

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX063020\
 Data File : VX017043.D
 Acq On : 30 Jun 2020 14:31
 Operator : JC/SP
 Sample : L3147-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RB04-20200626

Quant Time: Jul 01 08:05:35 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	231523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	406616	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	420669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	221479	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	153817	53.89	ug/l	0.00
Spiked Amount			Recovery	=	107.78%	
35) Dibromofluoromethane	5.46	113	134271	52.20	ug/l	0.00
Spiked Amount			Recovery	=	104.40%	
50) Toluene-d8	8.70	98	493454	51.88	ug/l	0.00
Spiked Amount			Recovery	=	103.76%	
62) 4-Bromofluorobenzene	11.12	95	206717	55.60	ug/l	0.00
Spiked Amount			Recovery	=	111.20%	

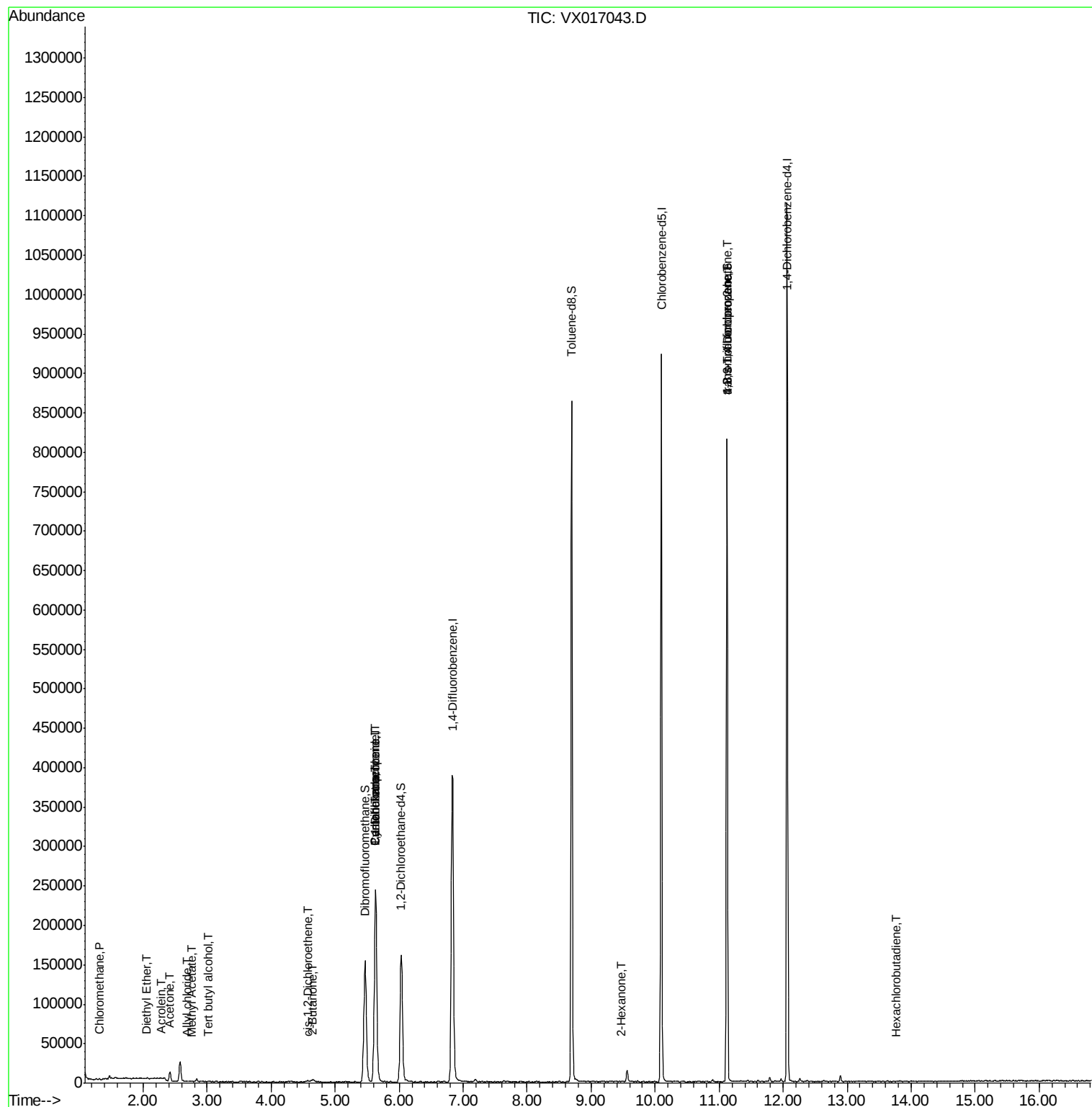
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	832	0.307	ug/l	93
8) Diethyl Ether	2.05	74	38	0.396	ug/l	68
11) Tert butyl alcohol	3.01	59	693	1.273	ug/l #	73
13) Acrolein	2.28	56	555	1.705	ug/l	88
14) Allyl chloride	2.68	41	899	0.212	ug/l #	44
16) Acetone	2.42	43	12176	11.404	ug/l	100
18) Methyl Acetate	2.76	43	815	0.292	ug/l #	80
20) Methylene Chloride	2.84	84	1496	Below Cal	#	83
25) 2-Butanone	4.65	43	3666	2.061	ug/l #	76
27) cis-1,2-Dichloroethene	4.57	96	1143	0.397	ug/l	53
31) Cyclohexane	5.63	56	4787	1.242	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	16474	4.287	ug/l #	53
38) Carbon Tetrachloride	5.63	117	22650	5.351	ug/l #	17
59) 2-Hexanone	9.47	43	700	0.248	ug/l	96
76) 1,2,3-Trichloropropane	11.12	75	102838	23.612	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	102838	61.148	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	339	Below Cal		81
94) Hexachlorobutadiene	13.76	225	22	0.857	ug/l #	17

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

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Quant Time: Jul 01 08:05:35 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: VX017043.D

Acq: 30 Jun 2020 14:31

Instrument :

MSVOA_X

ClientSampleId :

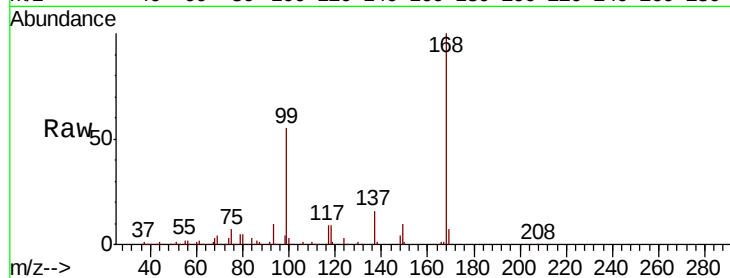
RB04-20200626

Tot Ion:168 Resp: 231523

Ion Ratio Lower Upper

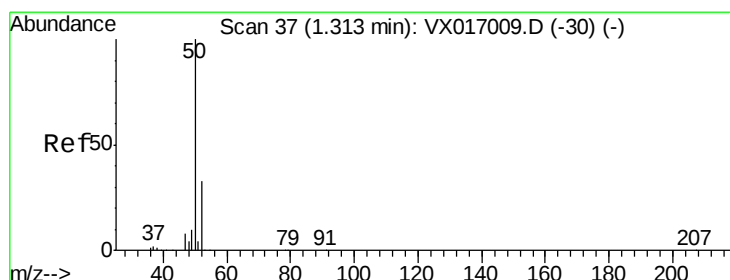
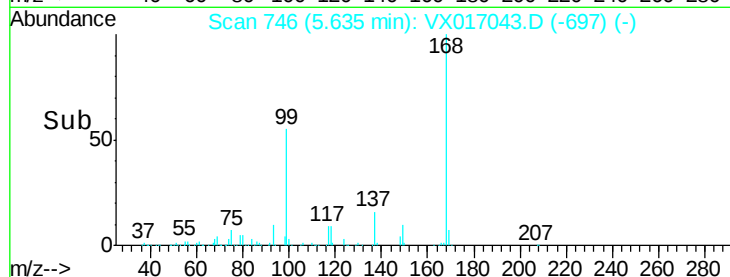
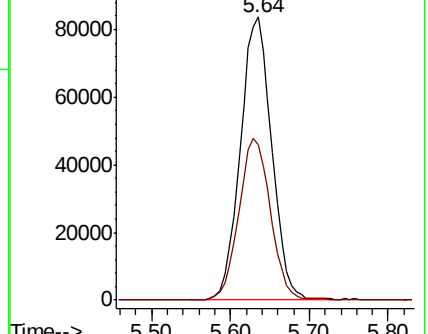
168 100

99 54.8 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.307 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017043.D

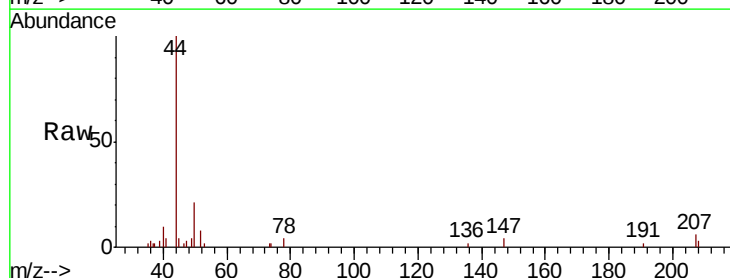
Acq: 30 Jun 2020 14:31

Tgt Ion: 50 Resp: 832

Ion Ratio Lower Upper

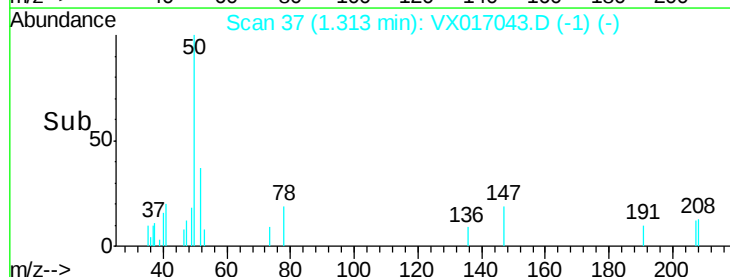
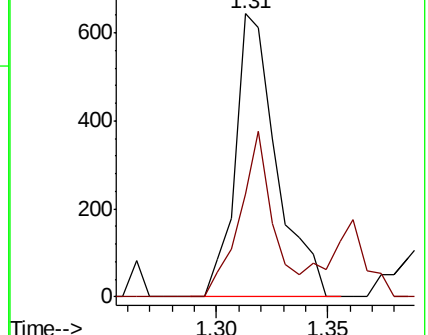
50 100

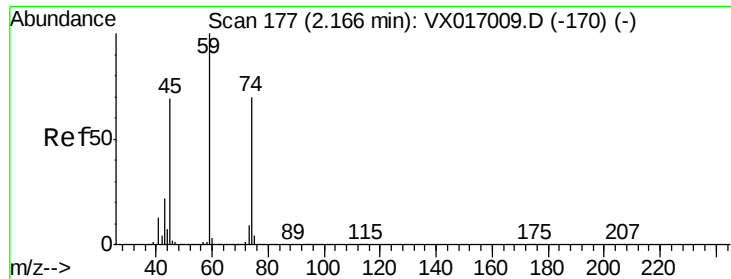
52 36.5 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#8

Diethyl Ether

Concen: 0.396 ug/l

RT: 2.05 min Scan# 158

Delta R.T. -0.12 min

Lab File: VX017043.D

Acq: 30 Jun 2020 14:31

Instrument :

MSVOA_X

ClientSampleId :

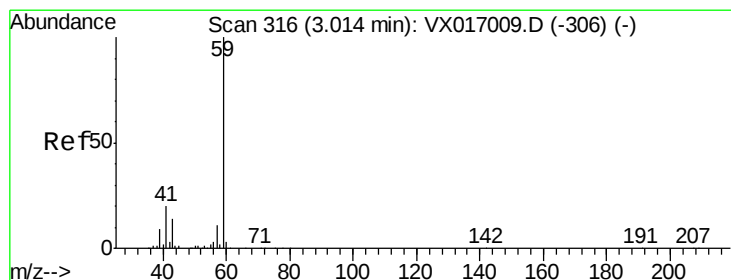
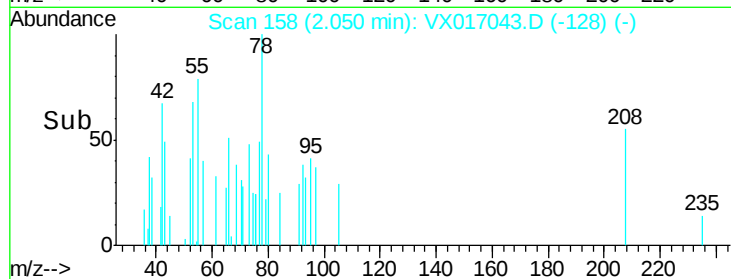
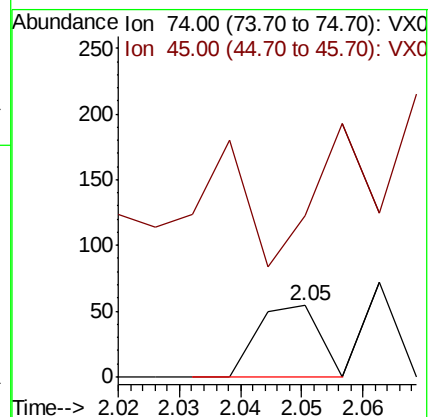
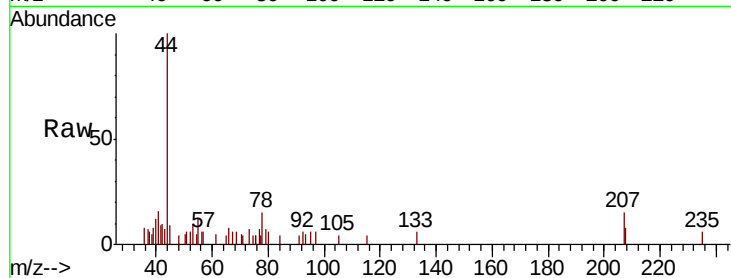
RB04-20200626

Tot Ion: 74 Resp: 38

Ion Ratio Lower Upper

74 100

45 131.6 49.8 149.3



#11

Tert butyl alcohol

Concen: 1.273 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX017043.D

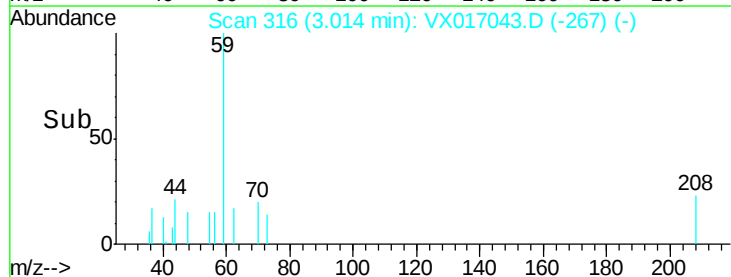
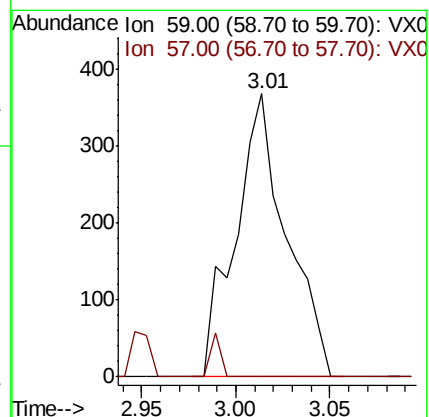
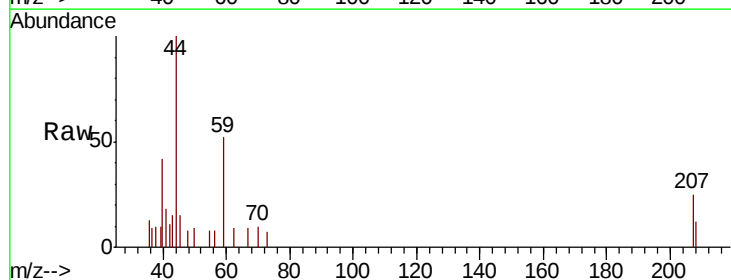
Acq: 30 Jun 2020 14:31

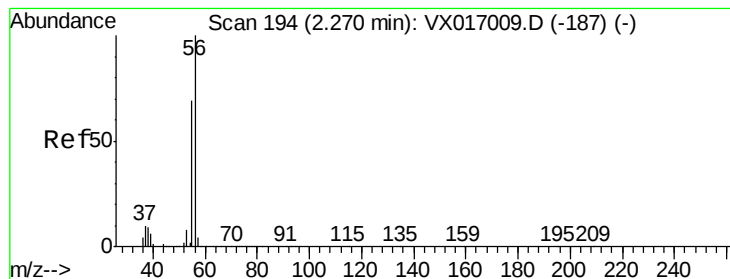
Tgt Ion: 59 Resp: 693

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#





#13

Acrolein

Concen: 1.705 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX017043.D

Acq: 30 Jun 2020 14:31

Instrument :

MSVOA_X

ClientSampleId :

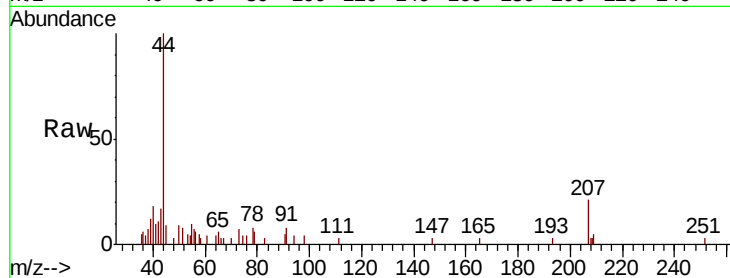
RB04-20200626

Tot Ion: 56 Resp: 555

Ion Ratio Lower Upper

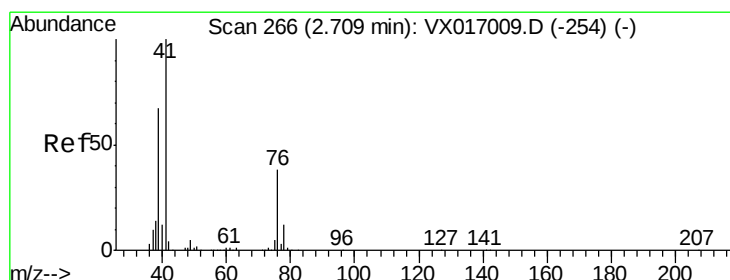
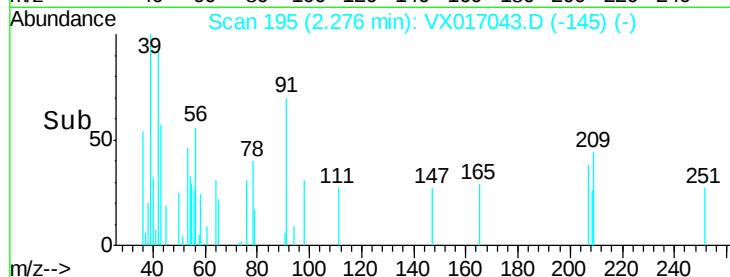
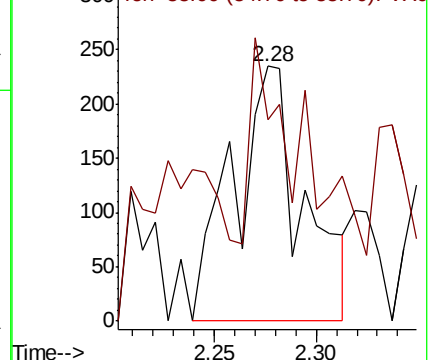
56 100

55 79.3 55.7 83.5



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 0.212 ug/l

RT: 2.68 min Scan# 262

Delta R.T. -0.02 min

Lab File: VX017043.D

Acq: 30 Jun 2020 14:31

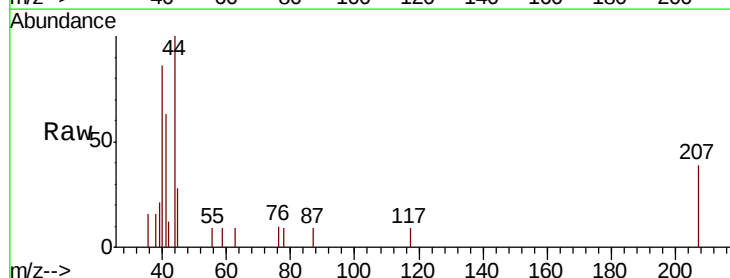
Tgt Ion: 41 Resp: 899

Ion Ratio Lower Upper

41 100

39 17.5 49.4 74.2#

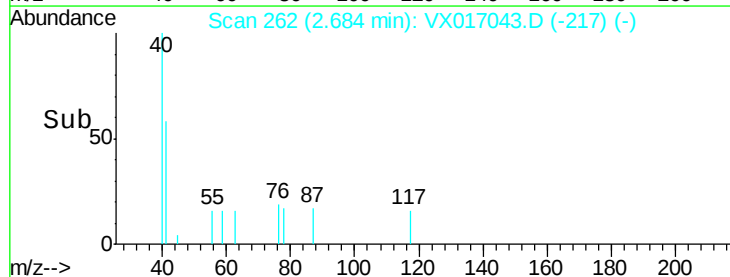
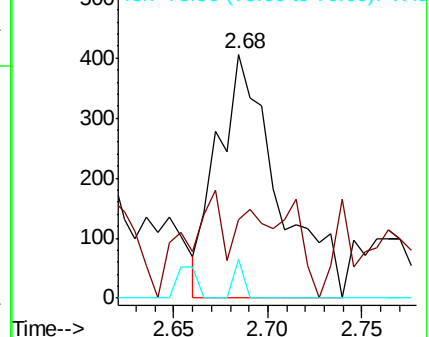
76 2.7 26.8 40.2#

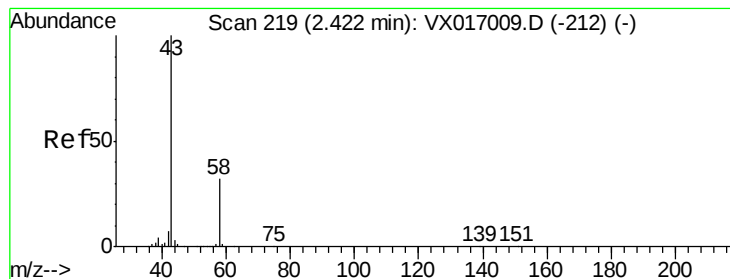


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#16

Acetone

Concen: 11.404 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017043.D

Acq: 30 Jun 2020 14:31

Instrument :

MSVOA_X

ClientSampleId :

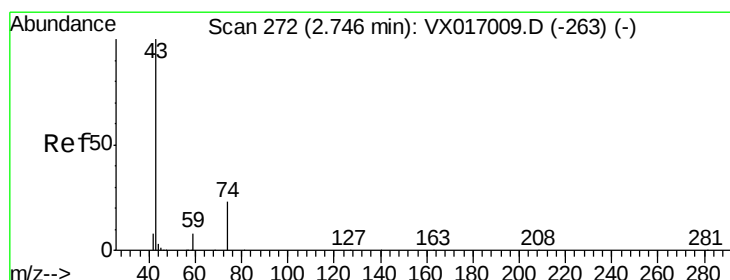
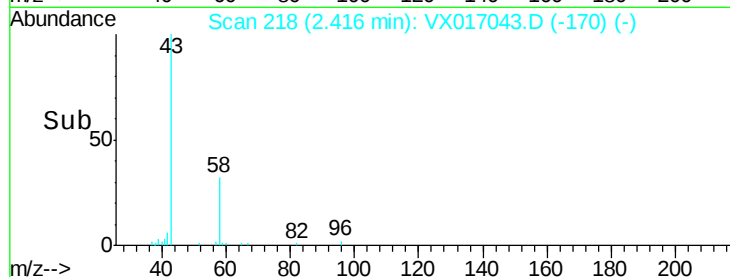
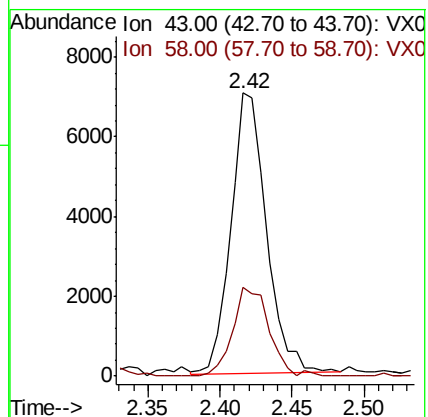
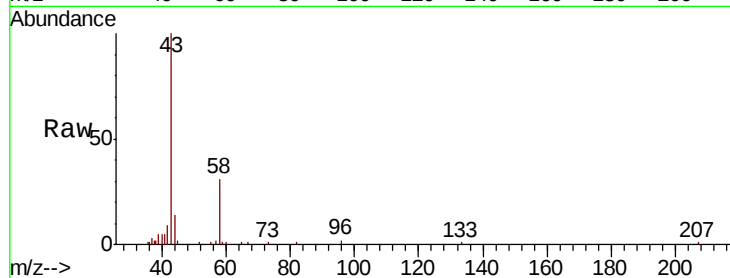
RB04-20200626

Tot Ion: 43 Resp: 12176

Ion Ratio Lower Upper

43 100

58 31.9 25.7 38.5



#18

Methyl Acetate

Concen: 0.292 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX017043.D

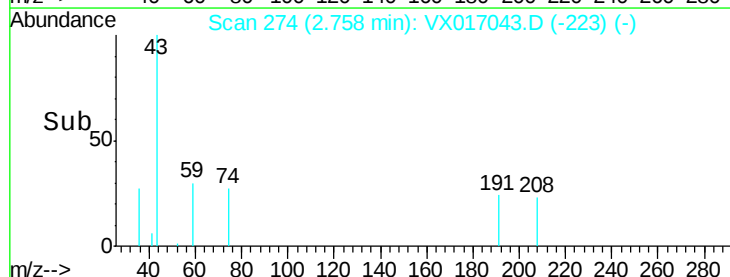
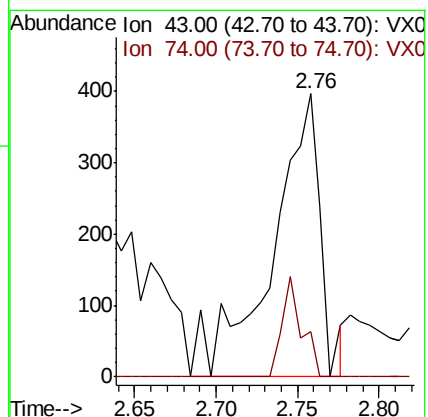
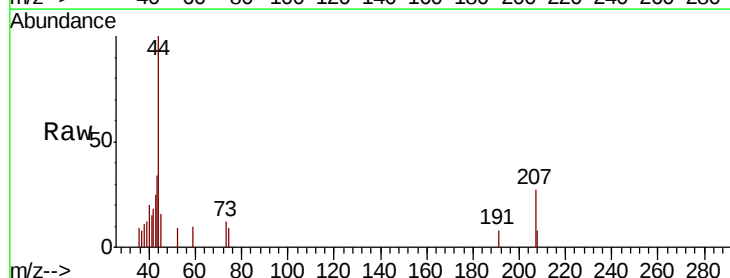
Acq: 30 Jun 2020 14:31

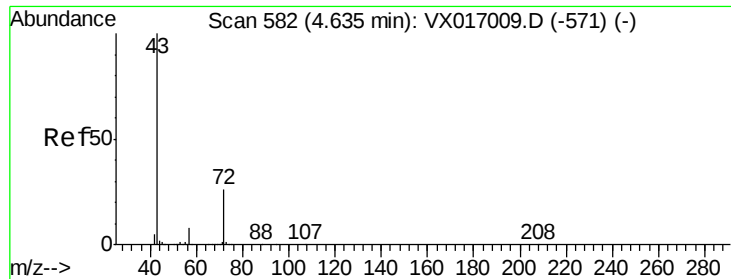
Tgt Ion: 43 Resp: 815

Ion Ratio Lower Upper

43 100

74 14.2 19.3 28.9#





#25

2-Butanone

Concen: 2.061 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017043.D

Acq: 30 Jun 2020 14:31

Instrument :

MSVOA_X

ClientSampleId :

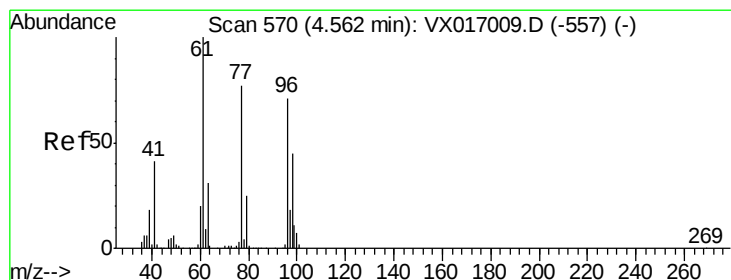
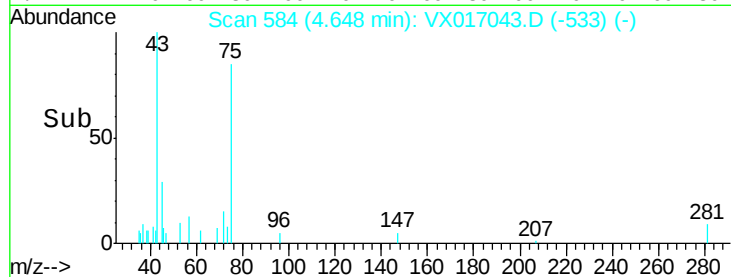
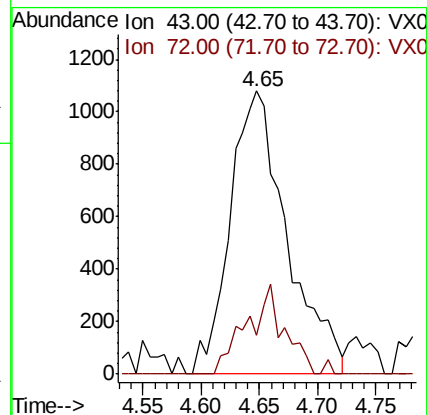
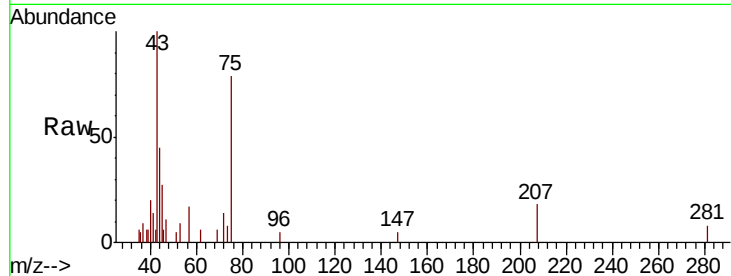
RB04-20200626

Tot Ion: 43 Resp: 3666

Ion Ratio Lower Upper

43 100

72 13.8 20.8 31.2#



#27

cis-1,2-Dichloroethene

Concen: 0.397 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX017043.D

Acq: 30 Jun 2020 14:31

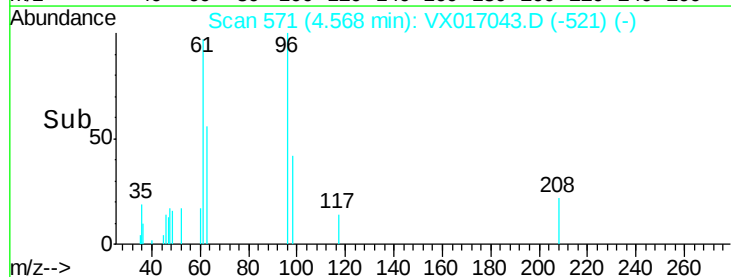
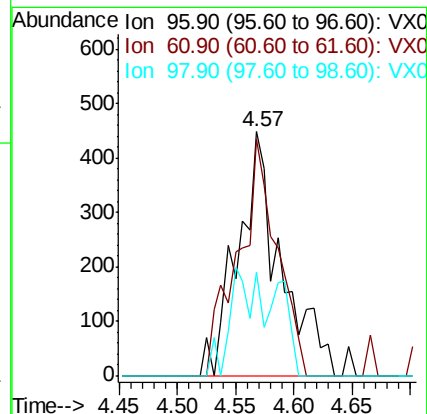
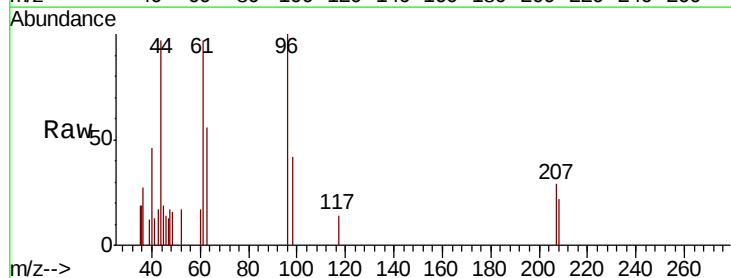
Tgt Ion: 96 Resp: 1143

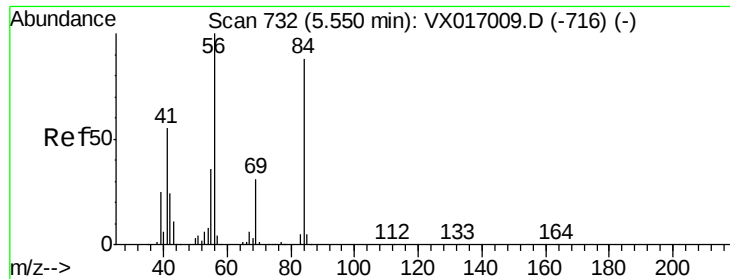
Ion Ratio Lower Upper

96 100

61 88.8 0.0 282.8

98 20.1 0.0 127.6

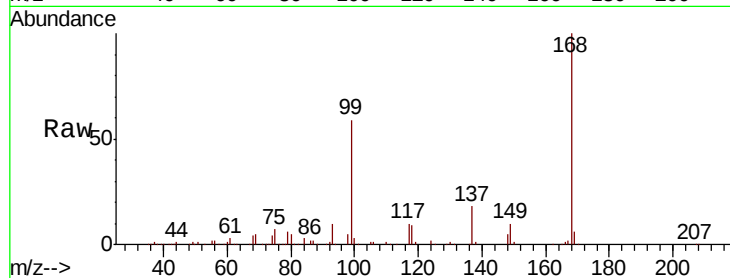




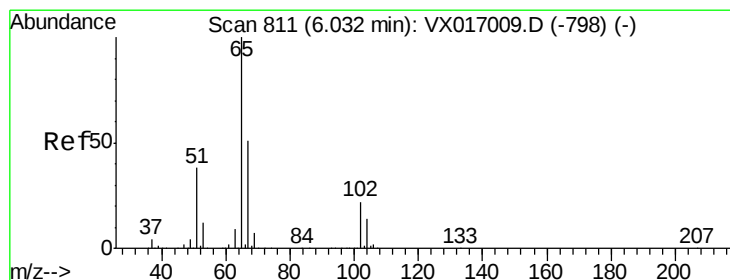
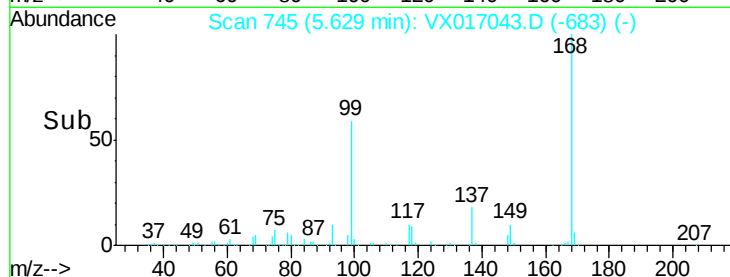
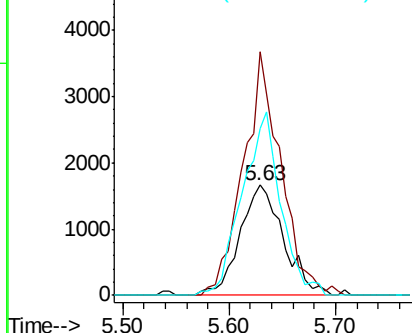
#31
Cyclohexane
Concen: 1.242 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017043.D
Acq: 30 Jun 2020 14:31

Instrument :
MSVOA_X
ClientSampleId :
RB04-20200626

Tot Ion: 56 Resp: 4787
Ion Ratio Lower Upper
56 100
69 221.6 25.0 37.4#
84 151.6 69.1 103.7#

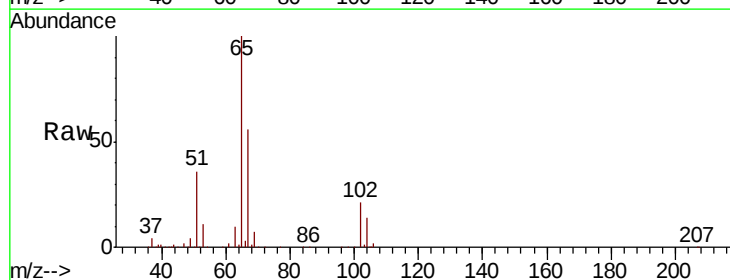


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

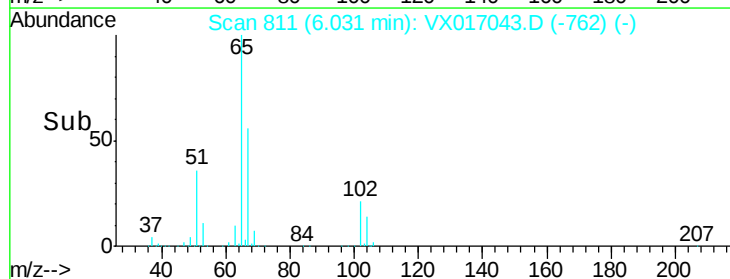
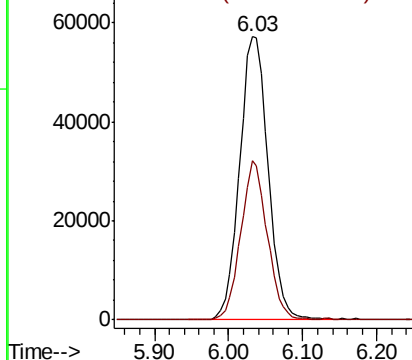


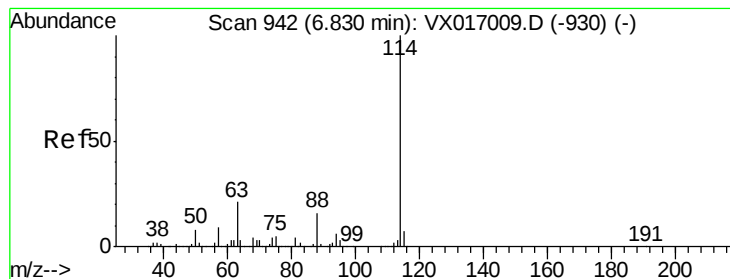
#33
1,2-Dichloroethane-d4
Concen: 53.891 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017043.D
Acq: 30 Jun 2020 14:31

Tgt Ion: 65 Resp: 153817
Ion Ratio Lower Upper
65 100
67 52.3 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: VX017043.D

Acq: 30 Jun 2020 14:31

Instrument :

MSVOA_X

ClientSampleId :

RB04-20200626

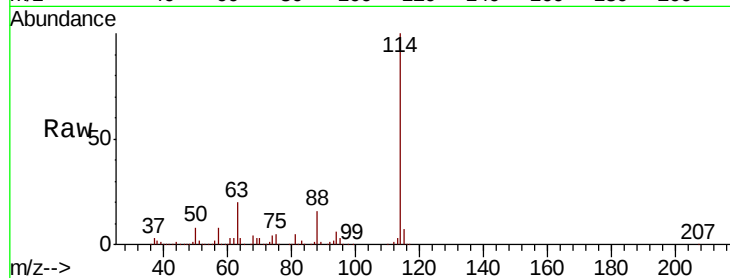
Tot Ion:114 Resp: 406616

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.4

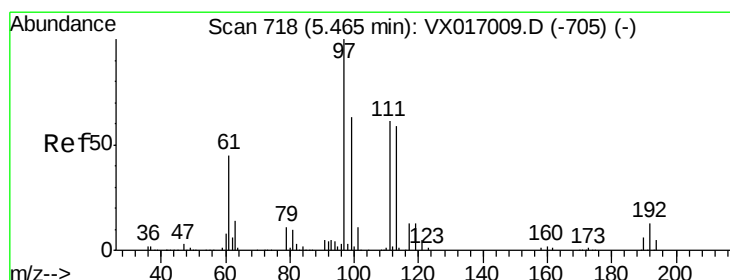
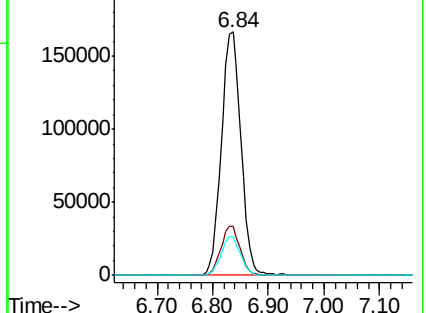
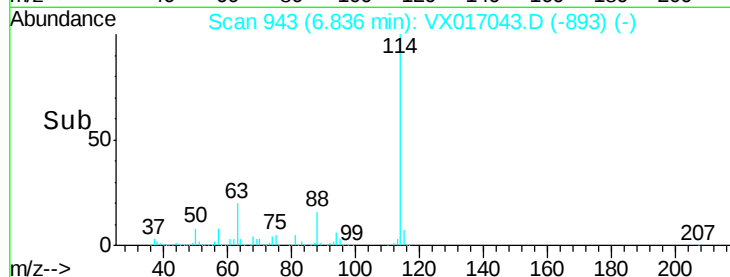
88 15.9 0.0 32.4



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: 52.202 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017043.D

Acq: 30 Jun 2020 14:31

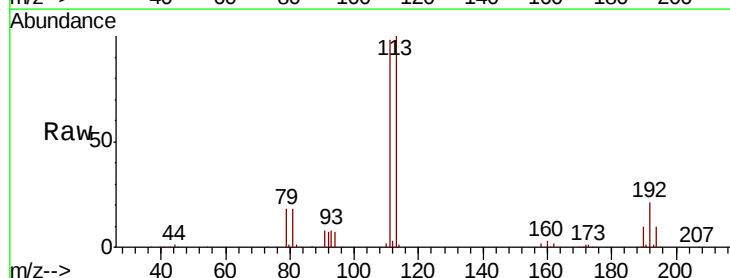
Tgt Ion:113 Resp: 134271

Ion Ratio Lower Upper

113 100

111 101.7 81.9 122.9

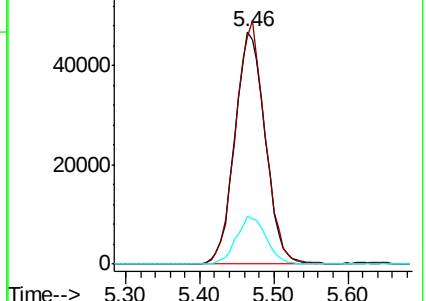
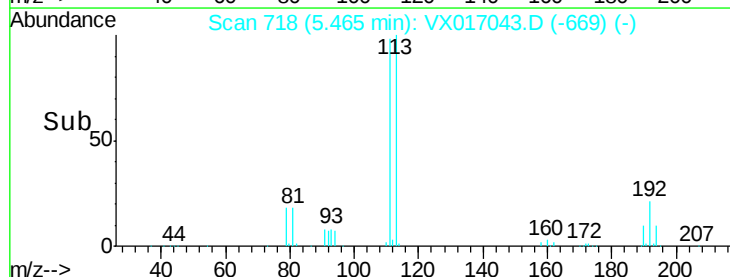
192 20.2 16.7 25.1

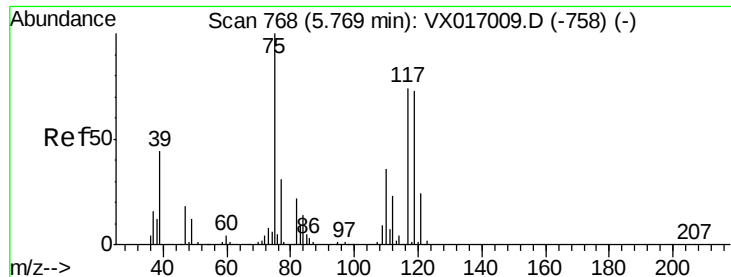


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

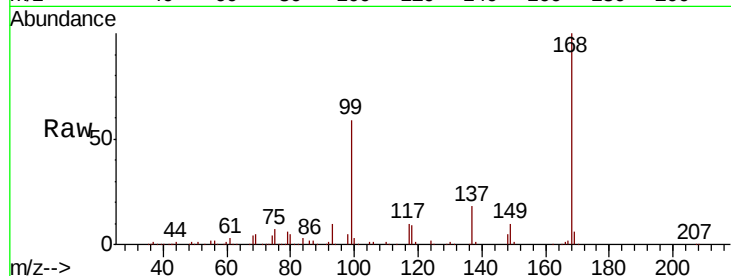




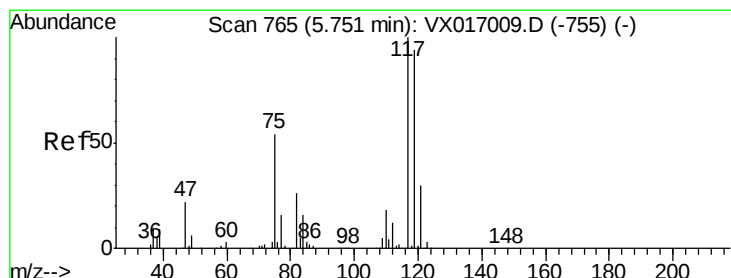
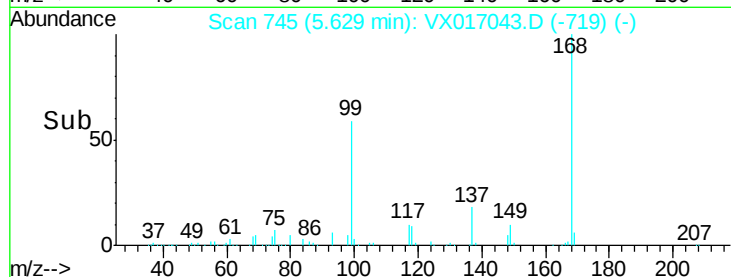
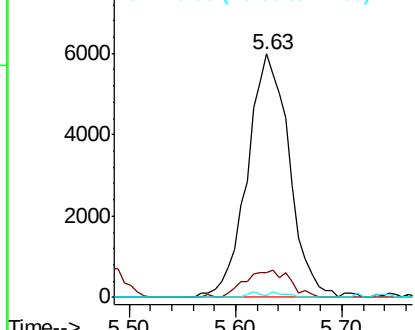
#36
 1,1-Dichloropropene
 Concen: 4.287 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017043.D
 Acq: 30 Jun 2020 14:31

Instrument :
 MSVOA_X
 ClientSampleId :
 RB04-20200626

Tot Ion: 75 Resp: 16474
 Ion Ratio Lower Upper
 75 100
 110 12.0 18.1 54.1#
 77 0.8 24.6 37.0#

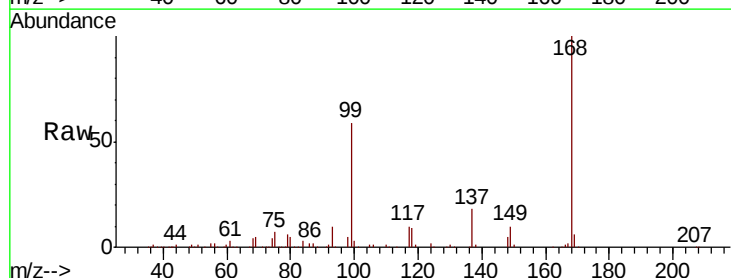


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

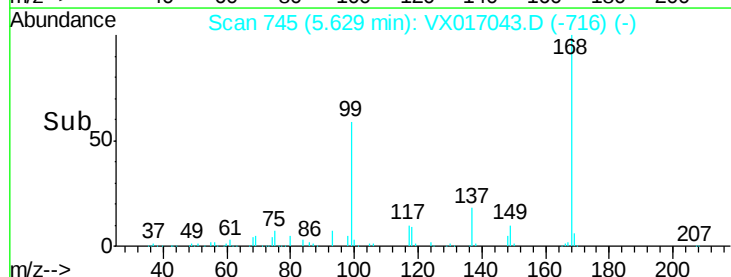
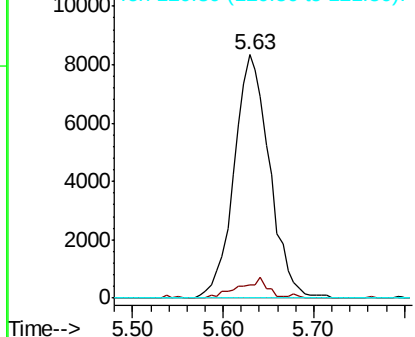


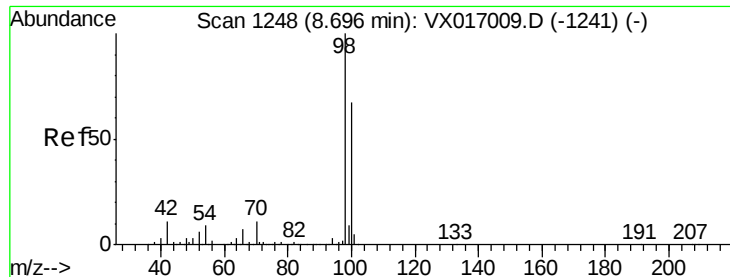
#38
 Carbon Tetrachloride
 Concen: 5.351 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX017043.D
 Acq: 30 Jun 2020 14:31

Tgt Ion:117 Resp: 22650
 Ion Ratio Lower Upper
 117 100
 119 5.5 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





#50

Toluene-d8

Concen: 51.881 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017043.D

Acq: 30 Jun 2020 14:31

Instrument :

MSVOA_X

ClientSampleId :

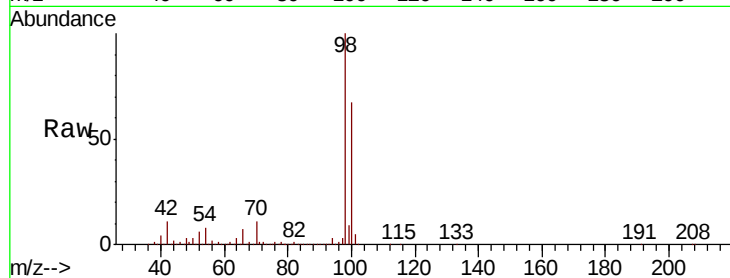
RB04-20200626

Tot Ion: 98 Resp: 493454

Ion Ratio Lower Upper

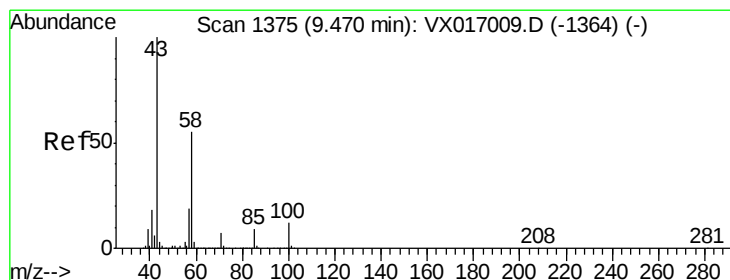
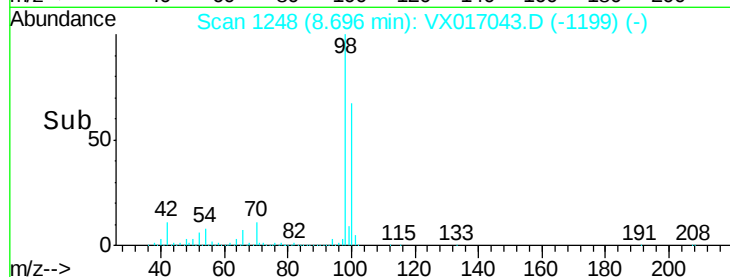
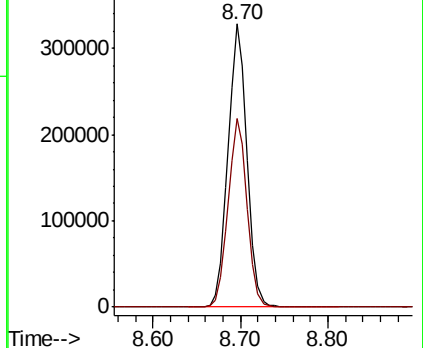
98 100

100 66.6 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#59

2-Hexanone

Concen: 0.248 ug/l

RT: 9.47 min Scan# 1375

Delta R.T. -0.00 min

Lab File: VX017043.D

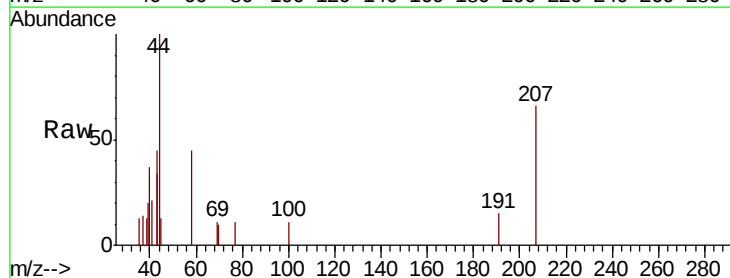
Acq: 30 Jun 2020 14:31

Tgt Ion: 43 Resp: 700

Ion Ratio Lower Upper

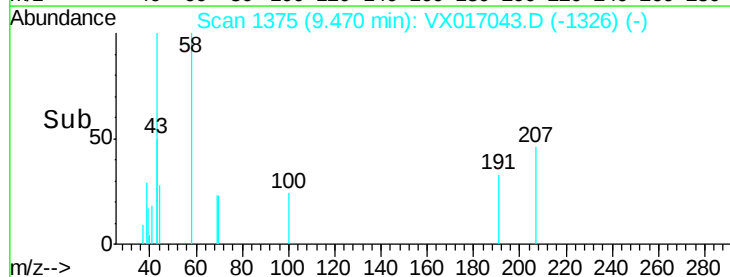
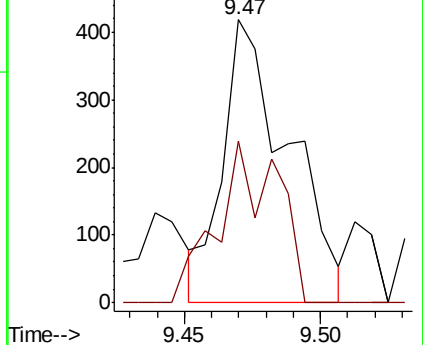
43 100

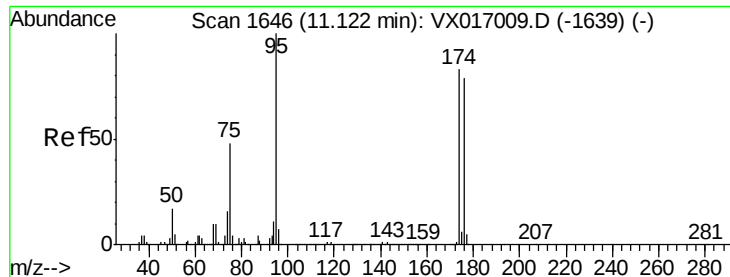
58 52.4 27.9 83.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 55.598 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017043.D

Acq: 30 Jun 2020 14:31

Instrument :

MSVOA_X

ClientSampleId :

RB04-20200626

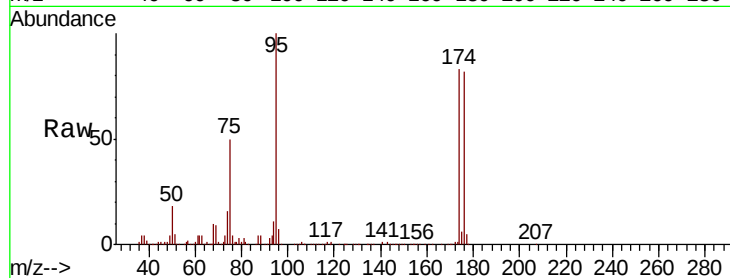
Tot Ion: 95 Resp: 206717

Ion Ratio Lower Upper

95 100

174 81.7 0.0 164.0

176 79.9 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

11.12

200000

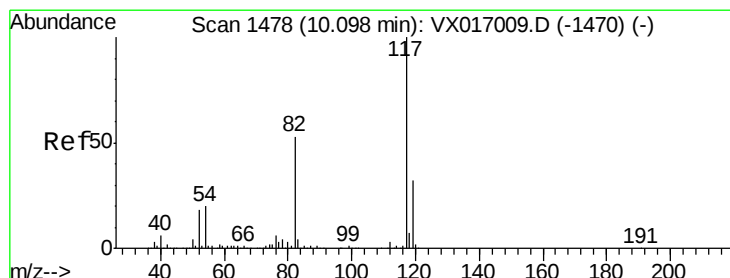
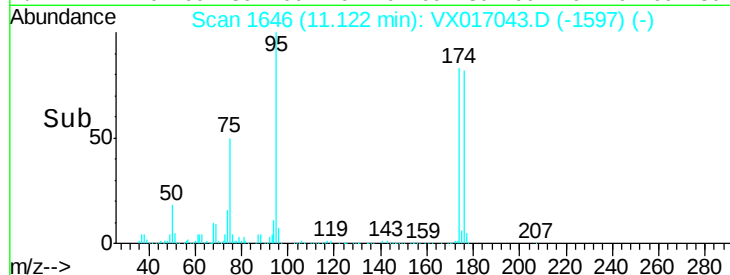
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017043.D

Acq: 30 Jun 2020 14:31

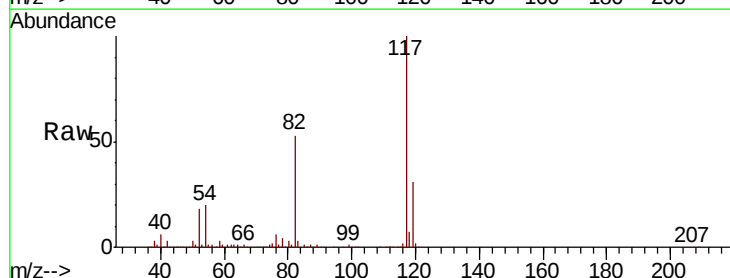
Tgt Ion: 117 Resp: 420669

Ion Ratio Lower Upper

117 100

82 52.6 42.6 63.8

119 31.2 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

10.10

400000

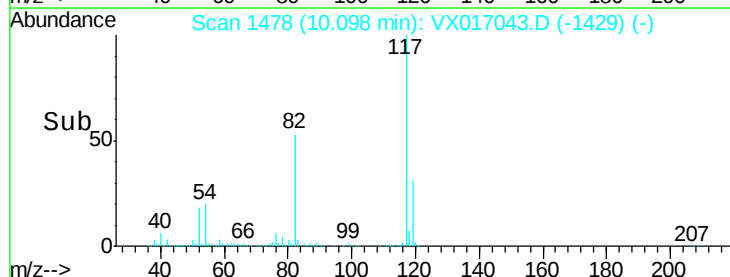
300000

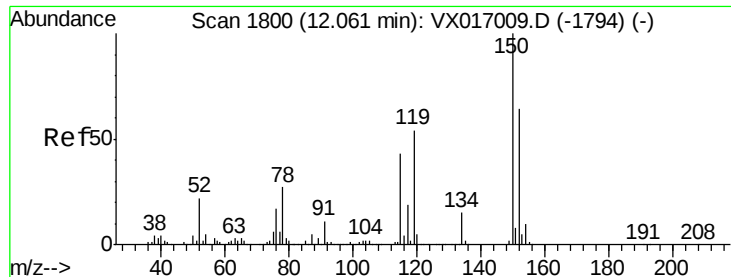
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017043.D

Acq: 30 Jun 2020 14:31

Instrument :

MSVOA_X

ClientSampleId :

RB04-20200626

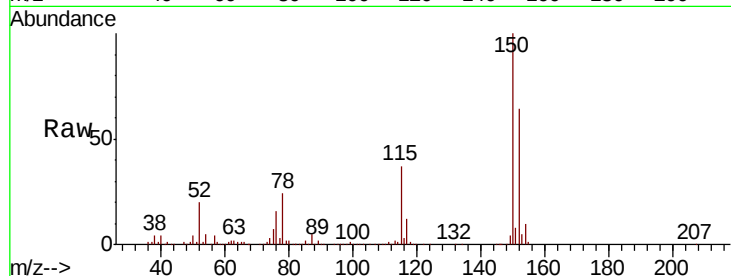
Tot Ion:152 Resp: 221479

Ion Ratio Lower Upper

152 100

115 57.5 40.9 122.7

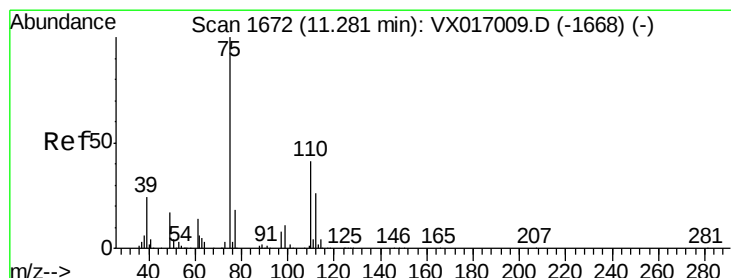
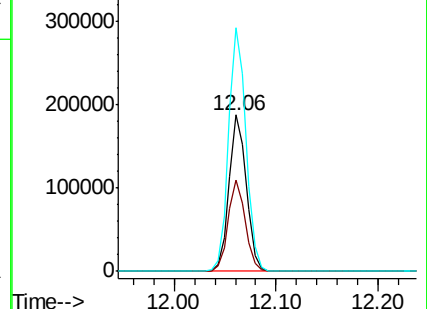
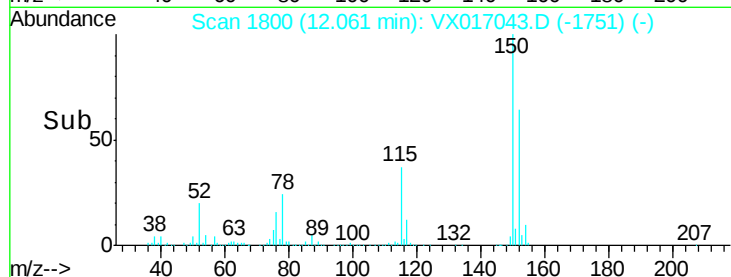
150 156.1 0.0 351.6



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: 23.612 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017043.D

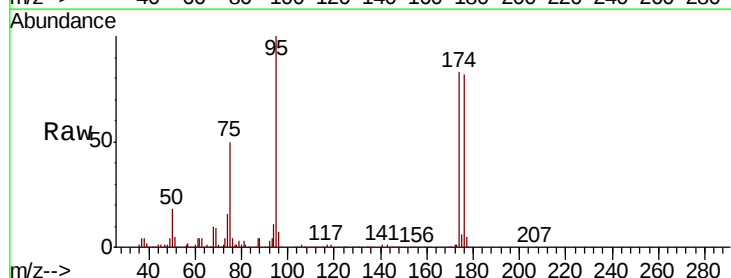
Acq: 30 Jun 2020 14:31

Tgt Ion: 75 Resp: 102838

Ion Ratio Lower Upper

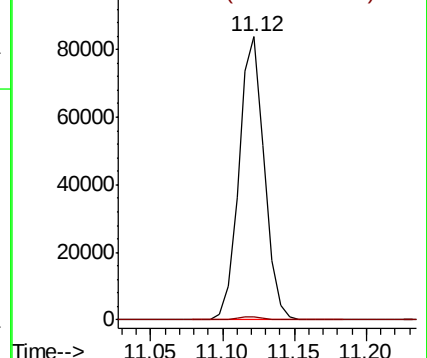
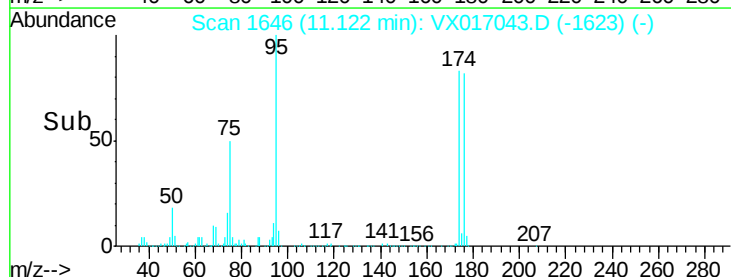
75 100

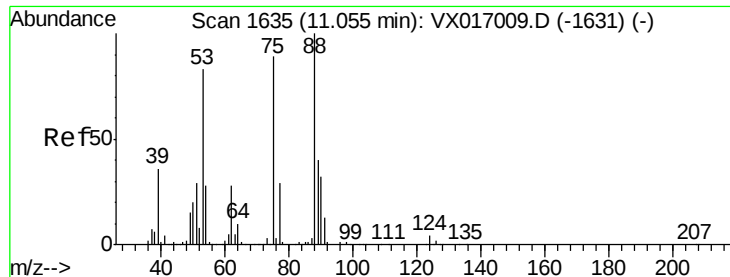
77 1.3 20.2 60.6#



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: 61.148 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017043.D

Acq: 30 Jun 2020 14:31

Instrument :

MSVOA_X

ClientSampleId :

RB04-20200626

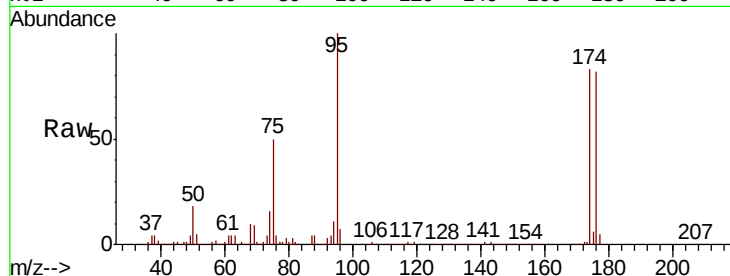
Tot Ion: 75 Resp: 102838

Ion Ratio Lower Upper

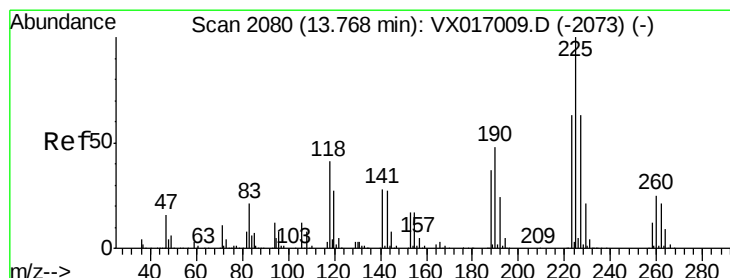
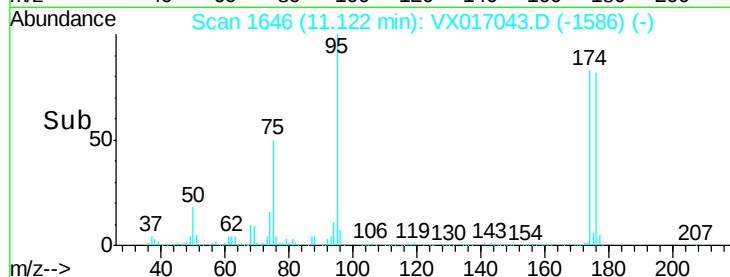
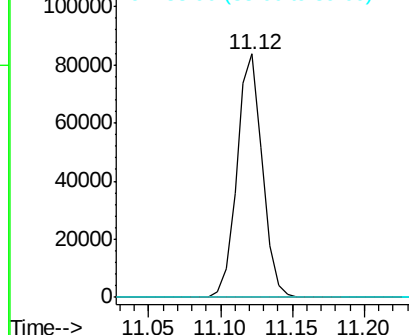
75 100

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: 0.857 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX017043.D

Acq: 30 Jun 2020 14:31

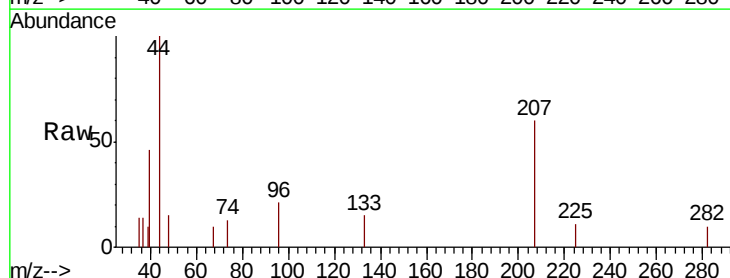
Tgt Ion: 225 Resp: 22

Ion Ratio Lower Upper

225 100

223 0.0 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

