

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073120\
 Data File : VX017699.D
 Acq On : 31 Jul 2020 14:21
 Operator : JC/SP
 Sample : L3530-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Aug 01 02:44:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	479111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	811730	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	875175	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	477430	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	330747	53.74	ug/l	0.00
Spiked Amount			Recovery	=	107.48%	
35) Dibromofluoromethane	5.47	113	277739	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
50) Toluene-d8	8.70	98	1004208	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
62) 4-Bromofluorobenzene	11.12	95	436698	55.72	ug/l	0.00
Spiked Amount			Recovery	=	111.44%	

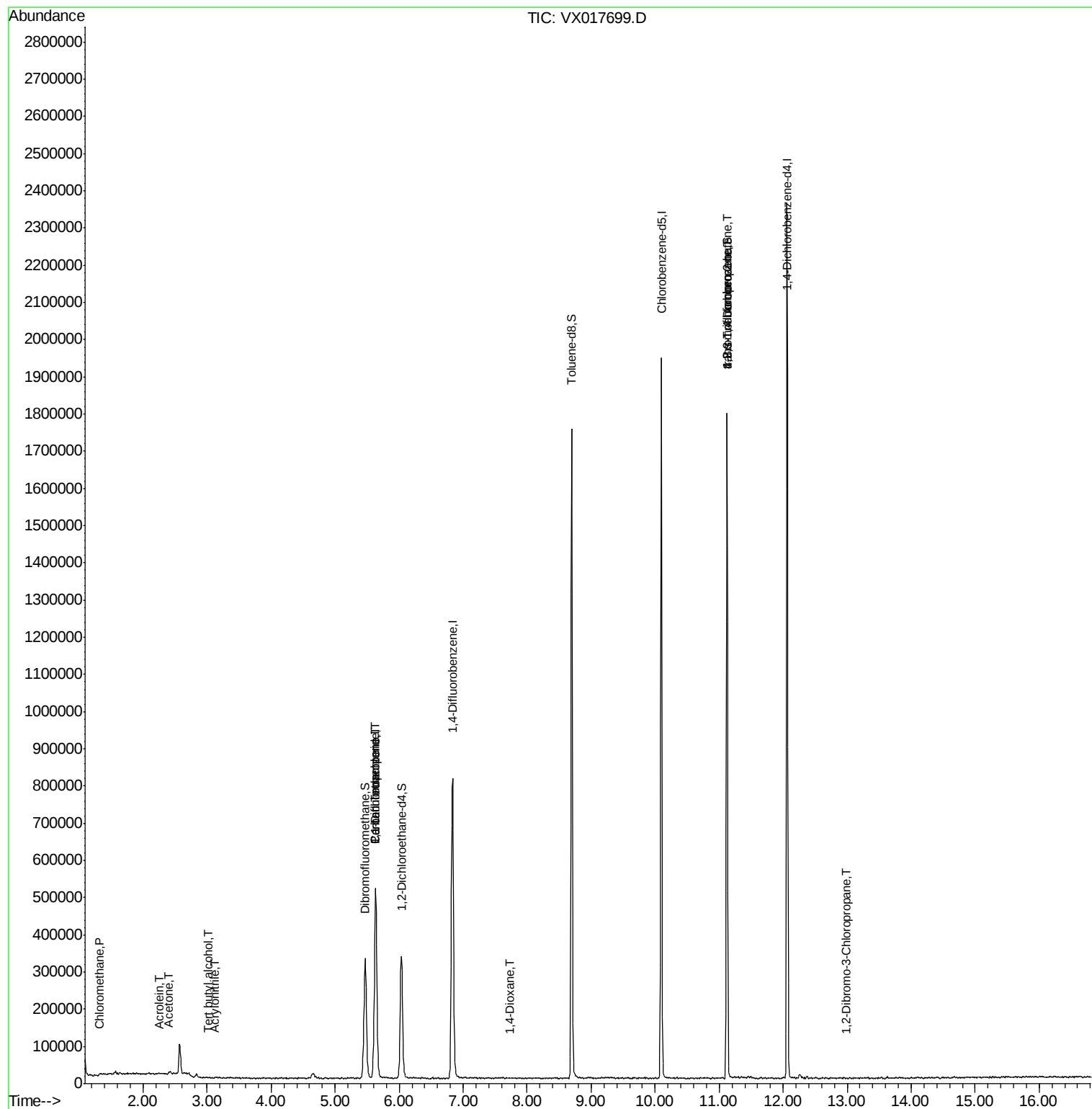
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	234	Below Cal	#	21
3) Chloromethane	1.31	50	2881	0.850	ug/l #	65
5) Bromomethane	1.64	94	1141	Below Cal	#	60
6) Chloroethane	1.70	64	198	Below Cal	#	1
8) Diethyl Ether	2.22	74	277	Below Cal		77
11) Tert butyl alcohol	3.01	59	501	0.386	ug/l #	1
13) Acrolein	2.26	56	202	4.349	ug/l #	35
15) Acrylonitrile	3.12	53	782	0.279	ug/l #	63
16) Acetone	2.41	43	6595	2.435	ug/l	92
20) Methylene Chloride	2.84	84	4501	Below Cal		93
36) 1,1-Dichloropropene	5.63	75	36375	4.672	ug/l #	52
38) Carbon Tetrachloride	5.63	117	49413	5.227	ug/l #	17
49) 1,4-Dioxane	7.72	88	143	1.071	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	224542	22.864	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	224542	57.611	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.98	75	118	2.615	ug/l #	32

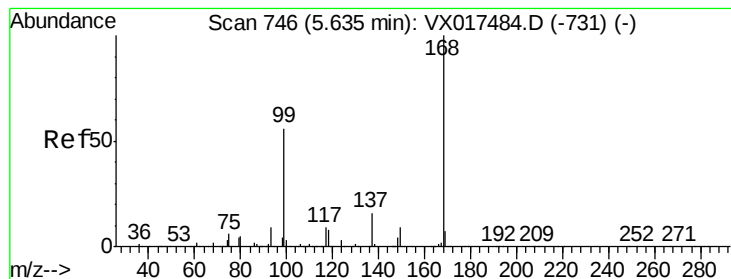
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 24 05:48:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017699.D

Acq: 31 Jul 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

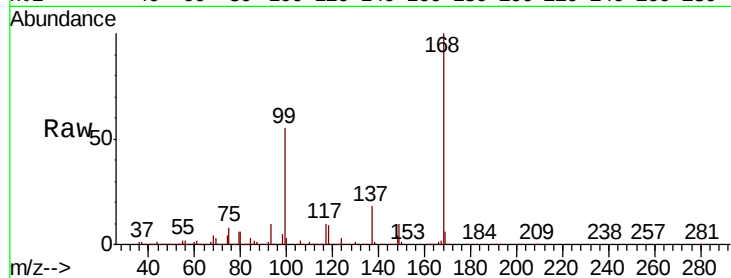
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 479111

Ion Ratio Lower Upper

168 100

99 55.3 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

100000

50000

0

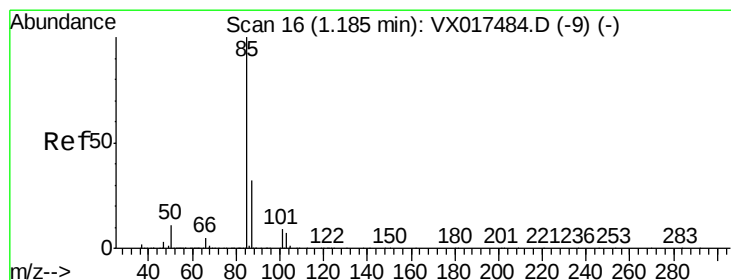
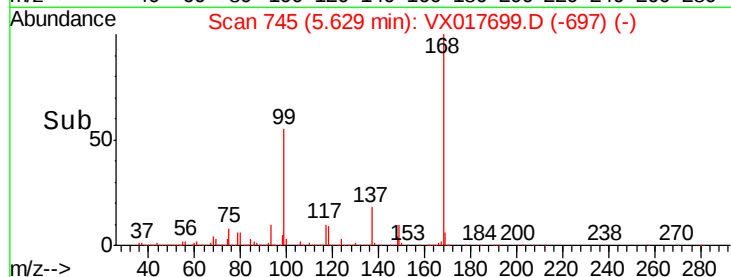
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017699.D

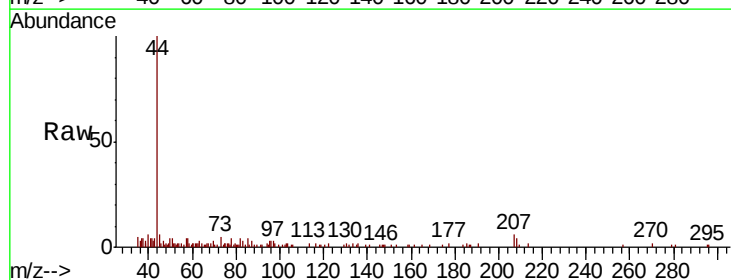
Acq: 31 Jul 2020 14:21

Tgt Ion: 85 Resp: 234

Ion Ratio Lower Upper

85 100

87 76.5 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300

250

200

150

100

50

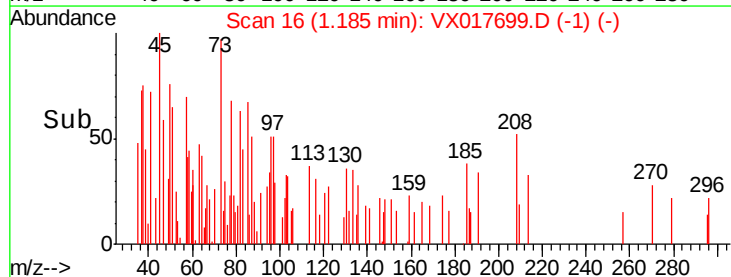
0

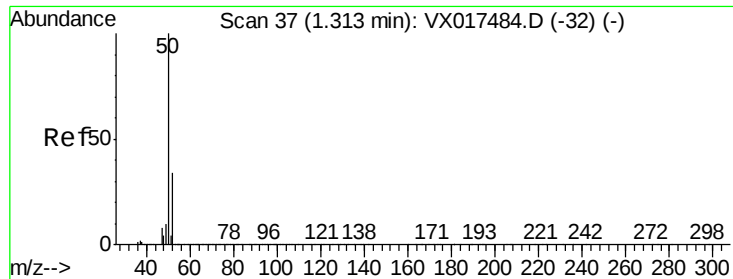
1.16

1.18

1.20

Time-->





#3

Chloromethane

Concen: 0.850 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017699.D

Acq: 31 Jul 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

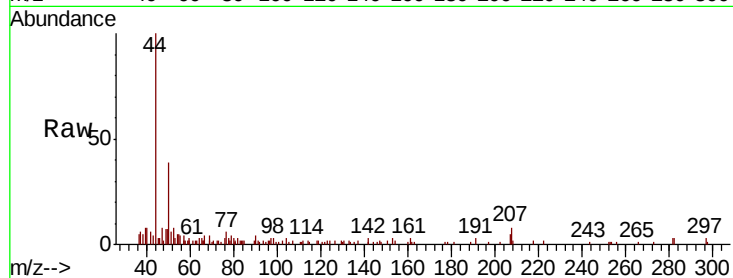
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 50 Resp: 2881

Ion Ratio Lower Upper

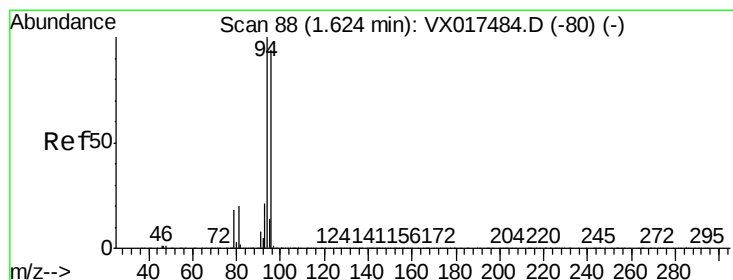
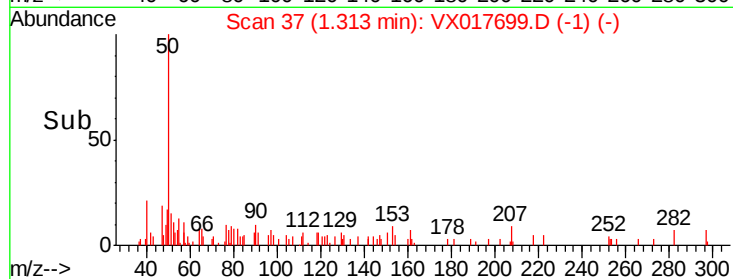
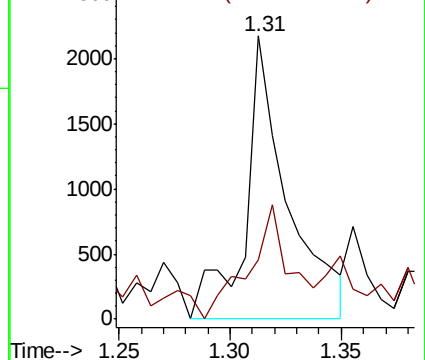
50 100

52 12.8 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017699.D

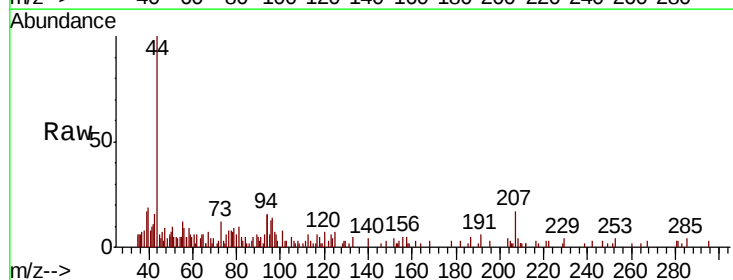
Acq: 31 Jul 2020 14:21

Tgt Ion: 94 Resp: 1141

Ion Ratio Lower Upper

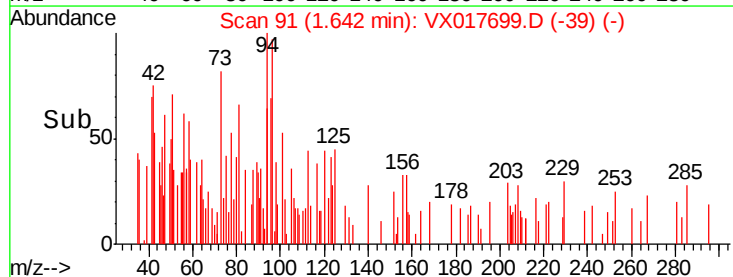
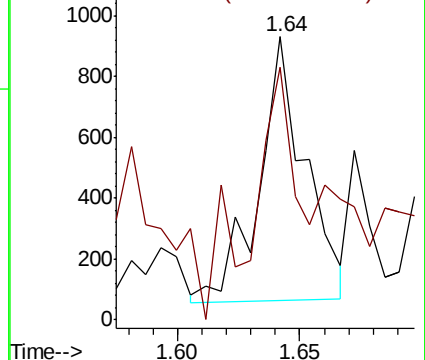
94 100

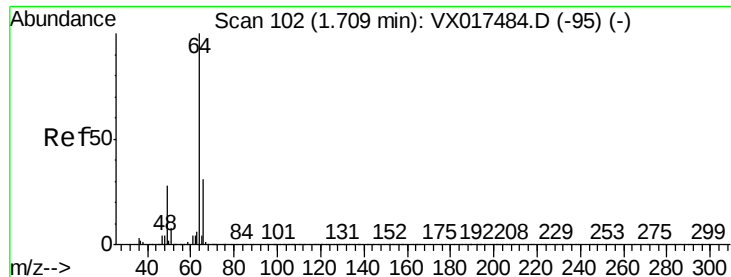
96 54.0 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 100

Delta R.T. -0.01 min

Lab File: VX017699.D

Acq: 31 Jul 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

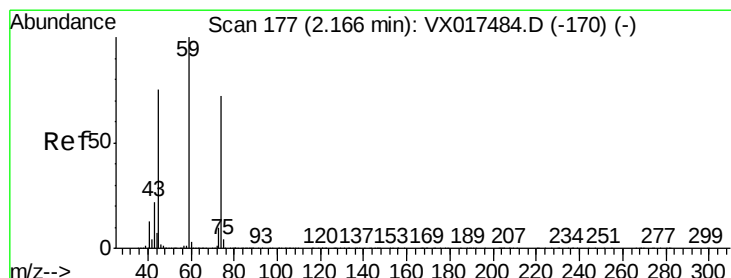
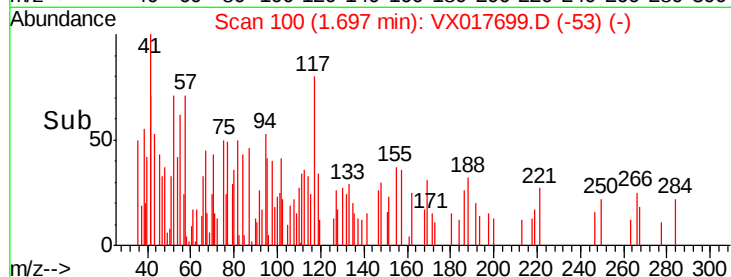
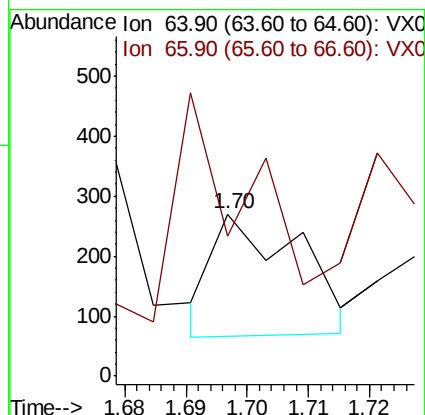
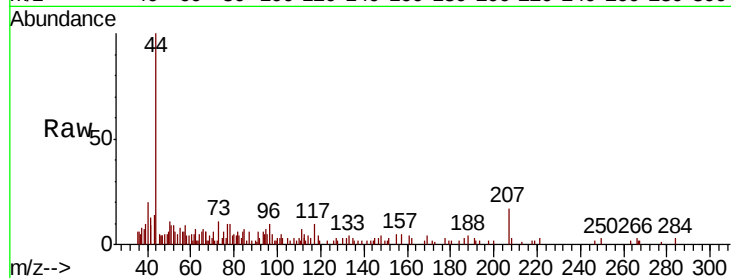
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 64 Resp: 198

Ion Ratio Lower Upper

64 100

66 160.0 24.9 37.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.22 min Scan# 185

Delta R.T. 0.05 min

Lab File: VX017699.D

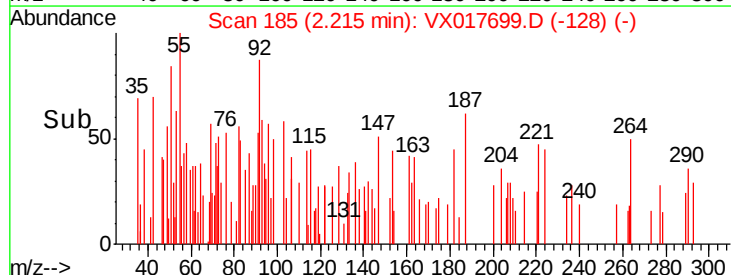
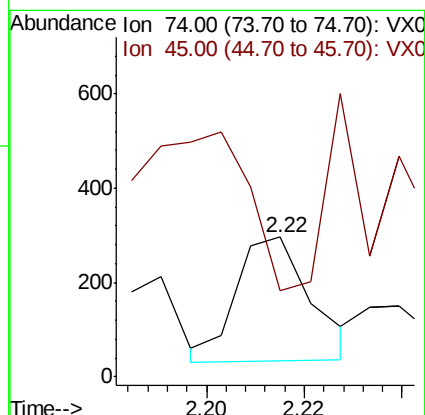
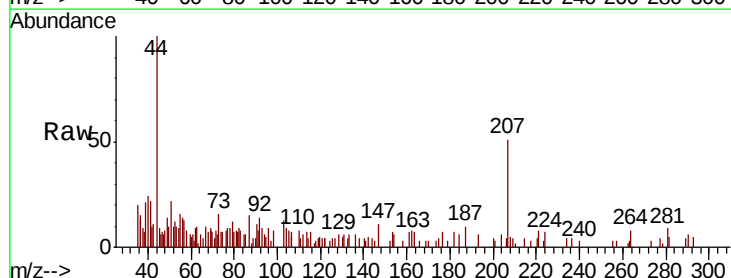
Acq: 31 Jul 2020 14:21

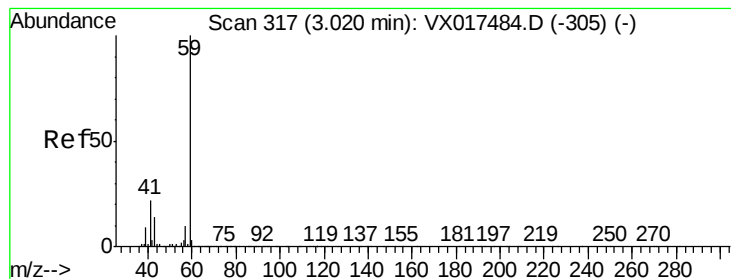
Tgt Ion: 74 Resp: 277

Ion Ratio Lower Upper

74 100

45 124.5 50.8 152.5



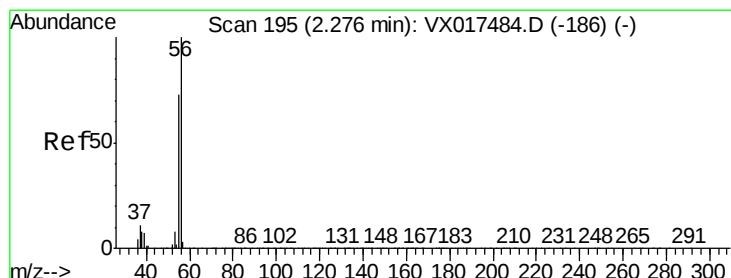
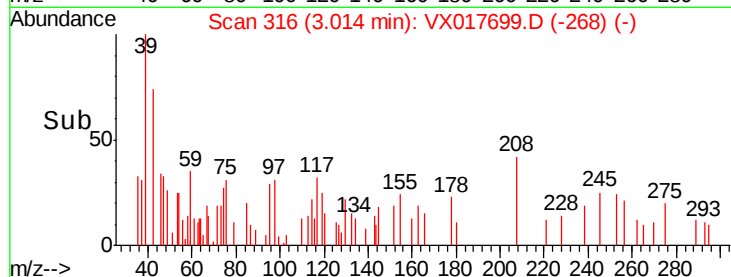
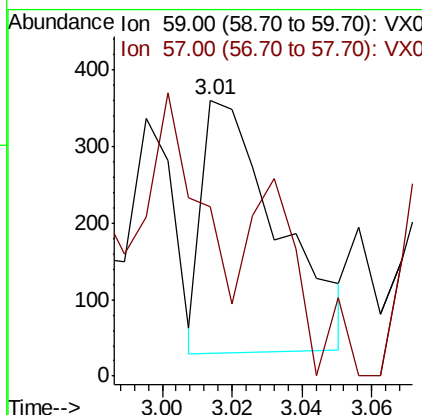
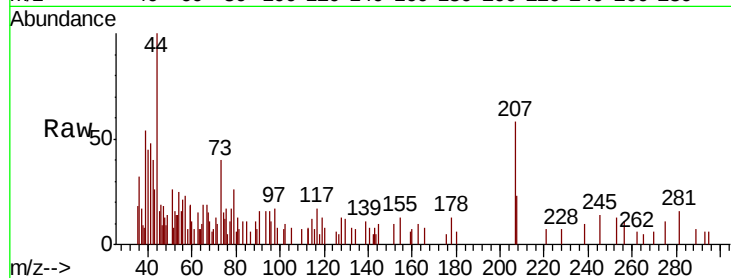


#11

Tert butyl alcohol
Concen: 0.386 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX017699.D
Acq: 31 Jul 2020 14:21

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

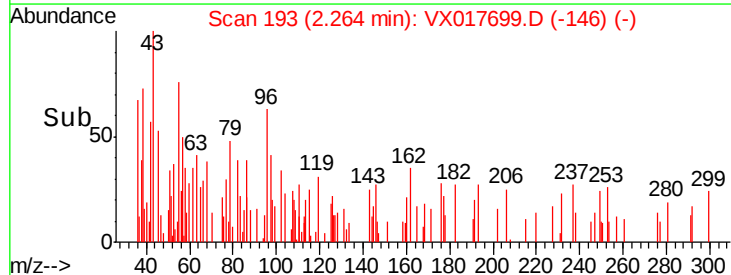
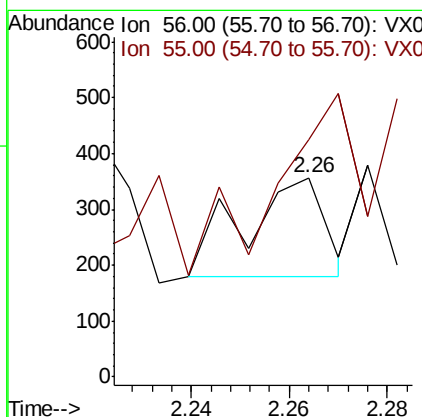
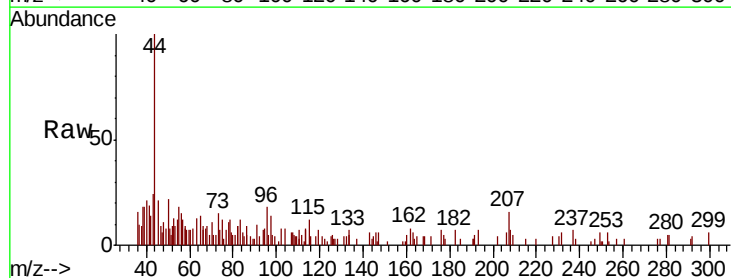
Tot Ion: 59 Resp: 501
Ion Ratio Lower Upper
59 100
57 53.9 8.6 12.8#

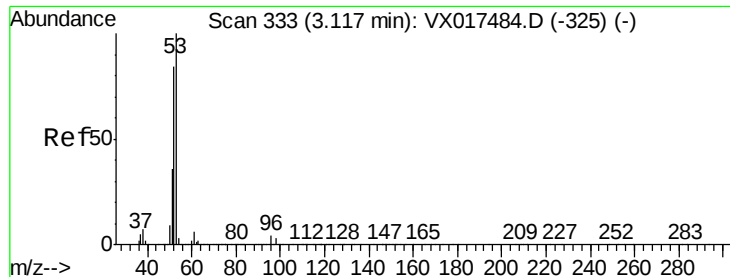


#13

Acrolein
Concen: 4.349 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX017699.D
Acq: 31 Jul 2020 14:21

Tgt Ion: 56 Resp: 202
Ion Ratio Lower Upper
56 100
55 126.2 57.4 86.2#





#15

Acrylonitrile

Concen: 0.279 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX017699.D

Acq: 31 Jul 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

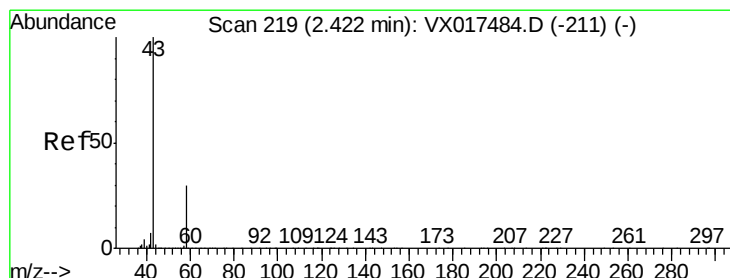
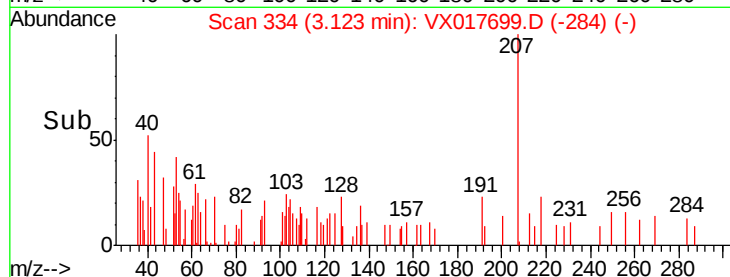
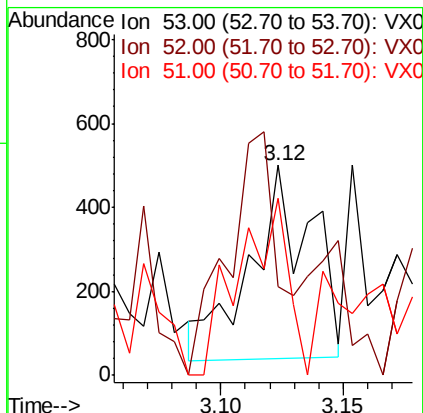
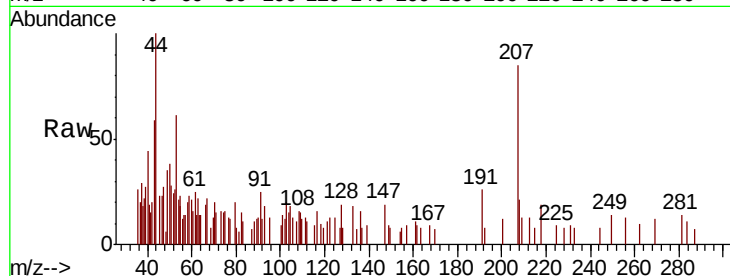
Tot Ion: 53 Resp: 782

Ion Ratio Lower Upper

53 100

52 105.4 66.6 99.8#

51 76.1 29.4 44.2#



#16

Acetone

Concen: 2.435 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX017699.D

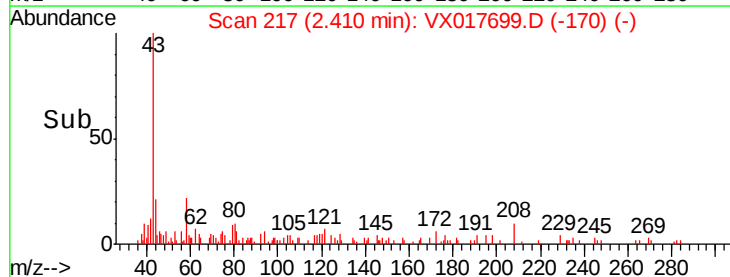
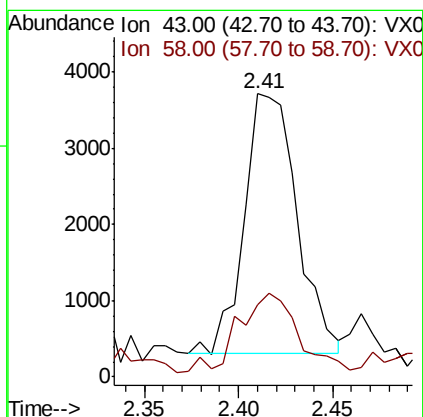
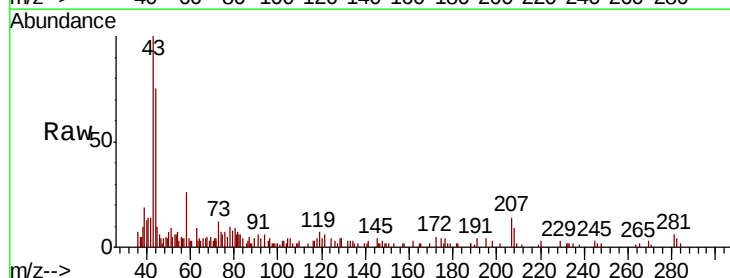
Acq: 31 Jul 2020 14:21

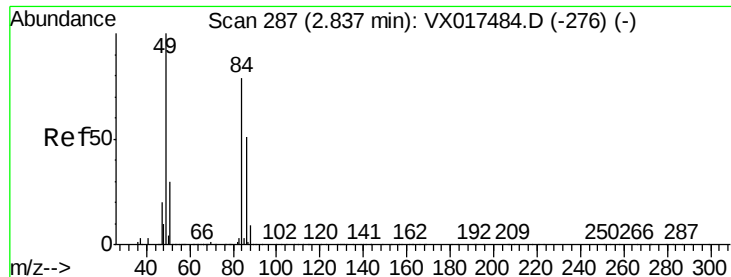
Tgt Ion: 43 Resp: 6595

Ion Ratio Lower Upper

43 100

58 25.7 24.2 36.4

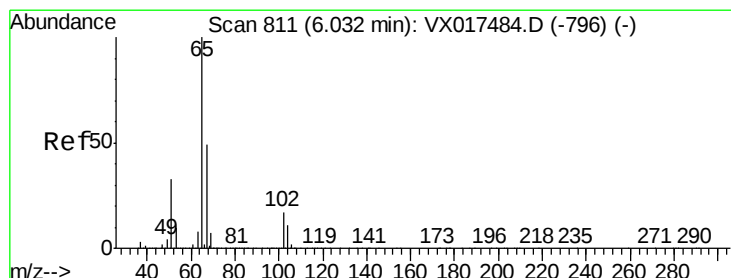
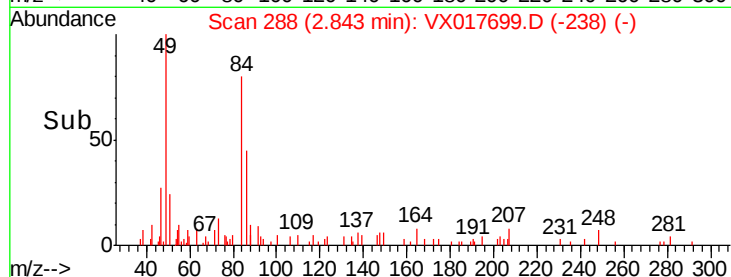
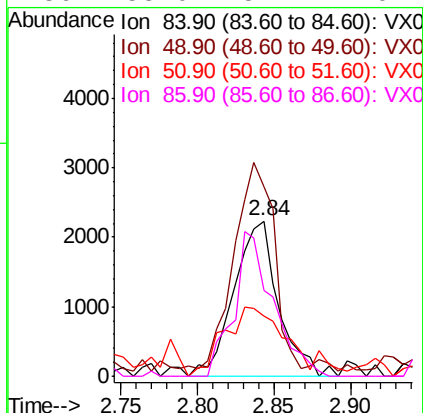
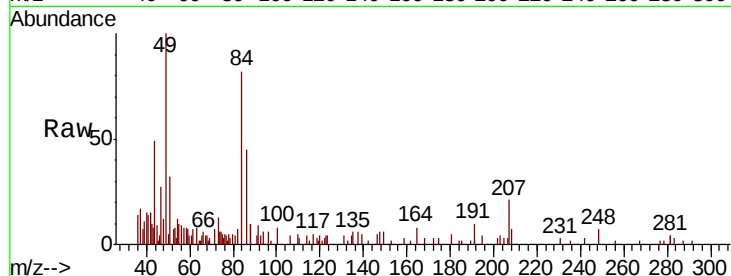




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX017699.D
Acq: 31 Jul 2020 14:21

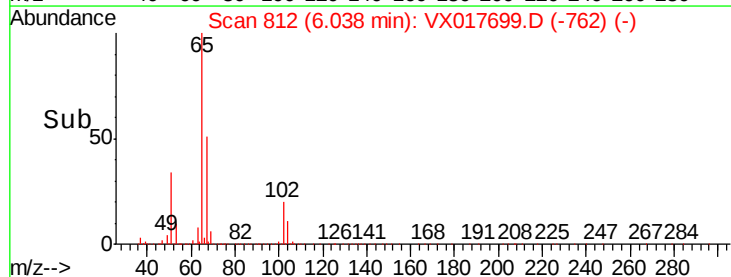
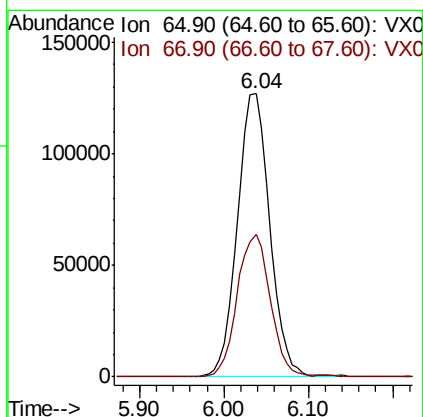
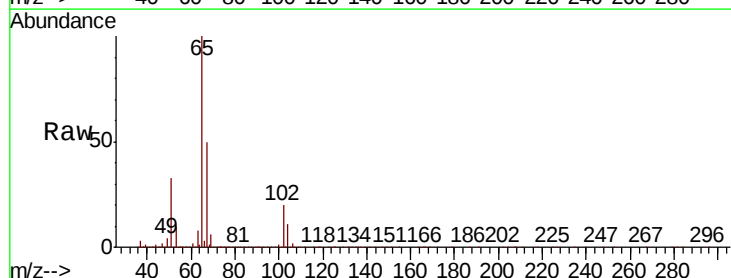
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

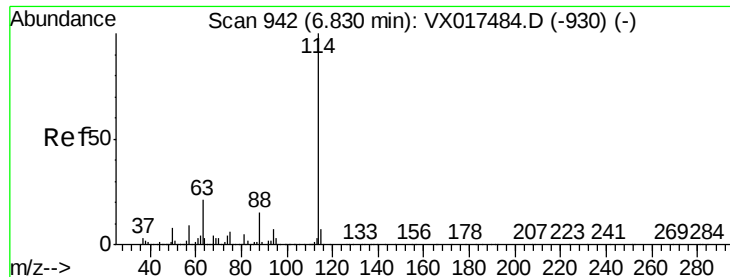
Tot Ion:	84	Resp:	4501
Ion	Ratio	Lower	Upper
84	100		
49	118.7	100.3	150.5
51	38.9	30.5	45.7
86	55.0	51.1	76.7



#33
1,2-Dichloroethane-d4
Concen: 53.742 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX017699.D
Acq: 31 Jul 2020 14:21

Tgt Ion:	65	Resp:	330747
Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017699.D

Acq: 31 Jul 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

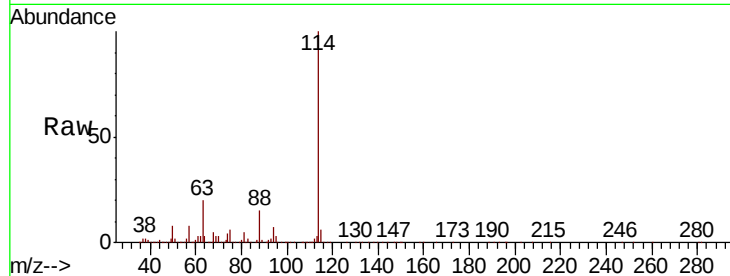
Tot Ion:114 Resp: 811730

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.6

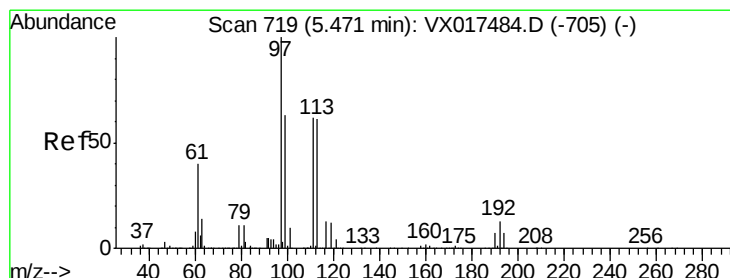
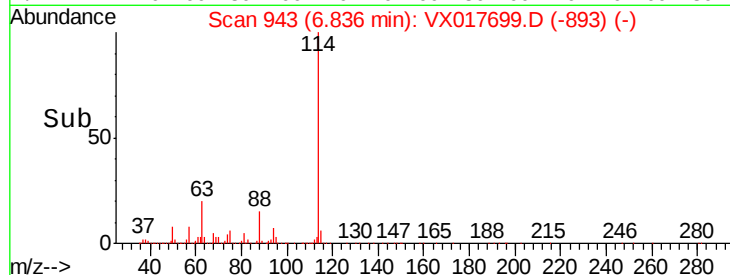
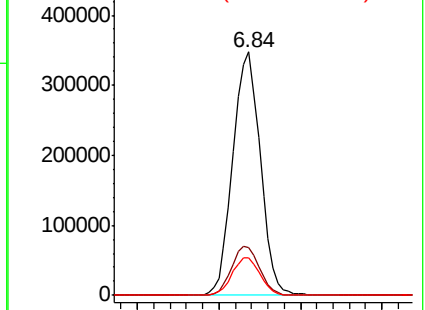
88 15.5 0.0 33.4



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: 51.159 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX017699.D

Acq: 31 Jul 2020 14:21

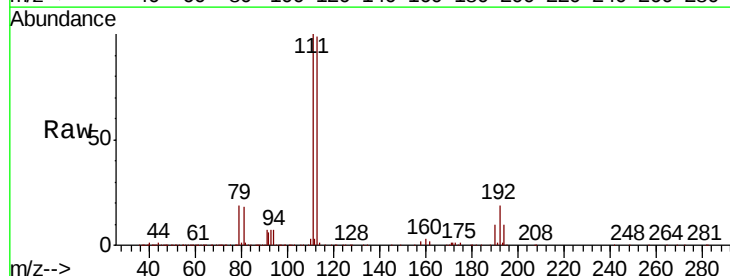
Tgt Ion:113 Resp: 277739

Ion Ratio Lower Upper

113 100

111 101.5 80.7 121.1

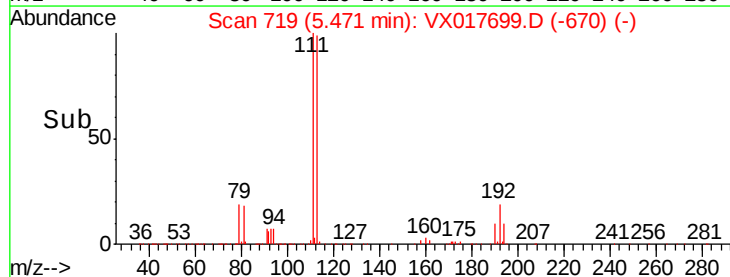
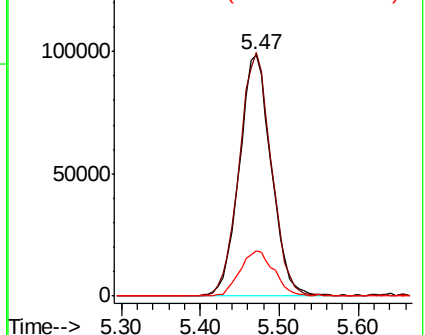
192 20.0 16.9 25.3

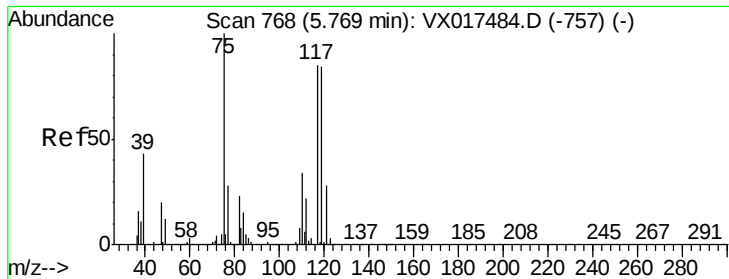


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.672 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017699.D

Acq: 31 Jul 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

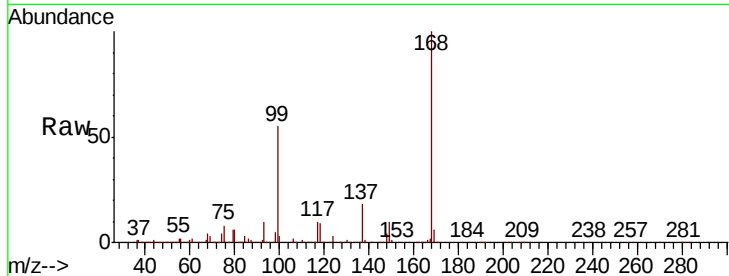
Tot Ion: 75 Resp: 36375

Ion Ratio Lower Upper

75 100

110 11.7 18.1 54.3#

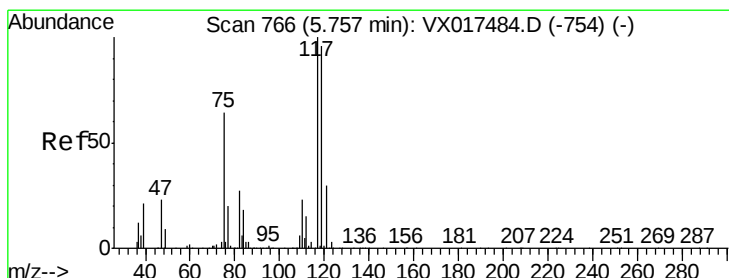
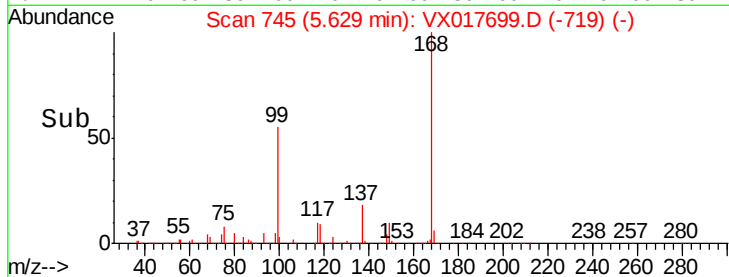
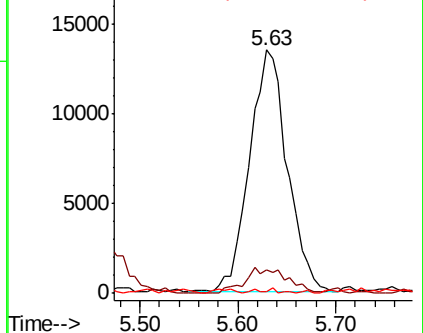
77 0.6 24.6 37.0#



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: 5.227 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017699.D

Acq: 31 Jul 2020 14:21

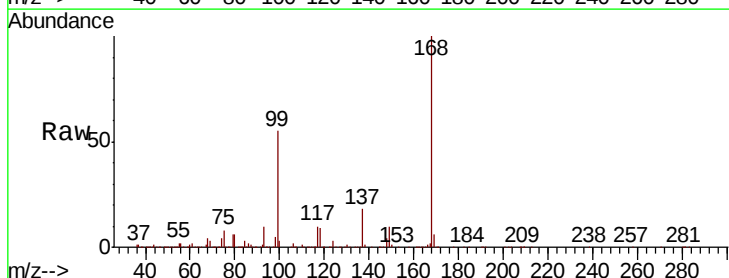
Tgt Ion: 117 Resp: 49413

Ion Ratio Lower Upper

117 100

119 4.8 75.4 113.0#

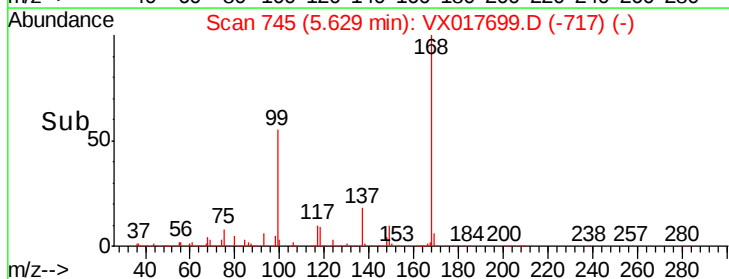
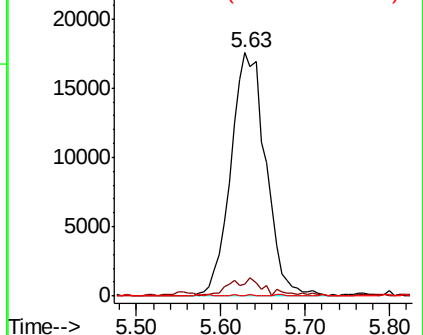
121 0.0 24.3 36.5#

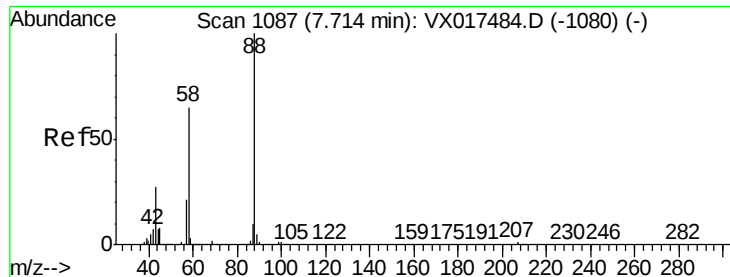


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 1.071 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX017699.D

Acq: 31 Jul 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

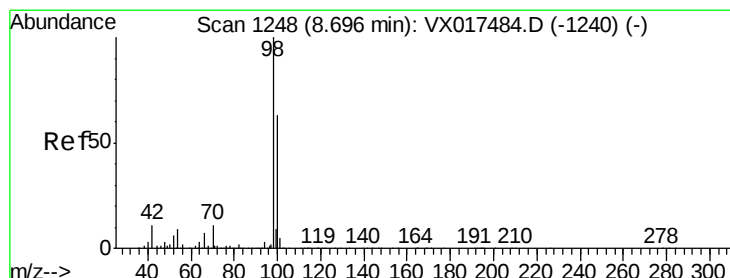
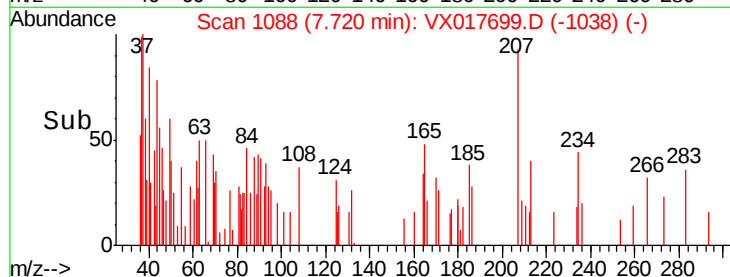
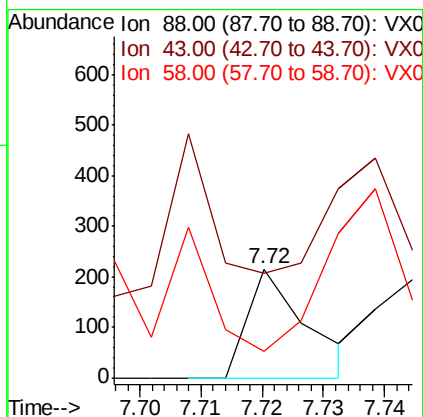
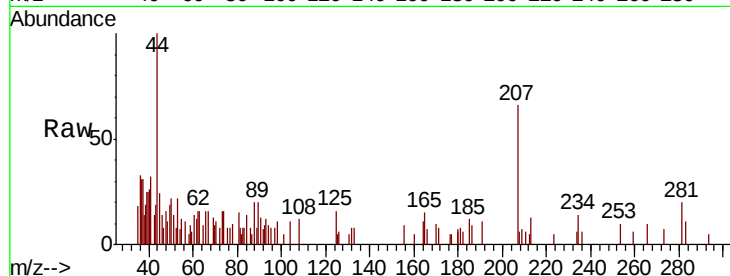
Tot Ion: 88 Resp: 143

Ion Ratio Lower Upper

88 100

43 322.4 27.8 41.6#

58 0.0 58.3 87.5#



#50

Toluene-d8

Concen: 51.275 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017699.D

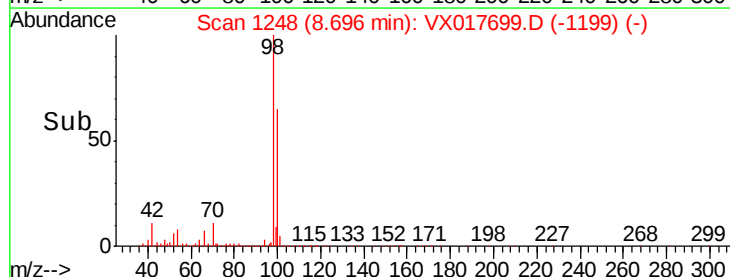
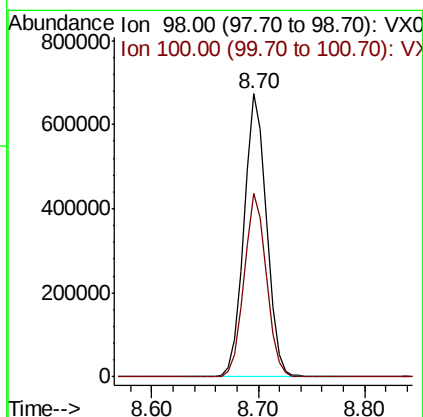
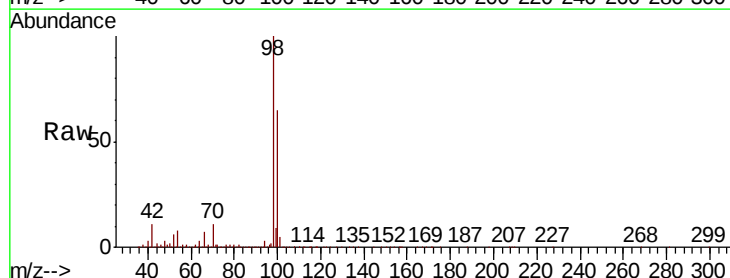
Acq: 31 Jul 2020 14:21

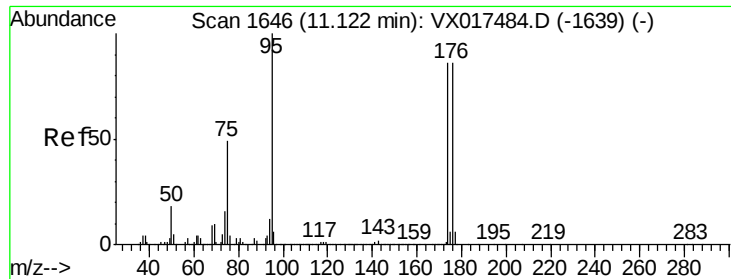
Tgt Ion: 98 Resp: 1004208

Ion Ratio Lower Upper

98 100

100 64.1 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 55.717 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017699.D

Acq: 31 Jul 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

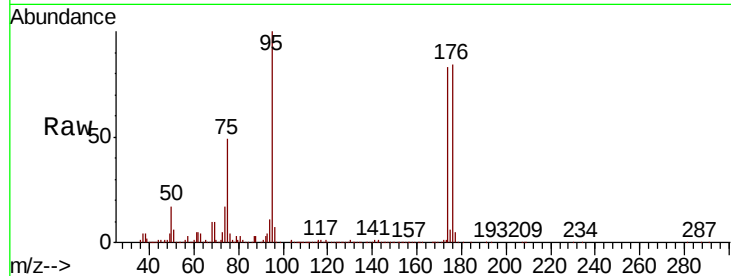
Tot Ion: 95 Resp: 436698

Ion Ratio Lower Upper

95 100

174 85.8 0.0 169.0

176 83.0 0.0 161.0

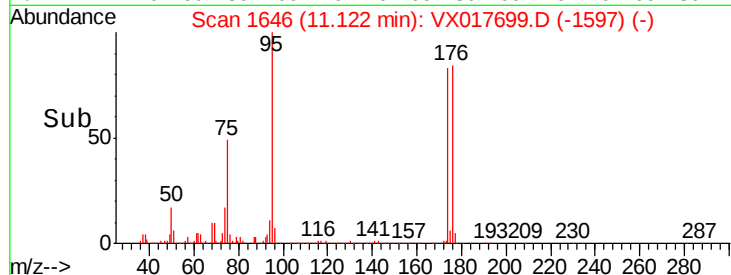


Abundance Ion 94.90 (94.60 to 95.60): VX017484.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX017484.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX017484.D (-1639) (-)

Time-->

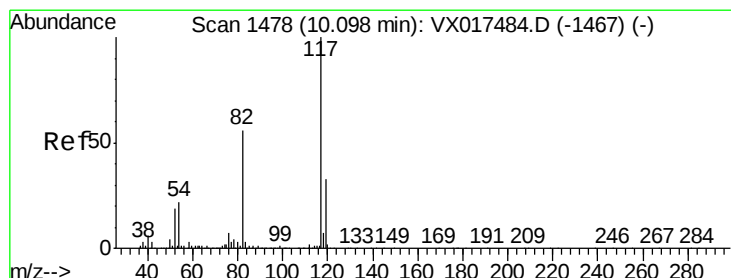


Abundance Ion 94.90 (94.60 to 95.60): VX017699.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX017699.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX017699.D (-1597) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017699.D

Acq: 31 Jul 2020 14:21

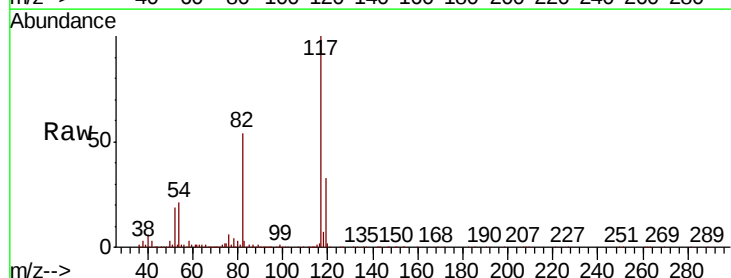
Tgt Ion: 117 Resp: 875175

Ion Ratio Lower Upper

117 100

82 54.4 44.0 66.0

119 32.7 25.4 38.0

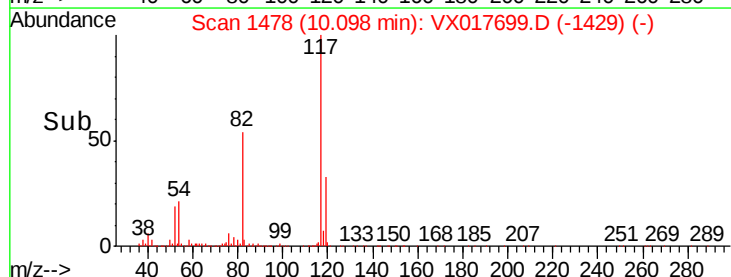


Abundance Ion 116.90 (116.60 to 117.60): VX017484.D (-1467) (-)

Ion 82.00 (81.70 to 82.70): VX017484.D (-1467) (-)

Ion 118.90 (118.60 to 119.60): VX017484.D (-1467) (-)

Time-->

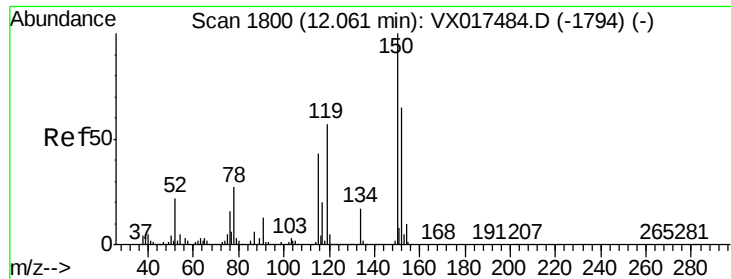


Abundance Ion 116.90 (116.60 to 117.60): VX017699.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX017699.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX017699.D (-1429) (-)

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: VX017699.D

Acq: 31 Jul 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

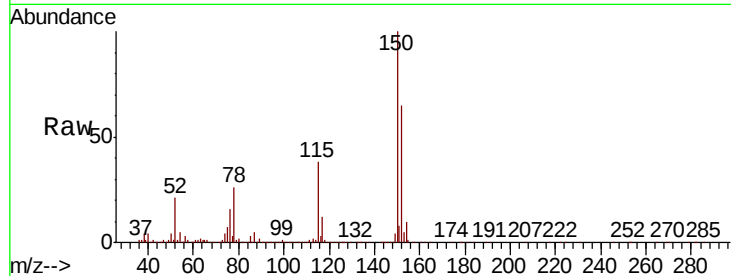
Tot Ion:152 Resp: 477430

Ion Ratio Lower Upper

152 100

115 57.5 65.5 196.6#

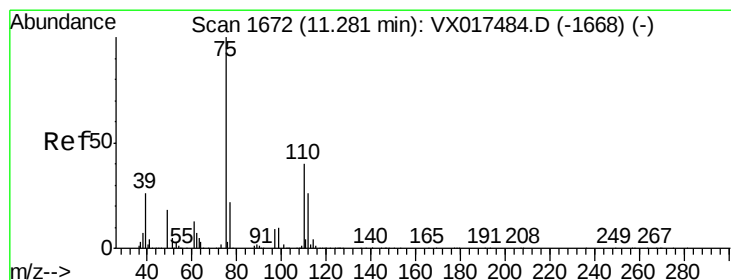
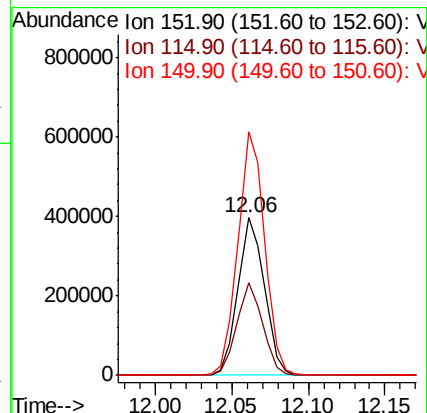
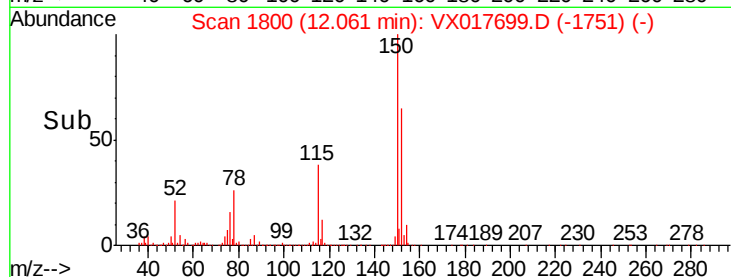
150 155.6 0.0 412.6



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: 22.864 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017699.D

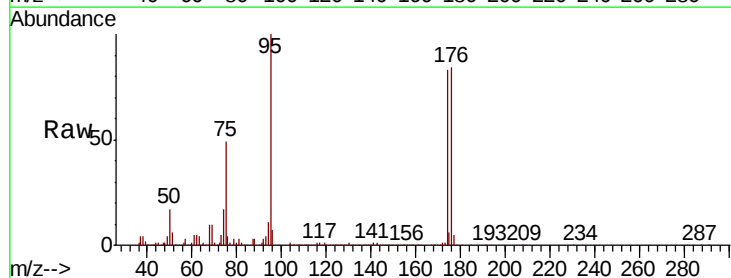
Acq: 31 Jul 2020 14:21

Tgt Ion: 75 Resp: 224542

Ion Ratio Lower Upper

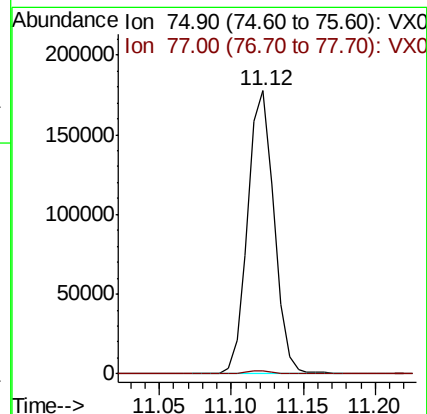
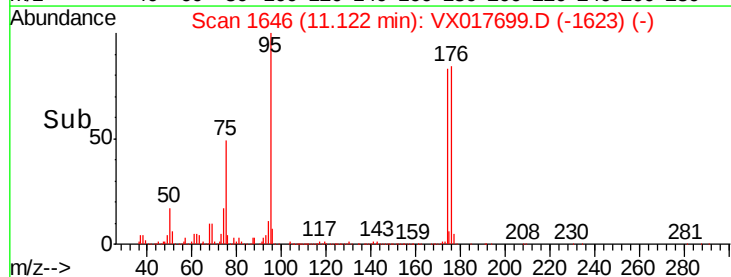
75 100

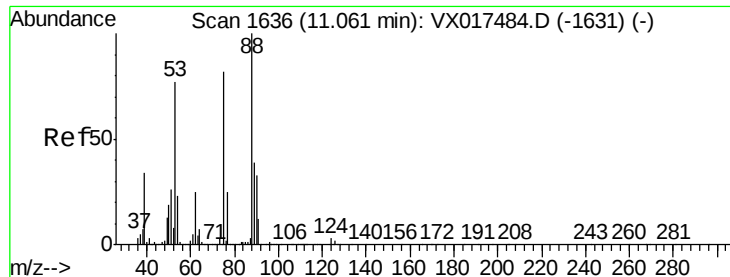
77 1.4 21.8 65.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 57.611 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017699.D

Acq: 31 Jul 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

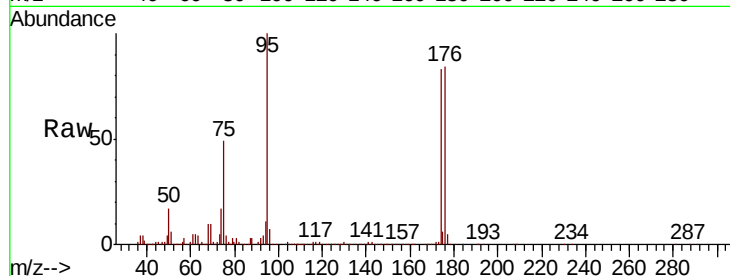
Tot Ion: 75 Resp: 224542

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

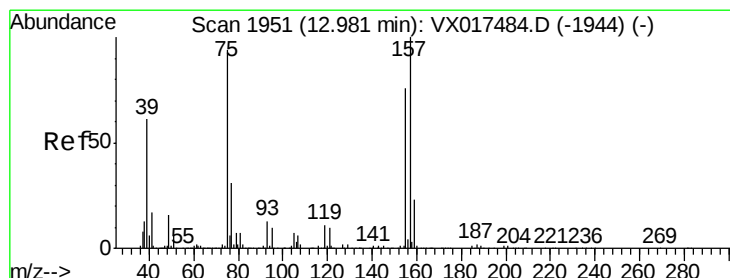
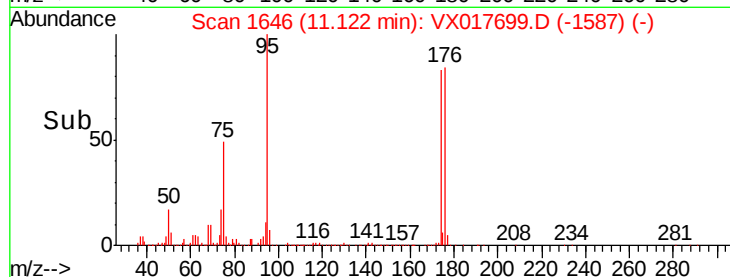
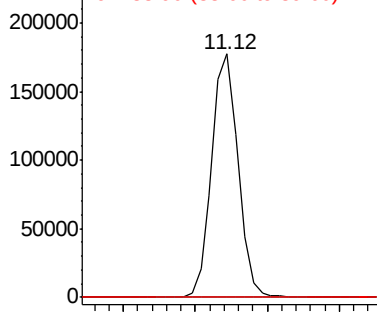
89 0.0 37.8 56.6#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.615 ug/l

RT: 12.98 min Scan# 1950

Delta R.T. -0.01 min

Lab File: VX017699.D

Acq: 31 Jul 2020 14:21

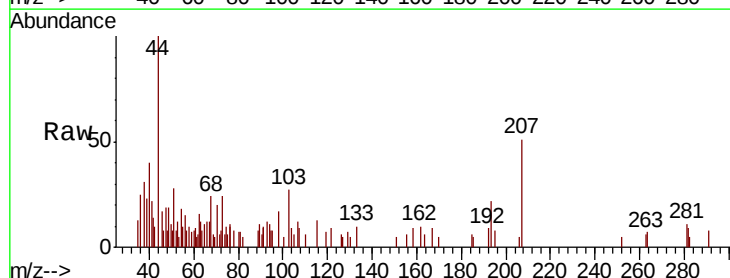
Tgt Ion: 75 Resp: 118

Ion Ratio Lower Upper

75 100

155 63.6 42.3 126.8

157 0.0 54.3 162.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

