

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070120\
 Data File : VX017124.D
 Acq On : 02 Jul 2020 01:52
 Operator : JC/SP
 Sample : L3159-11 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30BR-20200629

Quant Time: Jul 02 04:21:48 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

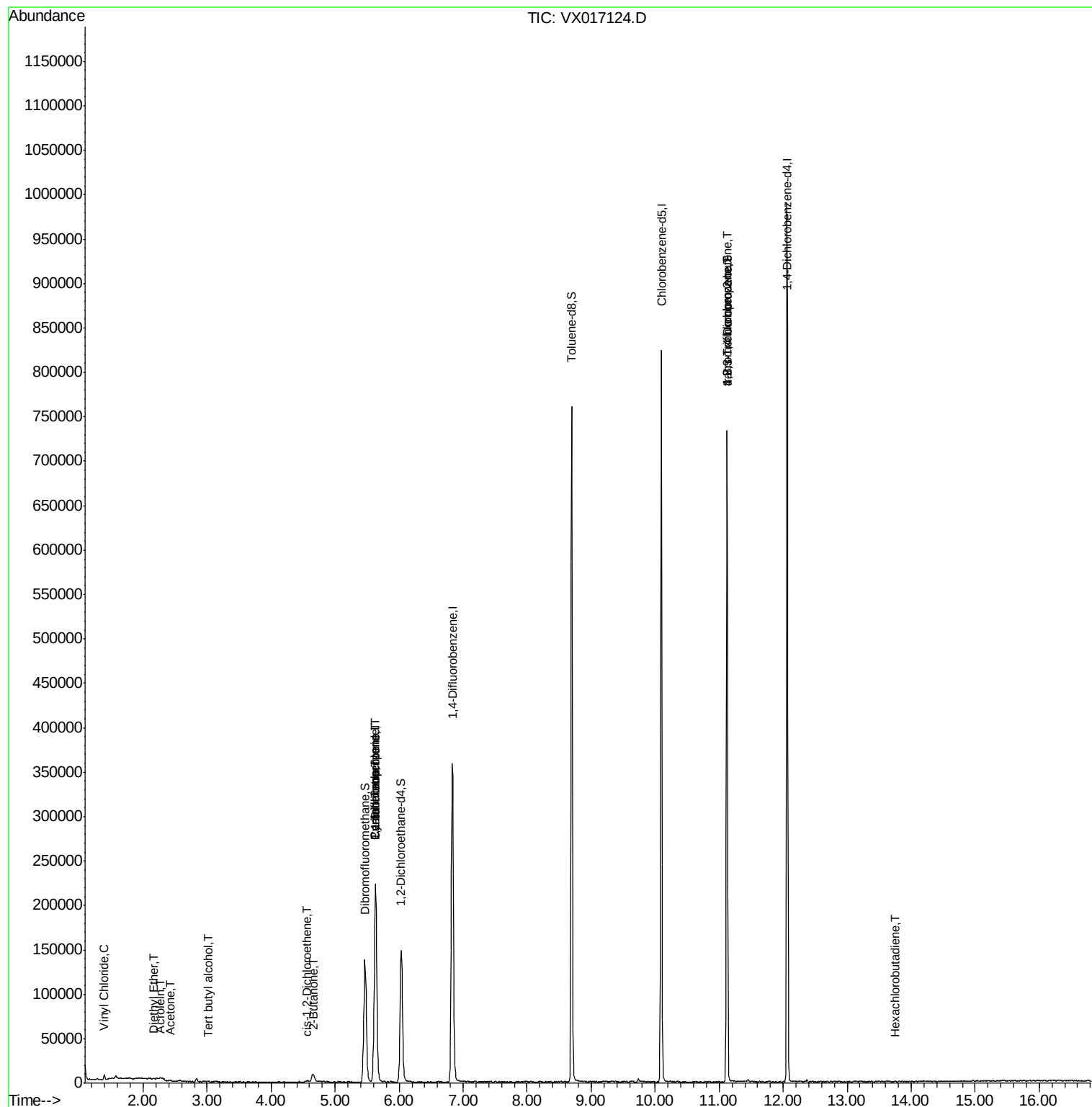
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	214212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	362207	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	375503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	201229	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	141297	53.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.02%	
35) Dibromofluoromethane	5.46	113	120868	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
50) Toluene-d8	8.70	98	441520	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
62) 4-Bromofluorobenzene	11.12	95	186292	56.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.50%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.39	62	2944	1.265	ug/l	99
8) Diethyl Ether	2.17	74	331	0.649	ug/l	71
11) Tert butyl alcohol	3.01	59	339	0.673	ug/l #	91
13) Acrolein	2.27	56	268	0.890	ug/l #	46
16) Acetone	2.42	43	1628	1.648	ug/l	91
20) Methylene Chloride	2.84	84	1422	Below Cal		90
25) 2-Butanone	4.65	43	600	0.364	ug/l #	49
27) cis-1,2-Dichloroethene	4.56	96	855	0.321	ug/l	98
31) Cyclohexane	5.63	56	4217	1.183	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	16104	4.704	ug/l #	46
38) Carbon Tetrachloride	5.63	117	21126	5.603	ug/l #	18
44) Trichloroethene	7.19	130	226	Below Cal		96
76) 1,2,3-Trichloropropane	11.12	75	91262	23.063	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	91262	59.725	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	292	Below Cal		96
94) Hexachlorobutadiene	13.76	225	35	0.866	ug/l #	40

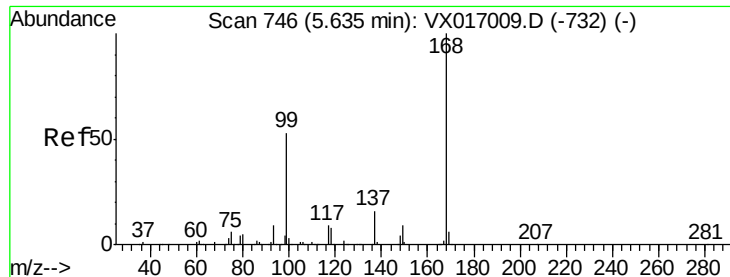
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017124.D

Acq: 02 Jul 2020 01:52

Instrument :

MSVOA_X

ClientSampleId :

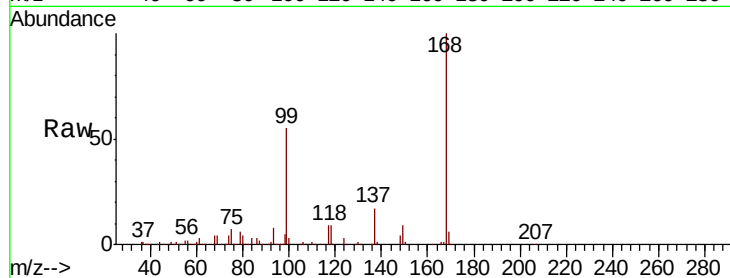
30BR-20200629

Tot Ion:168 Resp: 214212

Ion Ratio Lower Upper

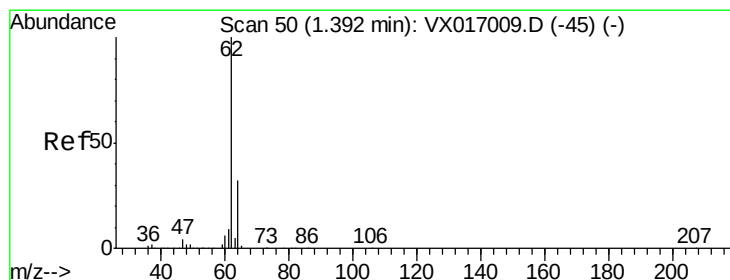
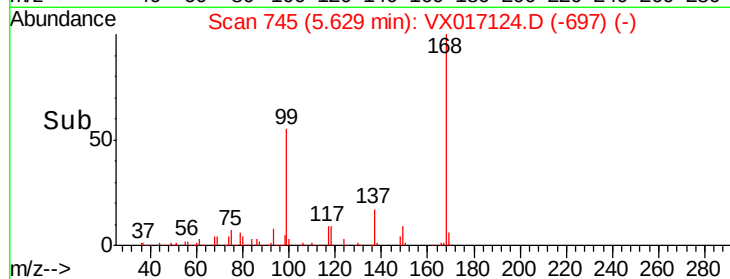
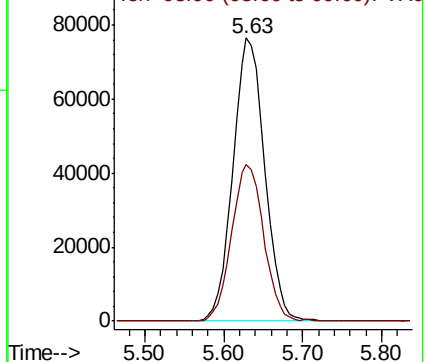
168 100

99 55.3 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 1.265 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017124.D

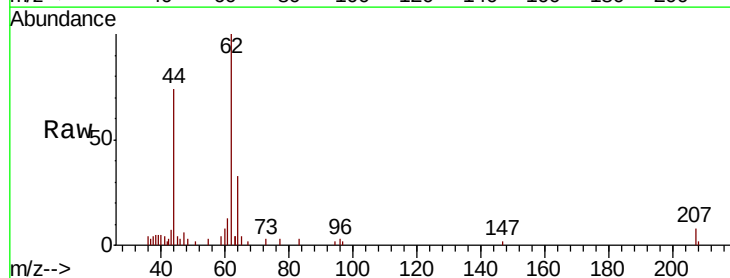
Acq: 02 Jul 2020 01:52

Tgt Ion: 62 Resp: 2944

Ion Ratio Lower Upper

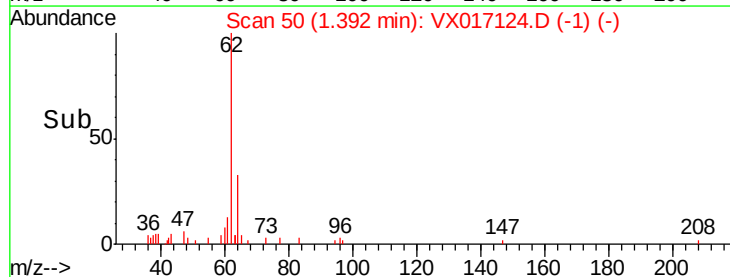
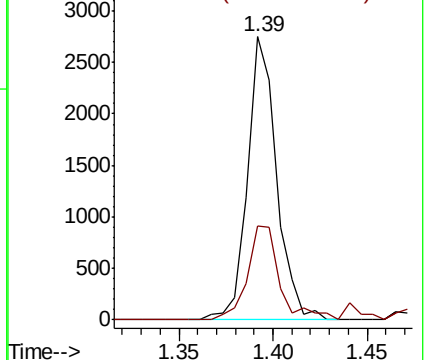
62 100

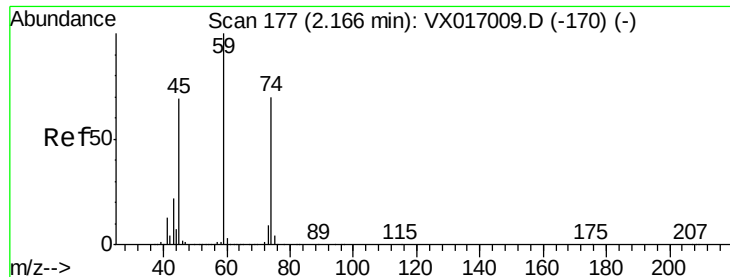
64 33.1 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#8

Diethyl Ether

Concen: 0.649 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017124.D

Acq: 02 Jul 2020 01:52

Instrument :

MSVOA_X

ClientSampleId :

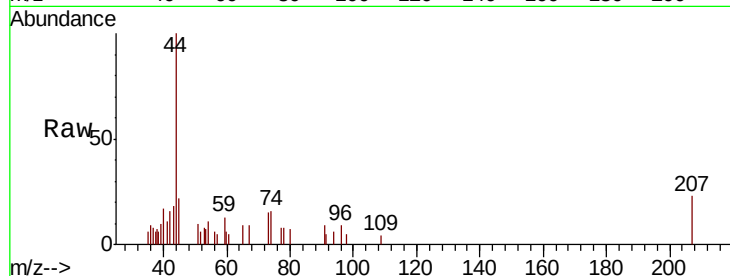
30BR-20200629

Tot Ion: 74 Resp: 331

Ion Ratio Lower Upper

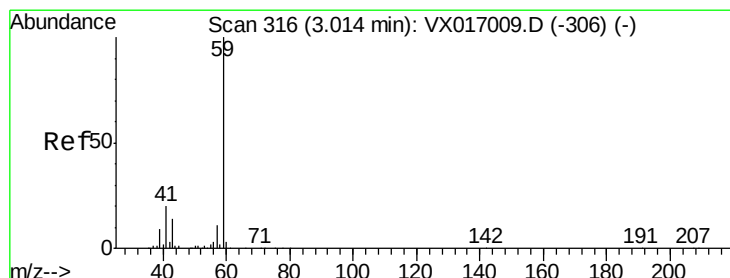
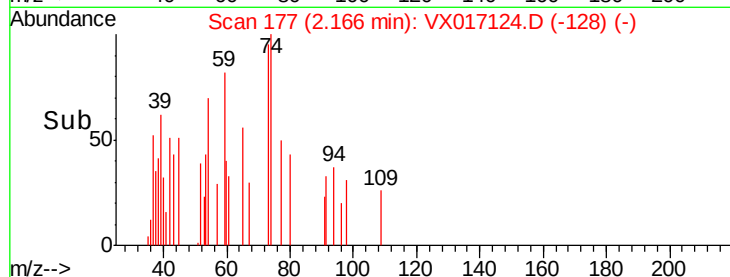
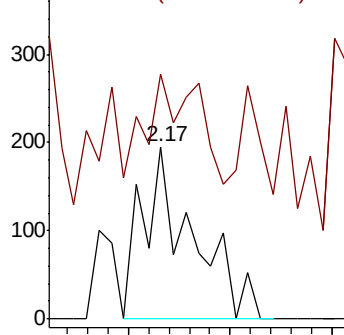
74 100

45 70.4 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 0.673 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX017124.D

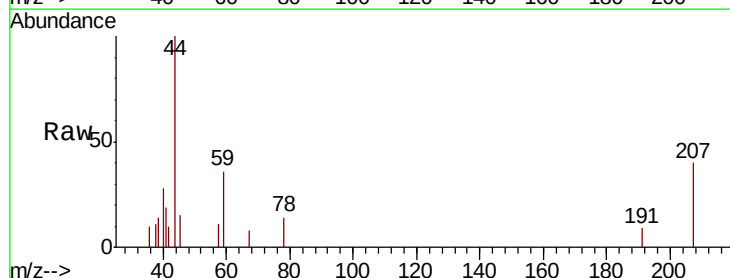
Acq: 02 Jul 2020 01:52

Tgt Ion: 59 Resp: 339

Ion Ratio Lower Upper

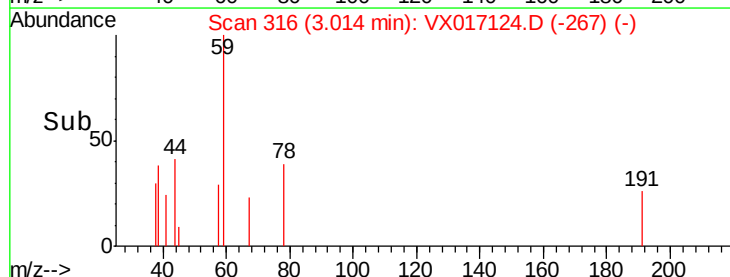
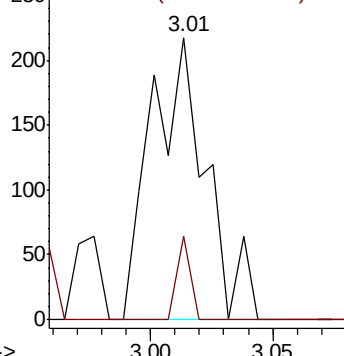
59 100

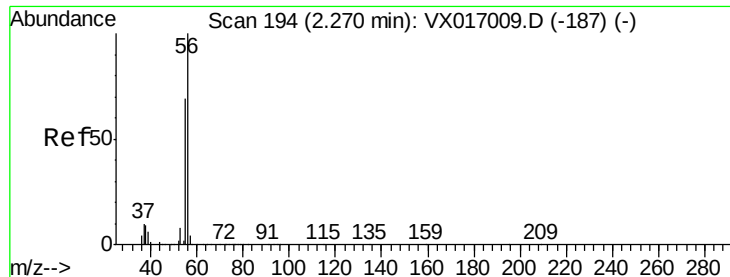
57 6.8 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

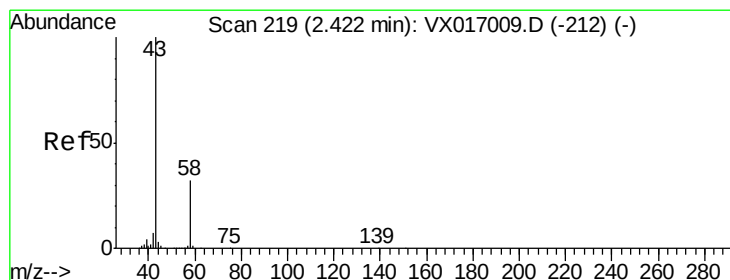
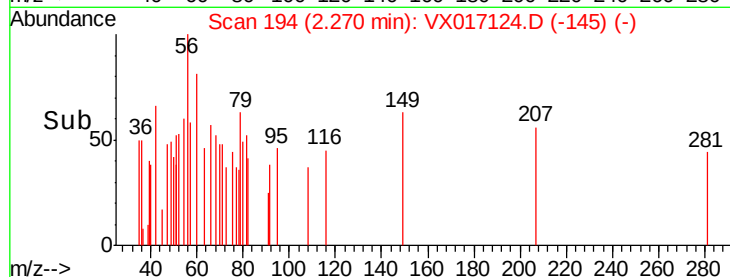
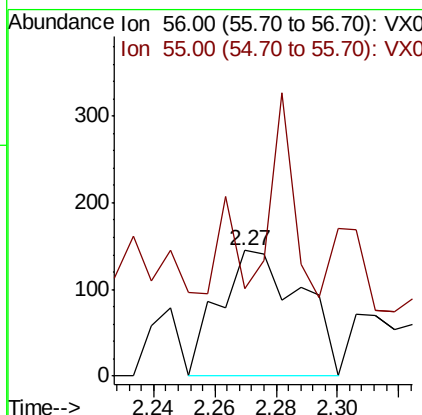
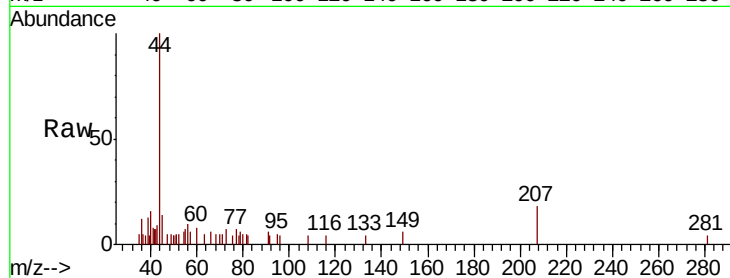




#13
Acrolein
Concen: 0.890 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX017124.D
Acq: 02 Jul 2020 01:52

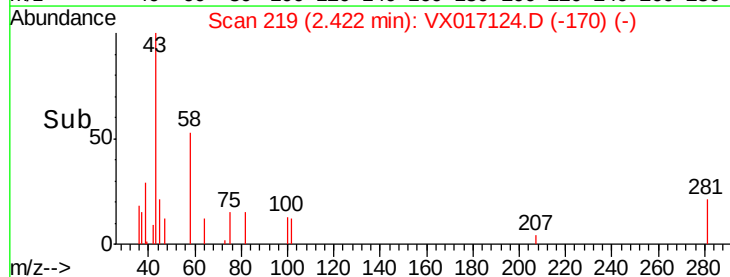
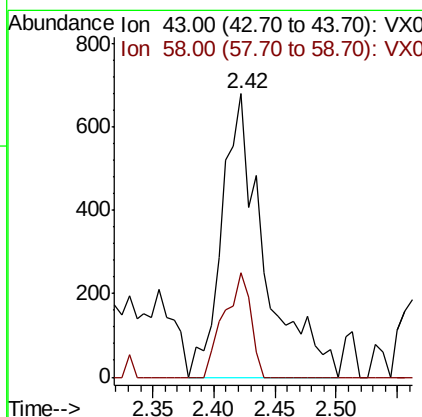
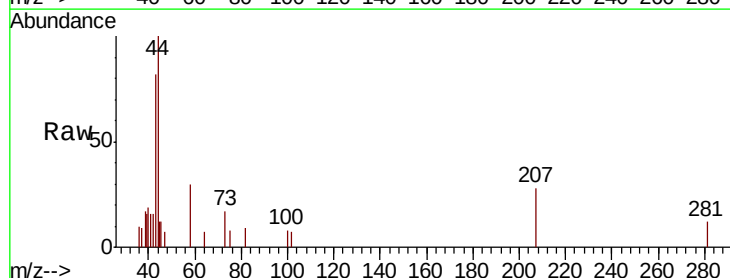
Instrument :
MSVOA_X
ClientSampleId :
30BR-20200629

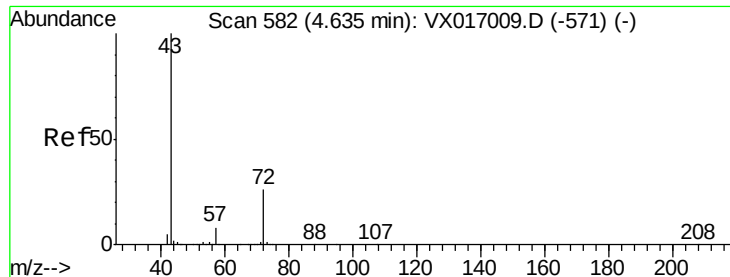
Tot Ion: 56 Resp: 268
Ion Ratio Lower Upper
56 100
55 114.2 55.7 83.5#



#16
Acetone
Concen: 1.648 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX017124.D
Acq: 02 Jul 2020 01:52

Tgt Ion: 43 Resp: 1628
Ion Ratio Lower Upper
43 100
58 37.0 25.7 38.5





#25

2-Butanone

Concen: 0.364 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017124.D

Acq: 02 Jul 2020 01:52

Instrument :

MSVOA_X

ClientSampleId :

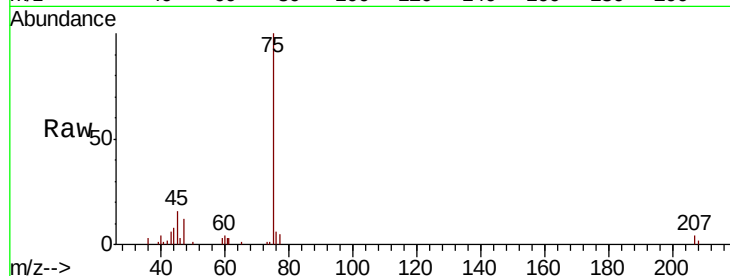
30BR-20200629

Tot Ion: 43 Resp: 600

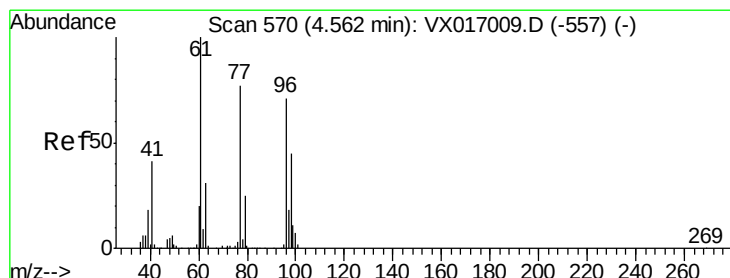
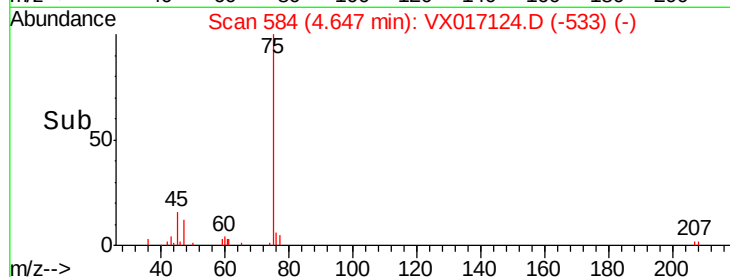
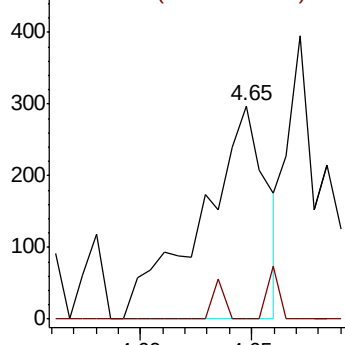
Ion Ratio Lower Upper

43 100

72 0.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.321 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX017124.D

Acq: 02 Jul 2020 01:52

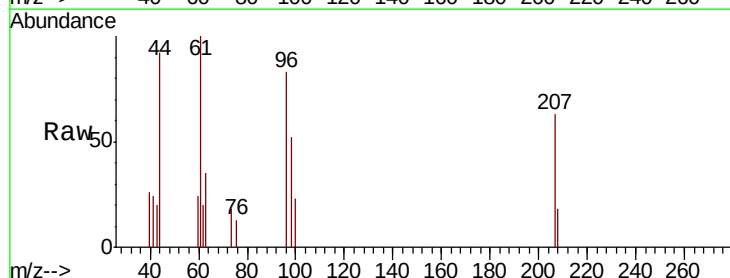
Tgt Ion: 96 Resp: 855

Ion Ratio Lower Upper

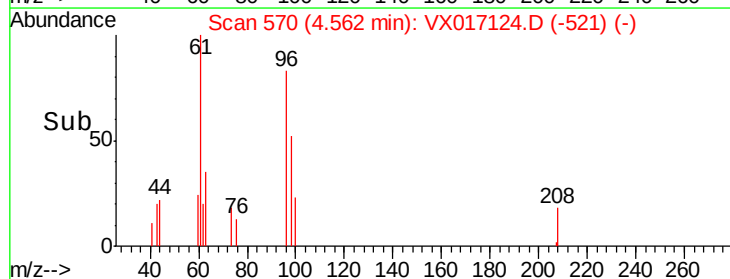
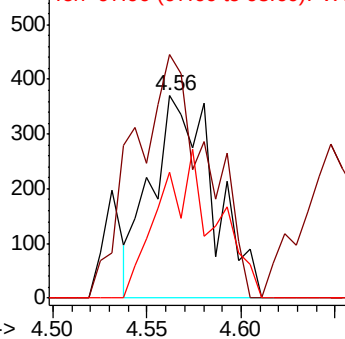
96 100

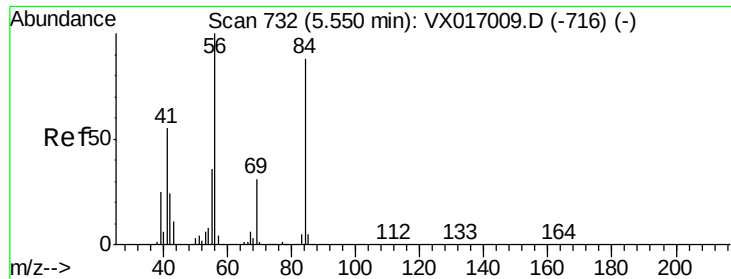
61 140.1 0.0 282.8

98 66.0 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

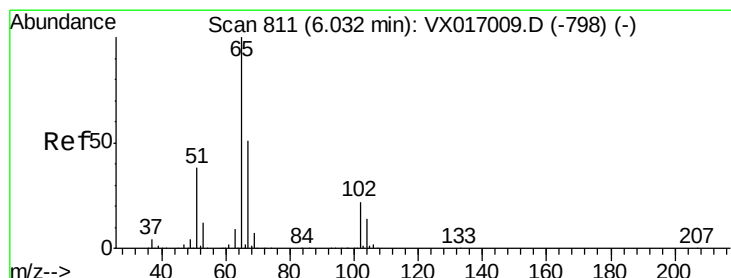
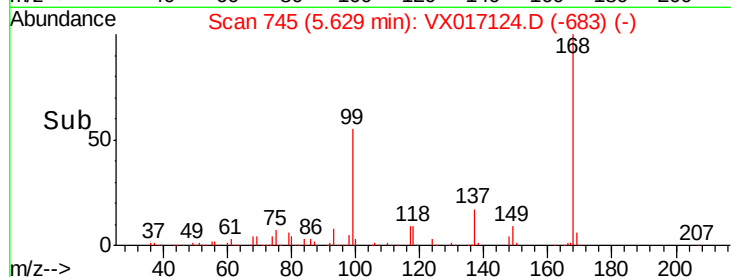
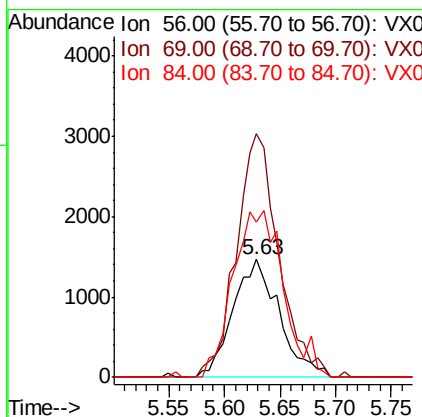
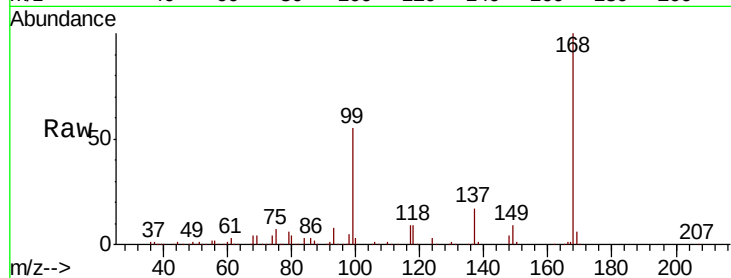




#31
Cyclohexane
Concen: 1.183 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017124.D
Acq: 02 Jul 2020 01:52

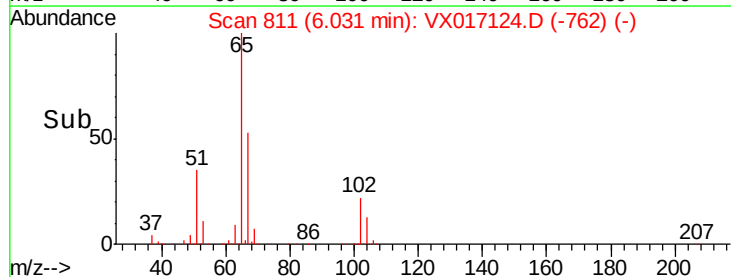
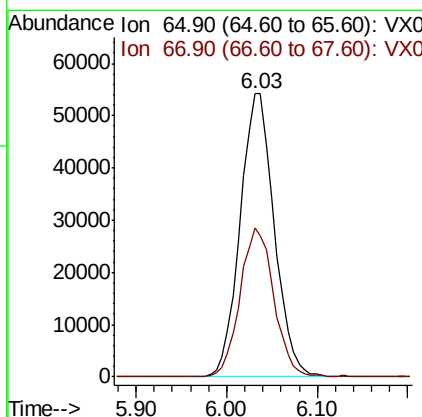
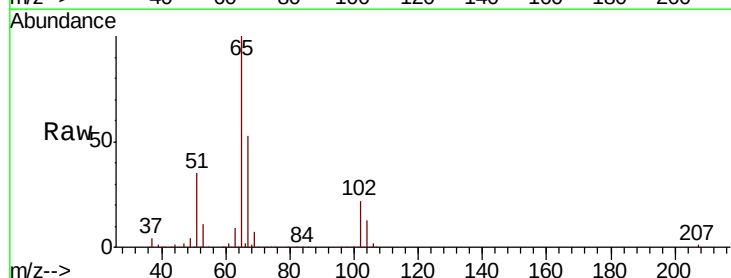
Instrument :
MSVOA_X
ClientSampleId :
30BR-20200629

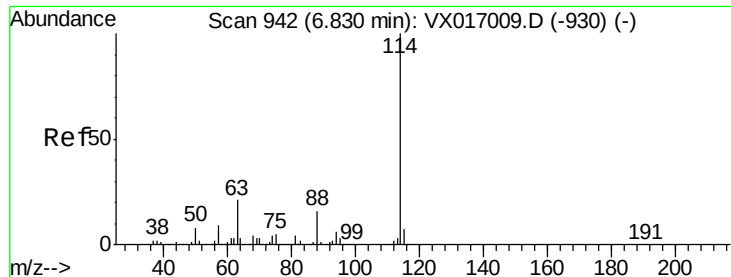
Tot Ion: 56 Resp: 4217
Ion Ratio Lower Upper
56 100
69 206.6 25.0 37.4#
84 132.0 69.1 103.7#



#33
1,2-Dichloroethane-d4
Concen: 53.505 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017124.D
Acq: 02 Jul 2020 01:52

Tgt Ion: 65 Resp: 141297
Ion Ratio Lower Upper
65 100
67 52.1 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: VX017124.D

Acq: 02 Jul 2020 01:52

Instrument :

MSVOA_X

ClientSampleId :

30BR-20200629

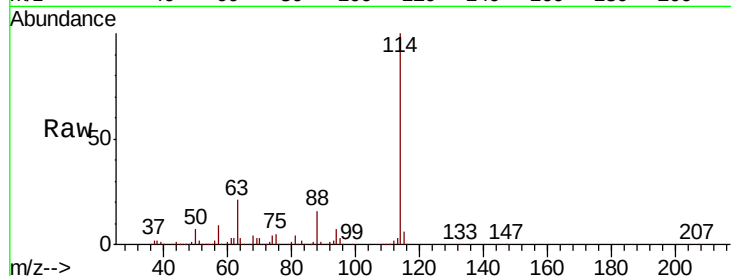
Tot Ion:114 Resp: 362207

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.4

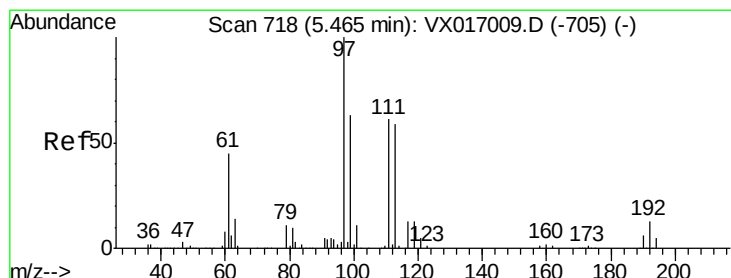
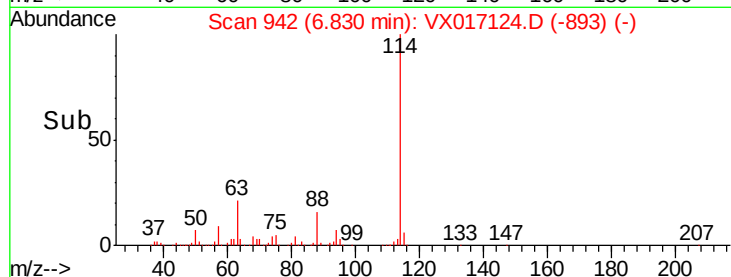
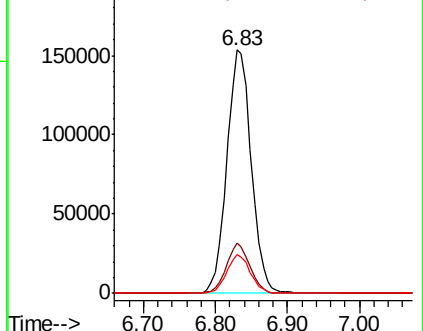
88 15.9 0.0 32.4



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: 52.753 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017124.D

Acq: 02 Jul 2020 01:52

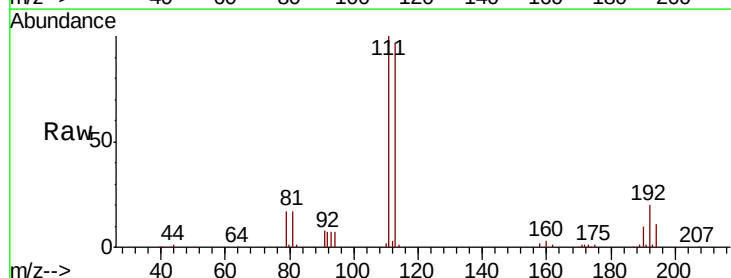
Tgt Ion:113 Resp: 120868

Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

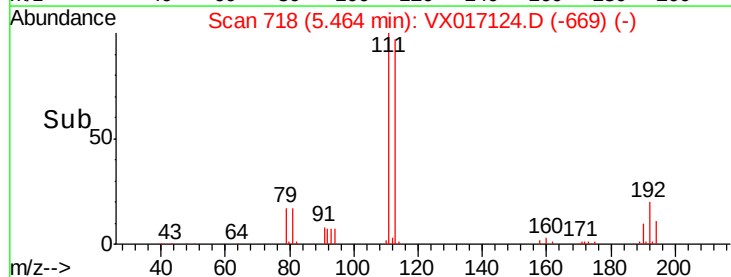
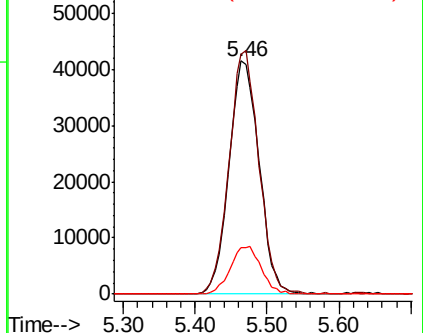
192 20.8 16.7 25.1

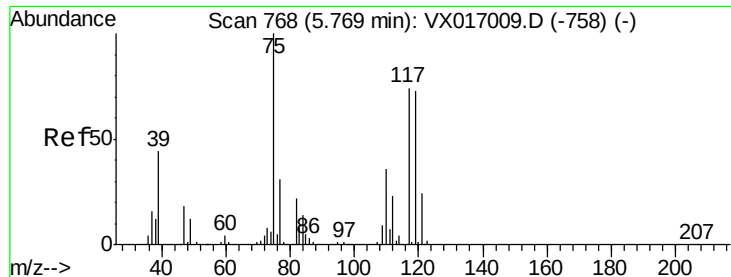


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.704 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX017124.D

Acq: 02 Jul 2020 01:52

Instrument :

MSVOA_X

ClientSampleId :

30BR-20200629

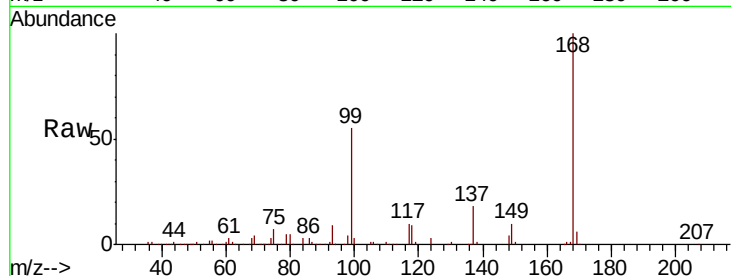
Tot Ion: 75 Resp: 16104

Ion Ratio Lower Upper

75 100

110 5.4 18.1 54.1#

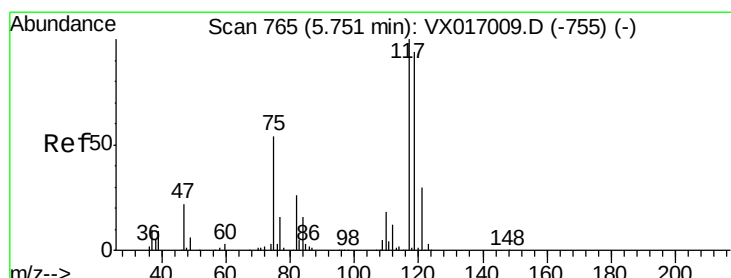
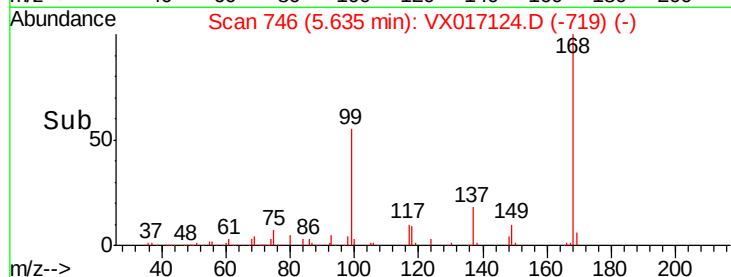
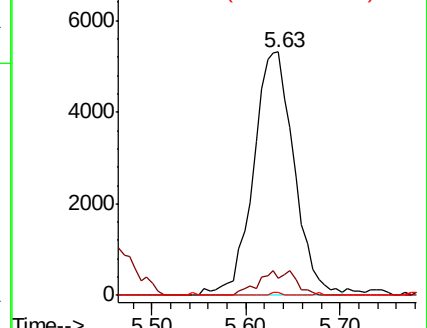
77 0.3 24.6 37.0#



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: 5.603 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017124.D

Acq: 02 Jul 2020 01:52

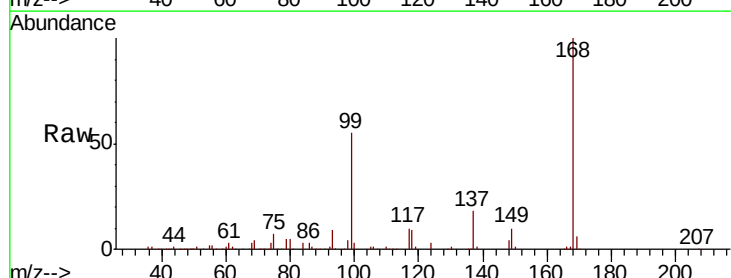
Tgt Ion:117 Resp: 21126

Ion Ratio Lower Upper

117 100

119 7.1 75.4 113.0#

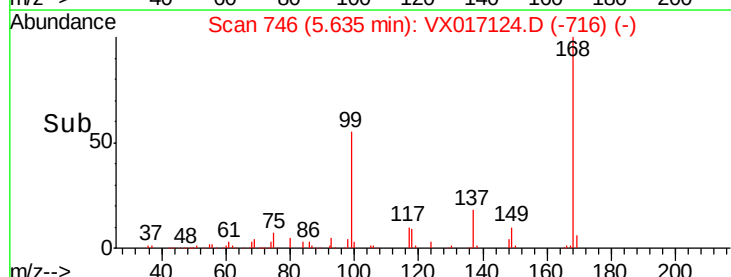
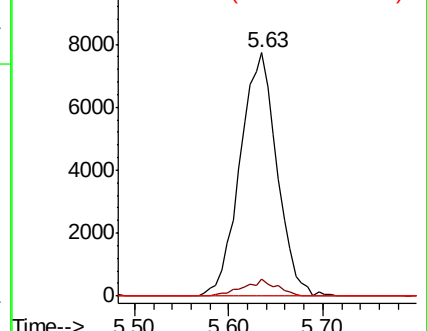
121 0.0 23.8 35.6#

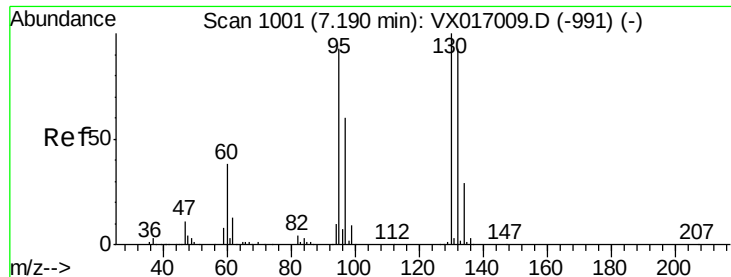


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: Below Cal

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017124.D

Acq: 02 Jul 2020 01:52

Instrument :

MSVOA_X

ClientSampleId :

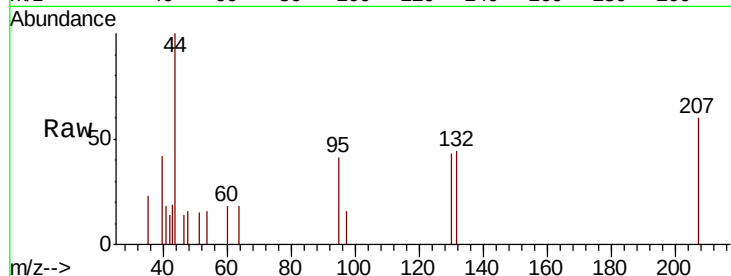
30BR-20200629

Tot Ion:130 Resp: 226

Ion Ratio Lower Upper

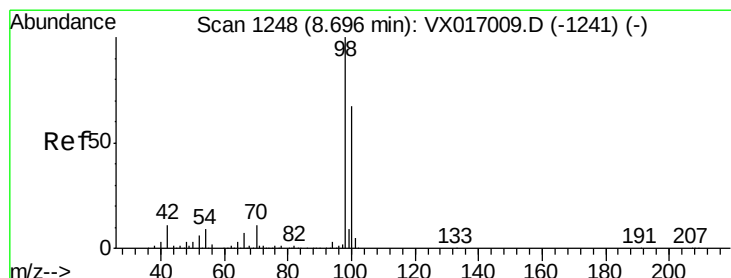
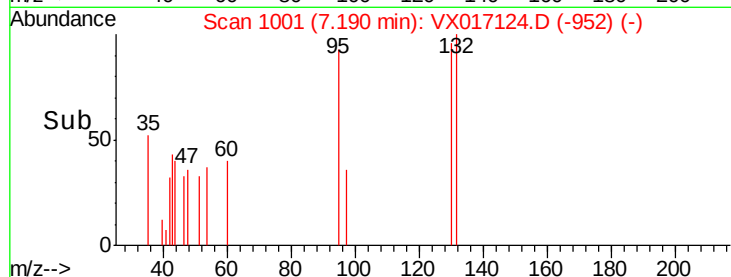
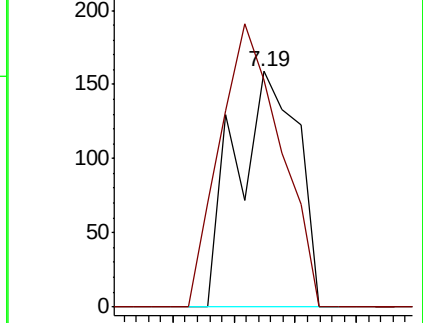
130 100

95 96.2 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 52.113 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017124.D

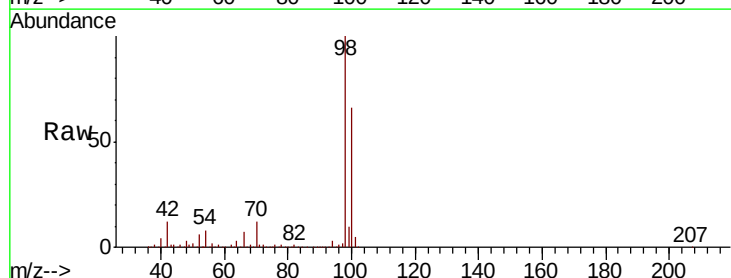
Acq: 02 Jul 2020 01:52

Tgt Ion: 98 Resp: 441520

Ion Ratio Lower Upper

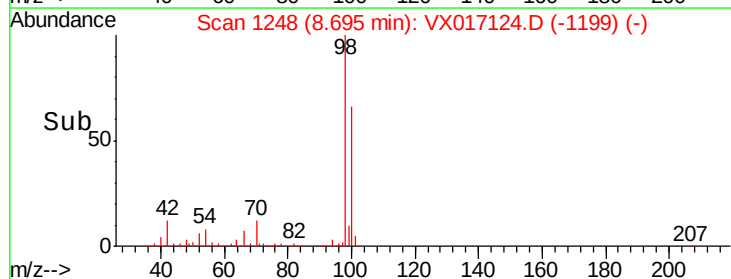
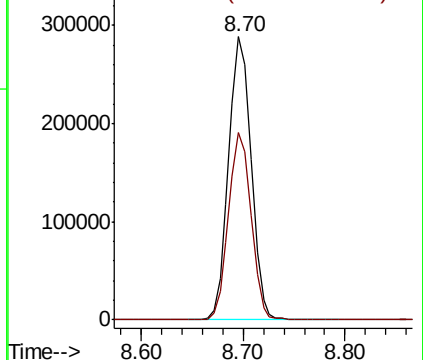
98 100

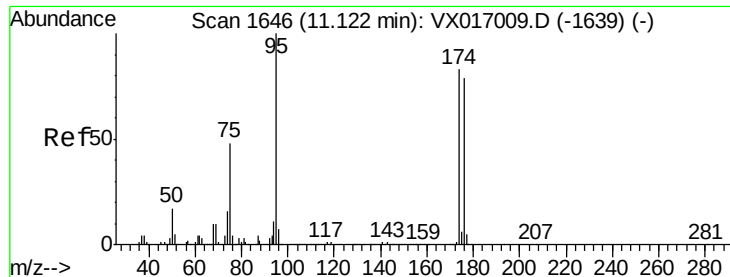
100 66.1 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 56.248 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017124.D

Acq: 02 Jul 2020 01:52

Instrument :

MSVOA_X

ClientSampleId :

30BR-20200629

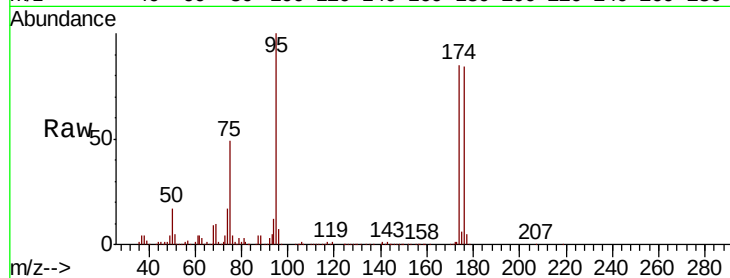
Tot Ion: 95 Resp: 186292

Ion Ratio Lower Upper

95 100

174 83.7 0.0 164.0

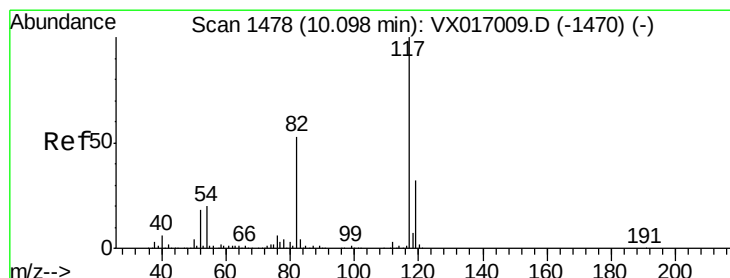
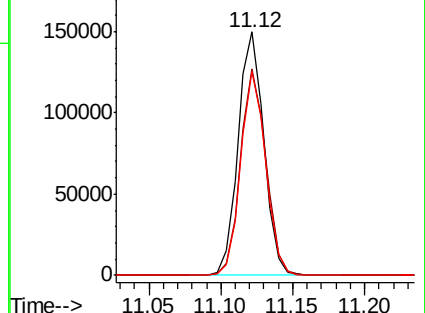
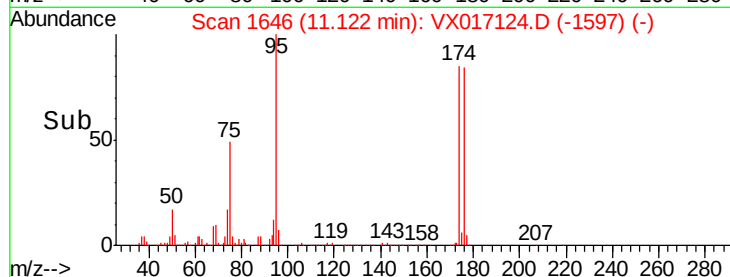
176 81.2 0.0 157.6



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: VX017124.D

Acq: 02 Jul 2020 01:52

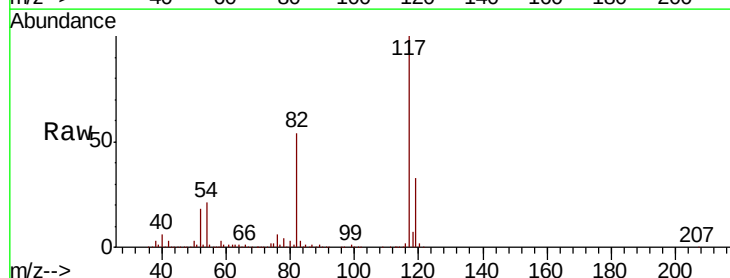
Tgt Ion: 117 Resp: 375503

Ion Ratio Lower Upper

117 100

82 53.5 42.6 63.8

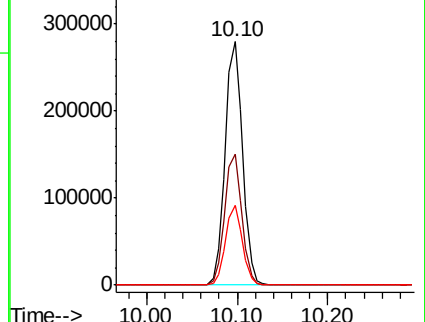
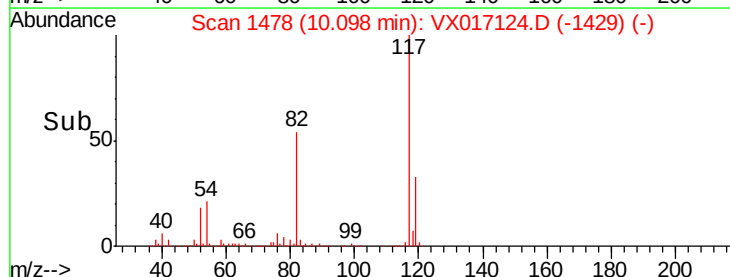
119 32.6 25.4 38.2

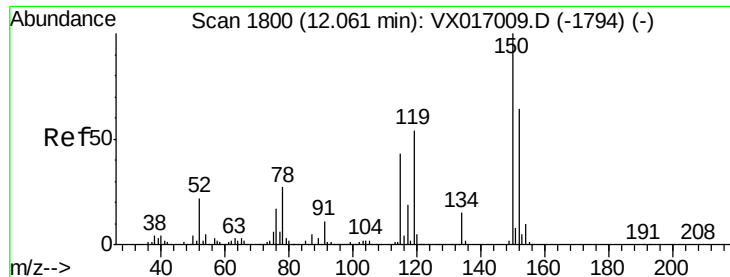


Abundance Ion 116.90 (116.60 to 117.60): VX0

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: VX017124.D

Acq: 02 Jul 2020 01:52

Instrument :

MSVOA_X

ClientSampleId :

30BR-20200629

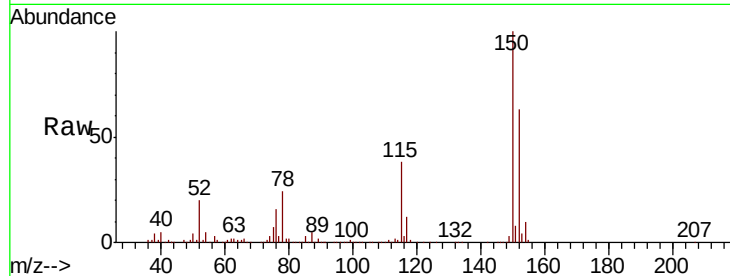
Tot Ion:152 Resp: 201229

Ion Ratio Lower Upper

152 100

115 58.1 40.9 122.7

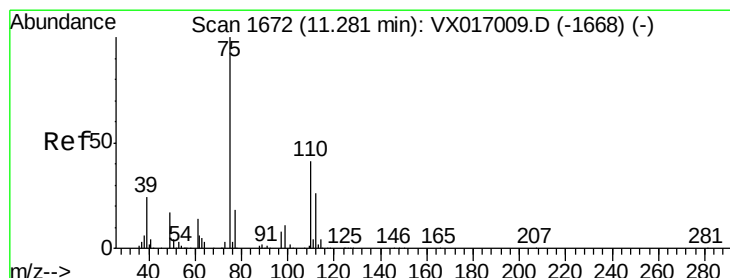
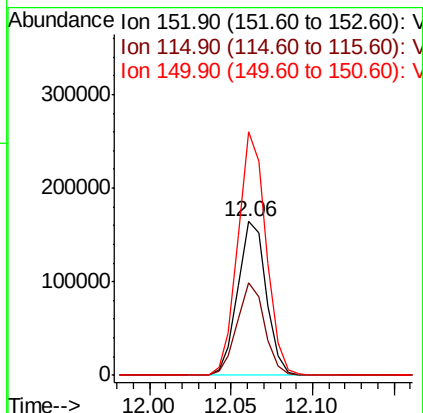
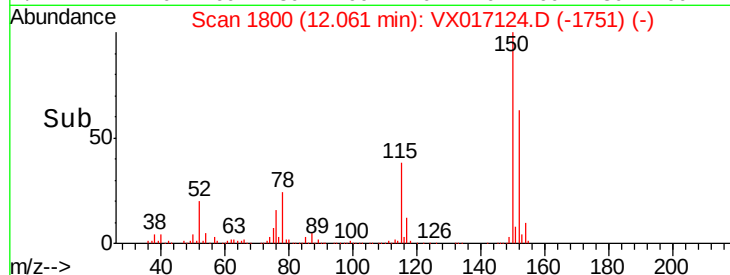
150 155.8 0.0 351.6



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: 23.063 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017124.D

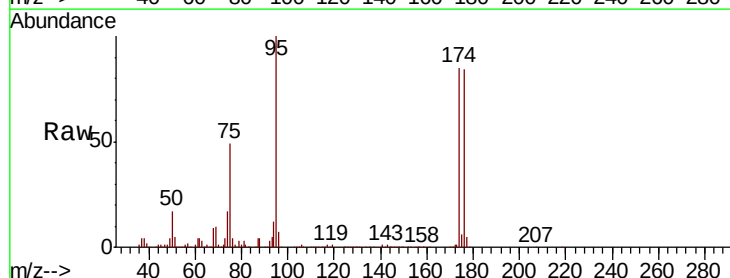
Acq: 02 Jul 2020 01:52

Tgt Ion: 75 Resp: 91262

Ion Ratio Lower Upper

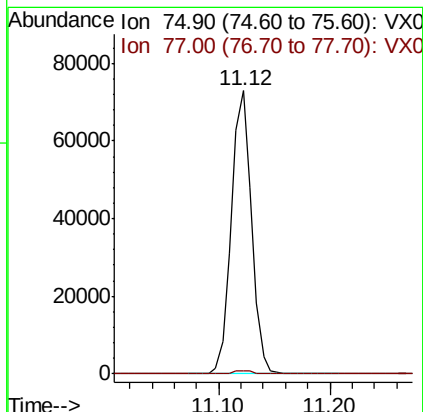
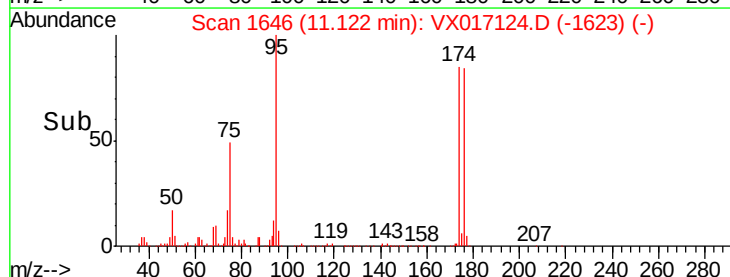
75 100

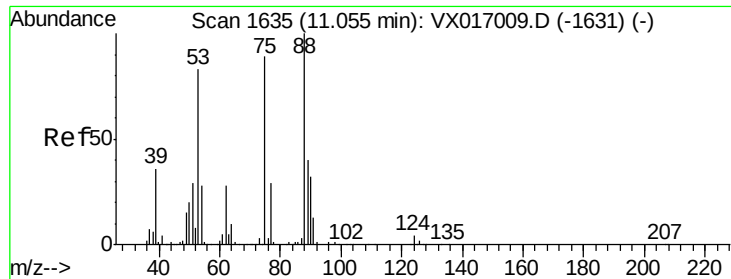
77 1.4 20.2 60.6#



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: 59.725 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017124.D

Acq: 02 Jul 2020 01:52

Instrument :

MSVOA_X

ClientSampleId :

30BR-20200629

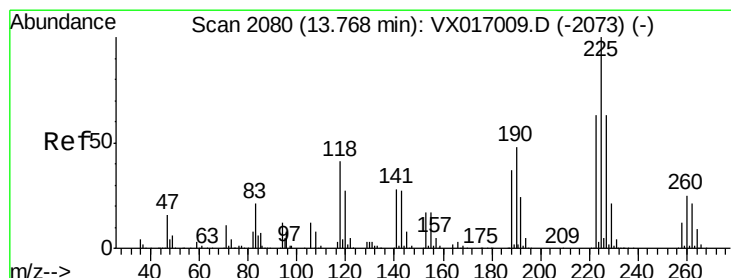
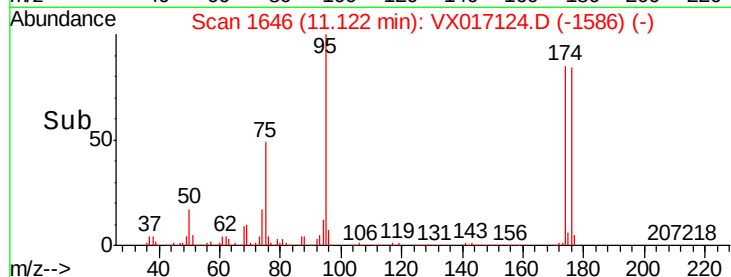
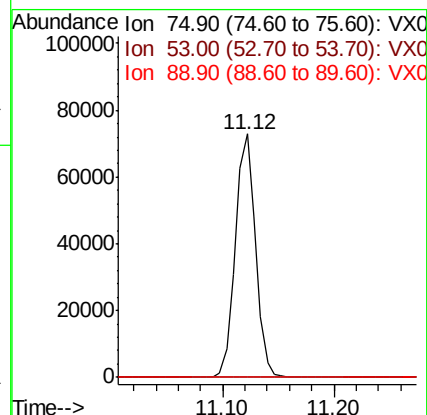
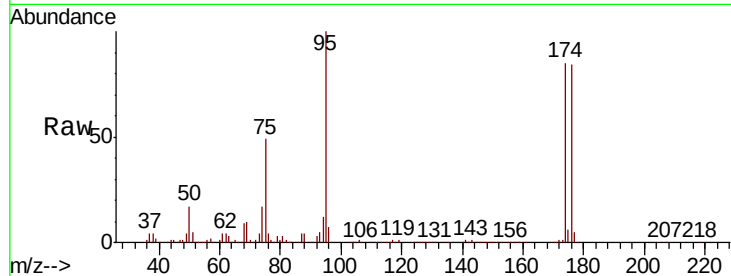
Tot Ion: 75 Resp: 91262

Ion Ratio Lower Upper

75 100

53 0.3 72.4 108.6#

89 0.0 37.0 55.4#



#94

Hexachlorobutadiene

Concen: 0.866 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX017124.D

Acq: 02 Jul 2020 01:52

Tgt Ion: 225 Resp: 35

Ion Ratio Lower Upper

225 100

223 157.1 32.5 97.5#

227 62.9 33.1 99.2

