

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070920\
 Data File : VX017312.D
 Acq On : 09 Jul 2020 16:56
 Operator : JC/SP
 Sample : L3235-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WGGM-20-WW-TSF-023

Quant Time: Jul 10 06:39:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X070920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 09 12:25:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.99	128	50204	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	254420	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	242824	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	110174	30.53	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.77%
60) 4-Bromofluorobenzene	11.12	95	103530	24.99	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	83.30%
63) Toluene-d8	8.70	98	295690	28.79	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.97%

Target Compounds

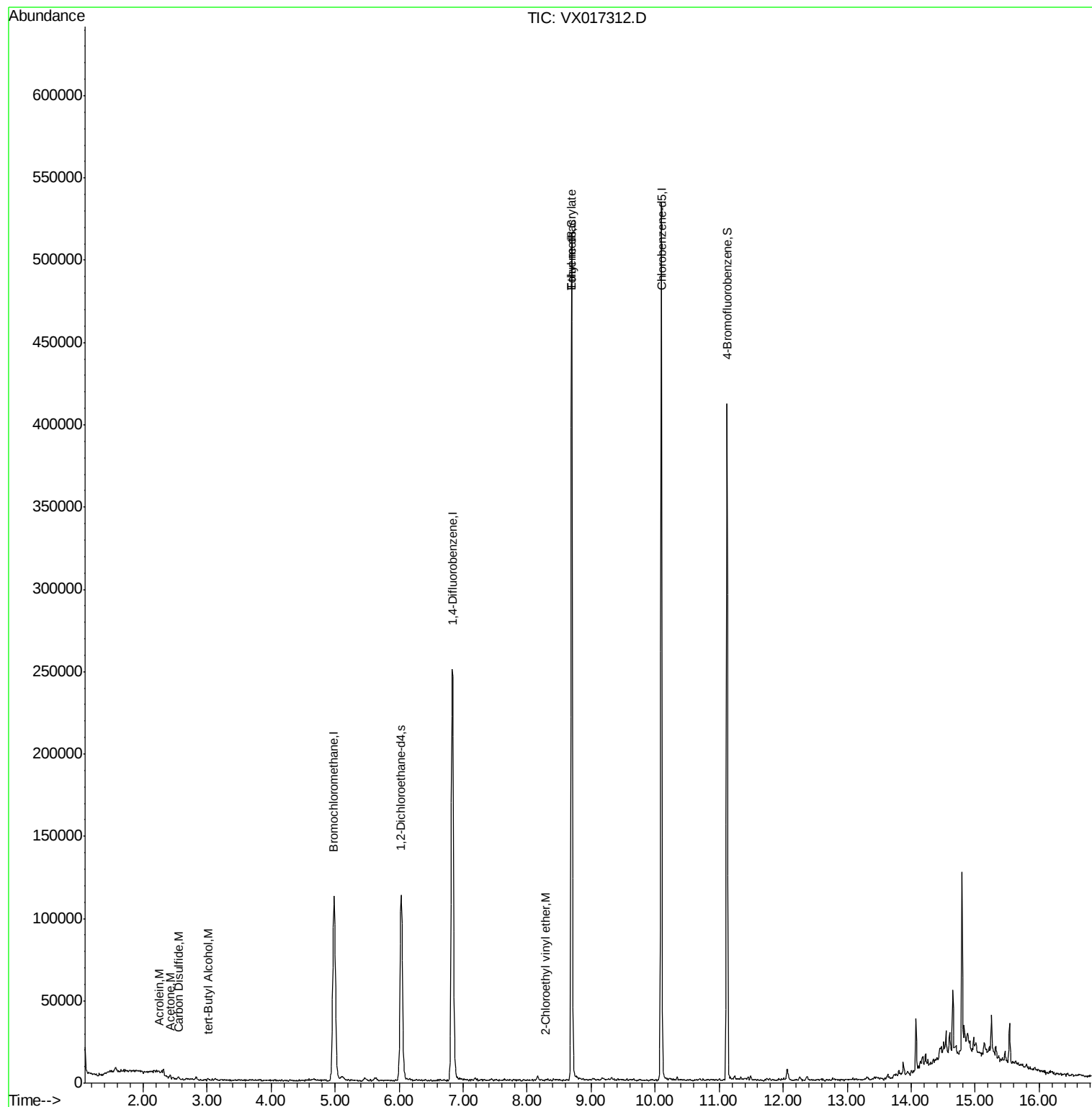
					Ovalue
13) Acrolein	2.25	56	138	0.332	ug/l 95
15) Acetone	2.43	58	838	2.291	ug/l # 14
16) Carbon Disulfide	2.55	76	1316	0.210	ug/l # 49
23) tert-Butyl Alcohol	3.02	59	259	0.433	ug/l # 77
51) Ethyl methacrylate	8.70	69	1270	0.299	ug/l 97
55) 2-Chloroethyl vinyl ether	8.29	63	126	18.794	ug/l # 49

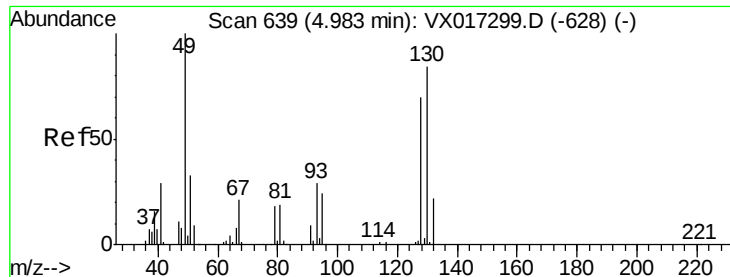
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 09 12:25:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.99 min Scan# 640

Delta R.T. 0.01 min

Lab File: VX017312.D

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Instrument :

MSVOA_X

ClientSampleId :

WGGM-20-WW-TSF-023

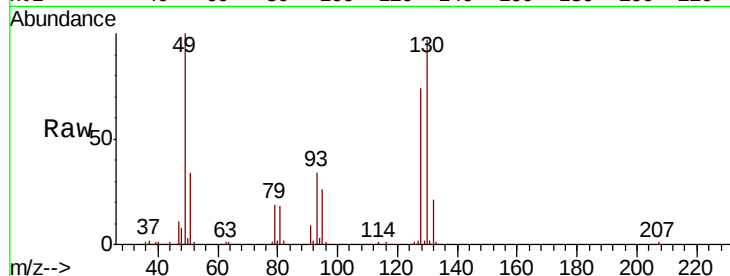
Tot Ion:128 Resp: 50204

Ion Ratio Lower Upper

128 100

49 152.2 0.0 358.8

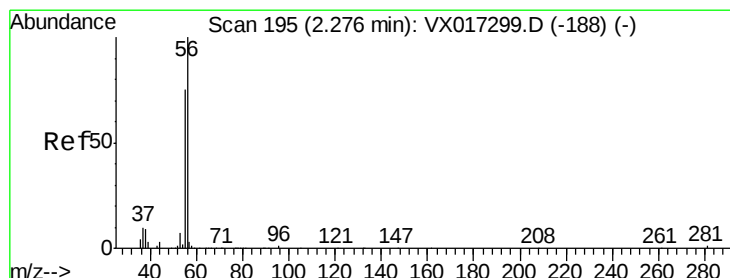
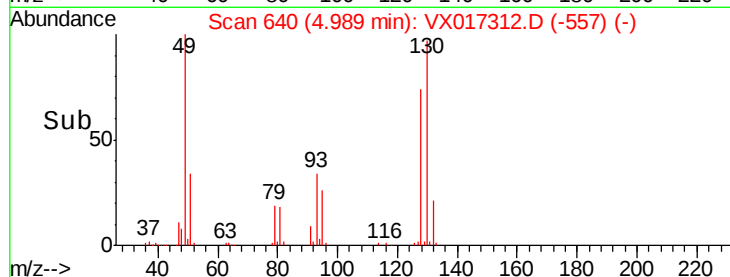
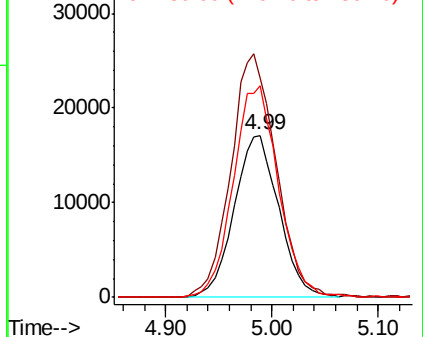
130 132.2 0.0 323.8



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



#13

Acrolein

Concen: 0.332 ug/l

RT: 2.25 min Scan# 190

Delta R.T. -0.03 min

Lab File: VX017312.D

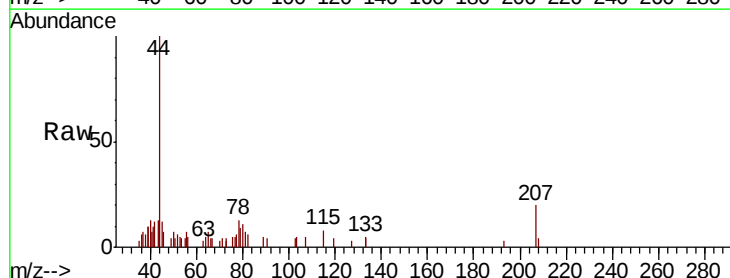
Acq: 09 Jul 2020 16:56

Tgt Ion: 56 Resp: 138

Ion Ratio Lower Upper

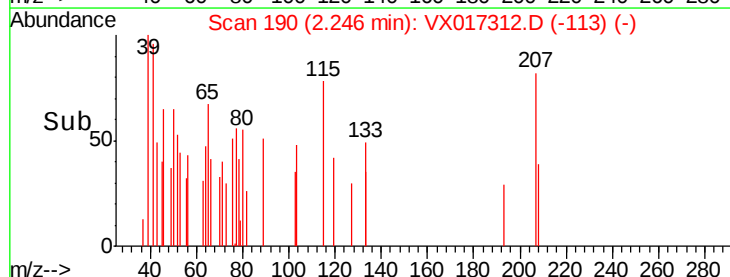
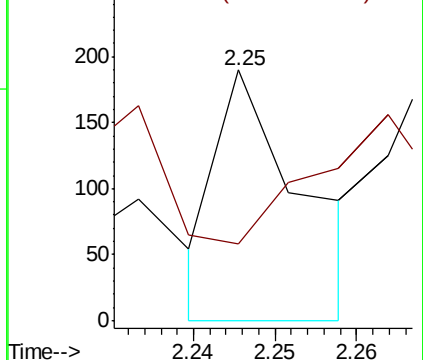
56 100

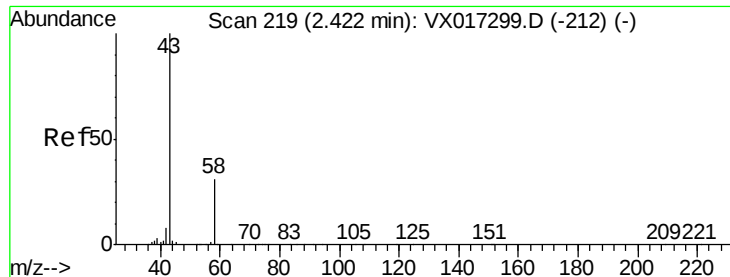
55 77.5 58.5 87.7



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acetone

Concen: 2.291 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX017312.D

Acq: 09 Jul 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

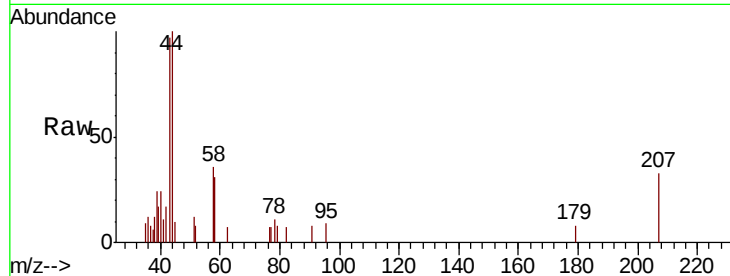
WGGM-20-WW-TSF-023

Tot Ion: 58 Resp: 838

Ion Ratio Lower Upper

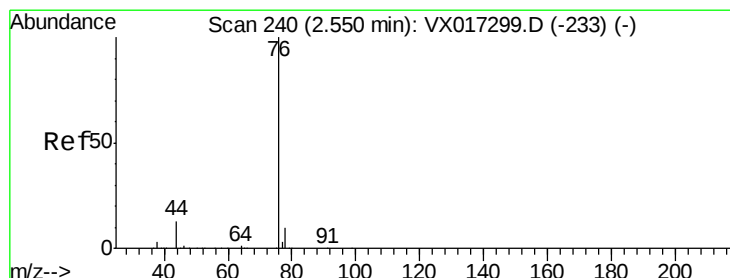
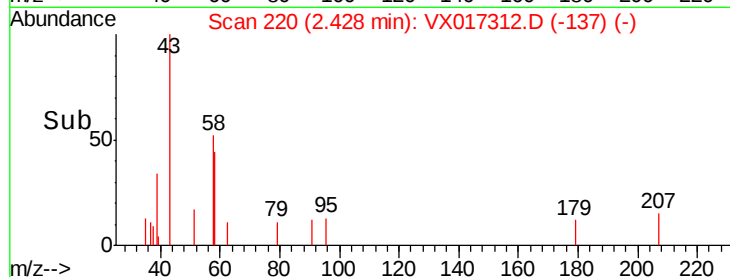
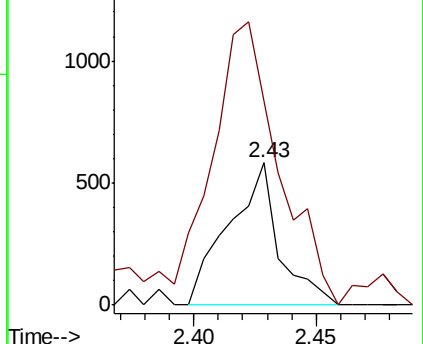
58 100

43 143.7 255.0 382.4#



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 0.210 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX017312.D

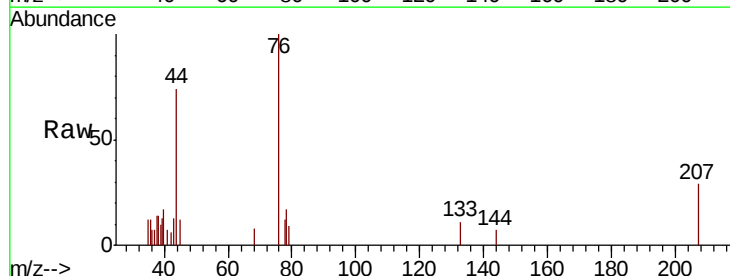
Acq: 09 Jul 2020 16:56

Tgt Ion: 76 Resp: 1316

Ion Ratio Lower Upper

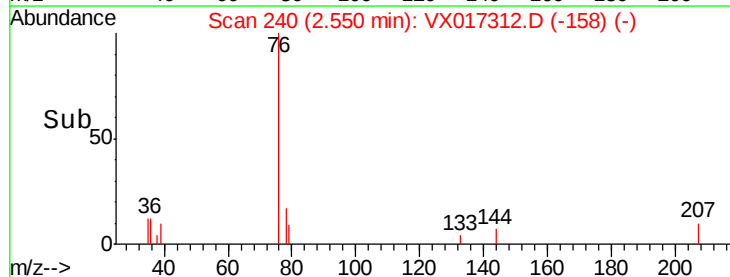
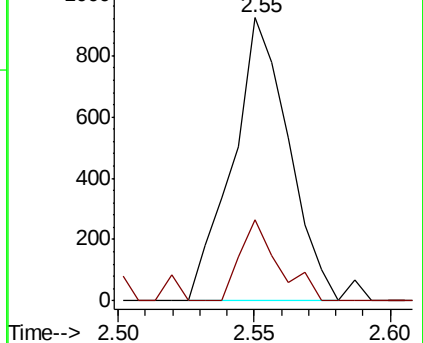
76 100

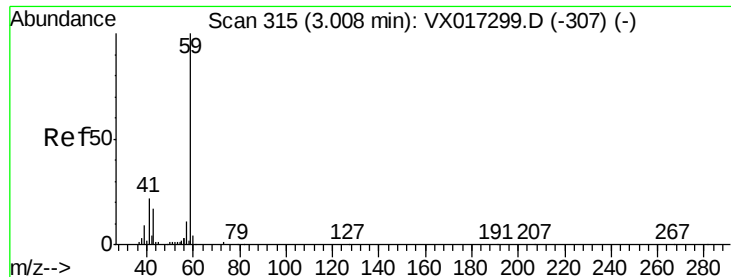
78 28.7 7.9 11.9#



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0



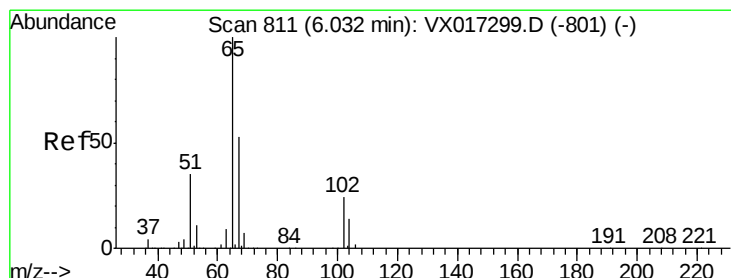
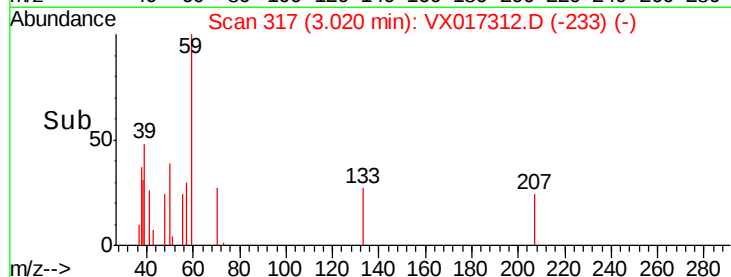
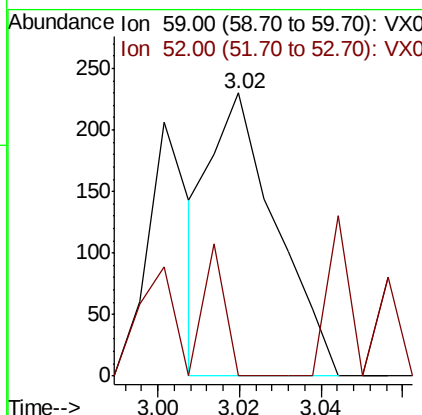
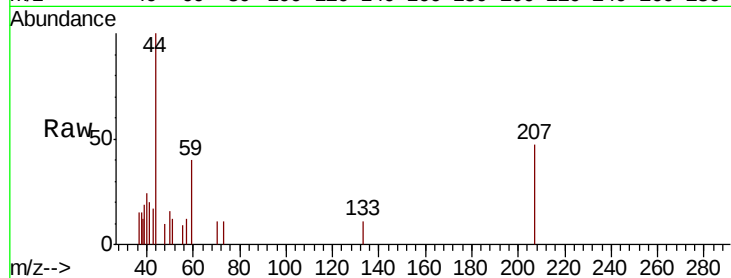


#23

tert-Butyl Alcohol
 Concen: 0.433 ug/l
 RT: 3.02 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VX017312.D
 Acq: 09 Jul 2020 16:56

Instrument :
 MSVOA_X
 ClientSampleId :
 WGM-20-WW-TSF-023

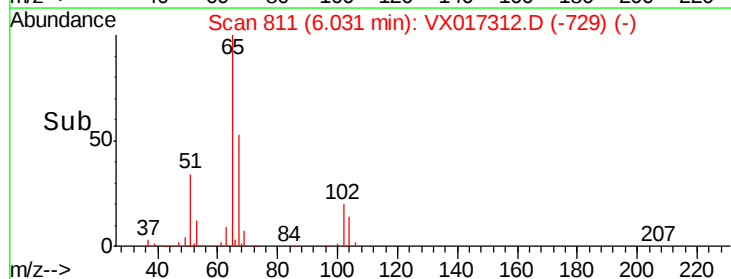
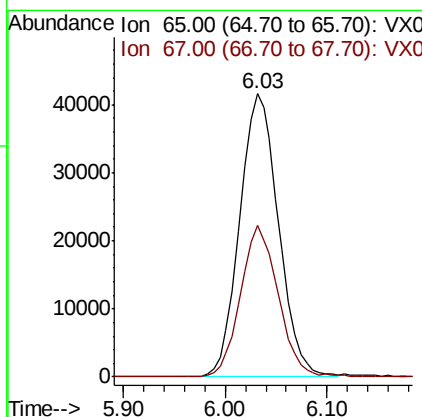
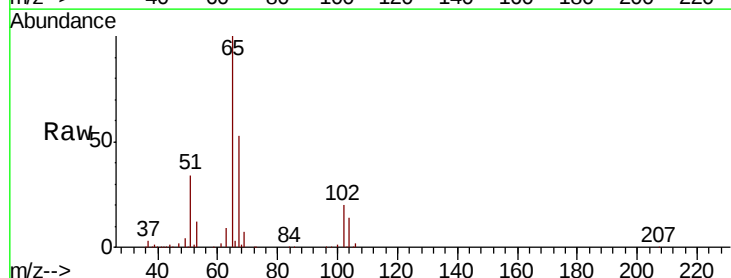
Tot Ion: 59 Resp: 259
 Ion Ratio Lower Upper
 59 100
 52 15.4 0.4 0.6#

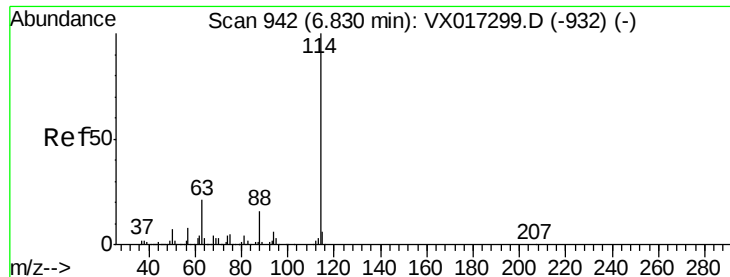


#27

1,2-Dichloroethane-d4
 Concen: 30.534 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017312.D
 Acq: 09 Jul 2020 16:56

Tgt Ion: 65 Resp: 110174
 Ion Ratio Lower Upper
 65 100
 67 51.6 41.0 61.6

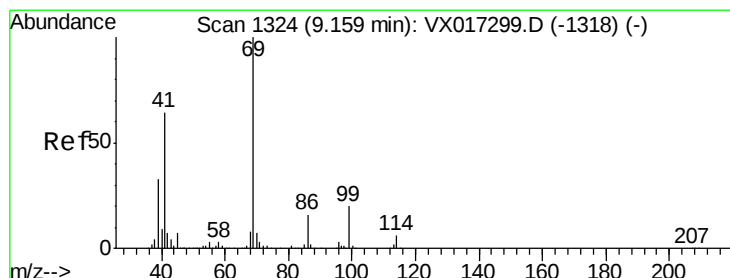
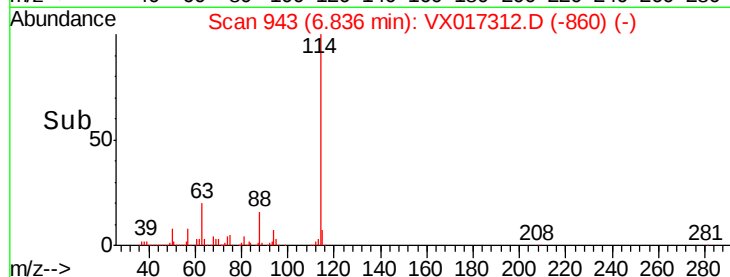
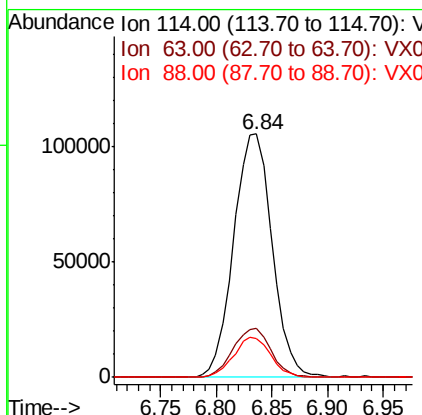
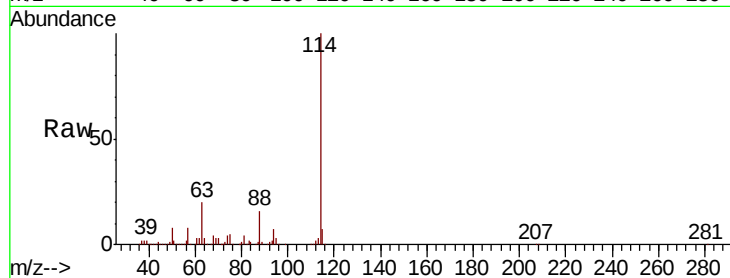




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX017312.D
 Acq: 09 Jul 2020 16:56

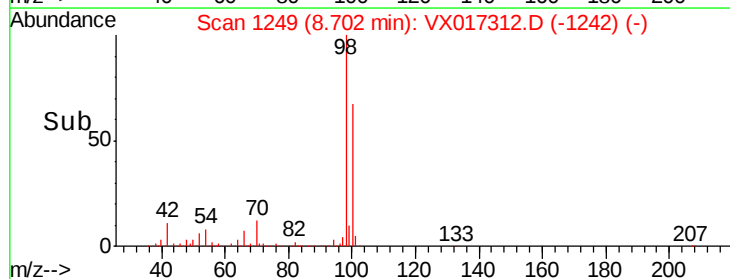
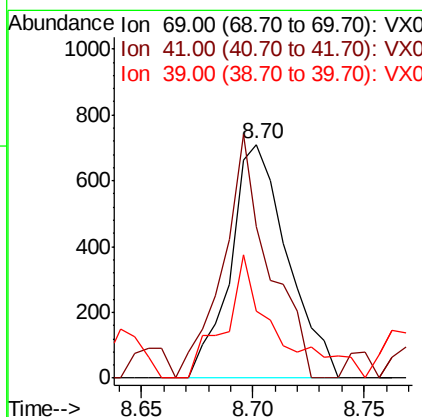
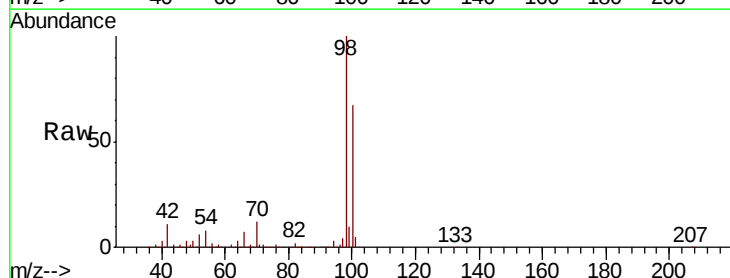
Instrument :
 MSVOA_X
 ClientSampleId :
 WGM-20-WW-TSF-023

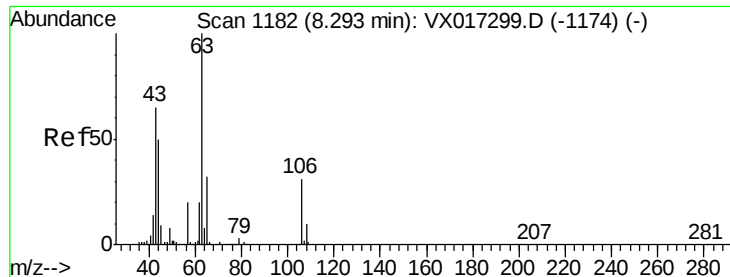
Tot Ion:114 Resp: 254420
 Ion Ratio Lower Upper
 114 100
 63 19.9 15.9 23.9
 88 16.1 12.4 18.6



#51
 Ethyl methacrylate
 Concen: 0.299 ug/l
 RT: 8.70 min Scan# 1249
 Delta R.T. -0.46 min
 Lab File: VX017312.D
 Acq: 09 Jul 2020 16:56

Tgt Ion: 69 Resp: 1270
 Ion Ratio Lower Upper
 69 100
 41 64.9 32.1 96.5
 39 28.7 16.3 48.9

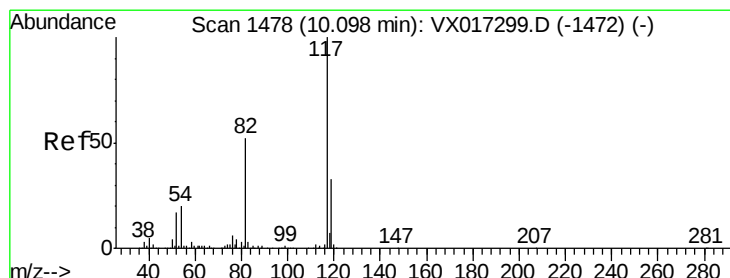
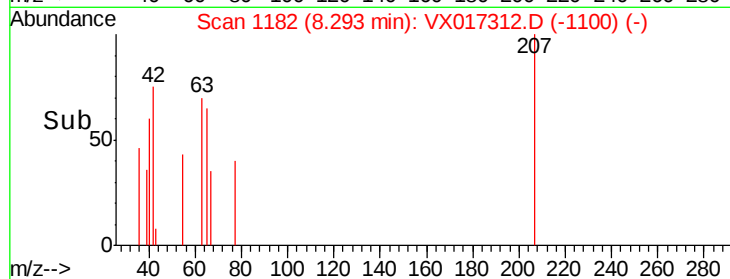
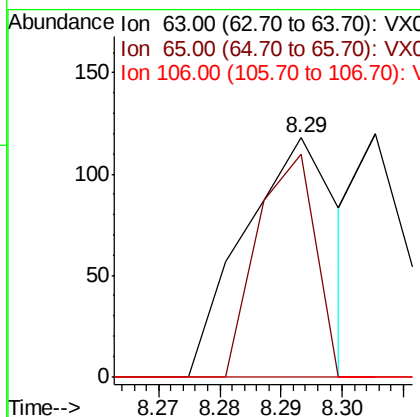
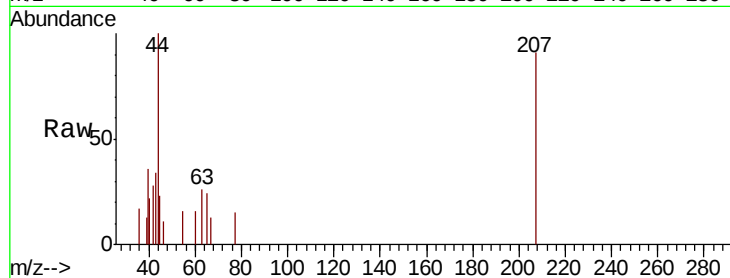




#55
 2-Chloroethyl vinyl ether
 Concen: 18.794 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VX017312.D
 Acq: 09 Jul 2020 16:56

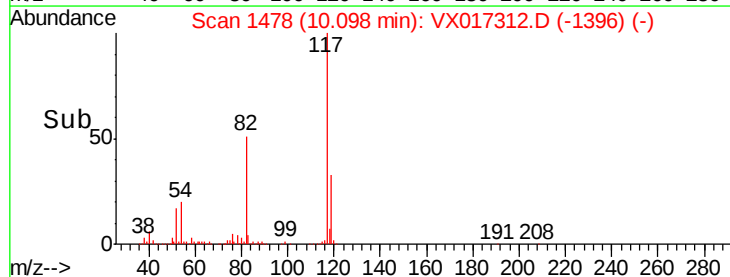
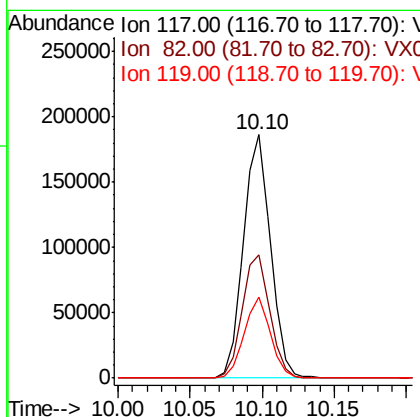
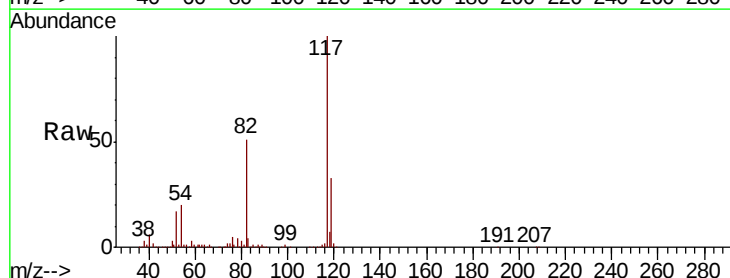
Instrument :
 MSVOA_X
 ClientSampleId :
 WGM-20-WW-TSF-023

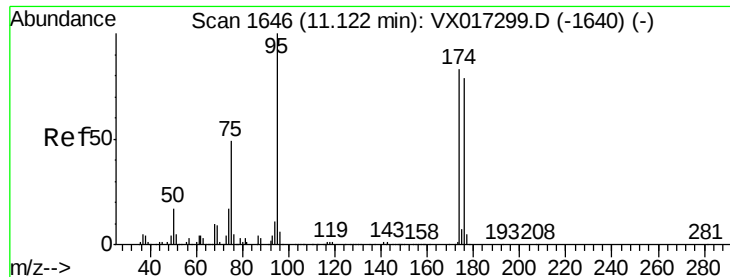
Tot Ion: 63 Resp: 126
 Ion Ratio Lower Upper
 63 100
 65 57.1 25.4 38.0#
 106 0.0 24.5 36.7#



#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 10.10 min Scan# 1478
 Delta R.T. -0.00 min
 Lab File: VX017312.D
 Acq: 09 Jul 2020 16:56

Tgt Ion: 117 Resp: 242824
 Ion Ratio Lower Upper
 117 100
 82 51.8 42.2 63.4
 119 32.3 26.4 39.6

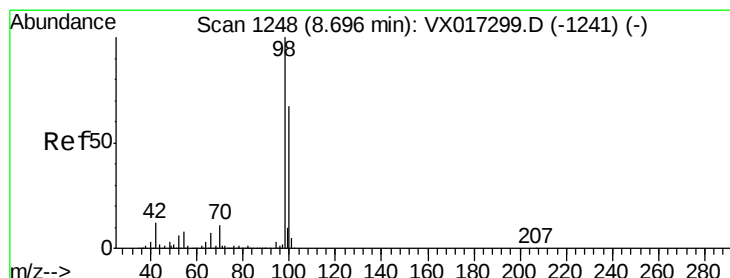
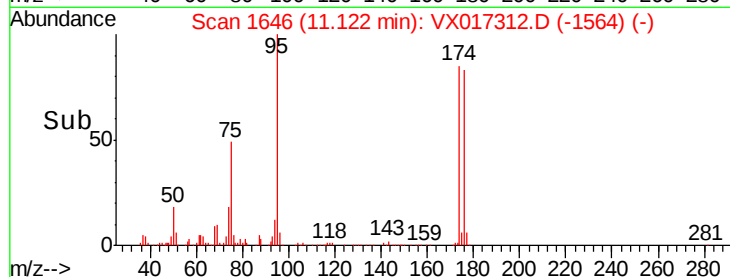
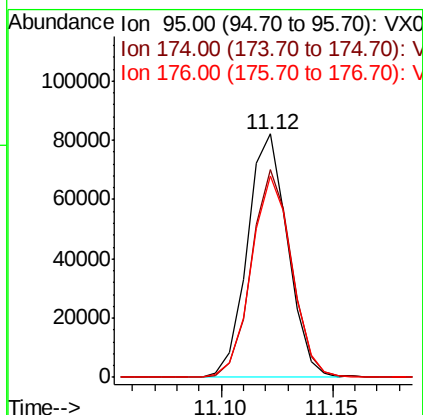
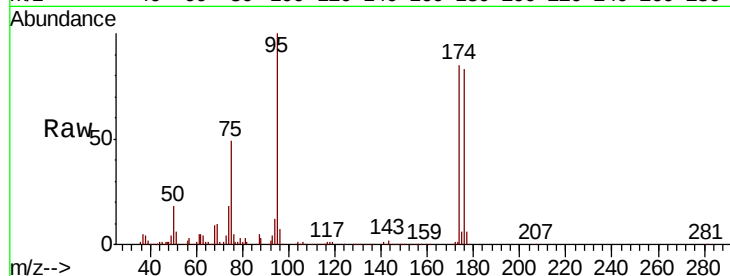




#60
4-Bromofluorobenzene
Concen: 24.992 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017312.D
Acq: 09 Jul 2020 16:56

Instrument :
MSVOA_X
ClientSampleId :
WGGM-20-WW-TSF-023

Tot Ion: 95 Resp: 103530
Ion Ratio Lower Upper
95 100
174 84.6 66.9 100.3
176 83.6 65.5 98.3



#63
Toluene-d8
Concen: 28.788 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017312.D
Acq: 09 Jul 2020 16:56

Tgt Ion: 98 Resp: 295690
Ion Ratio Lower Upper
98 100
100 66.6 52.8 79.2

