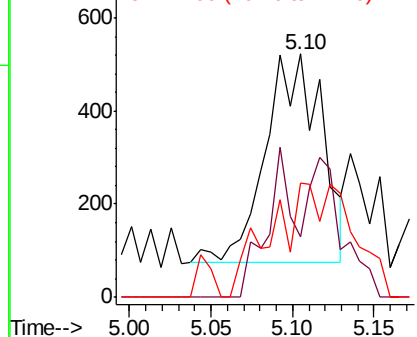
42 100

72 33.6 35.3 52.9#

71 47.8 33.1 49.7



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



#31

Cyclohexane

Concen: 1.189 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX017254.D

Acq: 08 Jul 2020 14:45

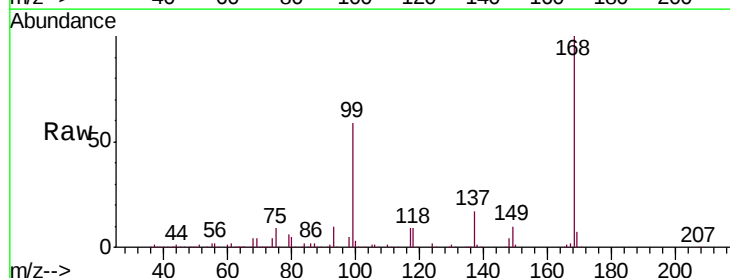
Tgt Ion: 56 Resp: 4827

Ion Ratio Lower Upper

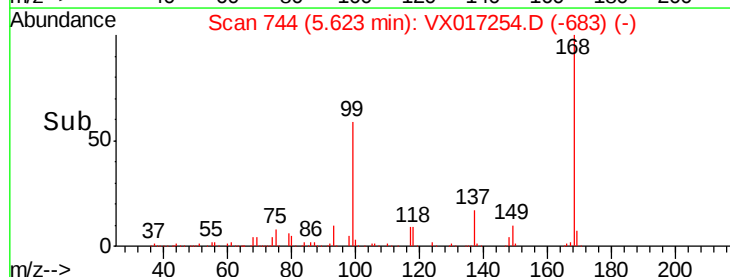
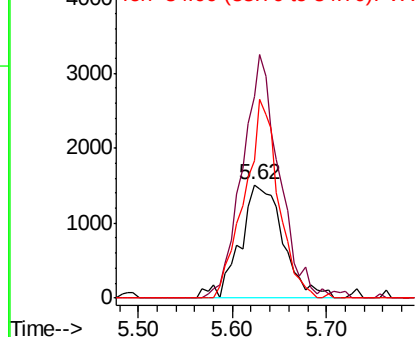
56 100

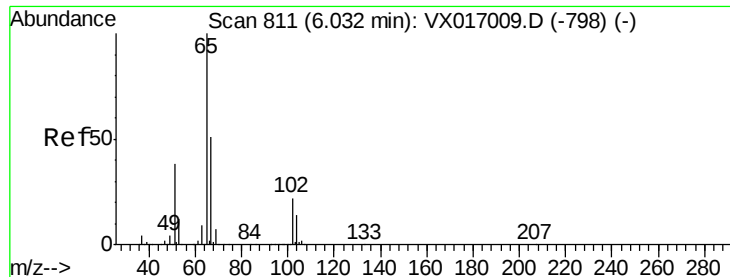
69 177.3 25.0 37.4#

84 120.9 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

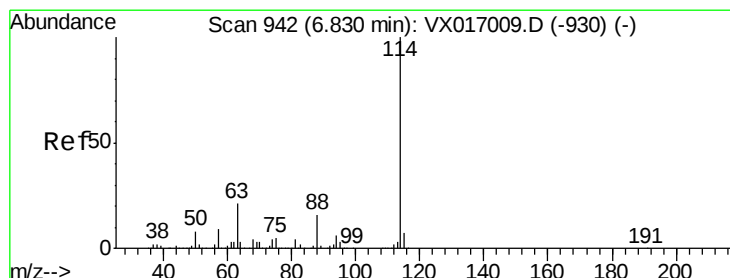
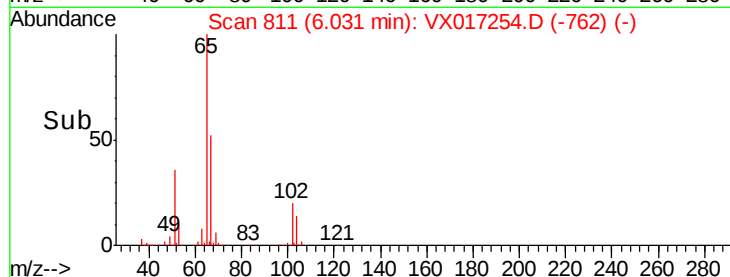
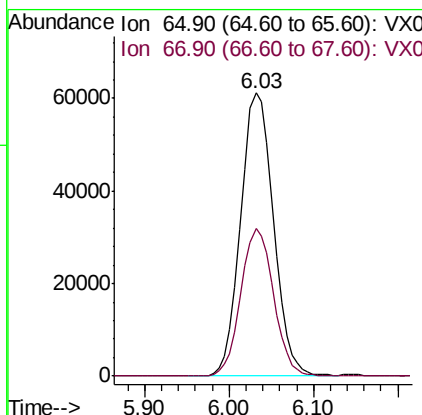
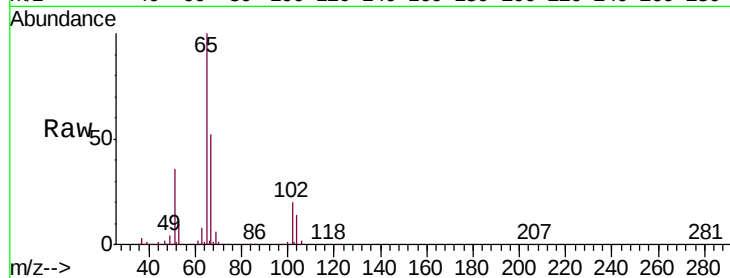




#33
 1,2-Dichloroethane-d4
 Concen: 53.670 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017254.D
 Acq: 08 Jul 2020 14:45

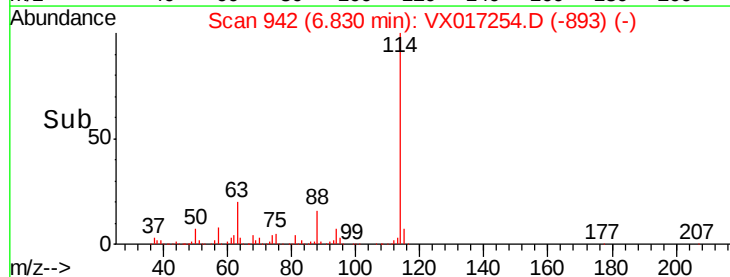
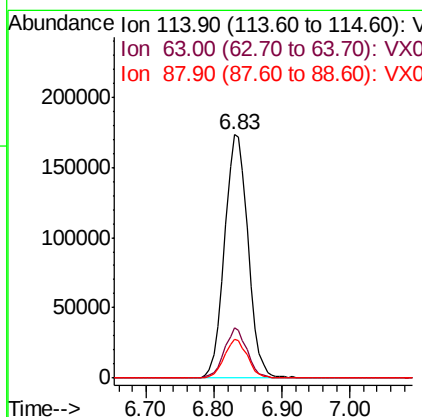
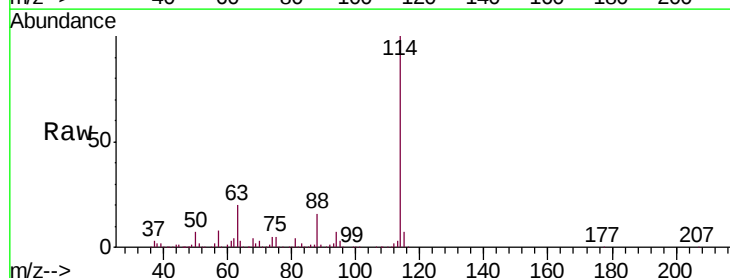
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

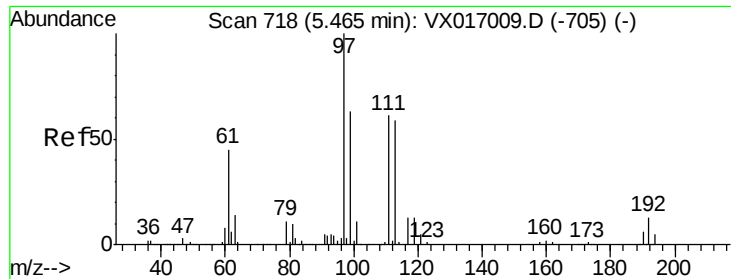
Tgt Ion: 65 Resp: 161412
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017254.D
 Acq: 08 Jul 2020 14:45

Tgt Ion: 114 Resp: 415119
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.4
 88 16.0 0.0 32.4

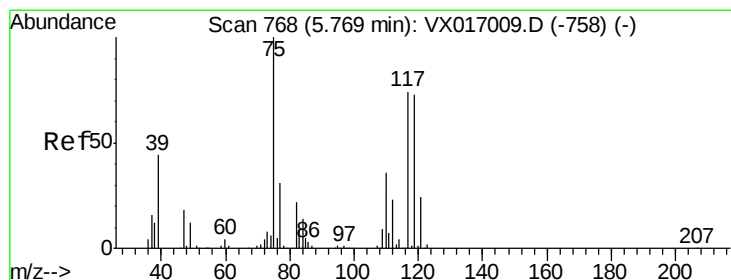
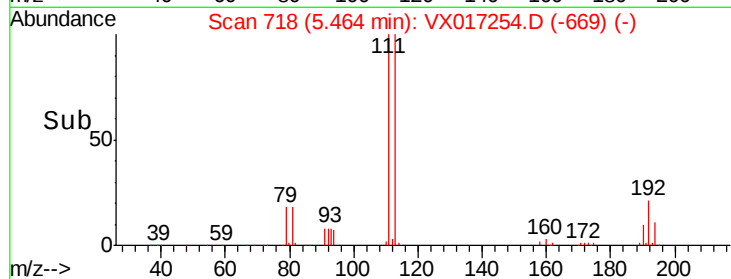
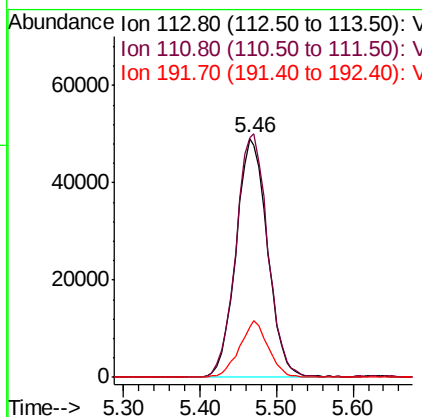
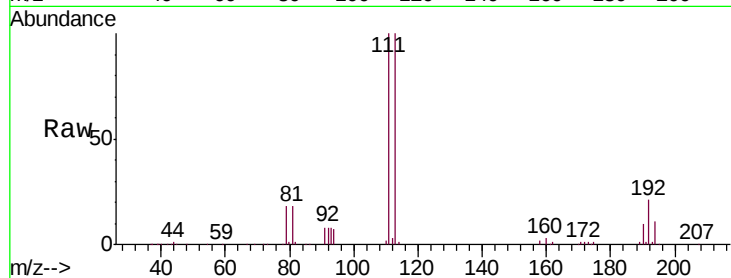




#35
Dibromofluoromethane
Concen: 53.366 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX017254.D
Acq: 08 Jul 2020 14:45

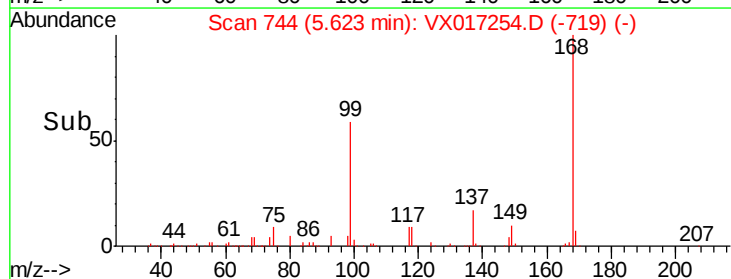
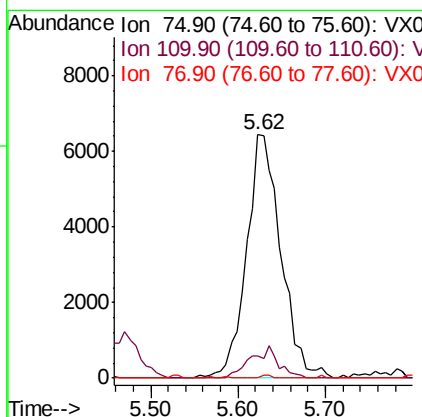
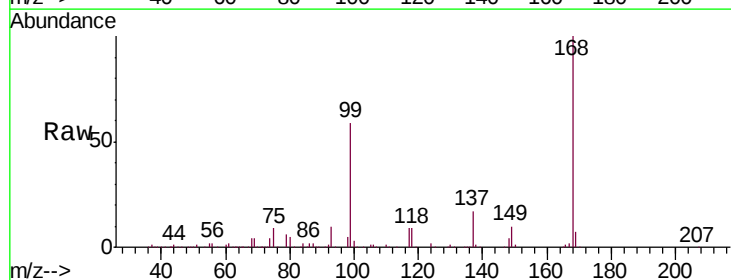
Instrument :
MSVOA_X
ClientSampleId :
IBLK

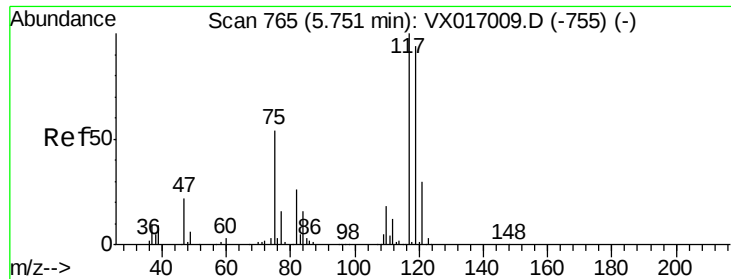
Tgt Ion:113 Resp: 140134
Ion Ratio Lower Upper
113 100
111 103.1 81.9 122.9
192 21.5 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.477 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.15 min
Lab File: VX017254.D
Acq: 08 Jul 2020 14:45

Tgt Ion: 75 Resp: 17565
Ion Ratio Lower Upper
75 100
110 10.8 18.1 54.1#
77 0.3 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.296 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017254.D

Acq: 08 Jul 2020 14:45

Instrument :

MSVOA_X

ClientSampled :

IBLK

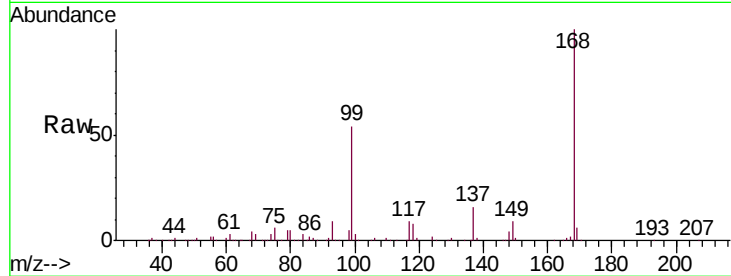
Tgt Ion: 117 Resp: 22885

Ion Ratio Lower Upper

117 100

119 7.9 75.4 113.0#

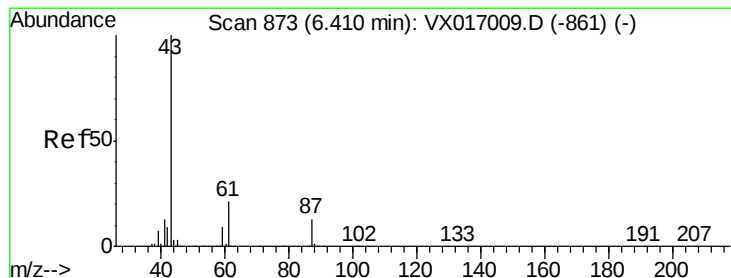
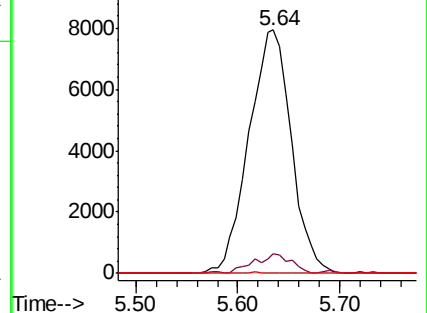
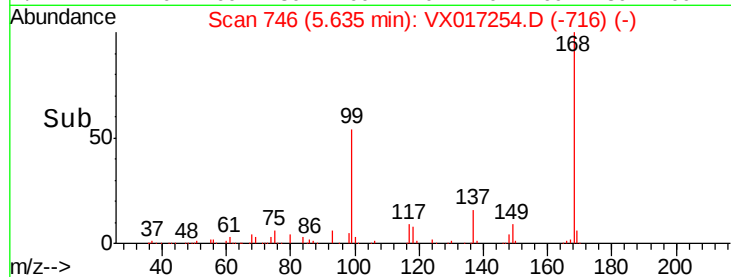
121 0.0 23.8 35.6#



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



#43

Isopropyl Acetate

Concen: 11.303 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.01 min

Lab File: VX017254.D

Acq: 08 Jul 2020 14:45

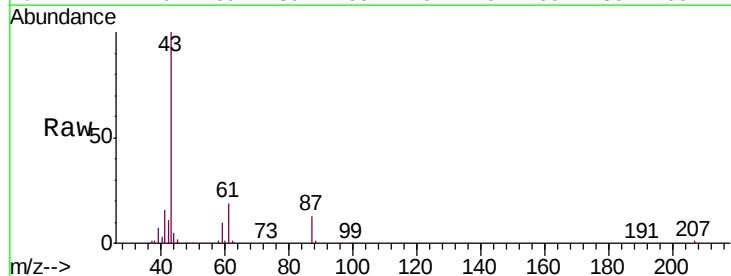
Tgt Ion: 43 Resp: 74766

Ion Ratio Lower Upper

43 100

61 20.6 16.2 24.2

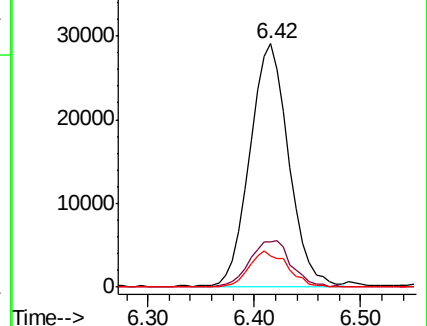
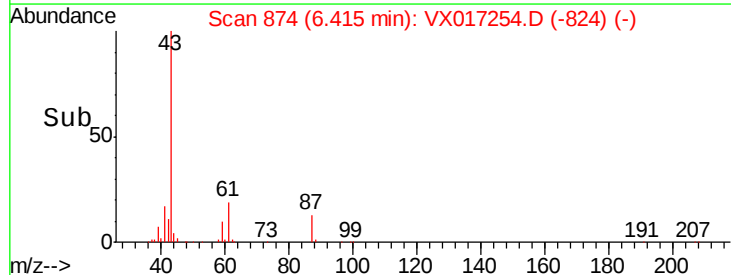
87 14.5 10.7 16.1

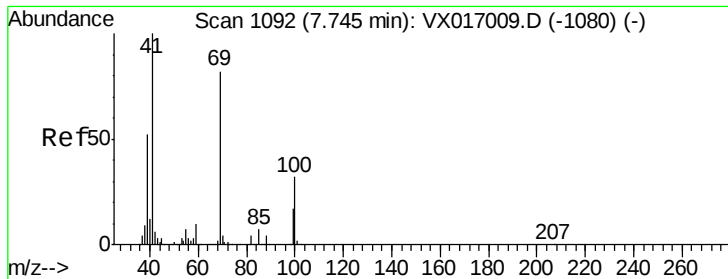


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methyl methacrylate

Concen: 1.269 ug/l

RT: 7.65 min Scan# 1077

Delta R.T. -0.09 min

Lab File: VX017254.D

Acq: 08 Jul 2020 14:45

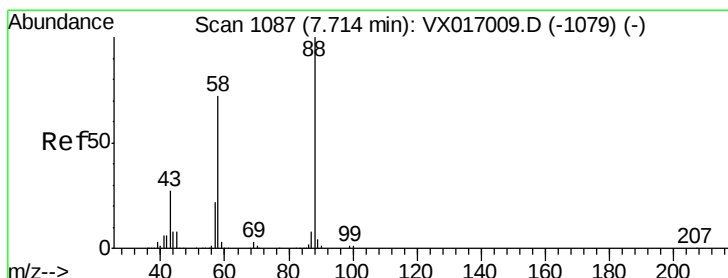
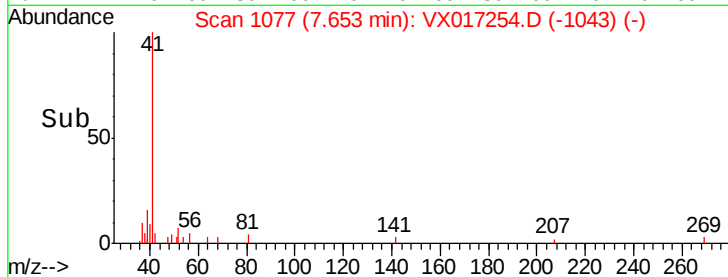
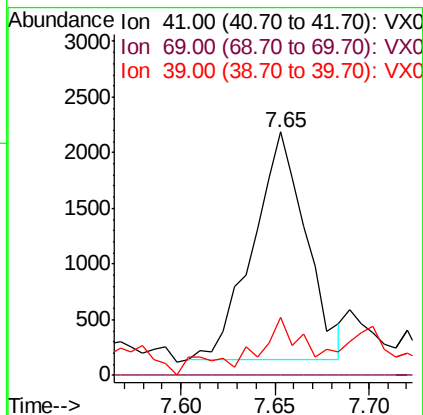
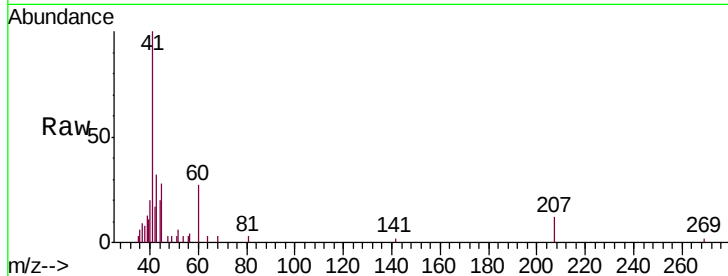
Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion:	41	Resp:	3989
Ion	Ratio	Lower	Upper
41	100		
69	0.0	65.8	98.8#
39	0.0	42.5	63.7#



#49

1,4-Dioxane

Concen: 0.337 ug/l

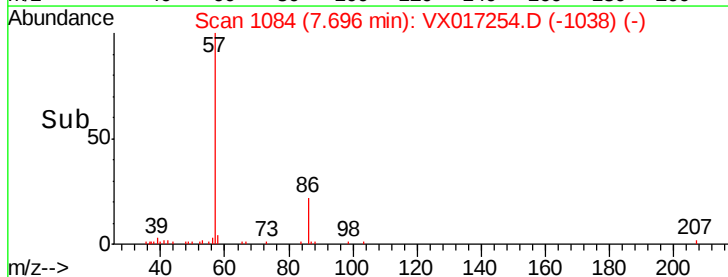
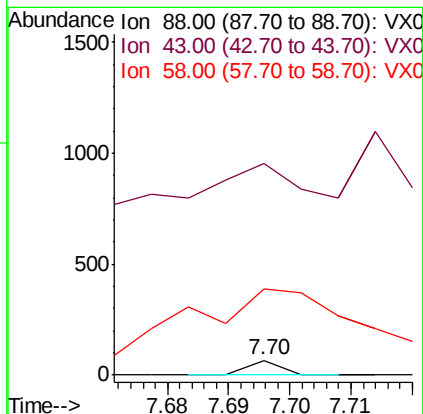
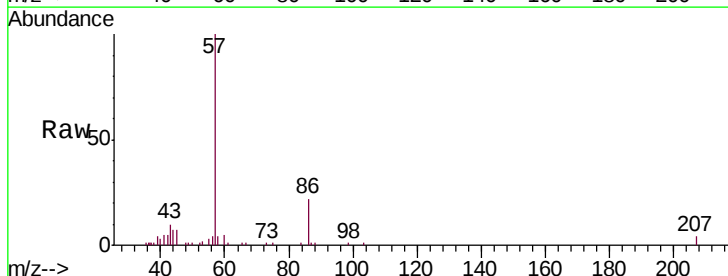
RT: 7.70 min Scan# 1084

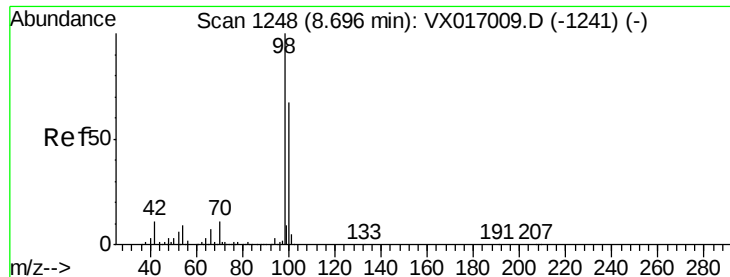
Delta R.T. -0.02 min

Lab File: VX017254.D

Acq: 08 Jul 2020 14:45

Tgt Ion:	88	Resp:	24
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.8	38.8#
58	3562.5	54.8	82.2#





#50

Toluene-d8

Concen: 53.878 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017254.D

Acq: 08 Jul 2020 14:45

Instrument :

MSVOA_X

ClientSampleId :

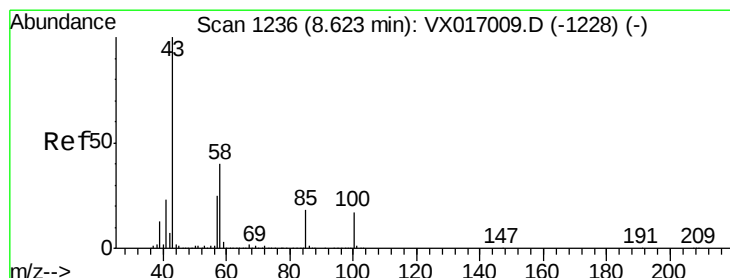
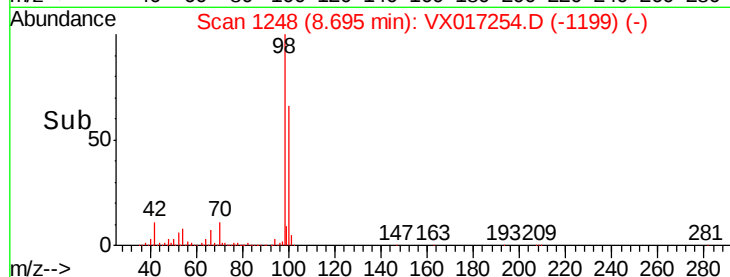
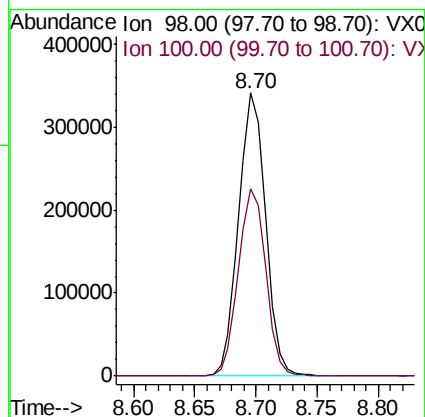
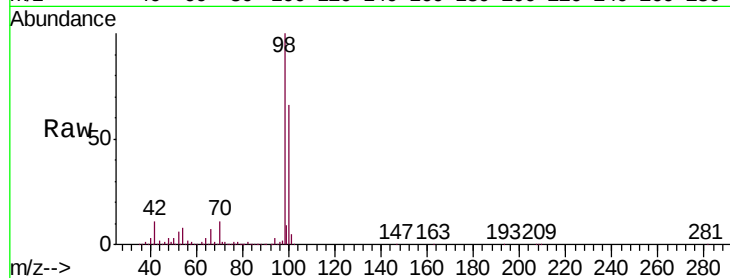
IBLK

Tgt Ion: 98 Resp: 523159

Ion Ratio Lower Upper

98 100

100 67.4 53.8 80.6



#51

4-Methyl-2-Pentanone

Concen: 18.119 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX017254.D

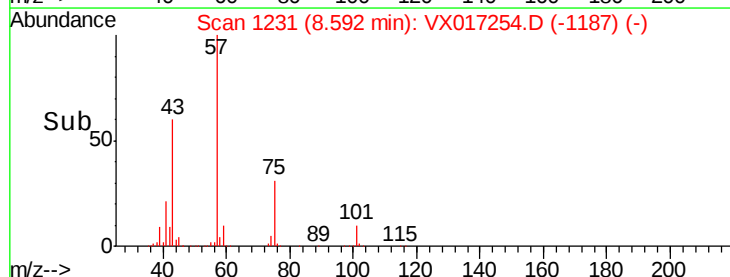
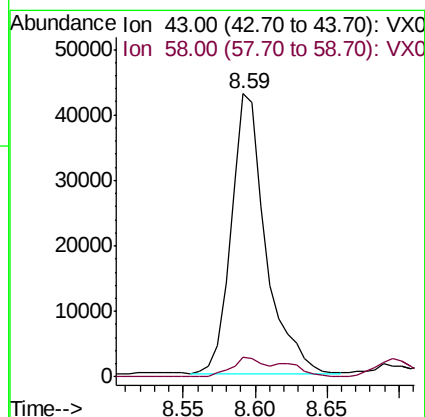
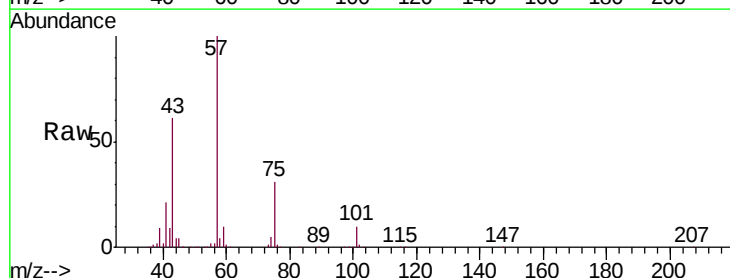
Acq: 08 Jul 2020 14:45

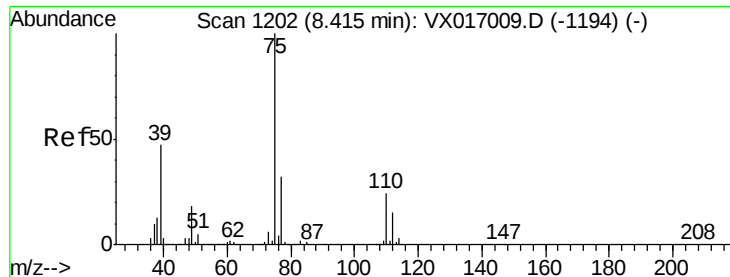
Tgt Ion: 43 Resp: 71443

Ion Ratio Lower Upper

43 100

58 6.7 31.9 47.9#



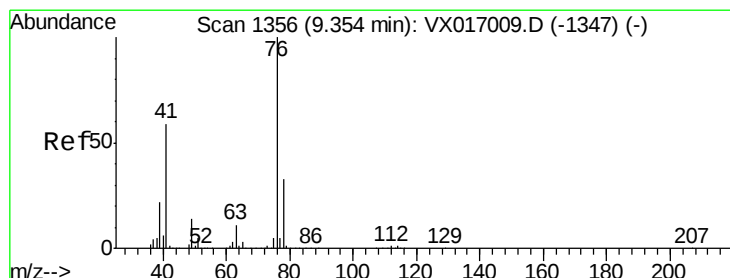
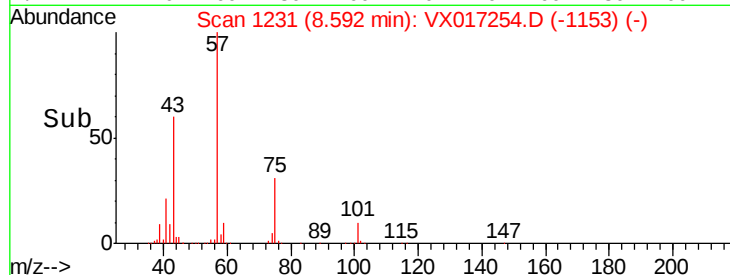
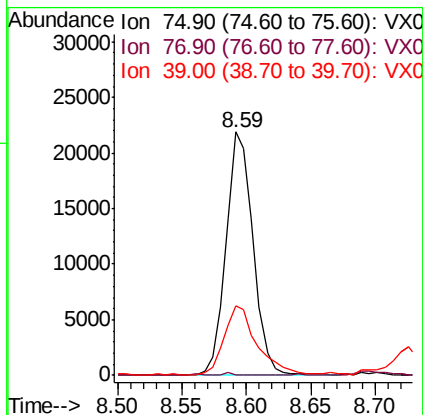
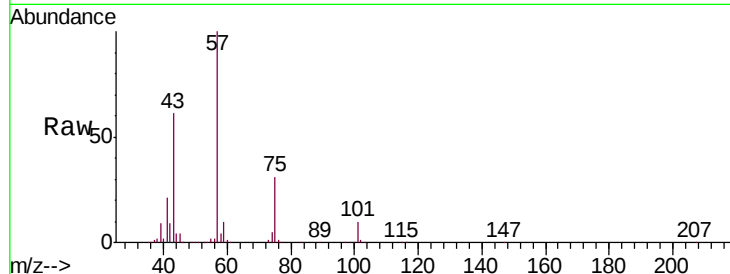


#54

cis-1,3-Dichloropropene
 Concen: 6.564 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX017254.D
 Acq: 08 Jul 2020 14:45

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

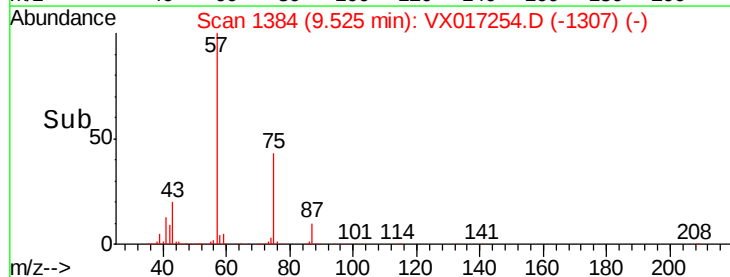
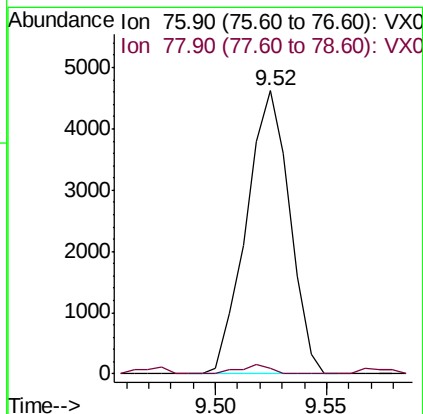
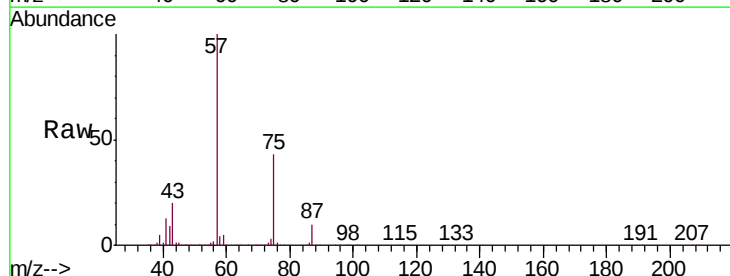
Tgt Ion: 75 Resp: 32341
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.2 37.8#
 39 28.8 37.4 56.2#

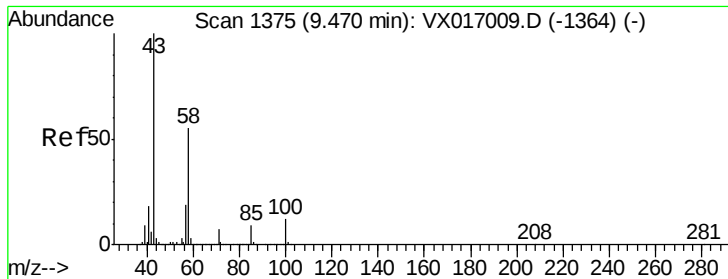


#57

1,3-Dichloropropane
 Concen: 1.256 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.17 min
 Lab File: VX017254.D
 Acq: 08 Jul 2020 14:45

Tgt Ion: 76 Resp: 6251
 Ion Ratio Lower Upper
 76 100
 78 2.3 25.9 38.9#

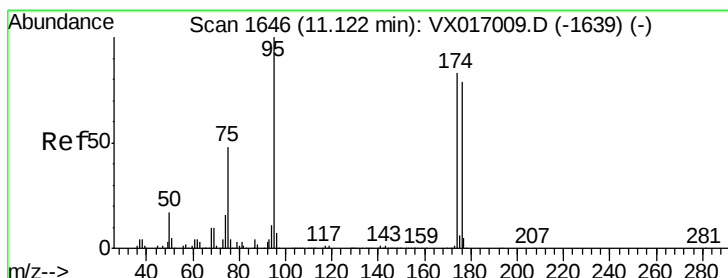
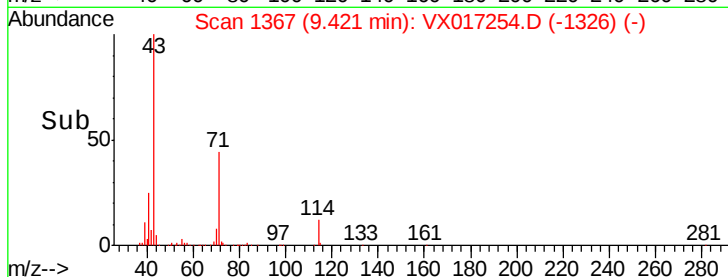
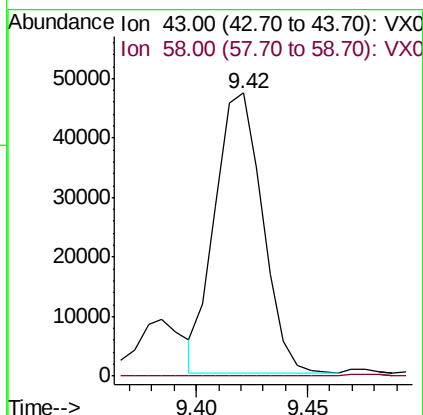
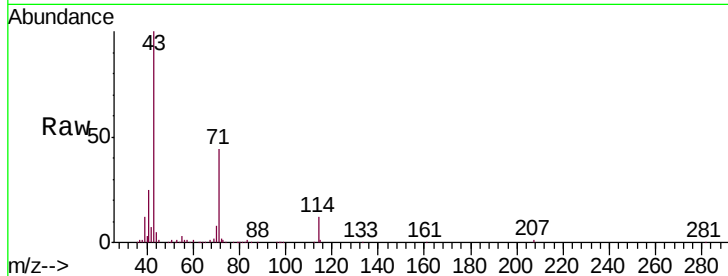




#59
2-Hexanone
Concen: 24.221 ug/l
RT: 9.42 min Scan# 1367
Delta R.T. -0.05 min
Lab File: VX017254.D
Acq: 08 Jul 2020 14:45

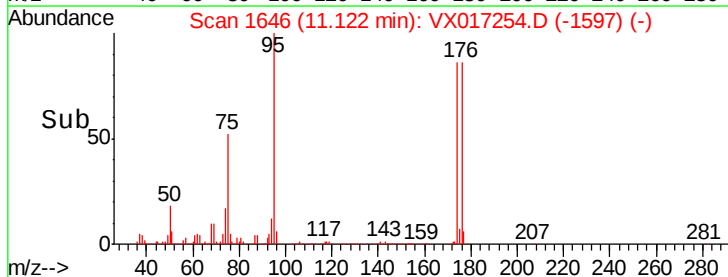
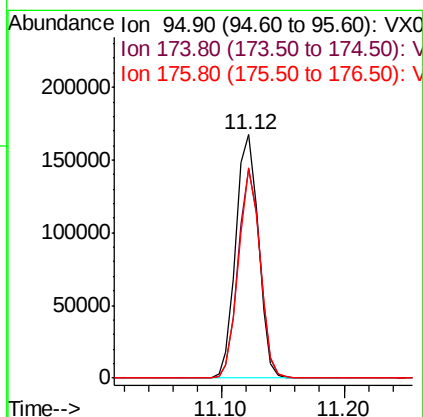
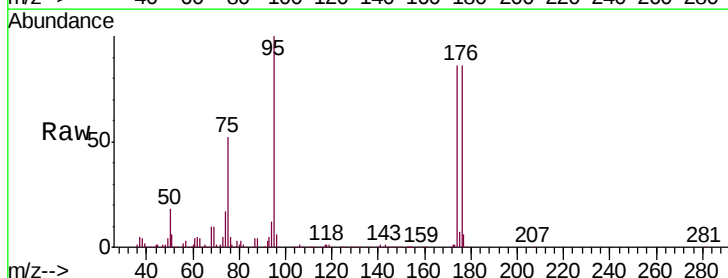
Instrument :
MSVOA_X
ClientSampled :
IBLK

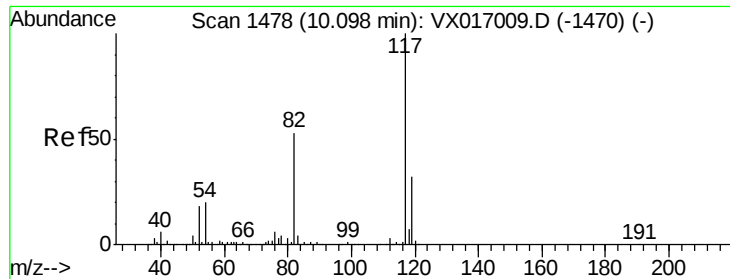
Tgt Ion: 43 Resp: 69749
Ion Ratio Lower Upper
43 100
58 0.0 27.9 83.6#



#62
4-Bromofluorobenzene
Concen: 56.287 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017254.D
Acq: 08 Jul 2020 14:45

Tgt Ion: 95 Resp: 213654
Ion Ratio Lower Upper
95 100
174 83.3 0.0 164.0
176 82.2 0.0 157.6

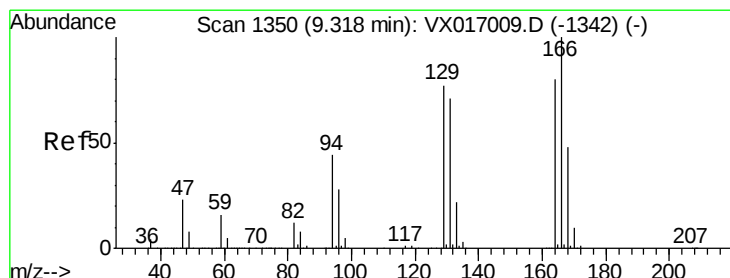
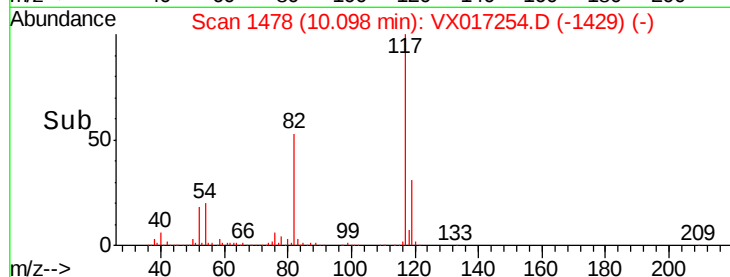
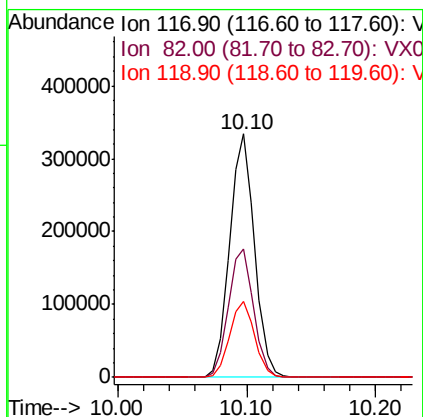
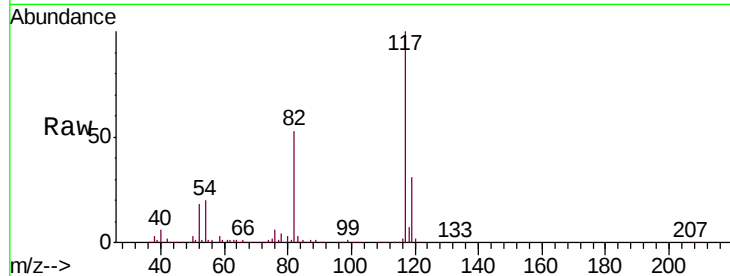




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017254.D
Acq: 08 Jul 2020 14:45

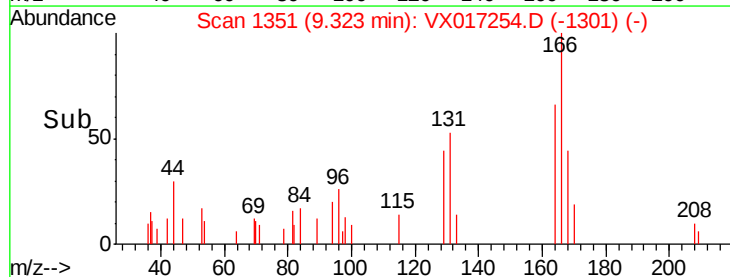
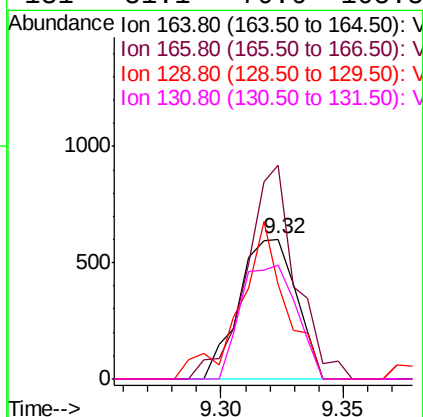
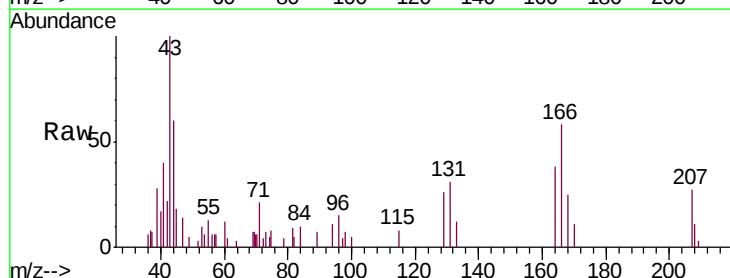
Instrument :
MSVOA_X
ClientSampleId :
IBLK

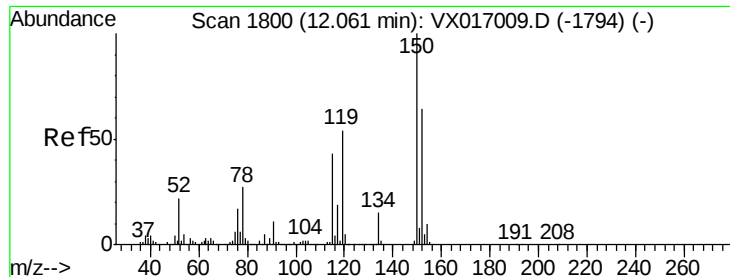
Tgt Ion:117 Resp: 451108
Ion Ratio Lower Upper
117 100
82 52.7 42.6 63.8
119 31.2 25.4 38.2



#64
Tetrachloroethene
Concen: 0.270 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX017254.D
Acq: 08 Jul 2020 14:45

Tgt Ion:164 Resp: 984
Ion Ratio Lower Upper
164 100
166 152.7 99.4 149.0#
129 67.3 76.3 114.5#
131 81.1 70.6 105.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017254.D

Acq: 08 Jul 2020 14:45

Instrument :

MSVOA_X

ClientSampleId :

IBLK

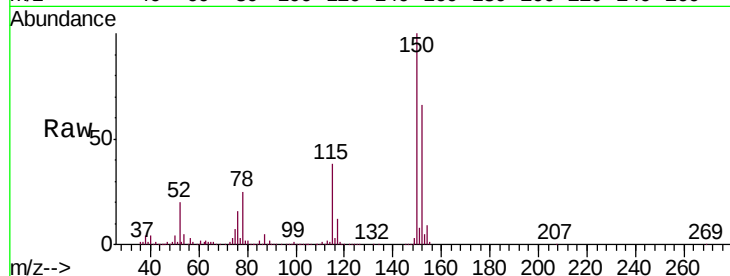
Tgt Ion:152 Resp: 230564

Ion Ratio Lower Upper

152 100

115 57.1 40.9 122.7

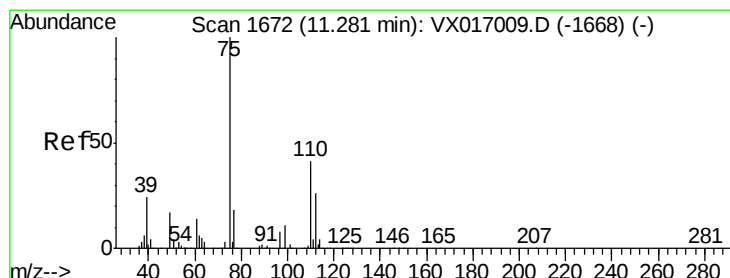
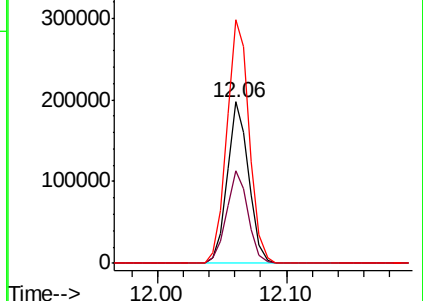
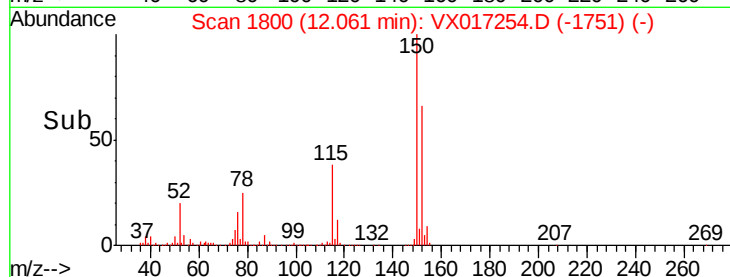
150 157.5 0.0 351.6



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: 23.320 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017254.D

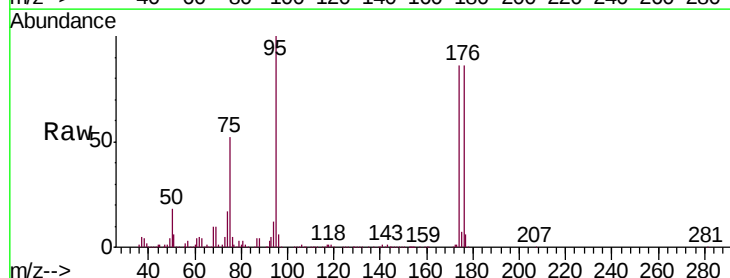
Acq: 08 Jul 2020 14:45

Tgt Ion: 75 Resp: 105730

Ion Ratio Lower Upper

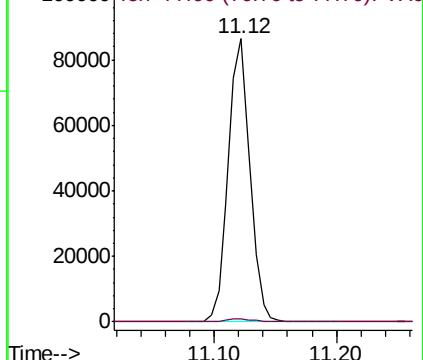
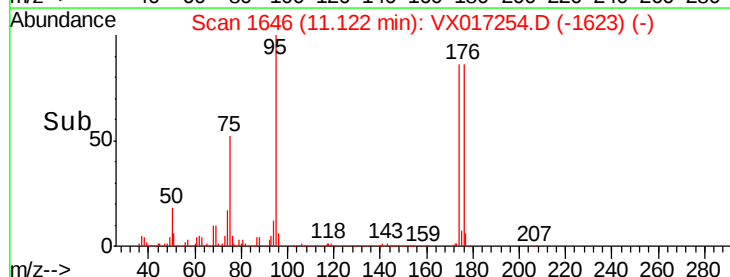
75 100

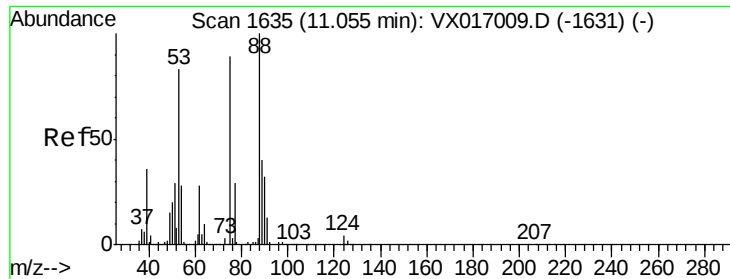
77 1.3 20.2 60.6#



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: 60.390 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017254.D

Acq: 08 Jul 2020 14:45

Instrument :

MSVOA_X

ClientSampleId :

IBLK

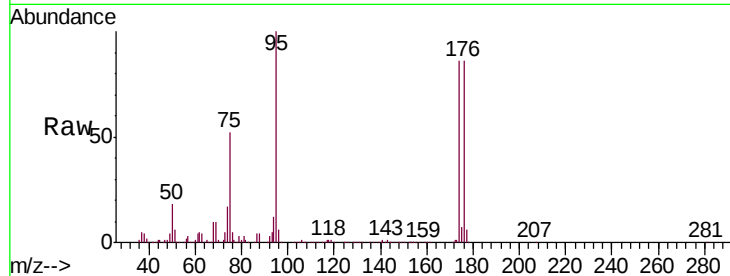
Tgt Ion: 75 Resp: 105730

Ion Ratio Lower Upper

75 100

53 0.3 72.4 108.6#

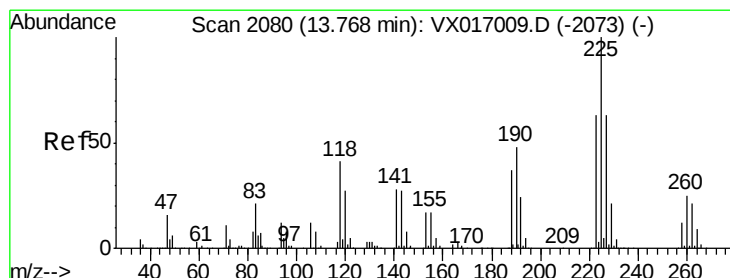
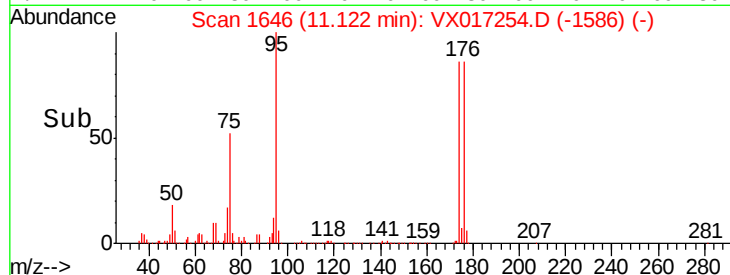
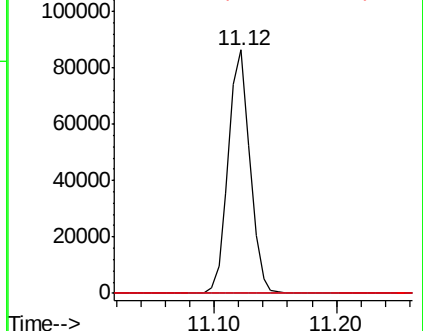
89 0.0 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#94

Hexachlorobutadiene

Concen: 0.961 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX017254.D

Acq: 08 Jul 2020 14:45

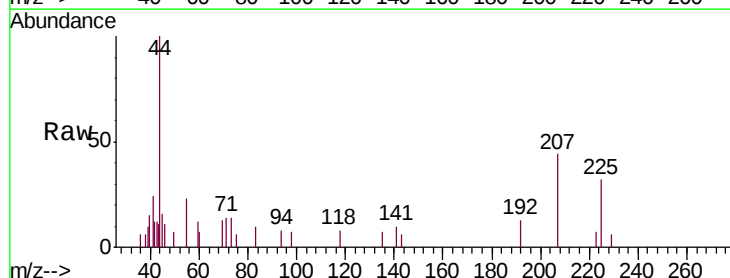
Tgt Ion: 225 Resp: 216

Ion Ratio Lower Upper

225 100

223 81.5 32.5 97.5

227 0.0 33.1 99.2#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

