

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080320\
 Data File : VX017752.D
 Acq On : 03 Aug 2020 18:03
 Operator : JC/SP
 Sample : L3536-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 JTY1-GW-TB

Quant Time: Aug 04 07:04:51 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	5.64	168	616360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	923651	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	868155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	427818	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	396718	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
35) Dibromofluoromethane	5.47	113	293123	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
50) Toluene-d8	8.70	98	1104604	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
62) 4-Bromofluorobenzene	11.12	95	409395	45.90	ug/l	0.00
Spiked Amount			Recovery	=	91.80%	

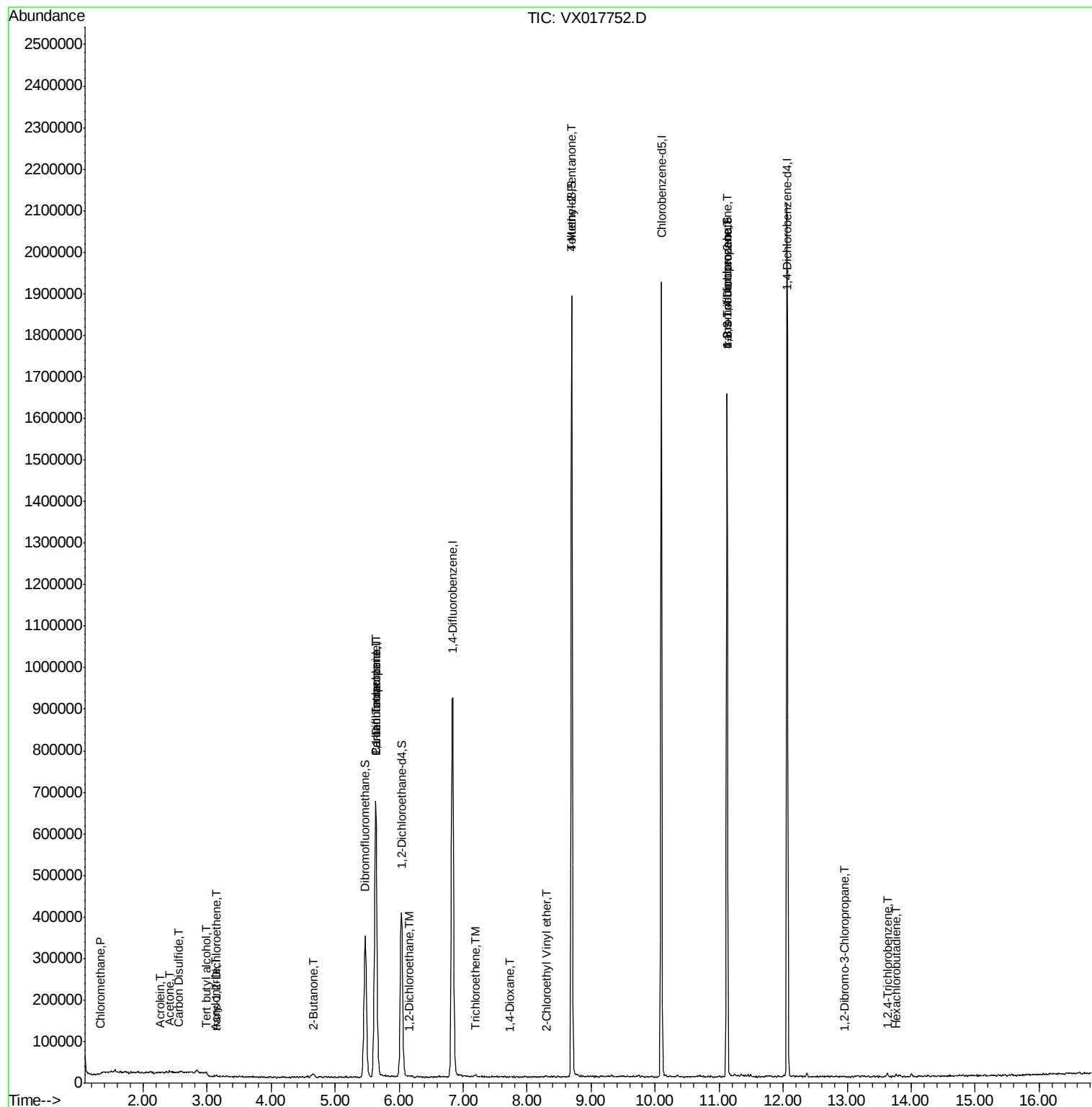
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	594	Below Cal		85
3) Chloromethane	1.32	50	290	0.405 ug/l #		62
5) Bromomethane	1.62	94	301	Below Cal #		3
6) Chloroethane	1.71	64	431	Below Cal #		44
8) Diethyl Ether	2.16	74	223	Below Cal		95
11) Tert butyl alcohol	3.00	59	855	0.512 ug/l #		1
13) Acrolein	2.28	56	443	4.491 ug/l #		53
15) Acrylonitrile	3.12	53	724	0.201 ug/l		88
16) Acetone	2.41	43	2898	0.832 ug/l		96
17) Carbon Disulfide	2.56	76	4020	0.208 ug/l #		74
20) Methylene Chloride	2.84	84	3028	Below Cal #		70
21) trans-1,2-Dichloroethene	3.15	96	1532	0.225 ug/l #		22
25) 2-Butanone	4.65	43	1125	0.227 ug/l		98
36) 1,1-Dichloropropene	5.63	75	47331	5.343 ug/l #		52
38) Carbon Tetrachloride	5.63	117	64128	5.961 ug/l #		16
42) 1,2-Dichloroethane	6.17	62	2146	0.207 ug/l		95
44) Trichloroethene	7.19	130	2487	0.335 ug/l		97
49) 1,4-Dioxane	7.73	88	165	1.086 ug/l #		22
51) 4-Methyl-2-Pentanone	8.70	43	5900	0.618 ug/l #		1
58) 2-Chloroethyl Vinyl ether	8.29	63	1137	0.211 ug/l		94
76) 1,2,3-Trichloropropane	11.12	75	208341	23.674 ug/l #		34
81) trans-1,4-Dichloro-2-buten	11.12	75	208341	59.653 ug/l #		11
92) 1,2-Dibromo-3-Chloropropan	12.95	75	312	2.691 ug/l #		1
93) 1,2,4-Trichlorobenzene	13.63	180	2045	0.216 ug/l		88
94) Hexachlorobutadiene	13.77	225	910	0.209 ug/l		85

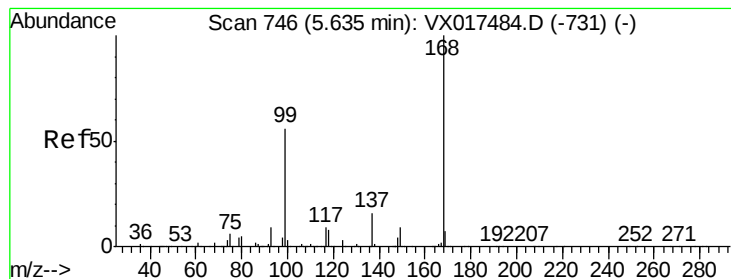
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017752.D

Acq: 03 Aug 2020 18:03

Instrument :

MSVOA_X

ClientSampled :

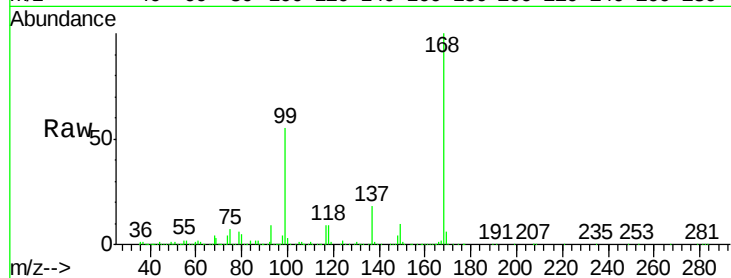
JTY1-GW-TB

Tot Ion:168 Resp: 616360

Ion Ratio Lower Upper

168 100

99 54.7 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

250000

200000

150000

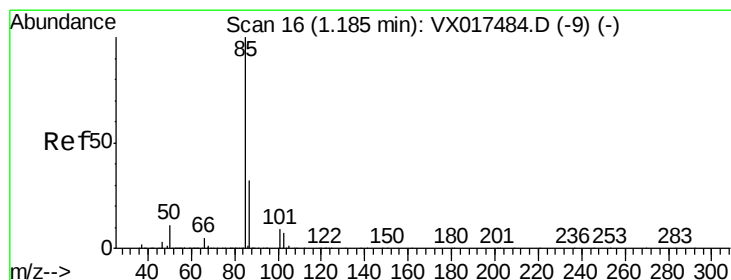
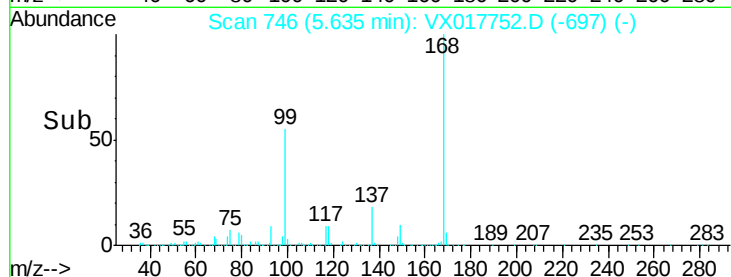
100000

50000

0

5.50 5.60 5.70

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017752.D

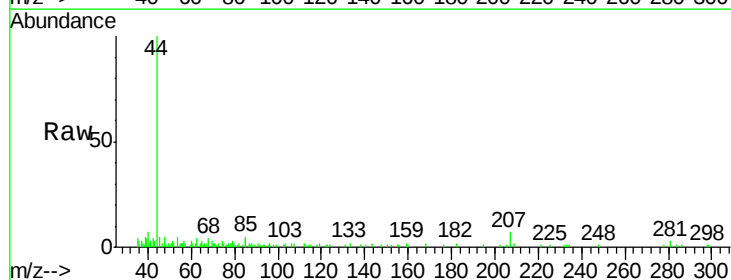
Acq: 03 Aug 2020 18:03

Tgt Ion: 85 Resp: 594

Ion Ratio Lower Upper

85 100

87 23.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

600

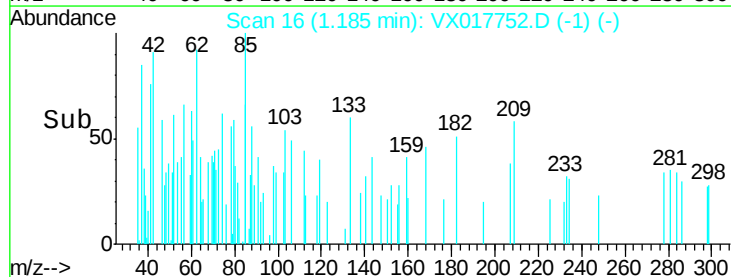
400

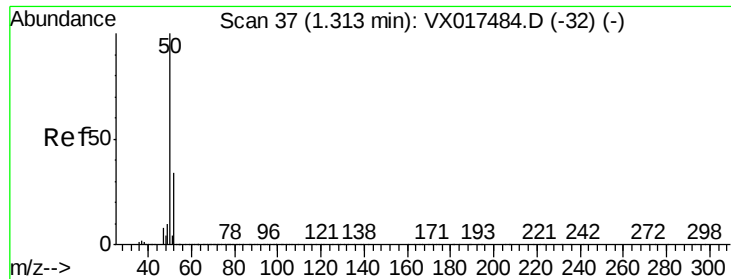
200

0

1.16 1.18 1.20

Time-->





#3

Chloromethane

Concen: 0.405 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017752.D

Acq: 03 Aug 2020 18:03

Instrument :

MSVOA_X

ClientSampleId :

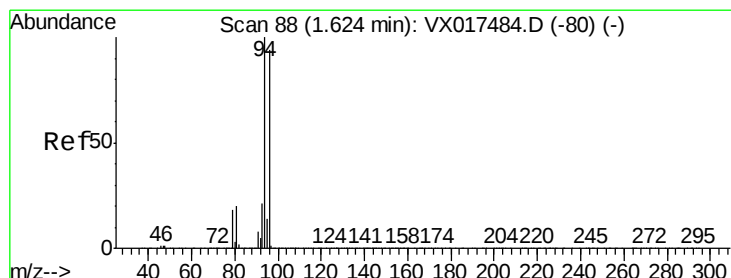
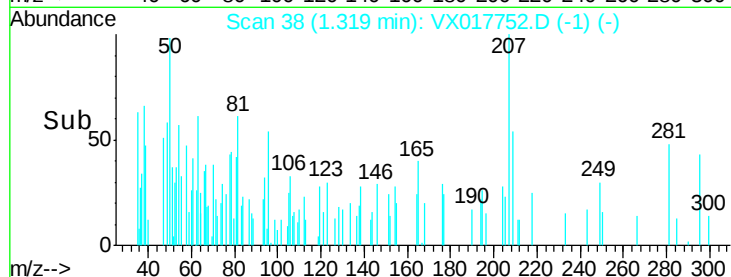
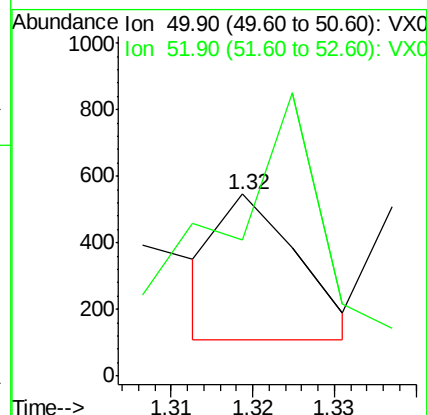
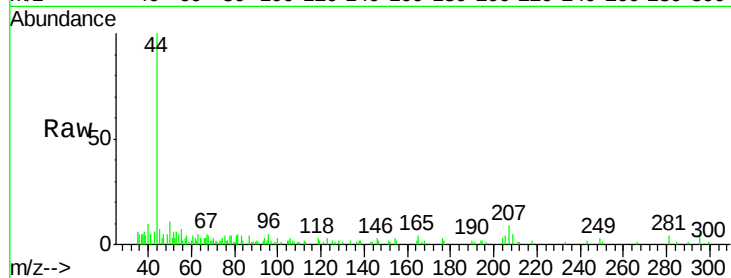
JTY1-GW-TB

Tot Ion: 50 Resp: 290

Ion Ratio Lower Upper

50 100

52 53.8 25.9 38.9#



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 87

Delta R.T. -0.01 min

Lab File: VX017752.D

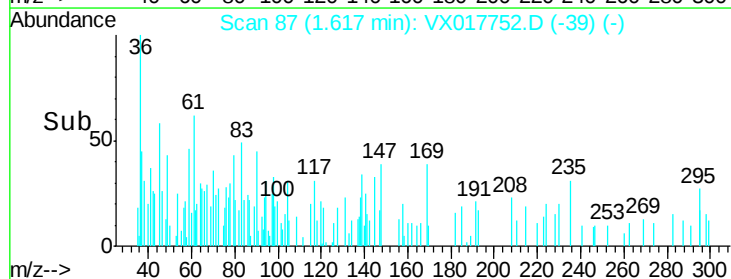
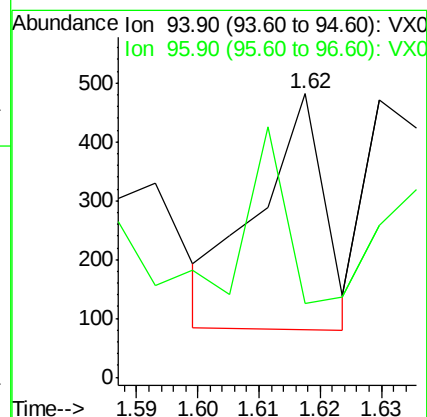
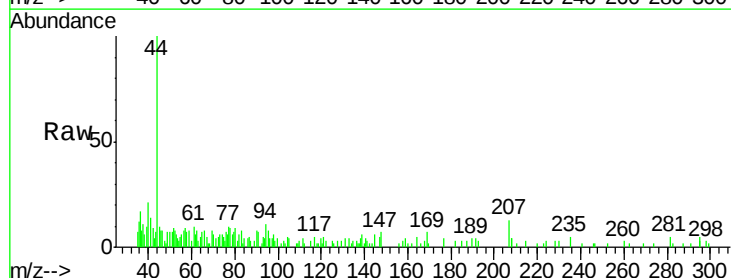
Acq: 03 Aug 2020 18:03

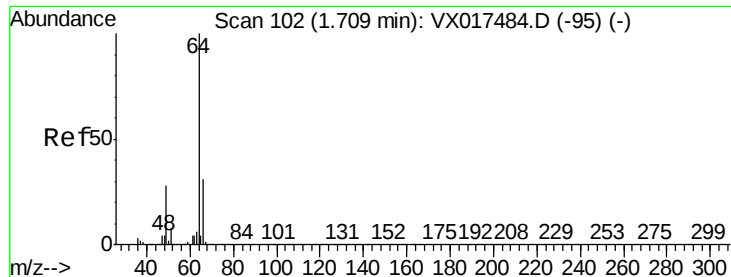
Tgt Ion: 94 Resp: 301

Ion Ratio Lower Upper

94 100

96 0.0 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 102

Delta R.T. -0.00 min

Lab File: VX017752.D

Acq: 03 Aug 2020 18:03

Instrument :

MSVOA_X

ClientSampled :

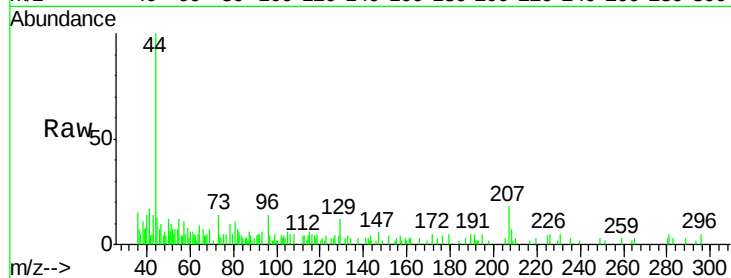
JTY1-GW-TB

Tot Ion: 64 Resp: 431

Ion Ratio Lower Upper

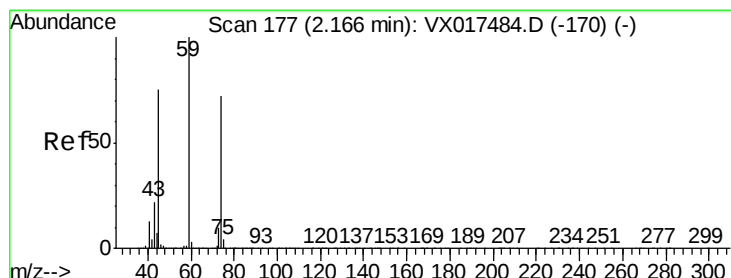
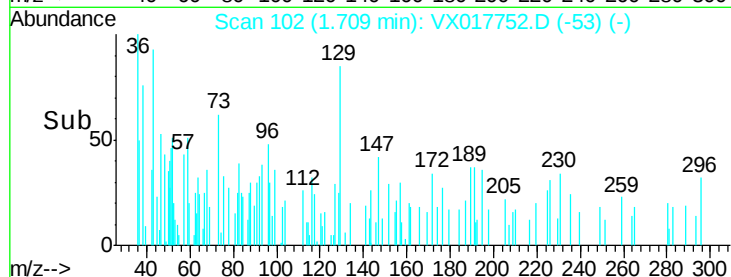
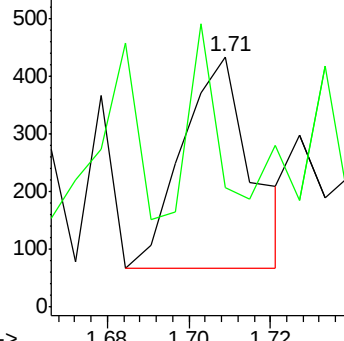
64 100

66 0.0 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VX017752.D

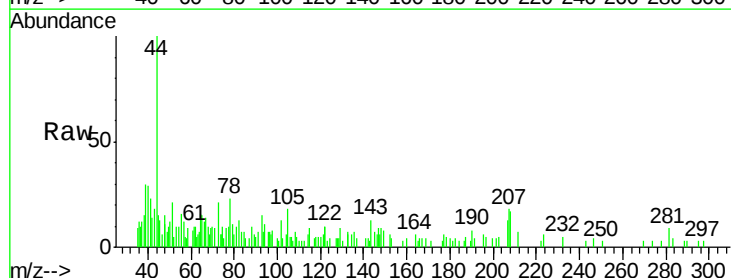
Acq: 03 Aug 2020 18:03

Tgt Ion: 74 Resp: 223

Ion Ratio Lower Upper

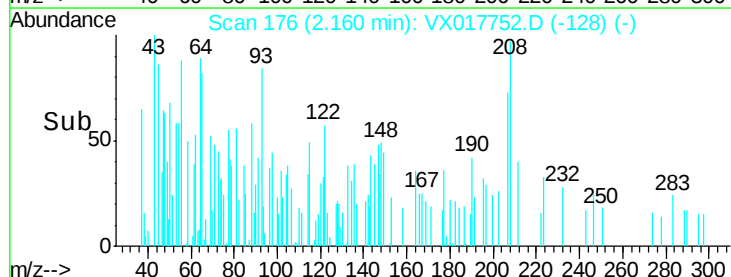
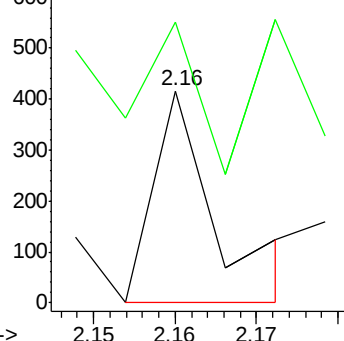
74 100

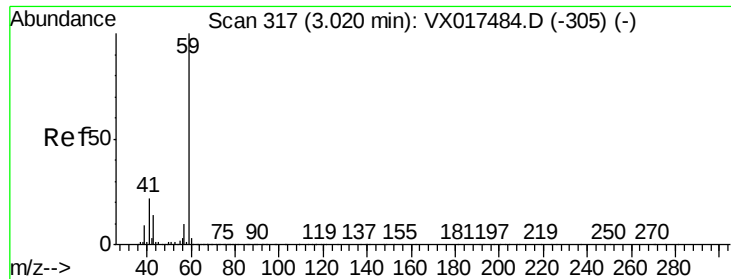
45 107.2 50.8 152.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



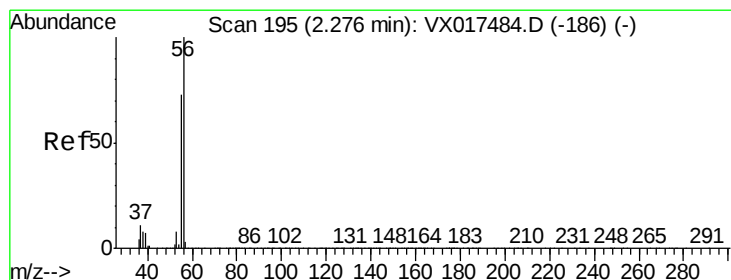
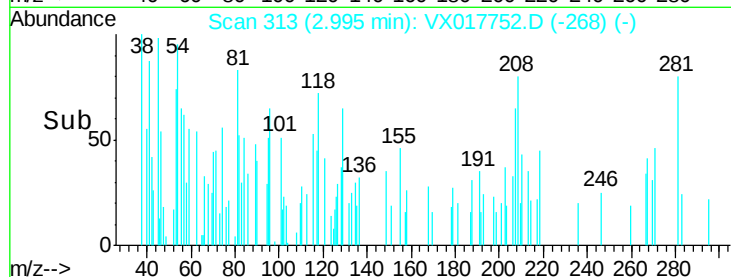
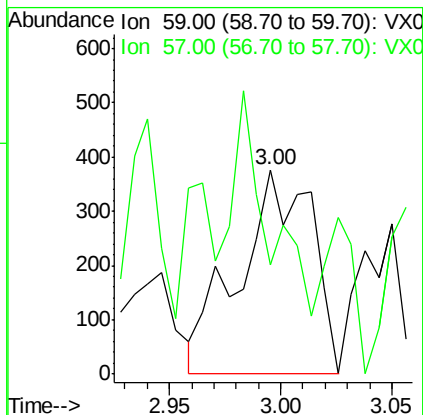
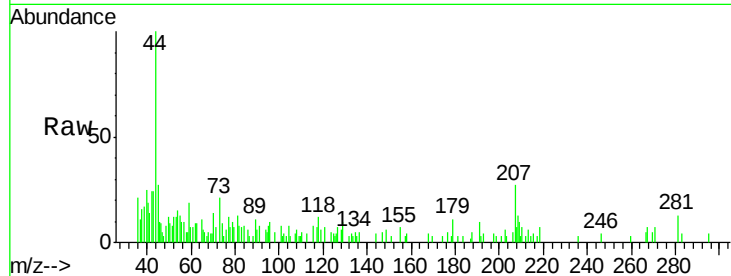


#11

Tert butvl alcohol
Concen: 0.512 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX017752.D
Acq: 03 Aug 2020 18:03

Instrument :
MSVOA_X
ClientSampled :
JTY1-GW-TB

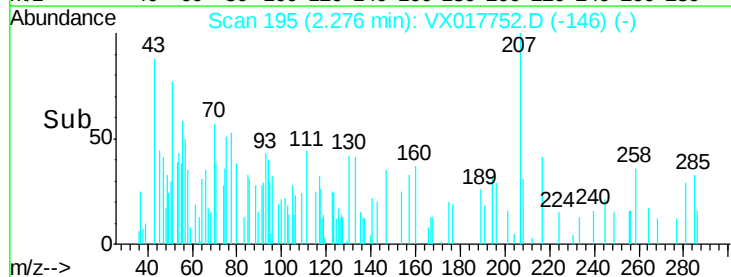
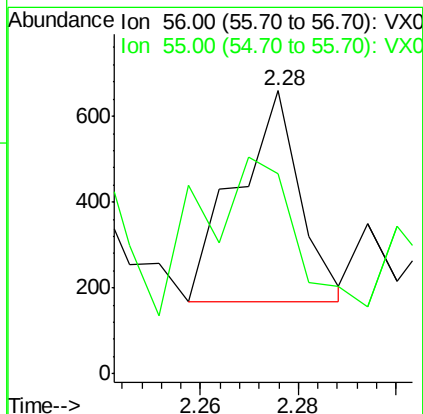
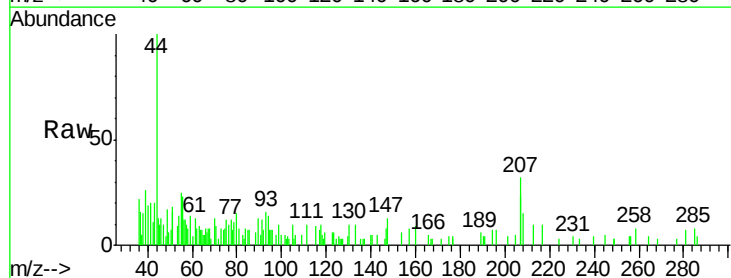
Tot Ion: 59 Resp: 855
Ion Ratio Lower Upper
59 100
57 51.5 8.6 12.8#

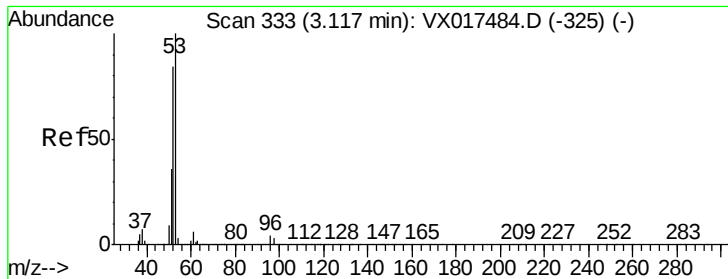


#13

Acrolein
Concen: 4.491 ug/l
RT: 2.28 min Scan# 195
Delta R.T. -0.00 min
Lab File: VX017752.D
Acq: 03 Aug 2020 18:03

Tgt Ion: 56 Resp: 443
Ion Ratio Lower Upper
56 100
55 111.1 57.4 86.2#





#15

Acrylonitrile

Concen: 0.201 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX017752.D

Acq: 03 Aug 2020 18:03

Instrument :

MSVOA_X

ClientSampled :

JTY1-GW-TB

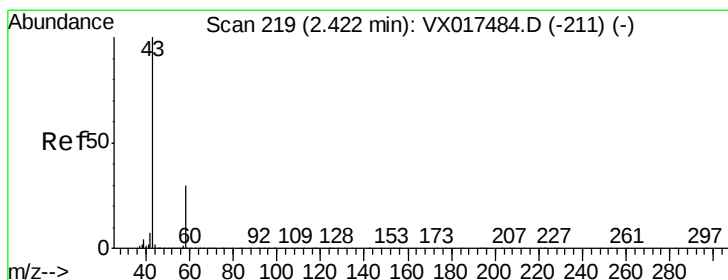
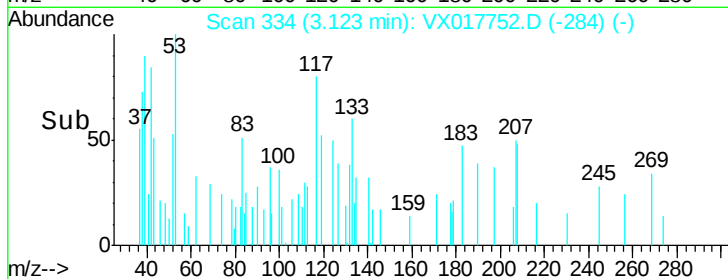
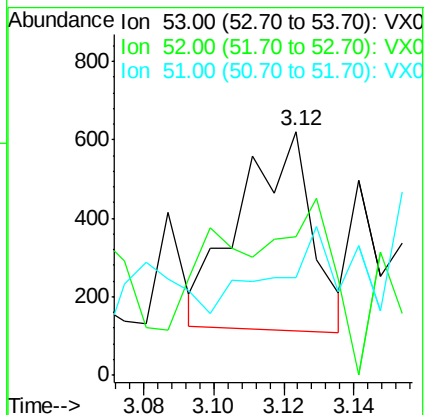
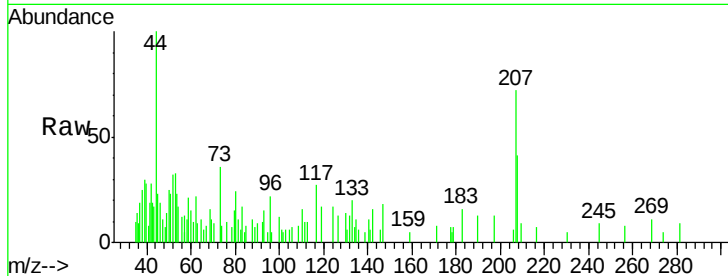
Tot Ion: 53 Resp: 724

Ion Ratio Lower Upper

53 100

52 70.6 66.6 99.8

51 31.6 29.4 44.2



#16

Acetone

Concen: 0.832 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX017752.D

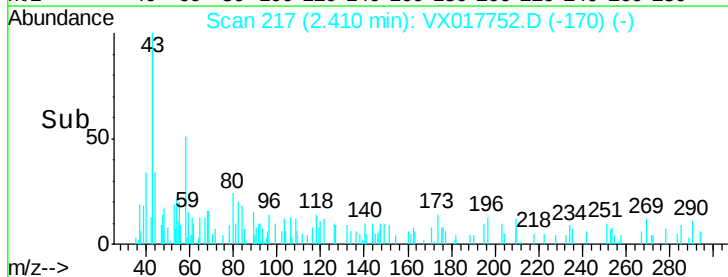
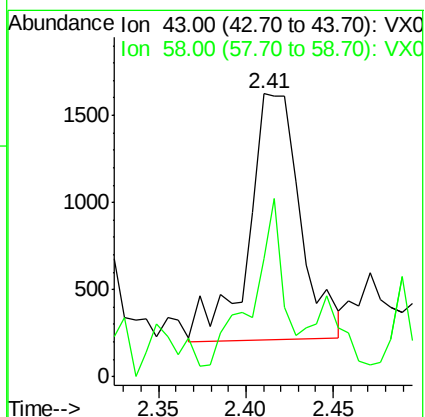
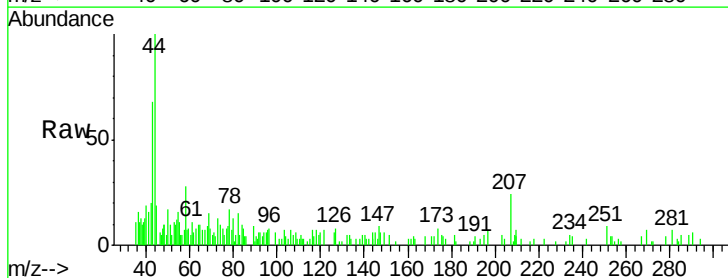
Acq: 03 Aug 2020 18:03

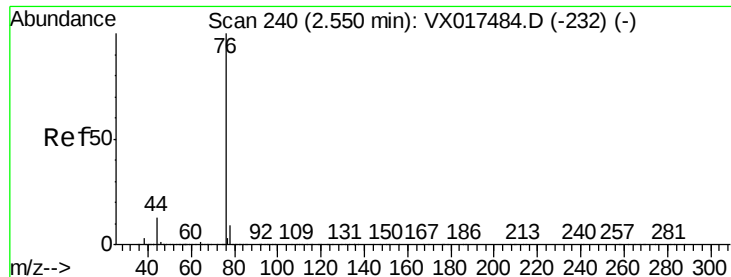
Tgt Ion: 43 Resp: 2898

Ion Ratio Lower Upper

43 100

58 32.3 24.2 36.4





#17

Carbon Disulfide

Concen: 0.208 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX017752.D

Acq: 03 Aug 2020 18:03

Instrument :

MSVOA_X

ClientSampleId :

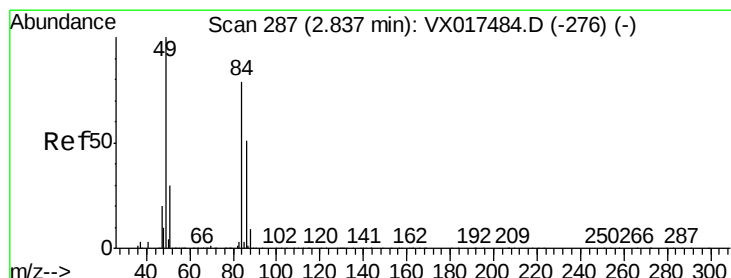
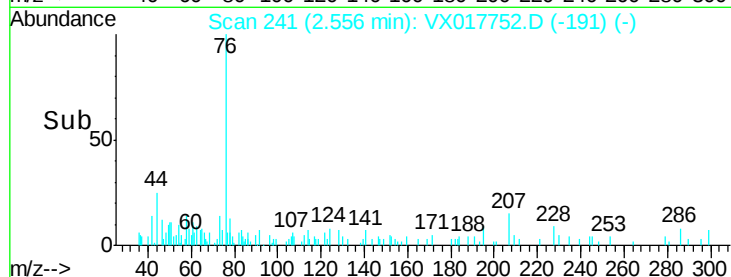
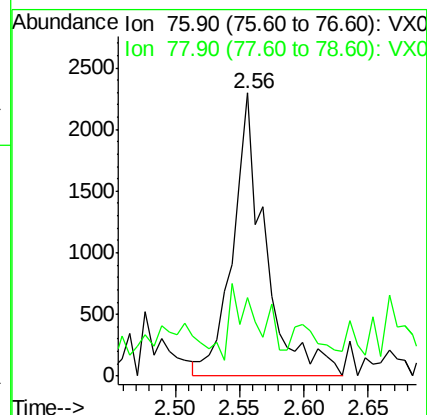
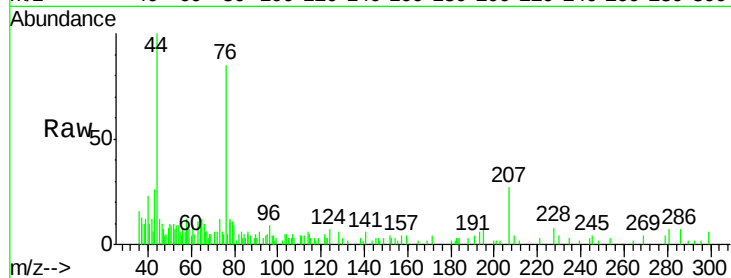
JTY1-GW-TB

Tot Ion: 76 Resp: 4020

Ion Ratio Lower Upper

76 100

78 18.9 7.5 11.3#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 288

Delta R.T. 0.01 min

Lab File: VX017752.D

Acq: 03 Aug 2020 18:03

Tgt Ion: 84 Resp: 3028

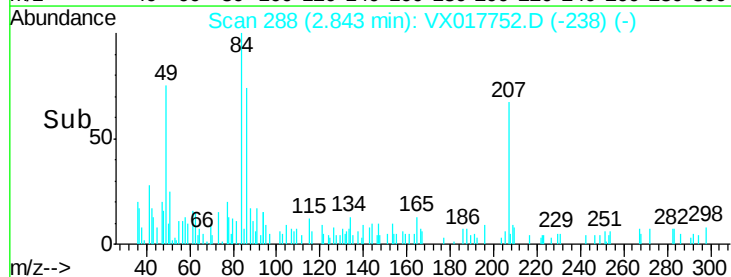
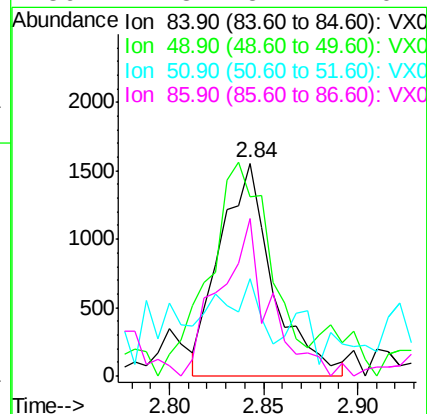
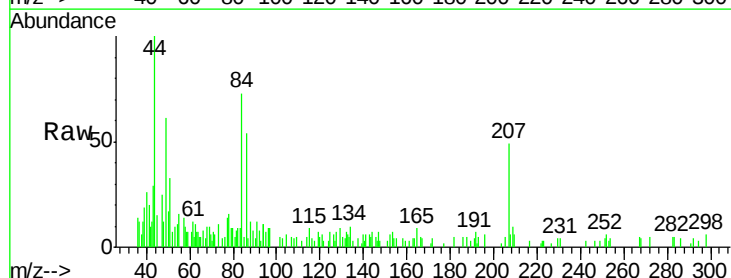
Ion Ratio Lower Upper

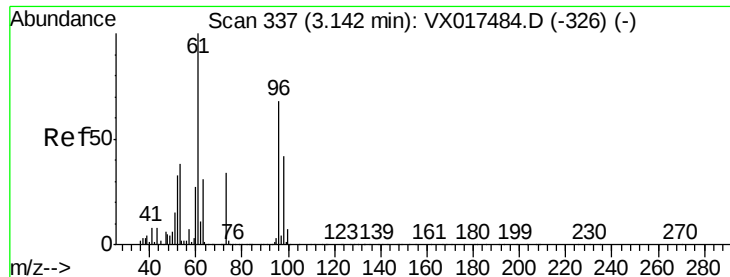
84 100

49 73.4 100.3 150.5#

51 32.6 30.5 45.7

86 72.8 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 0.225 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX017752.D

Acq: 03 Aug 2020 18:03

Instrument :

MSVOA_X

ClientSampled :

JTY1-GW-TB

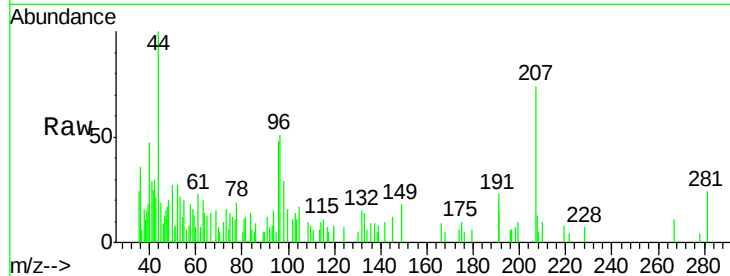
Tot Ion: 96 Resp: 1532

Ion Ratio Lower Upper

96 100

61 25.3 113.0 169.4#

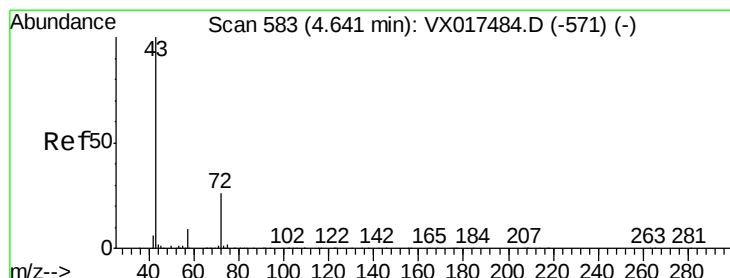
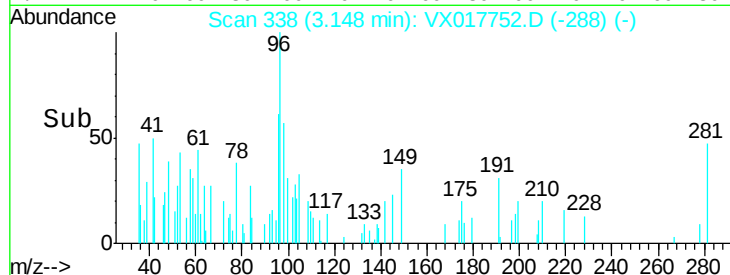
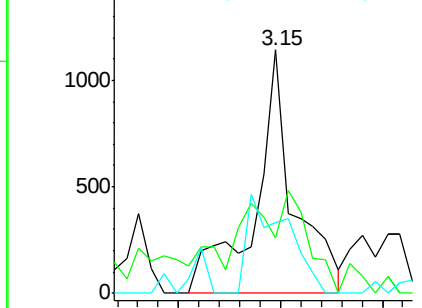
98 32.4 51.8 77.8#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 0.227 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.01 min

Lab File: VX017752.D

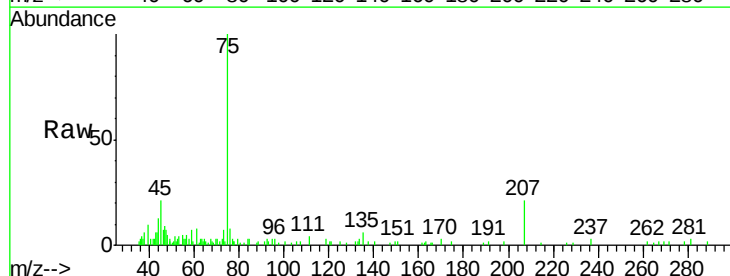
Acq: 03 Aug 2020 18:03

Tgt Ion: 43 Resp: 1125

Ion Ratio Lower Upper

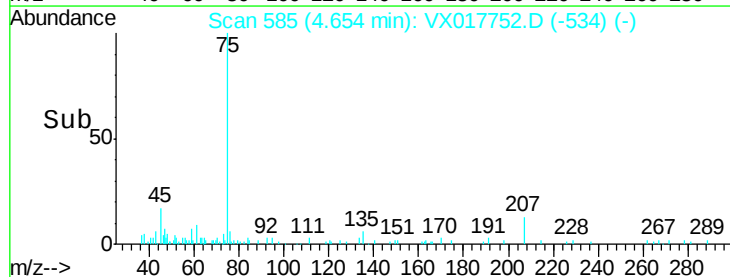
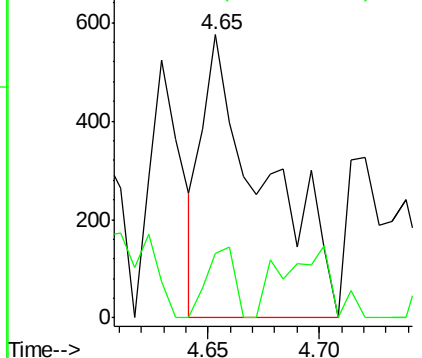
43 100

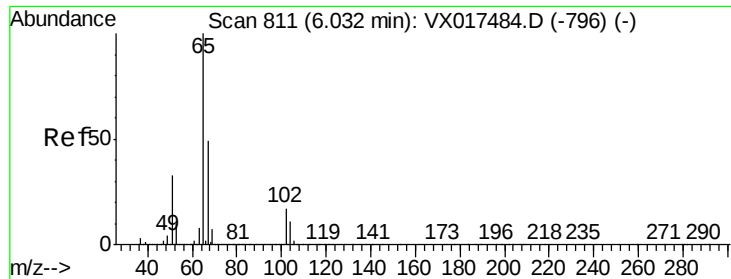
72 22.8 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.107 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017752.D

Acq: 03 Aug 2020 18:03

Instrument :

MSVOA_X

ClientSampleId :

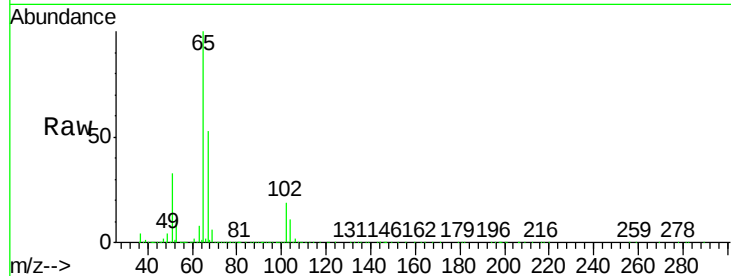
JTY1-GW-TB

Tot Ion: 65 Resp: 396718

Ion Ratio Lower Upper

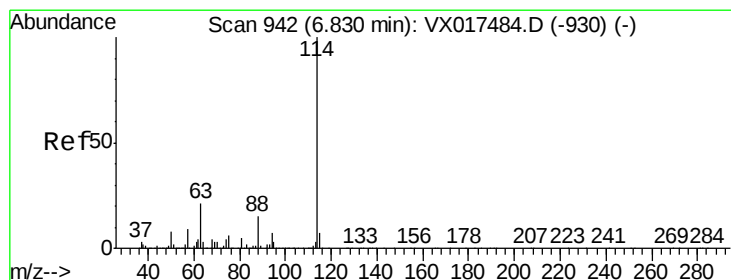
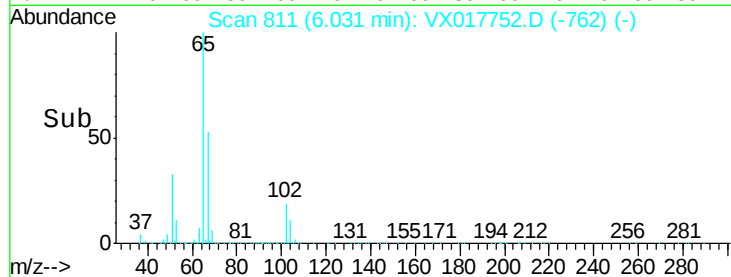
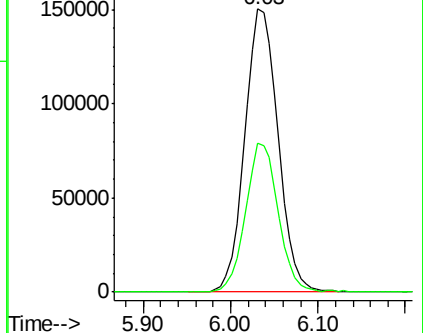
65 100

67 51.6 0.0 102.8



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: VX017752.D

Acq: 03 Aug 2020 18:03

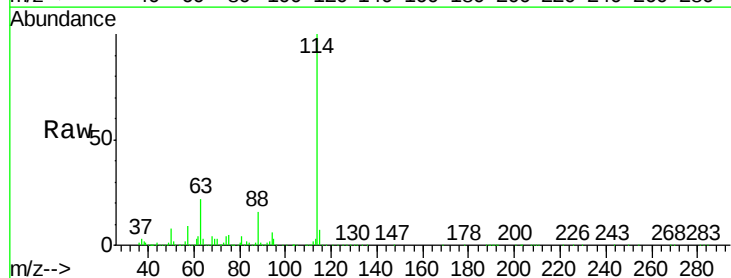
Tgt Ion: 114 Resp: 923651

Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.6

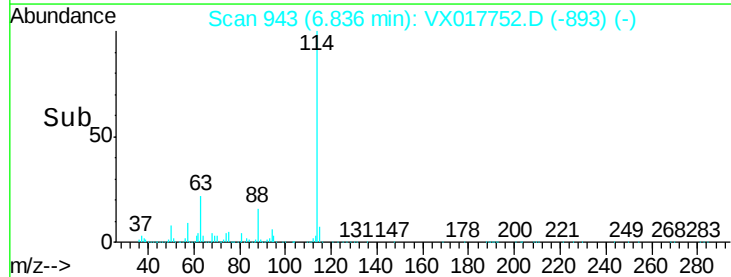
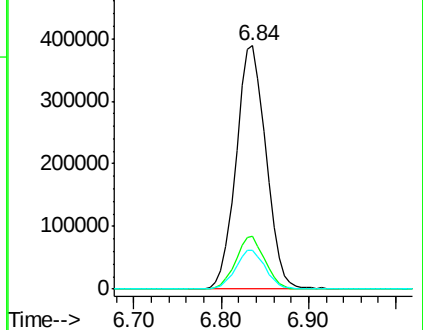
88 15.9 0.0 33.4

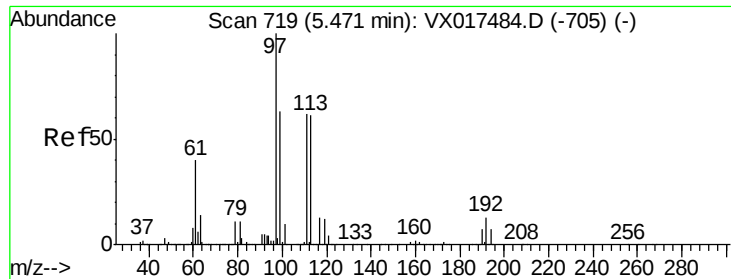


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

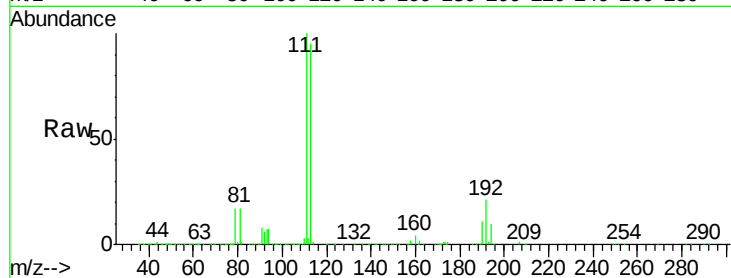




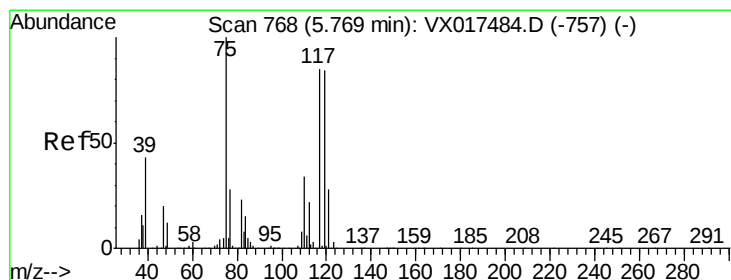
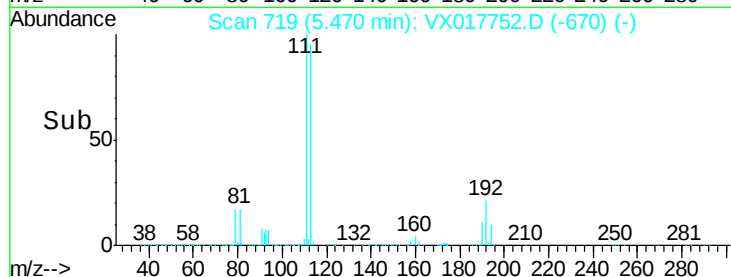
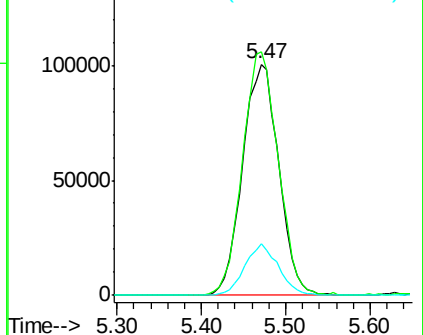
#35
Dibromofluoromethane
Concen: 47.451 ug/l
RT: 5.47 min Scan# 719
Delta R.T. -0.00 min
Lab File: VX017752.D
Acq: 03 Aug 2020 18:03

Instrument :
MSVOA_X
ClientSampled :
JTY1-GW-TB

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	80.7	121.1
192	20.8	16.9	25.3

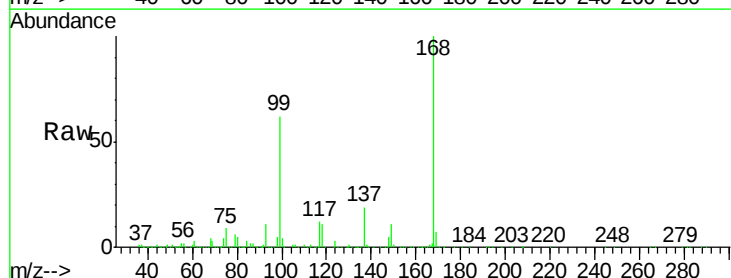


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

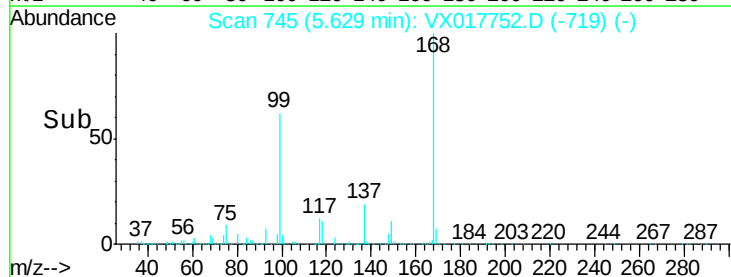
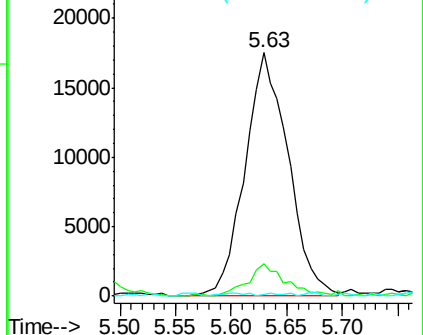


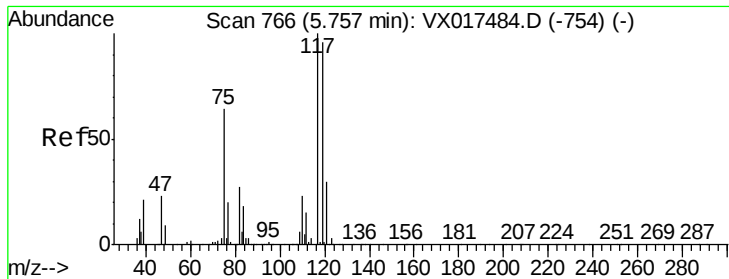
#36
1,1-Dichloropropene
Concen: 5.343 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.14 min
Lab File: VX017752.D
Acq: 03 Aug 2020 18:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.5	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: 5.961 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017752.D

Acq: 03 Aug 2020 18:03

Instrument :

MSVOA_X

ClientSampleId :

JTY1-GW-TB

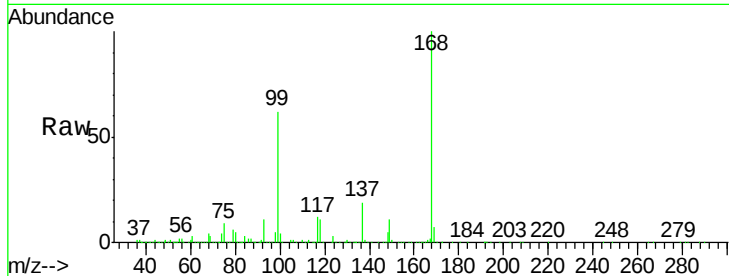
Tot Ion:117 Resp: 64128

Ion Ratio Lower Upper

117 100

119 3.8 75.4 113.0#

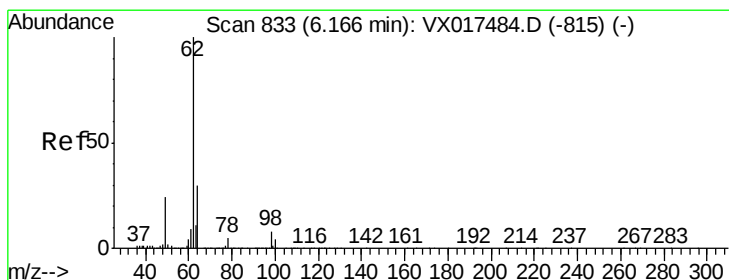
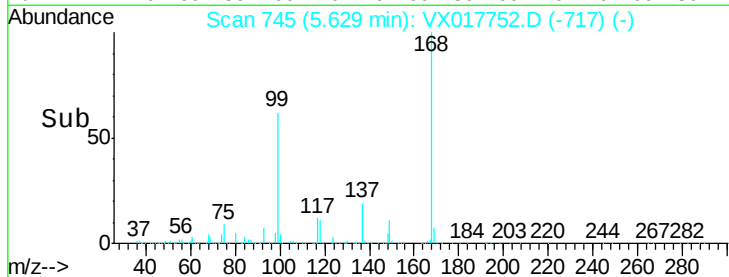
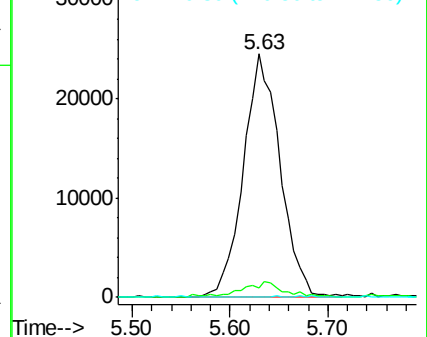
121 0.0 24.3 36.5#



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



#42

1,2-Dichloroethane

Concen: 0.207 ug/l

RT: 6.17 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX017752.D

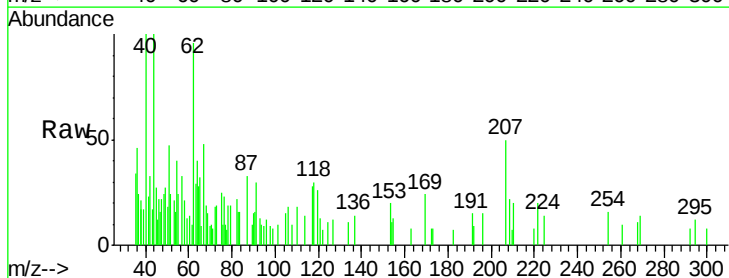
Acq: 03 Aug 2020 18:03

Tgt Ion: 62 Resp: 2146

Ion Ratio Lower Upper

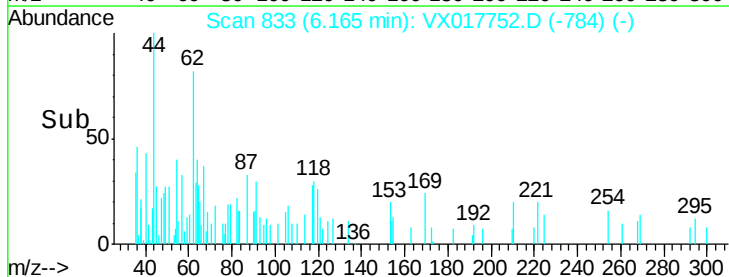
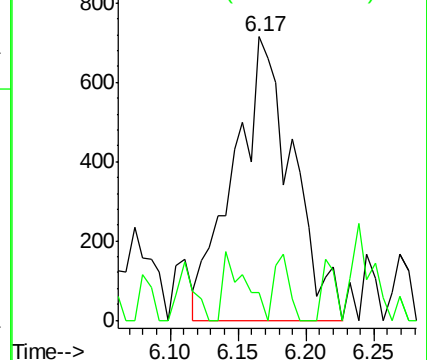
62 100

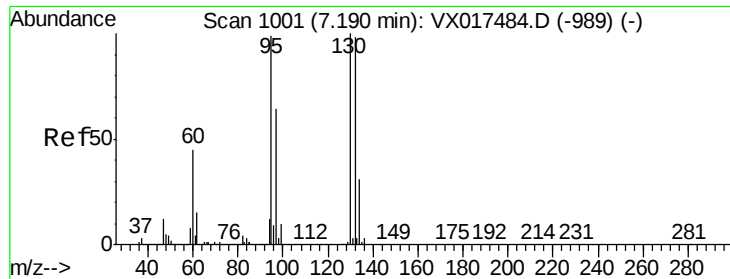
98 6.1 0.0 16.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#44

Trichloroethene

Concen: 0.335 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX017752.D

Acq: 03 Aug 2020 18:03

Instrument :

MSVOA_X

ClientSampleId :

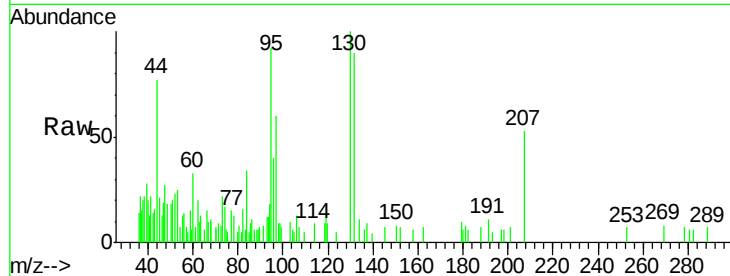
JTY1-GW-TB

Tot Ion:130 Resp: 2487

Ion Ratio Lower Upper

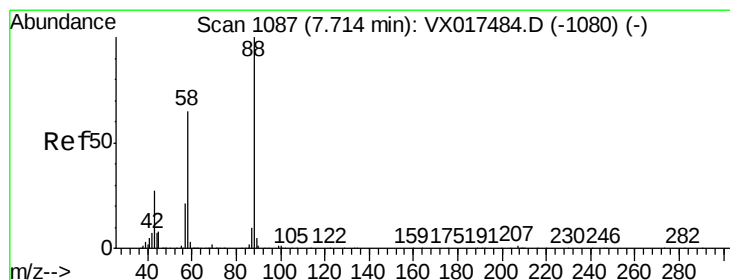
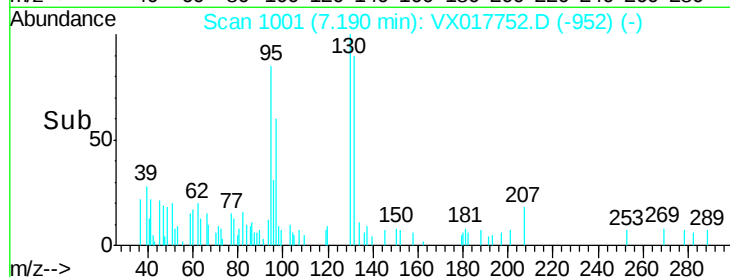
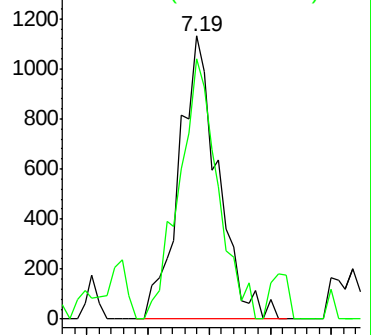
130 100

95 92.0 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 1.086 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX017752.D

Acq: 03 Aug 2020 18:03

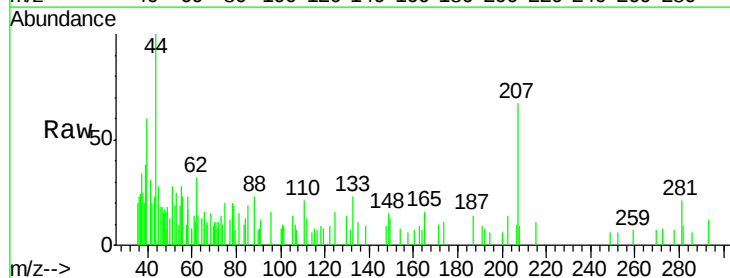
Tgt Ion: 88 Resp: 165

Ion Ratio Lower Upper

88 100

43 0.0 27.8 41.6#

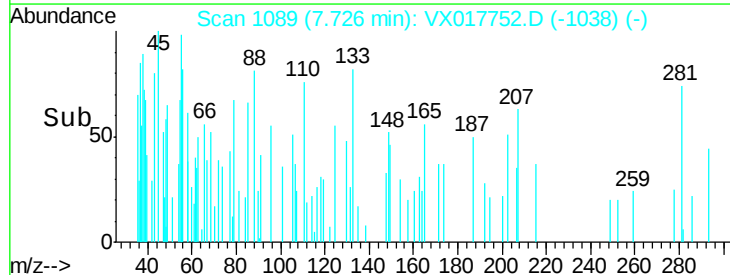
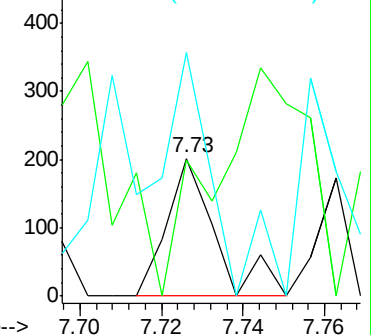
58 0.0 58.3 87.5#

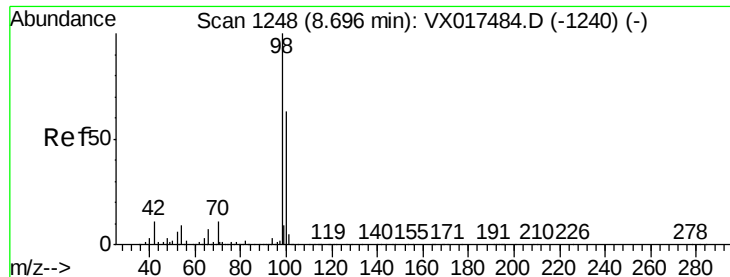


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.567 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017752.D

Acq: 03 Aug 2020 18:03

Instrument :

MSVOA_X

ClientSampleId :

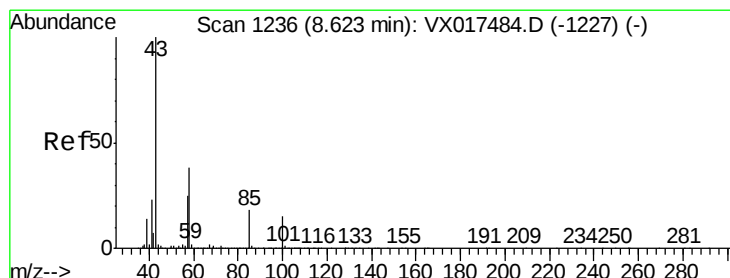
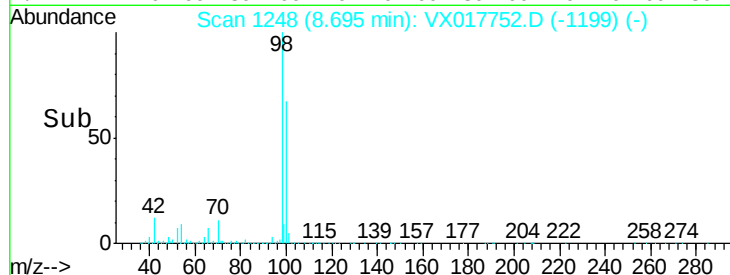
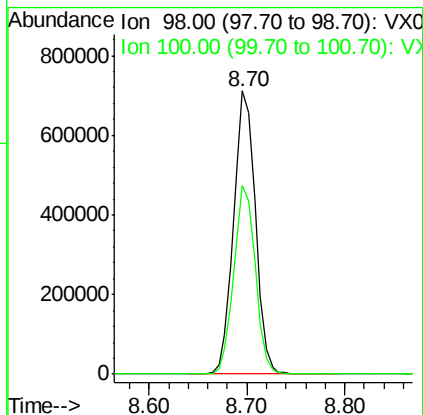
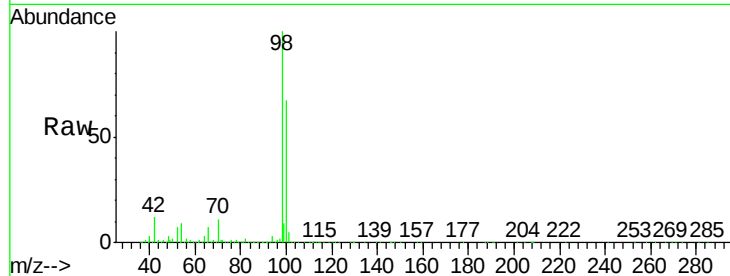
JTY1-GW-TB

Tot Ion: 98 Resp: 1104604

Ion Ratio Lower Upper

98 100

100 65.7 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 0.618 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.07 min

Lab File: VX017752.D

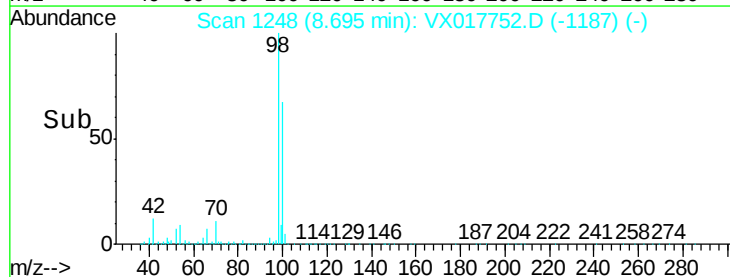
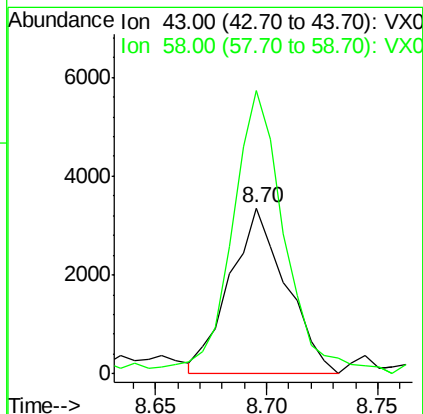
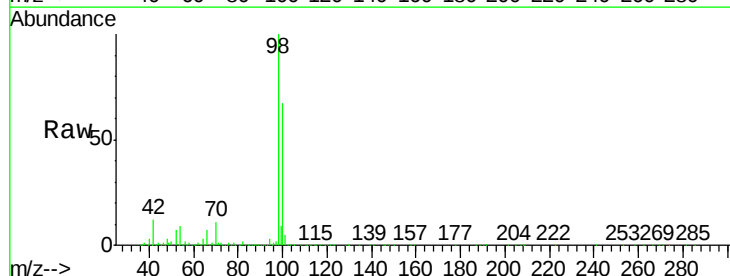
Acq: 03 Aug 2020 18:03

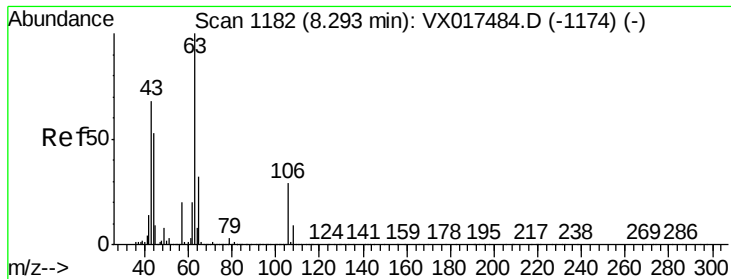
Tgt Ion: 43 Resp: 5900

Ion Ratio Lower Upper

43 100

58 159.7 31.0 46.4#

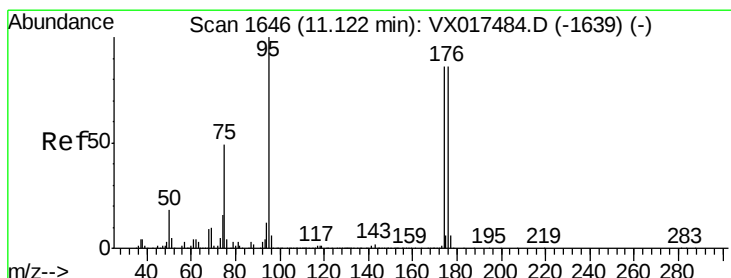
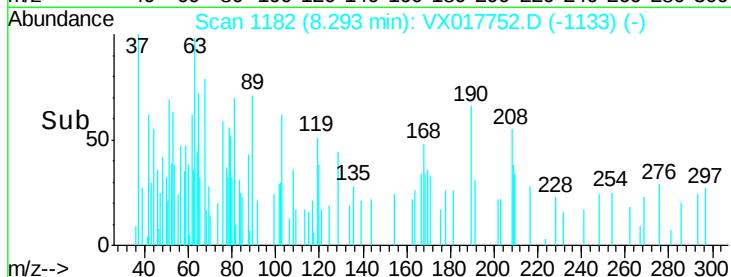
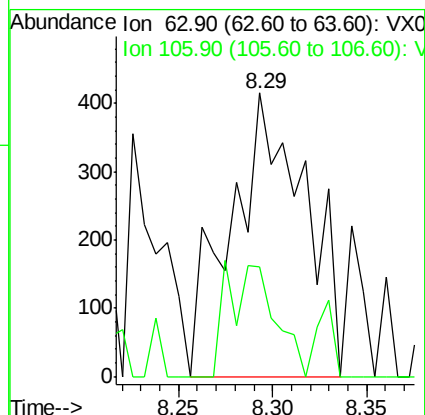
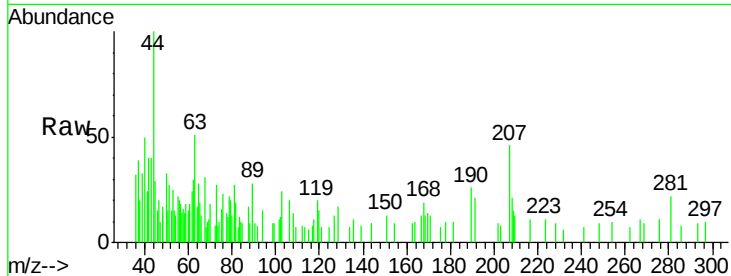




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.211 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VX017752.D
 Acq: 03 Aug 2020 18:03

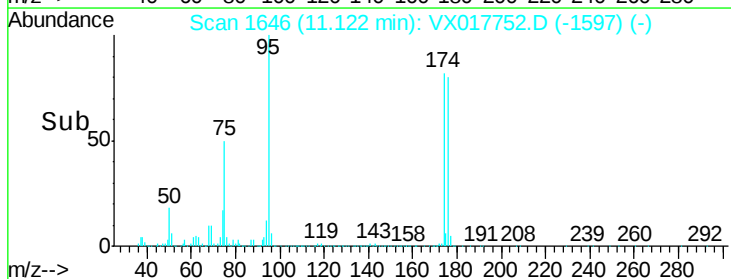
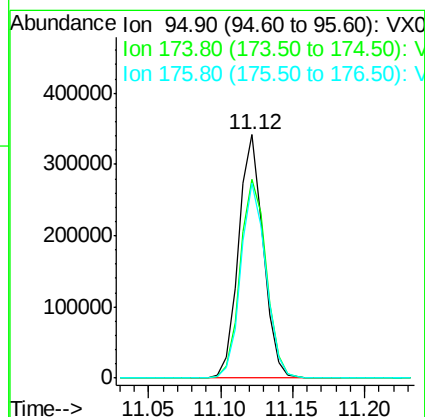
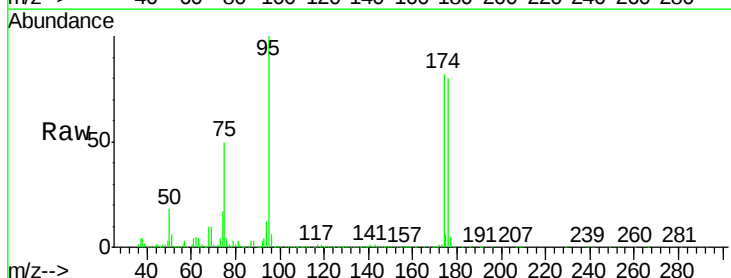
Instrument :
 MSVOA_X
 ClientSampleId :
 JTY1-GW-TB

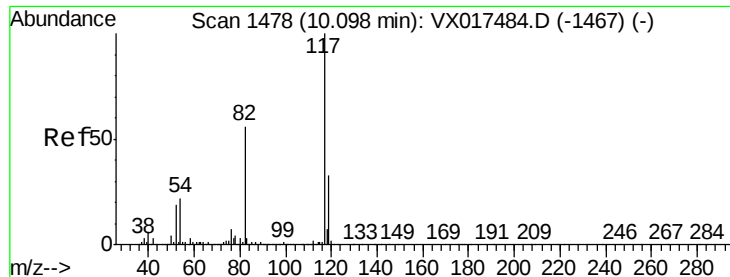
Tot Ion: 63 Resp: 1137
 Ion Ratio Lower Upper
 63 100
 106 25.2 22.6 34.0



#62
 4-Bromofluorobenzene
 Concen: 45.904 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX017752.D
 Acq: 03 Aug 2020 18:03

Tgt Ion: 95 Resp: 409395
 Ion Ratio Lower Upper
 95 100
 174 86.0 0.0 169.0
 176 81.3 0.0 161.0

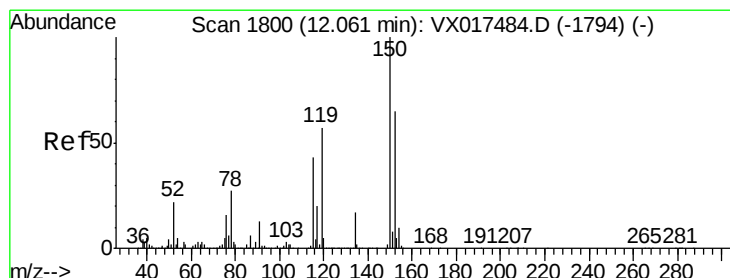
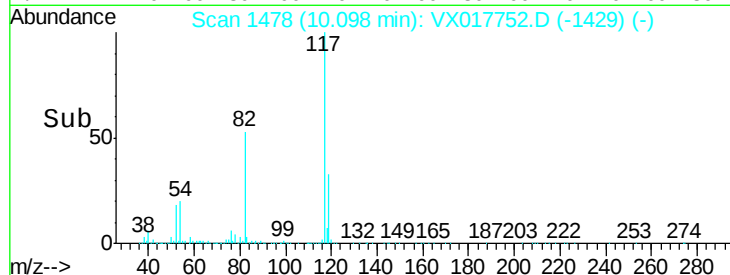
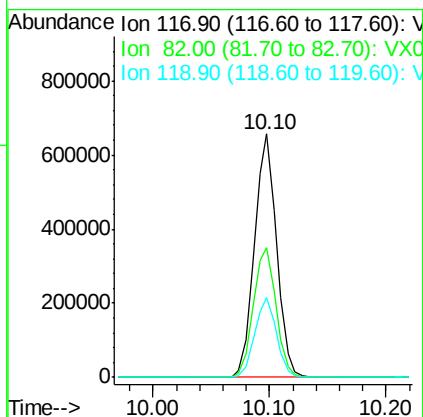
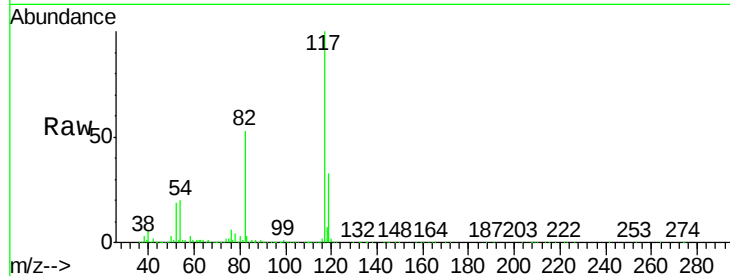




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017752.D
Acq: 03 Aug 2020 18:03

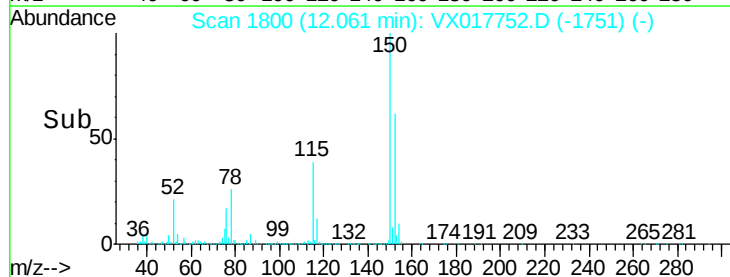
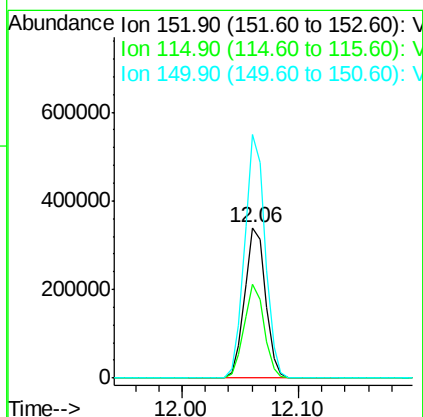
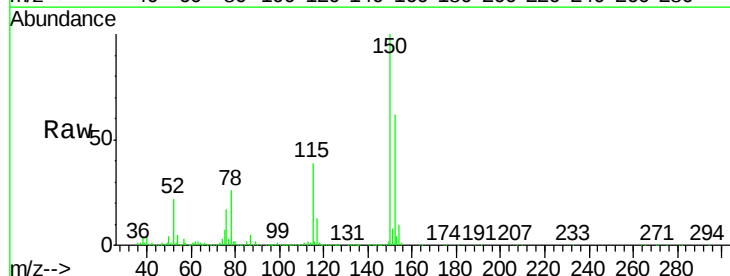
Instrument :
MSVOA_X
ClientSampleId :
JTY1-GW-TB

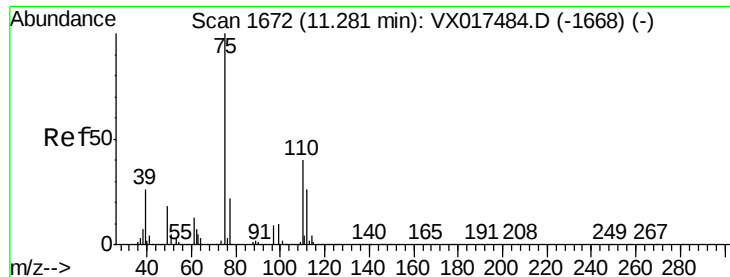
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	44.0	66.0
119	32.6	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017752.D
Acq: 03 Aug 2020 18:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	65.5	196.6#
150	158.1	0.0	412.6





#76

1,2,3-Trichloropropane

Concen: 23.674 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017752.D

Acq: 03 Aug 2020 18:03

Instrument :

MSVOA_X

ClientSampleId :

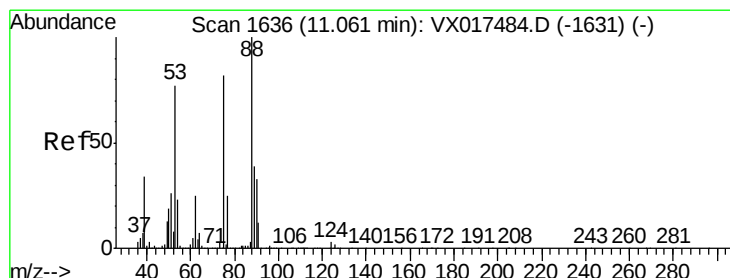
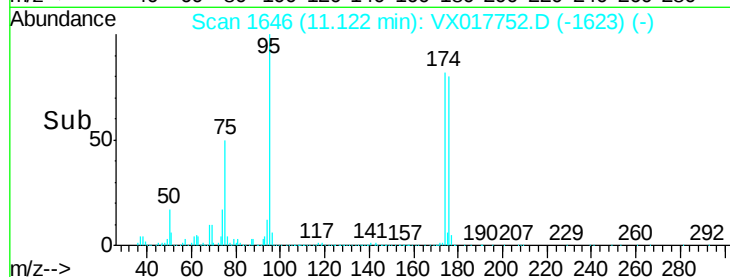
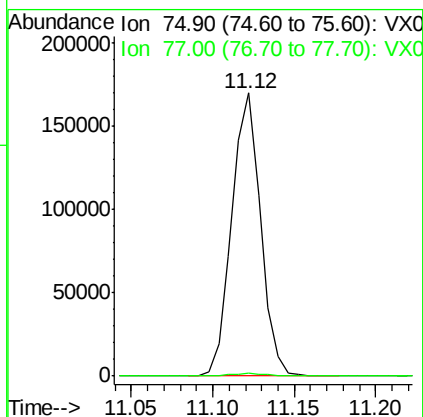
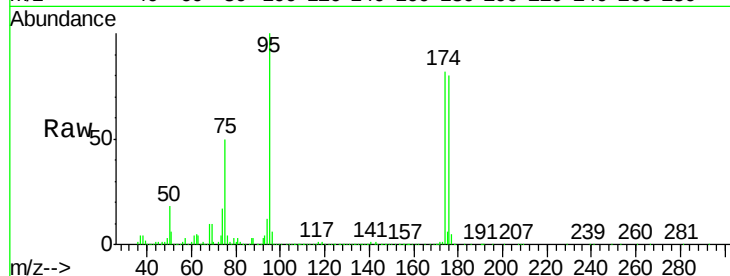
JTY1-GW-TB

Tot Ion: 75 Resp: 208341

Ion Ratio Lower Upper

75 100

77 1.3 21.8 65.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.653 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017752.D

Acq: 03 Aug 2020 18:03

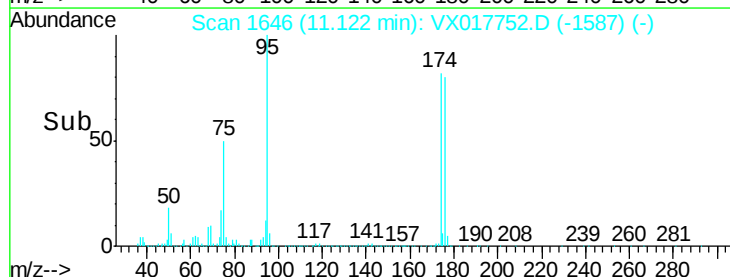
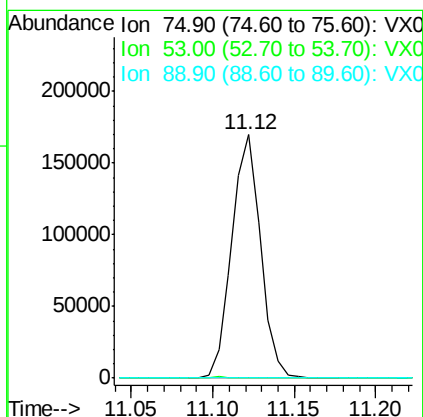
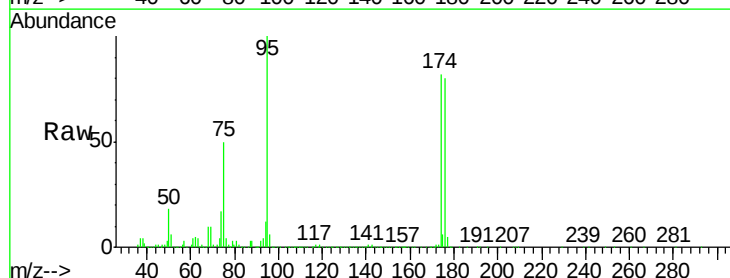
Tgt Ion: 75 Resp: 208341

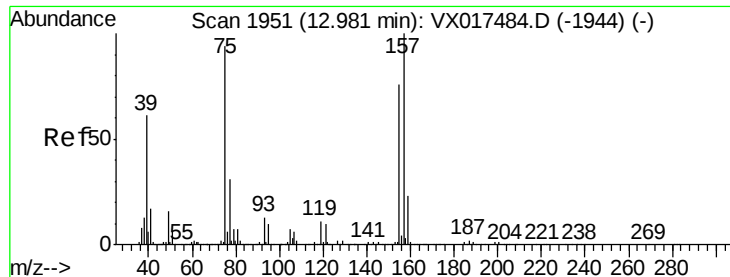
Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

89 0.1 37.8 56.6#

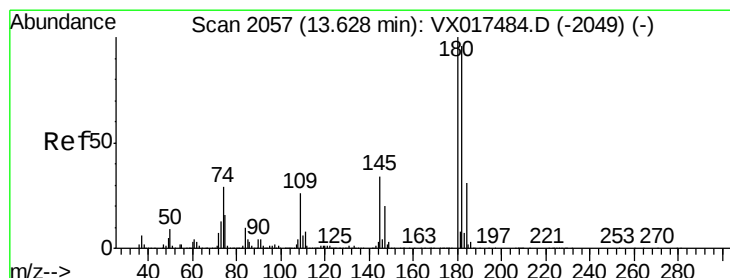
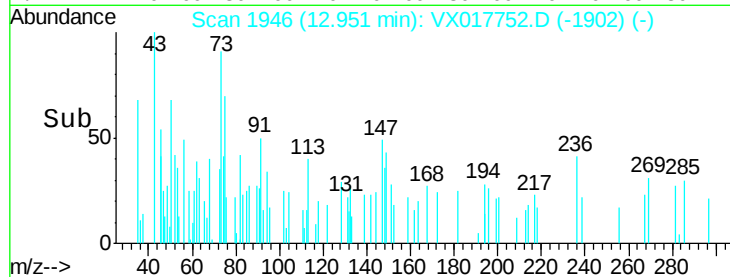
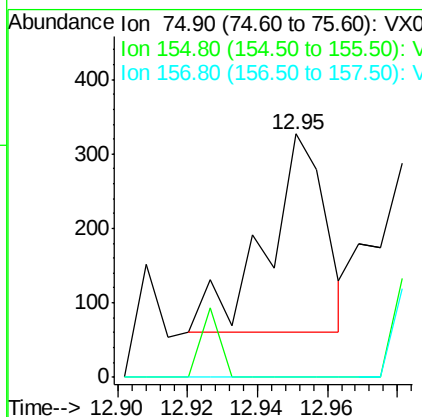
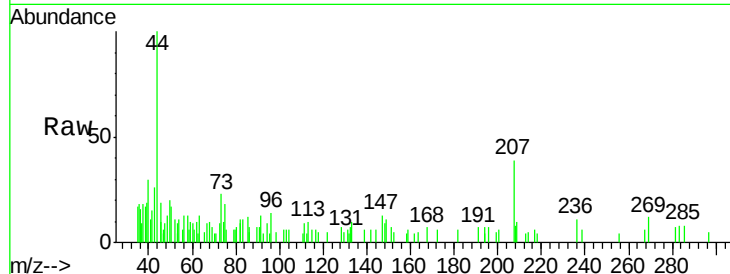




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.691 ug/l
 RT: 12.95 min Scan# 1946
 Delta R.T. -0.03 min
 Lab File: VX017752.D
 Acq: 03 Aug 2020 18:03

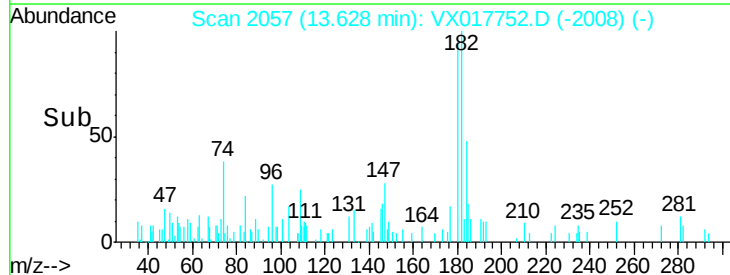
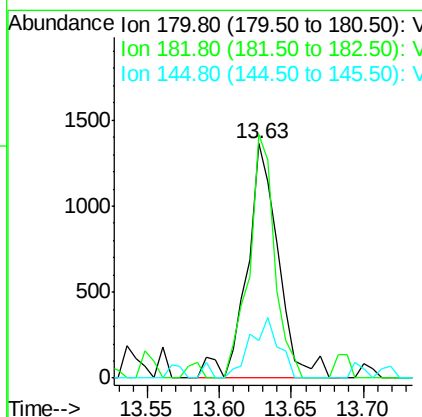
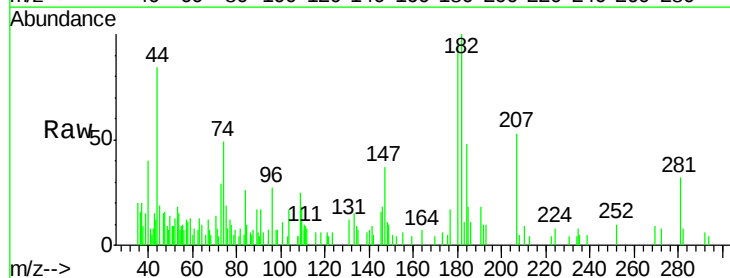
Instrument :
 MSVOA_X
 ClientSampled :
 JTY1-GW-TB

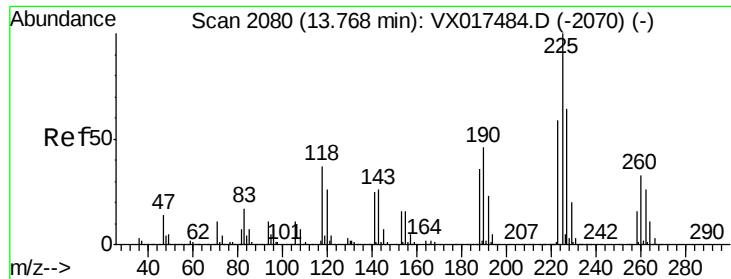
Tot Ion	Ratio	Lower	Upper
75	100		
155	0.0	42.3	126.8#
157	0.0	54.3	162.9#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.216 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX017752.D
 Acq: 03 Aug 2020 18:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	84.5	47.5	142.6
145	23.1	15.4	46.4





#94

Hexachlorobutadiene

Concen: 0.209 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX017752.D

Acq: 03 Aug 2020 18:03

Instrument :

MSVOA_X

ClientSampleId :

JTY1-GW-TB

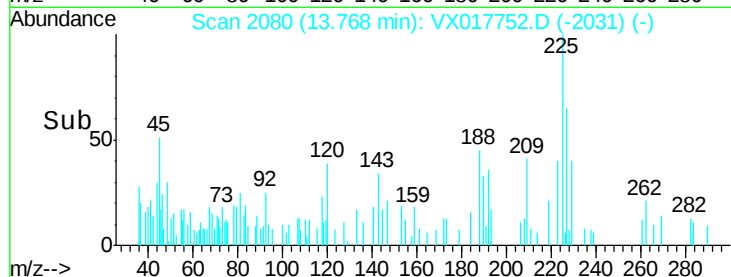
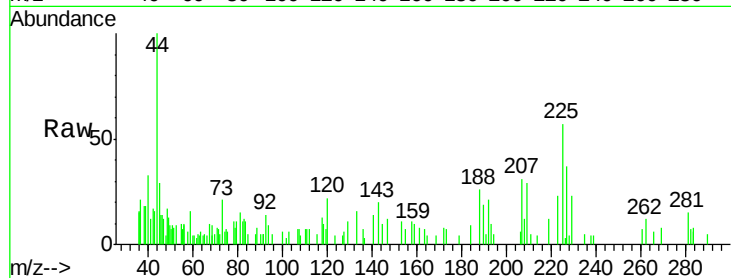
Tot Ion:225 Resp: 910

Ion Ratio Lower Upper

225 100

223 60.2 30.3 90.9

227 84.7 31.1 93.2



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

