

Data File : VX017280.D
Acq On : 09 Jul 2020 00:55
Operator : JC/SP
Sample : L3235-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WGGM-20-WW-TSF-022

Quant Time: Jul 09 05:01:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X062520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jun 26 09:03:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.99	128	50253	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	258449	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	247510	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.03	65	110745	28.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.37%
60) 4-Bromofluorobenzene	11.12	95	112403	27.23	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.77%
63) Toluene-d8	8.70	98	300918	27.58	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	91.93%

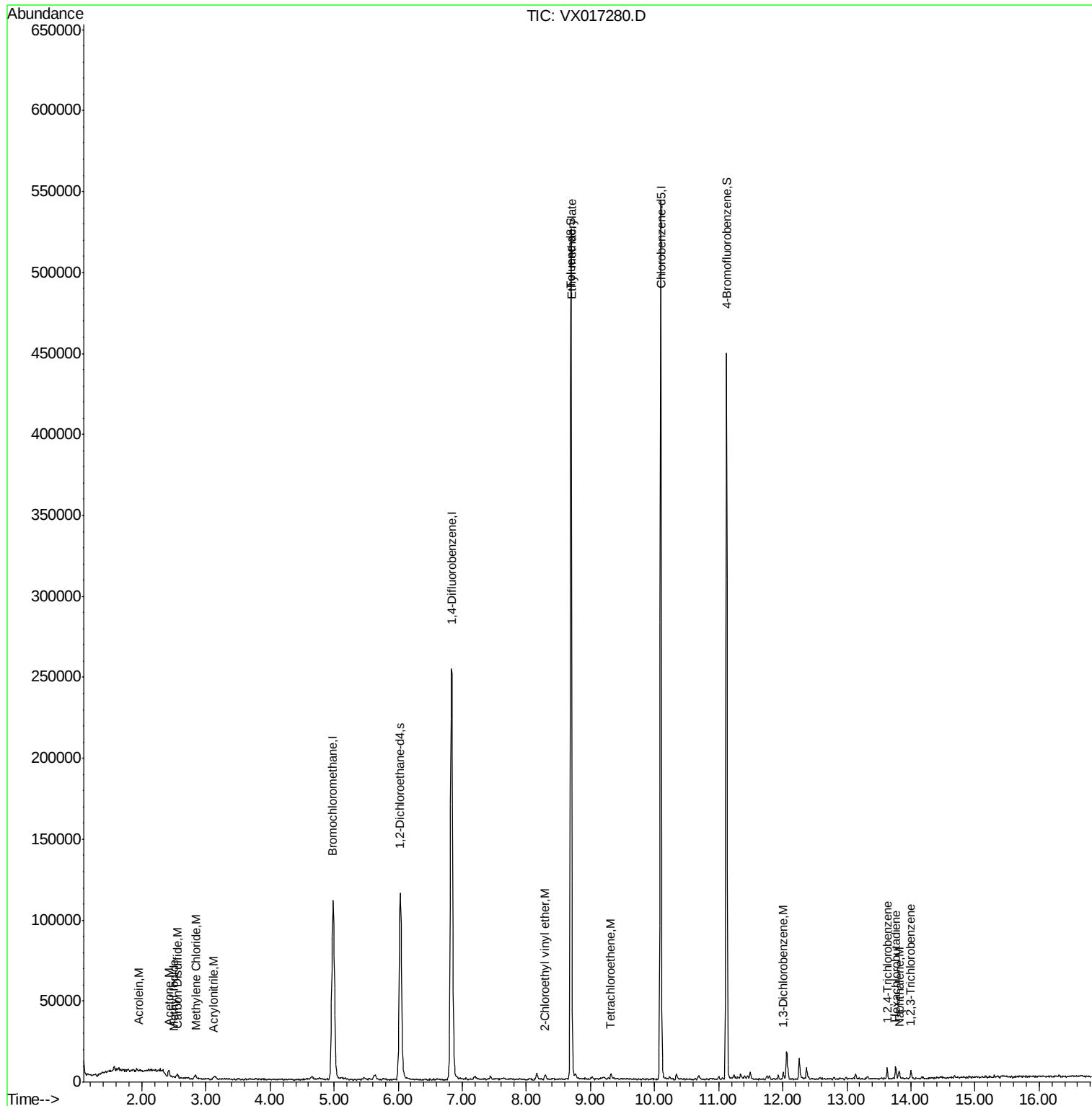
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Methyl Iodide	2.50	142	781	0.203	ug/l	79
13) Acrolein	1.96	56	117	0.204	ug/l	97
14) Acrylonitrile	3.12	53	671	0.390	ug/l	85
15) Acetone	2.42	58	1610	3.620	ug/l #	47
16) Carbon Disulfide	2.55	76	2718	0.301	ug/l	98
18) Methylene Chloride	2.84	84	867	0.250	ug/l #	69
51) Ethyl methacrylate	8.71	69	1232	0.261	ug/l	72
55) 2-Chloroethyl vinyl ether	8.29	63	1102	0.444	ug/l	96
61) Tetrachloroethene	9.32	164	758	0.240	ug/l #	55
83) 1,3-Dichlorobenzene	12.01	146	1396	0.209	ug/l	91
89) 1,2,4-Trichlorobenzene	13.63	180	1420	0.337	ug/l	94
90) Hexachlorobutadiene	13.76	225	858	0.535	ug/l	61
91) Naphthalene	13.82	128	3045	0.220	ug/l #	94
92) 1,2,3-Trichlorobenzene	14.01	180	1233	0.300	ug/l	82

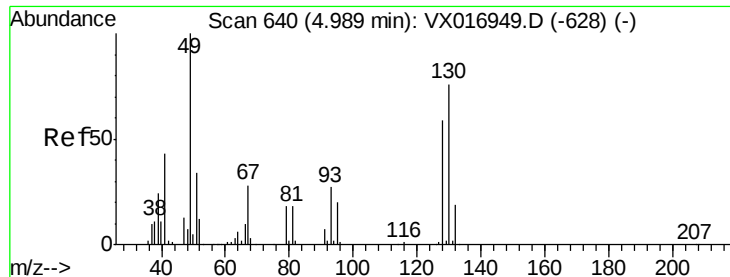
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VX017280.D
Acq On : 09 Jul 2020 00:55
Operator : JC/SP
Sample : L3235-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WGGM-20-WW-TSF-022

Quant Time: Jul 09 05:01:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X062520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jun 26 09:03:25 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.99 min Scan# 640

Delta R.T. 0.00 min

Lab File: VX017280.D

Acq: 09 Jul 2020 00:55

Instrument :

MSVOA_X

ClientSampleId :

WGGM-20-WW-TSF-022

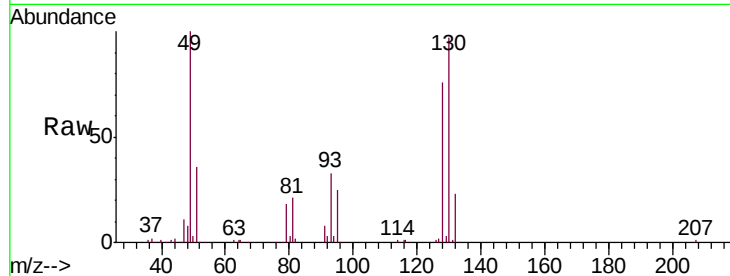
Tgt Ion:128 Resp: 50253

Ion Ratio Lower Upper

128 100

49 143.7 0.0 428.0

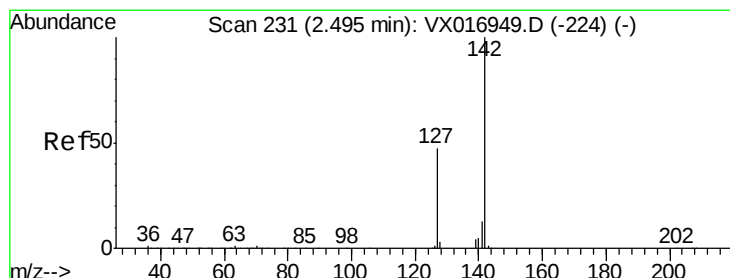
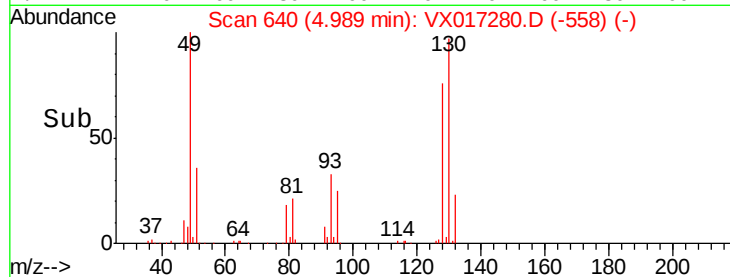
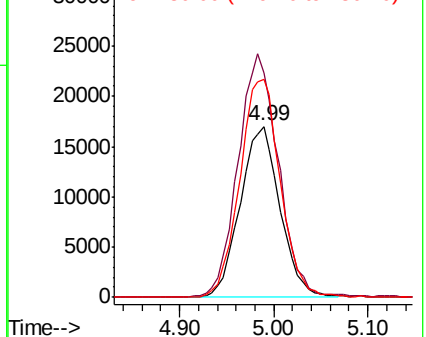
130 130.3 0.0 318.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#11

Methyl Iodide

Concen: 0.203 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX017280.D

Acq: 09 Jul 2020 00:55

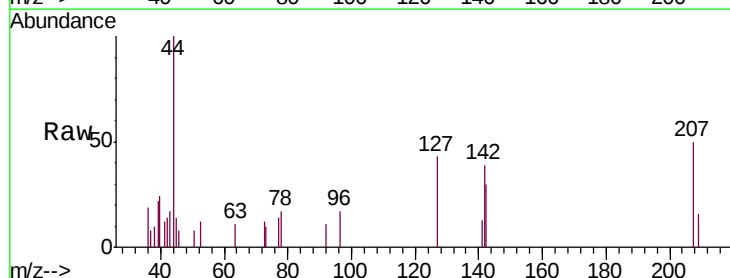
Tgt Ion:142 Resp: 781

Ion Ratio Lower Upper

142 100

127 61.6 23.3 69.9

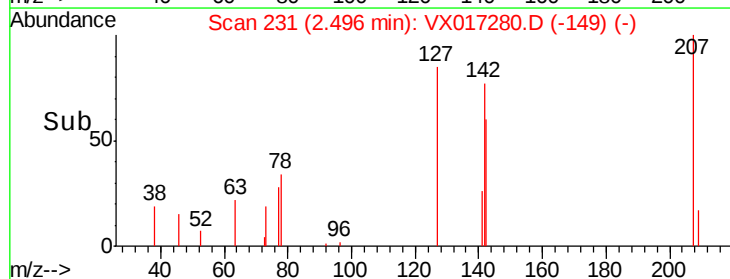
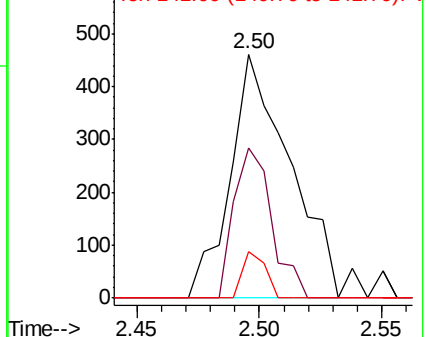
141 19.3 6.7 20.1

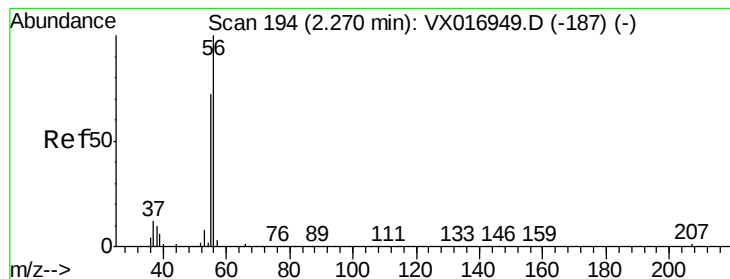


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#13

Acrolein

Concen: 0.204 ug/l

RT: 1.96 min Scan# 143

Delta R.T. -0.31 min

Lab File: VX017280.D

Acq: 09 Jul 2020 00:55

Instrument :

MSVOA_X

ClientSampleId :

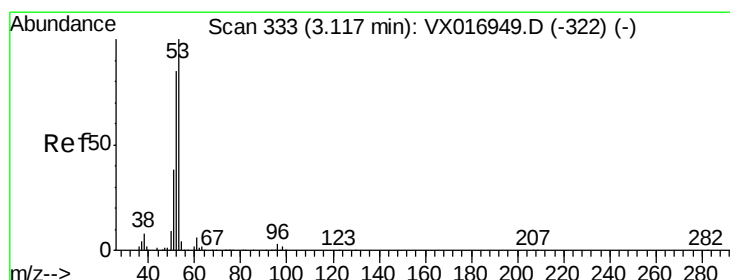
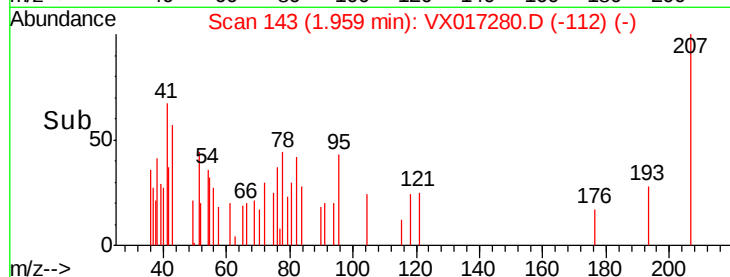
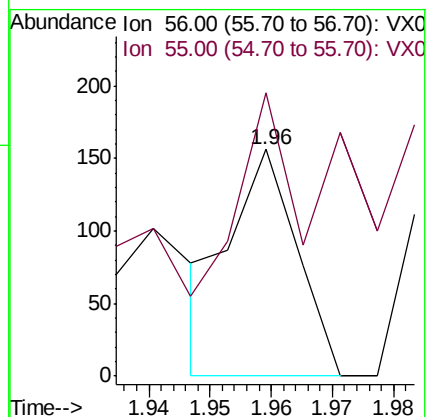
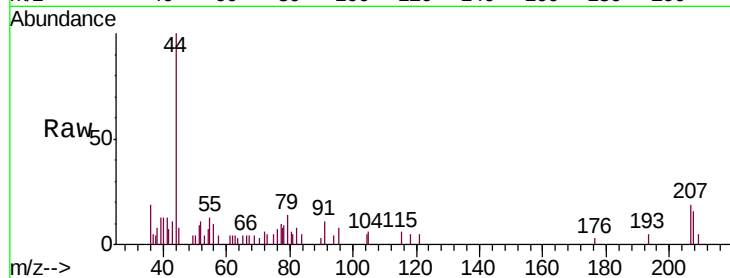
WGGM-20-WW-TSF-022

Tgt Ion: 56 Resp: 117

Ion Ratio Lower Upper

56 100

55 67.5 56.2 84.4



#14

Acrylonitrile

Concen: 0.390 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX017280.D

Acq: 09 Jul 2020 00:55

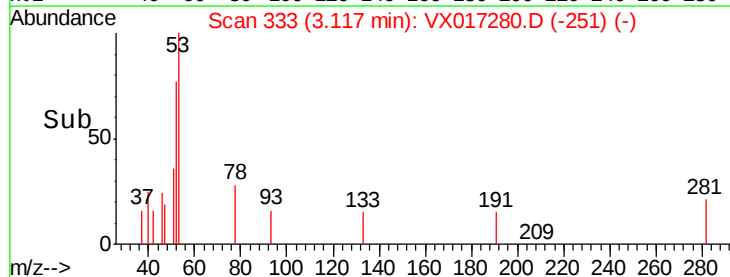
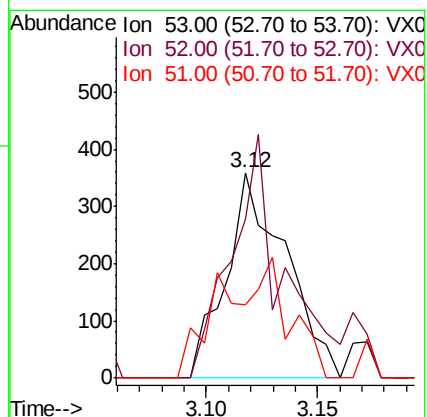
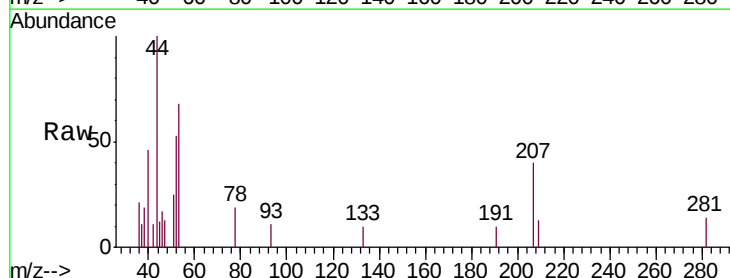
Tgt Ion: 53 Resp: 671

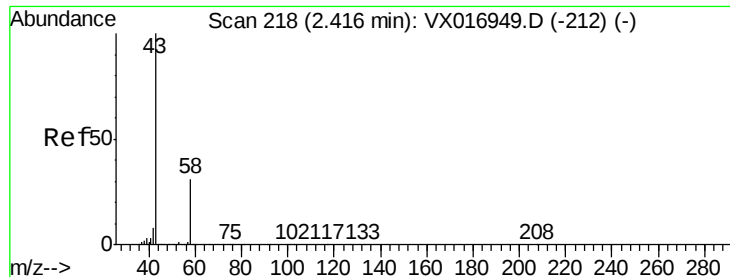
Ion Ratio Lower Upper

53 100

52 70.3 40.6 121.8

51 23.7 18.4 55.4





#15

Acetone

Concen: 3.620 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX017280.D

Acq: 09 Jul 2020 00:55

Instrument :

MSVOA_X

ClientSampleId :

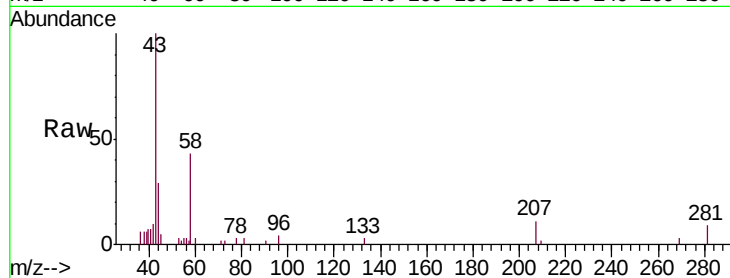
WGGM-20-WW-TSF-022

Tgt Ion: 58 Resp: 1610

Ion Ratio Lower Upper

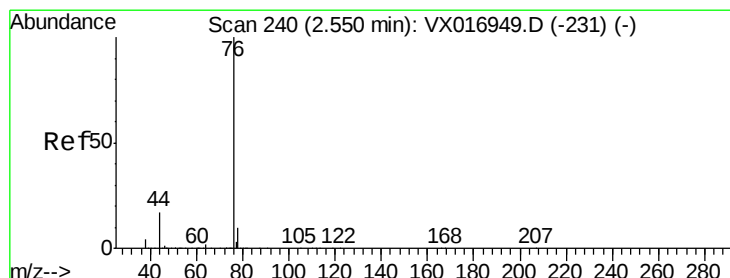
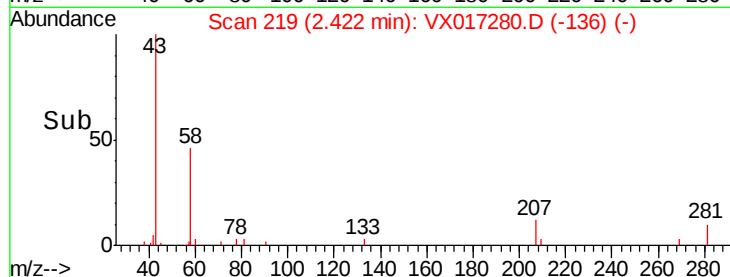
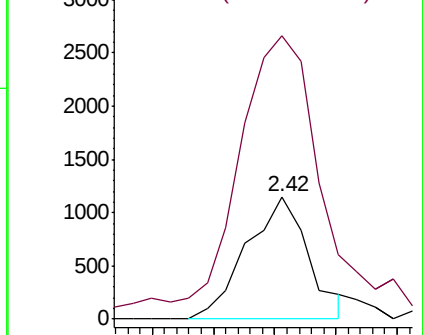
58 100

43 213.6 257.6 386.4#



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 0.301 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017280.D

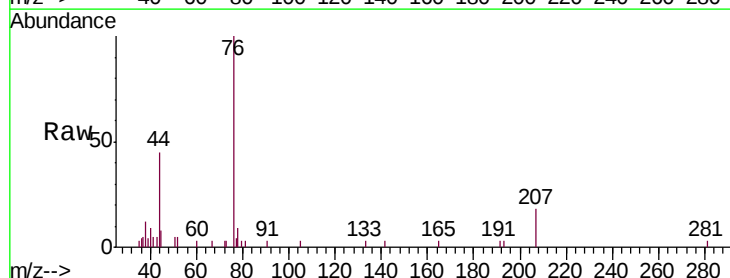
Acq: 09 Jul 2020 00:55

Tgt Ion: 76 Resp: 2718

Ion Ratio Lower Upper

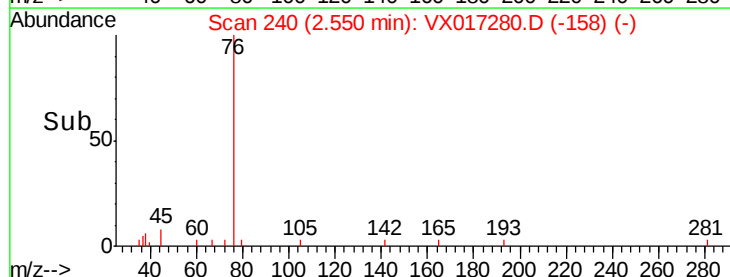
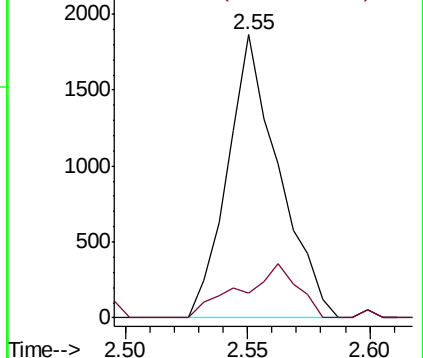
76 100

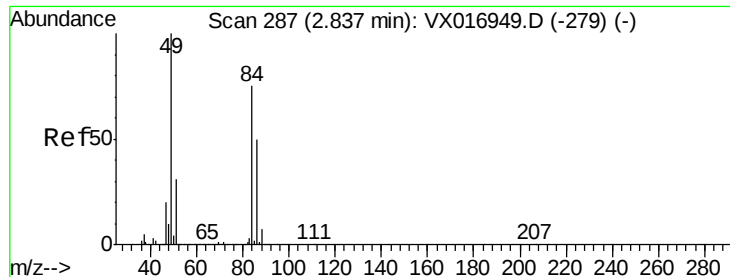
78 8.9 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

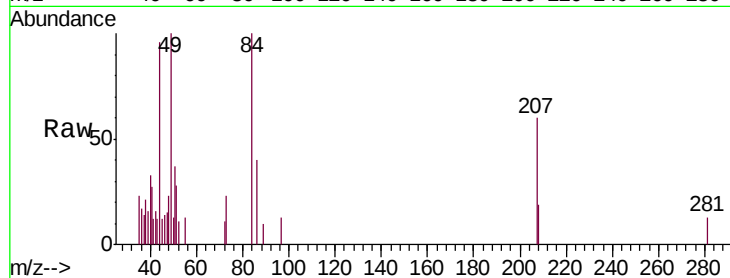




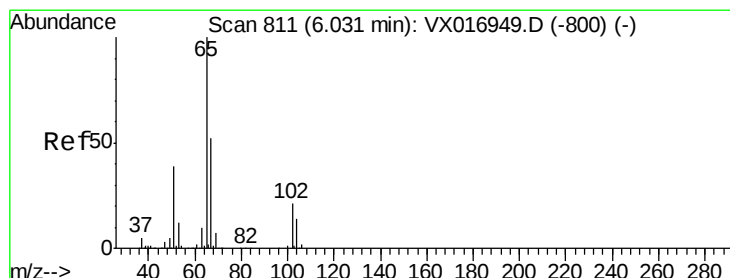
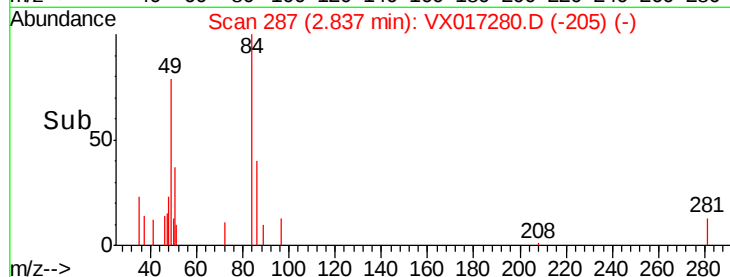
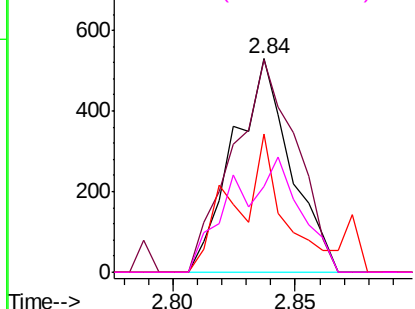
#18
Methylene Chloride
Concen: 0.250 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017280.D
Acq: 09 Jul 2020 00:55

Instrument :
MSVOA_X
ClientSampleId :
WGGM-20-WW-TSF-022

Tgt Ion: 84 Resp: 867
Ion Ratio Lower Upper
84 100
49 99.6 106.6 159.8#
51 64.9 32.7 49.1#
86 40.0 53.0 79.6#

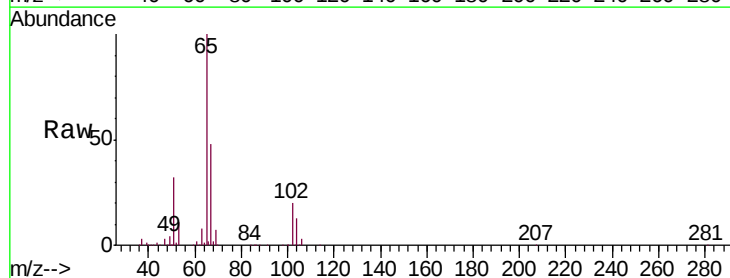


Abundance Ion 84.00 (83.70 to 84.70): VX0
Ion 49.00 (48.70 to 49.70): VX0
Ion 51.00 (50.70 to 51.70): VX0
Ion 86.00 (85.70 to 86.70): VX0

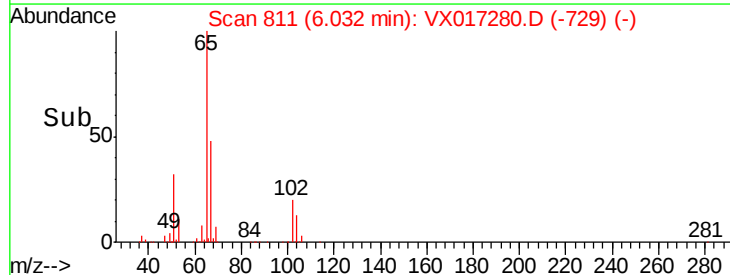
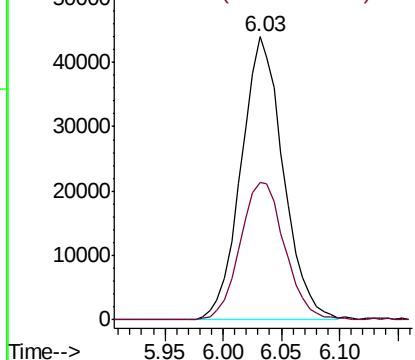


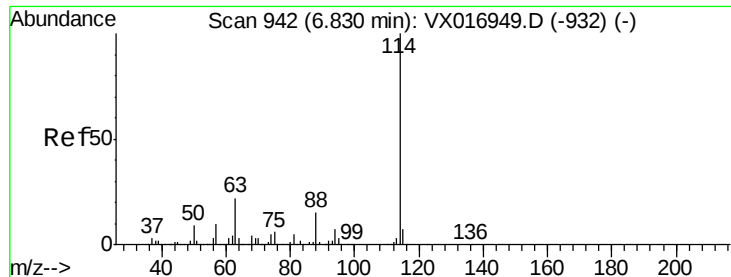
#27
1,2-Dichloroethane-d4
Concen: 28.313 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX017280.D
Acq: 09 Jul 2020 00:55

Tgt Ion: 65 Resp: 110745
Ion Ratio Lower Upper
65 100
67 51.5 41.5 62.3



Abundance Ion 65.00 (64.70 to 65.70): VX0
Ion 67.00 (66.70 to 67.70): VX0

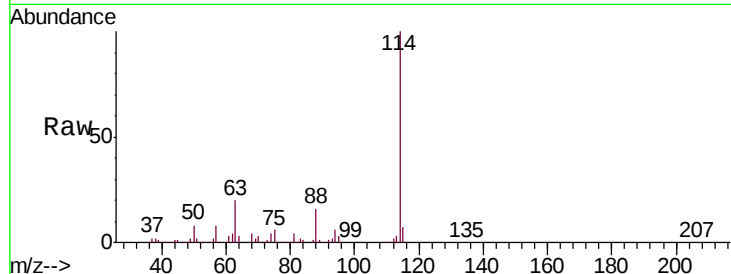




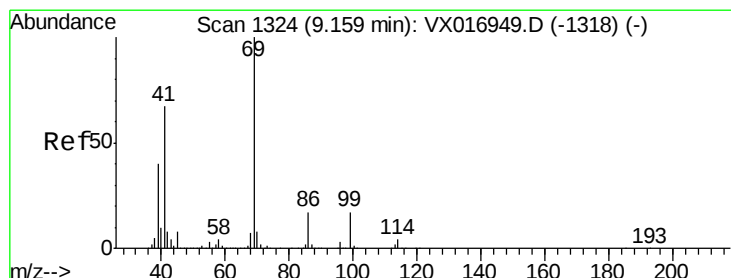
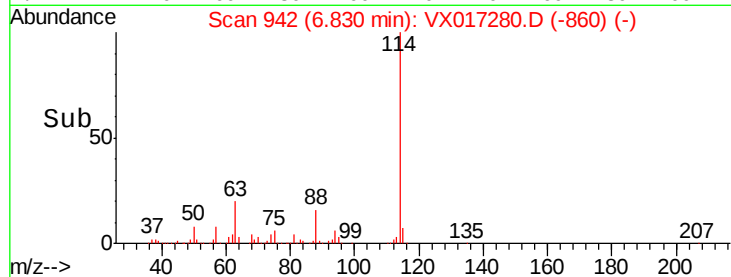
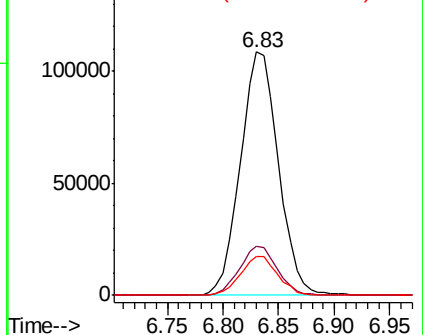
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX017280.D
 Acq: 09 Jul 2020 00:55

Instrument :
 MSVOA_X
 ClientSampleId :
 WGM-20-WW-TSF-022

Tgt Ion:114 Resp: 258449
 Ion Ratio Lower Upper
 114 100
 63 20.0 17.4 26.2
 88 15.9 13.0 19.6

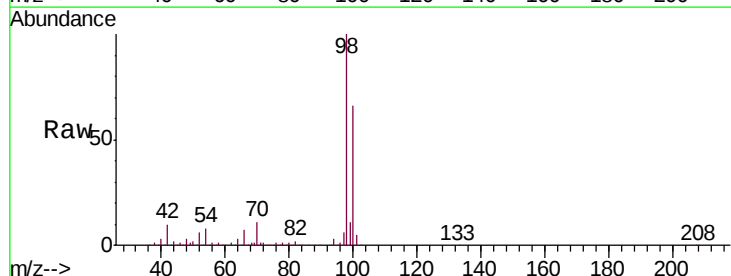


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 88.00 (87.70 to 88.70): VX0

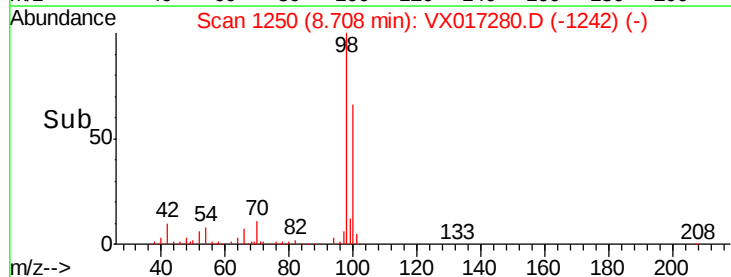
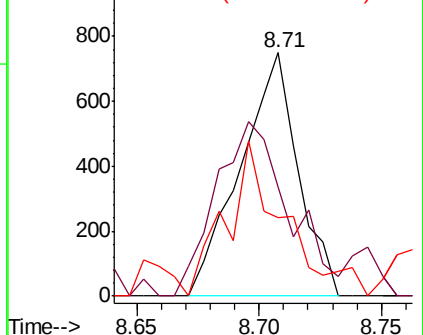


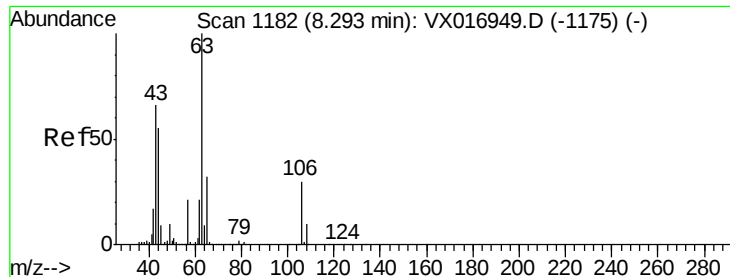
#51
 Ethyl methacrylate
 Concen: 0.261 ug/l
 RT: 8.71 min Scan# 1250
 Delta R.T. -0.45 min
 Lab File: VX017280.D
 Acq: 09 Jul 2020 00:55

Tgt Ion: 69 Resp: 1232
 Ion Ratio Lower Upper
 69 100
 41 36.7 33.7 101.1
 39 32.4 19.9 59.7



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0

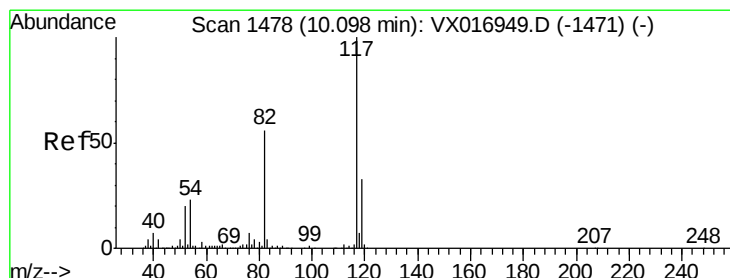
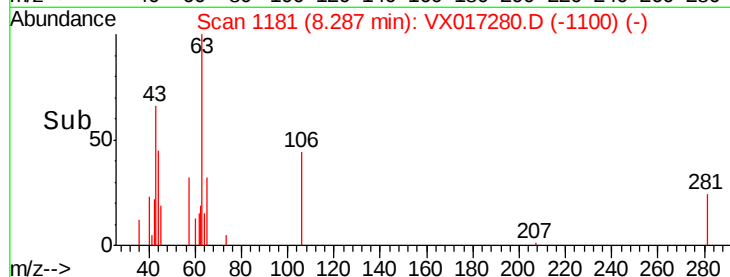
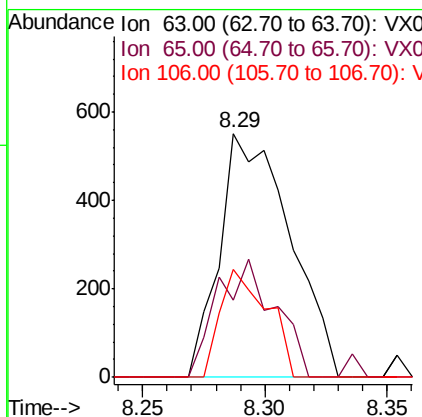
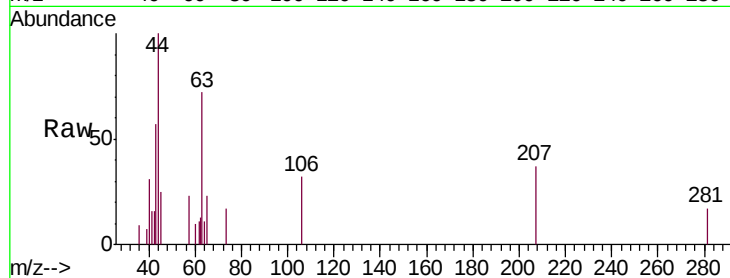




#55
2-Chloroethyl vinyl ether
Concen: 0.444 ug/l
RT: 8.29 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VX017280.D
Acq: 09 Jul 2020 00:55

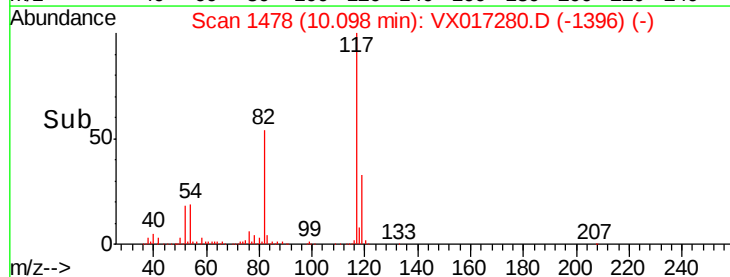
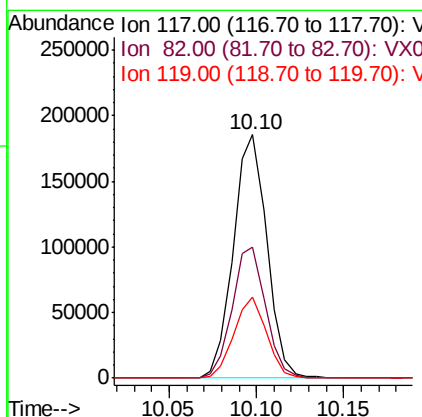
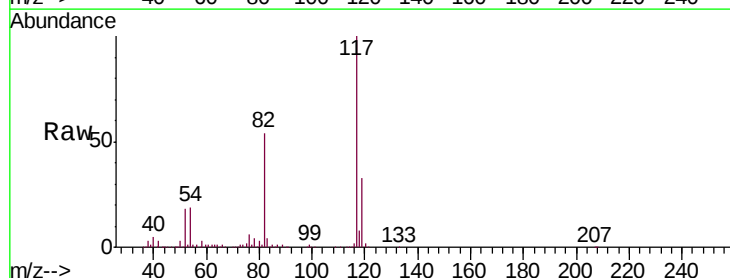
Instrument :
MSVOA_X
ClientSampleId :
WGGM-20-WW-TSF-022

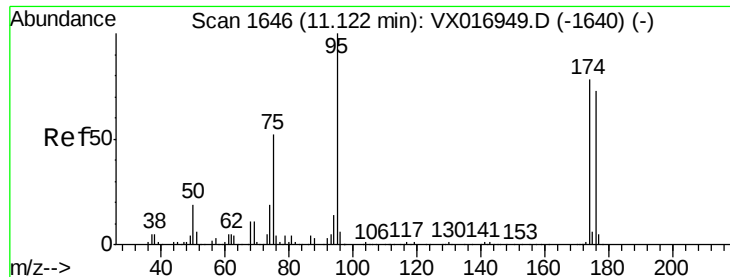
Tgt Ion: 63 Resp: 1102
Ion Ratio Lower Upper
63 100
65 30.1 25.9 38.9
106 29.9 22.6 33.8



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017280.D
Acq: 09 Jul 2020 00:55

Tgt Ion: 117 Resp: 247510
Ion Ratio Lower Upper
117 100
82 53.9 44.9 67.3
119 32.3 25.8 38.8

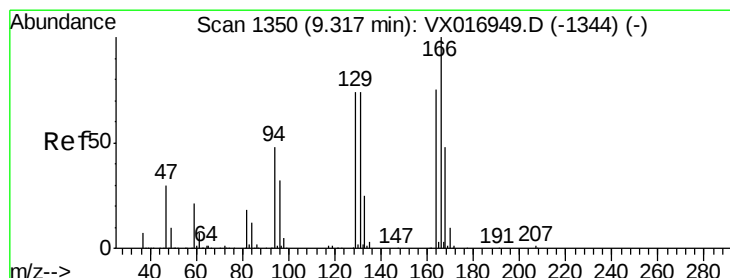
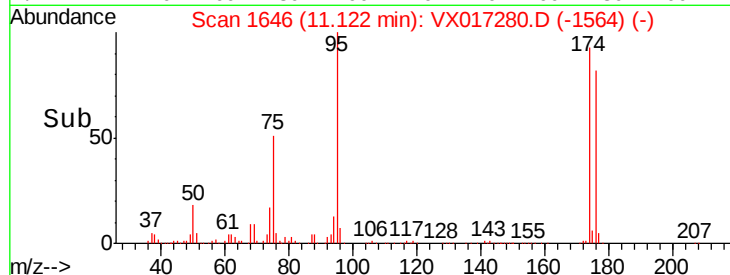
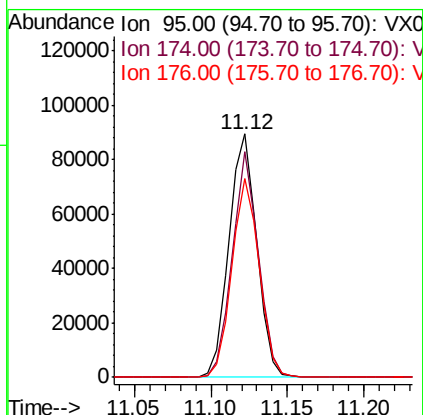
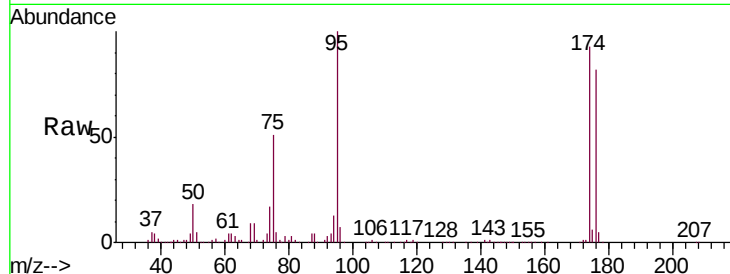




#60
4-Bromofluorobenzene
Concen: 27.231 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX017280.D
Acq: 09 Jul 2020 00:55

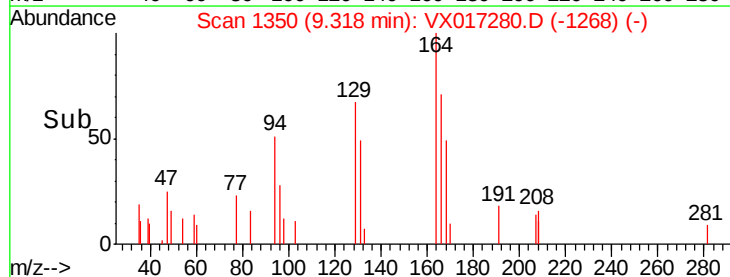
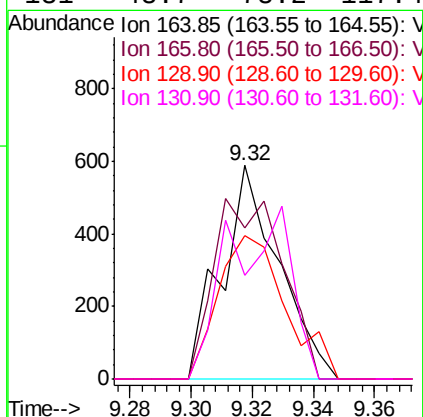
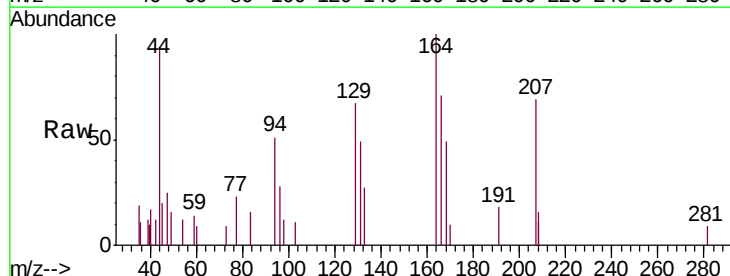
Instrument :
MSVOA_X
ClientSampleId :
WGGM-20-WW-TSF-022

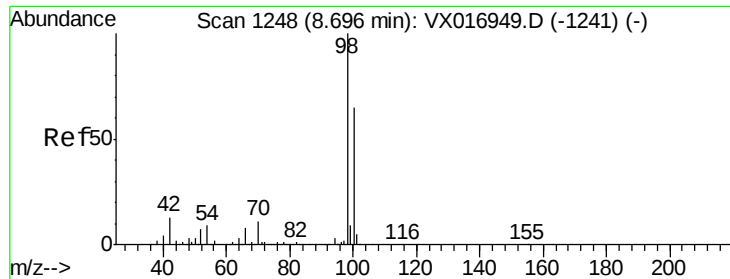
Tgt Ion: 95 Resp: 112403
Ion Ratio Lower Upper
95 100
174 87.3 62.2 93.4
176 80.2 58.9 88.3



#61
Tetrachloroethene
Concen: 0.240 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX017280.D
Acq: 09 Jul 2020 00:55

Tgt Ion: 164 Resp: 758
Ion Ratio Lower Upper
164 100
166 70.8 106.3 159.5#
129 67.2 78.9 118.3#
131 48.7 78.2 117.4#





#63

Toluene-d8

Concen: 27.581 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017280.D

Acq: 09 Jul 2020 00:55

Instrument :

MSVOA_X

ClientSampleId :

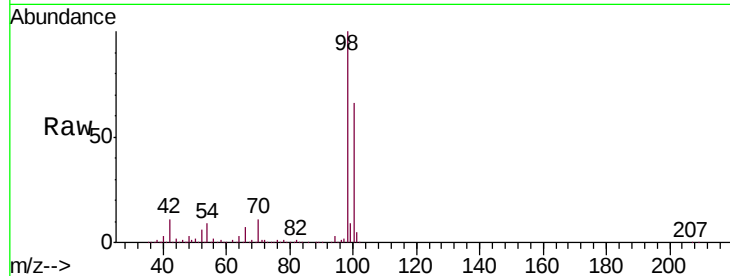
WGGM-20-WW-TSF-022

Tgt Ion: 98 Resp: 300918

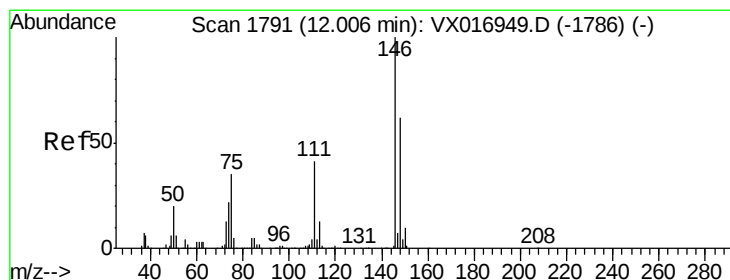
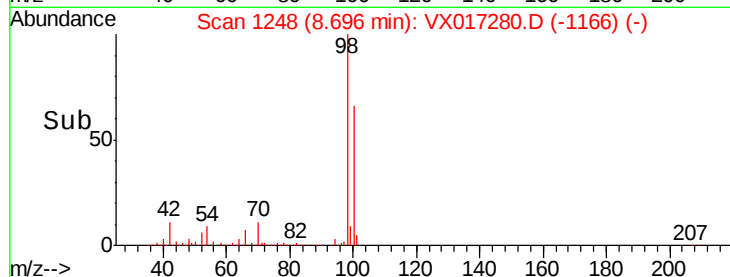
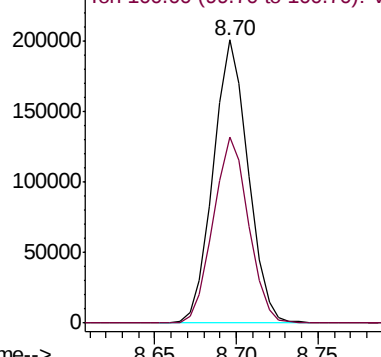
Ion Ratio Lower Upper

98 100

100 66.5 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX016949.D (-1241) (-)



#83

1,3-Dichlorobenzene

Concen: 0.209 ug/l

RT: 12.01 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX017280.D

Acq: 09 Jul 2020 00:55

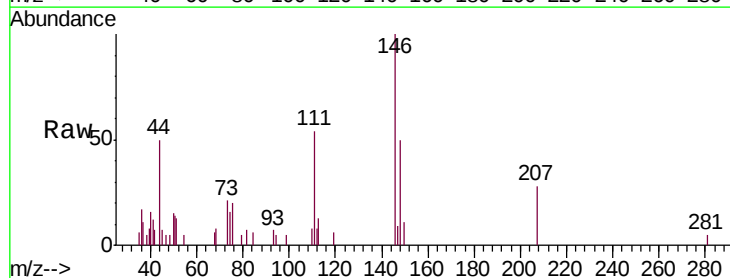
Tgt Ion: 146 Resp: 1396

Ion Ratio Lower Upper

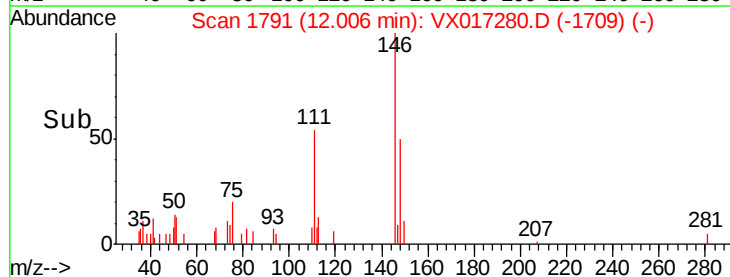
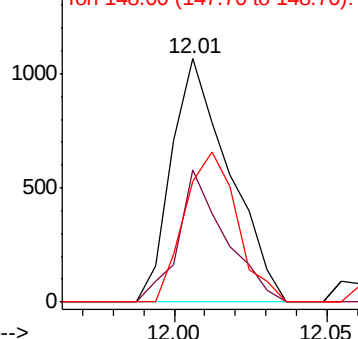
146 100

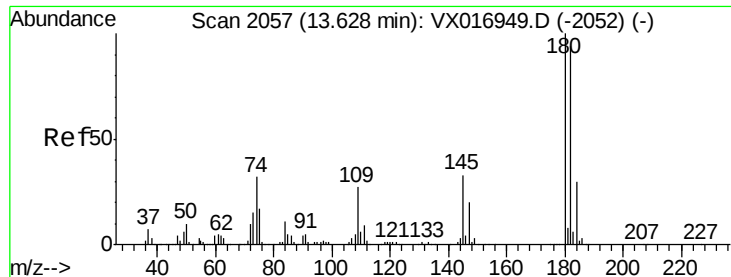
111 44.1 19.5 58.5

148 55.7 31.8 95.4



Abundance Ion 146.00 (145.70 to 146.70): VX016949.D (-1786) (-)

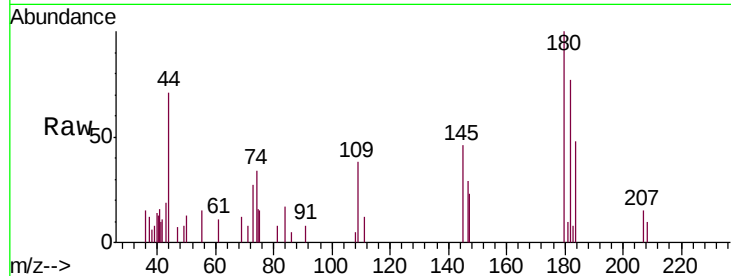




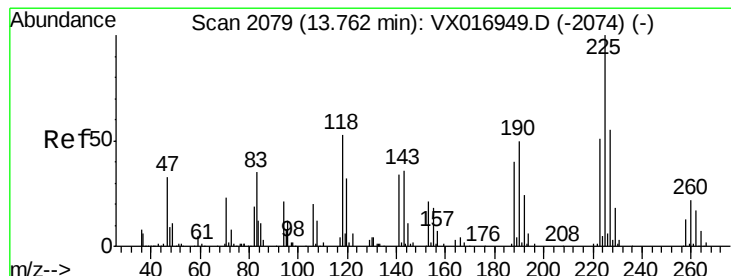
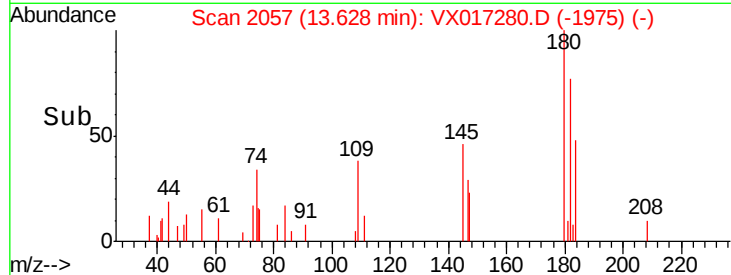
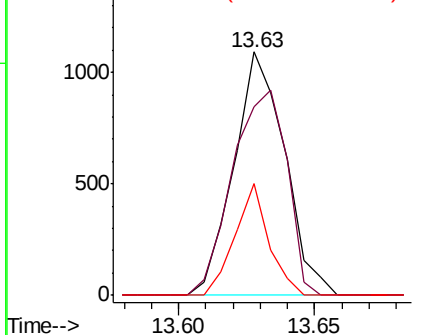
#89
 1,2,4-Trichlorobenzene
 Concen: 0.337 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX017280.D
 Acq: 09 Jul 2020 00:55

Instrument :
 MSVOA_X
 ClientSampleId :
 WGM-20-WW-TSF-022

Tgt Ion:180 Resp: 1420
 Ion Ratio Lower Upper
 180 100
 182 89.9 77.7 116.5
 145 30.6 26.2 39.2

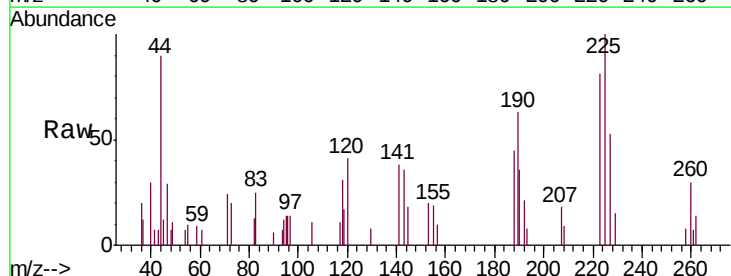


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

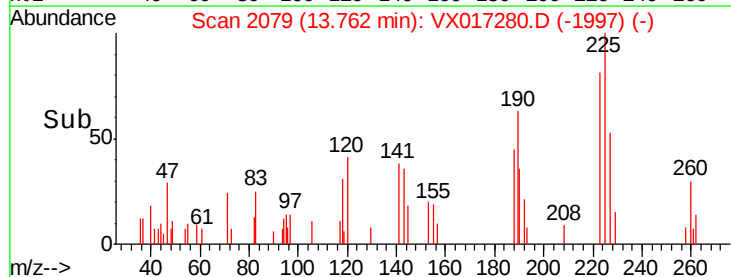
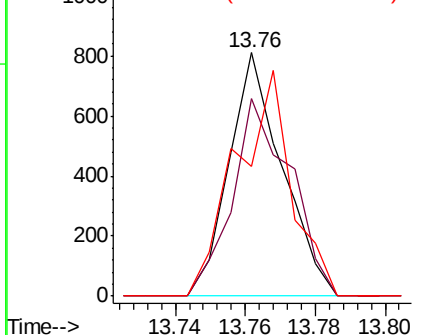


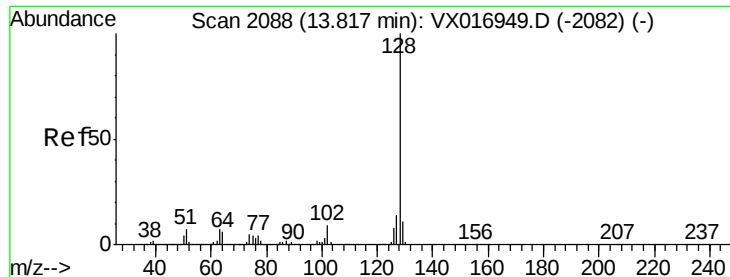
#90
 Hexachlorobutadiene
 Concen: 0.535 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VX017280.D
 Acq: 09 Jul 2020 00:55

Tgt Ion:225 Resp: 858
 Ion Ratio Lower Upper
 225 100
 223 88.5 0.0 125.0
 227 95.8 0.0 124.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 0.220 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX017280.D

Acq: 09 Jul 2020 00:55

Instrument :

MSVOA_X

ClientSampleId :

WGGM-20-WW-TSF-022

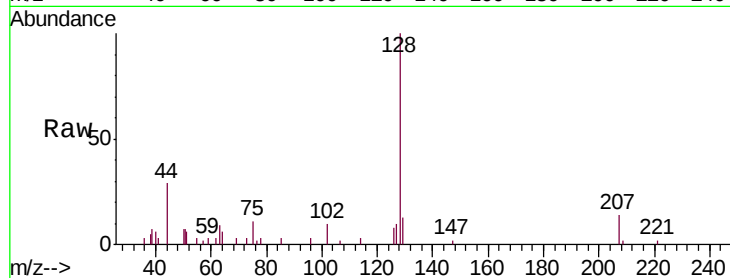
Tgt Ion:128 Resp: 3045

Ion Ratio Lower Upper

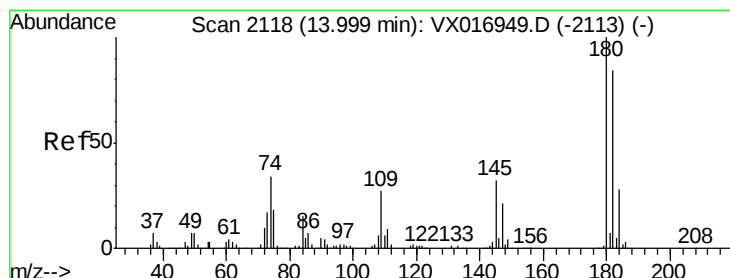
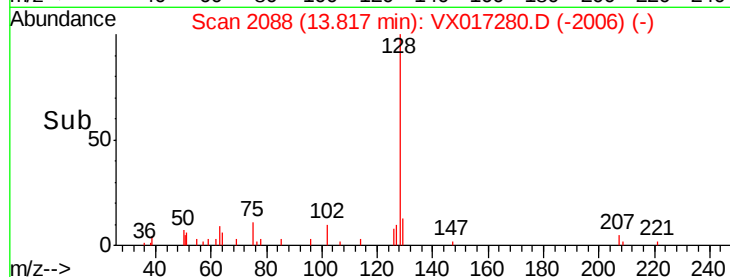
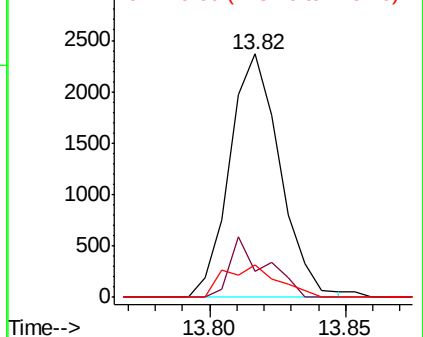
128 100

127 10.9 10.5 15.7

129 14.0 9.0 13.4#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 0.300 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX017280.D

Acq: 09 Jul 2020 00:55

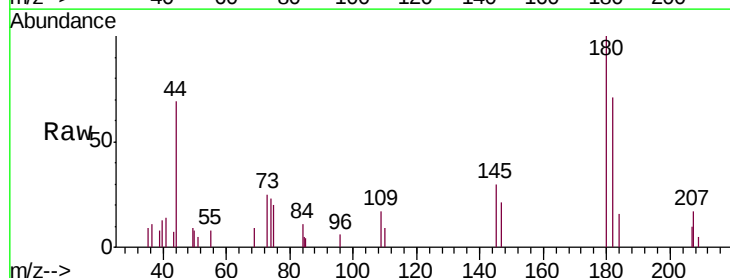
Tgt Ion:180 Resp: 1233

Ion Ratio Lower Upper

180 100

182 113.3 0.0 184.8

145 38.4 0.0 68.0



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

