

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072720\
 Data File : VX017613.D
 Acq On : 27 Jul 2020 13:12
 Operator : JC/SP
 Sample : VX0727WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0727WBL01

Quant Time: Jul 27 15:32:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X072720W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 27 11:38:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	116321	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	617313	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	549606	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	261438	29.25	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.50%
60) 4-Bromofluorobenzene	11.12	95	261703	28.12	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.73%
63) Toluene-d8	8.70	98	704438	28.96	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.53%

Target Compounds

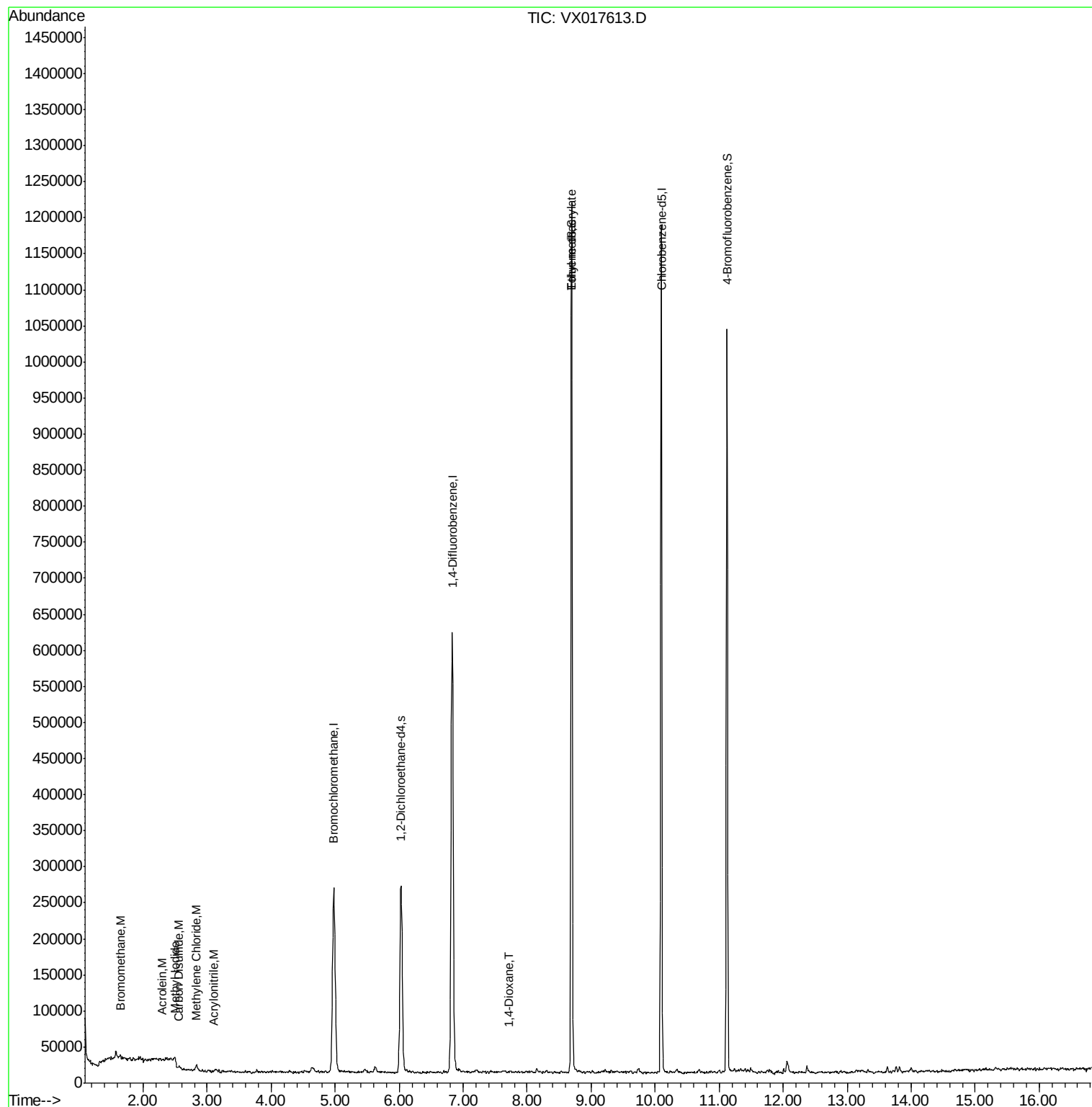
					Qvalue	
5) Bromomethane	1.64	94	2408	0.453	ug/l	97
11) Methyl Iodide	2.50	142	2497	0.354	ug/l	81
13) Acrolein	2.29	56	263	0.209	ug/l	100
14) Acrylonitrile	3.11	53	912	0.256	ug/l #	56
16) Carbon Disulfide	2.55	76	4620	0.311	ug/l #	74
18) Methylene Chloride	2.83	84	4488	0.684	ug/l	91
45) 1,4-Dioxane	7.71	88	178	1.079	ug/l #	1
51) Ethyl methacrylate	8.70	69	2887	0.272	ug/l	88

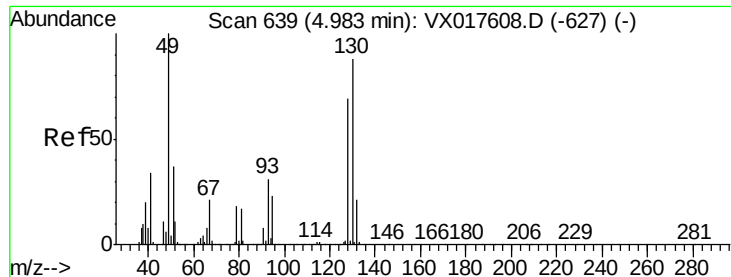
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 27 15:32:23 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\624X072720W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jul 27 11:38:31 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. -0.00 min

Lab File: VX017613.D

Acq: 27 Jul 2020 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0727WBL01

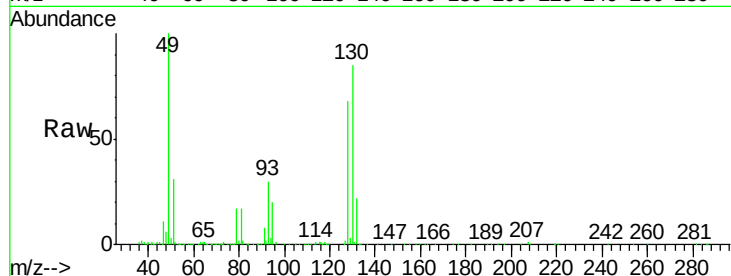
Tgt Ion:128 Resp: 116321

Ion Ratio Lower Upper

128 100

49 149.0 0.0 376.0

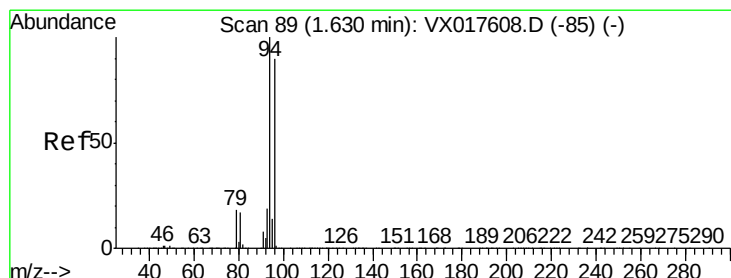
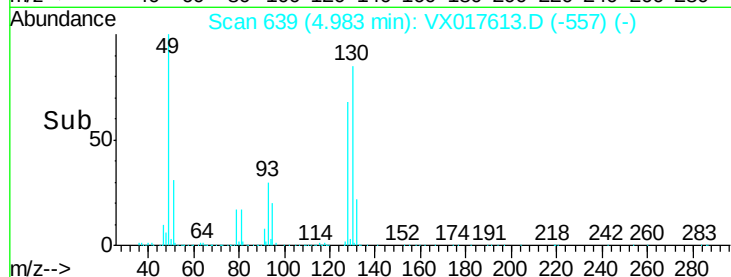
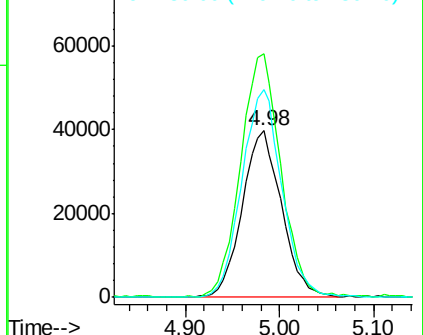
130 127.2 0.0 323.0



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



#5

Bromomethane

Concen: 0.453 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX017613.D

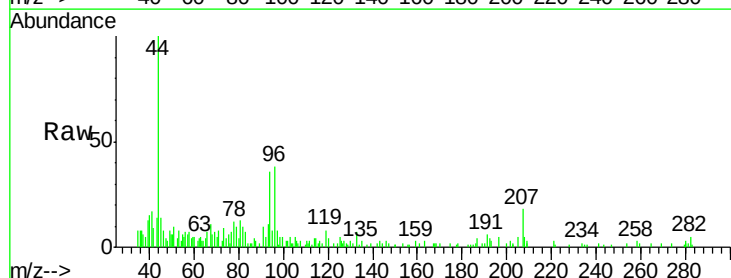
Acq: 27 Jul 2020 13:12

Tgt Ion: 94 Resp: 2408

Ion Ratio Lower Upper

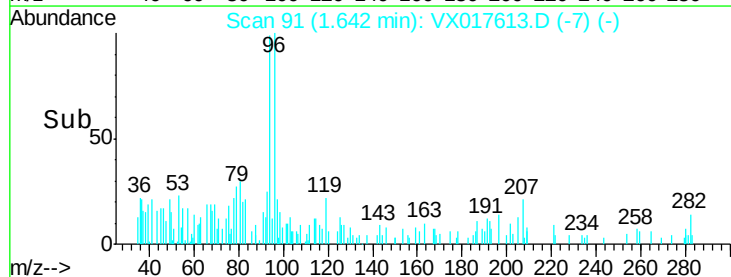
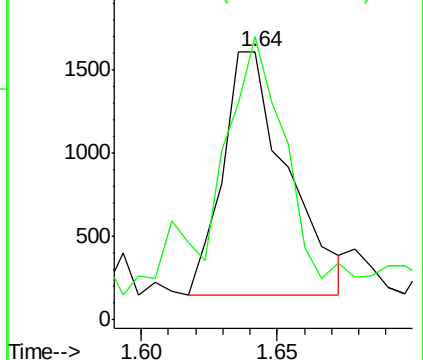
94 100

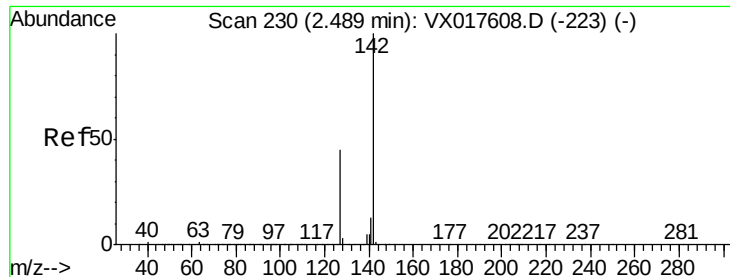
96 93.2 72.5 108.7



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

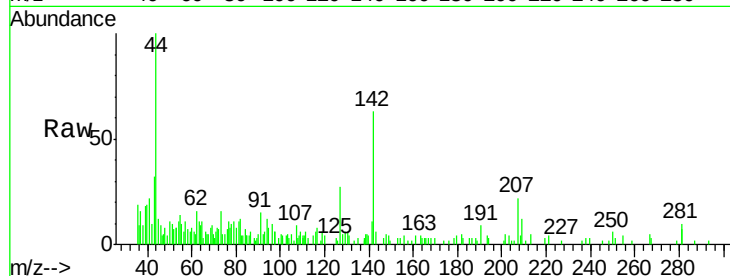




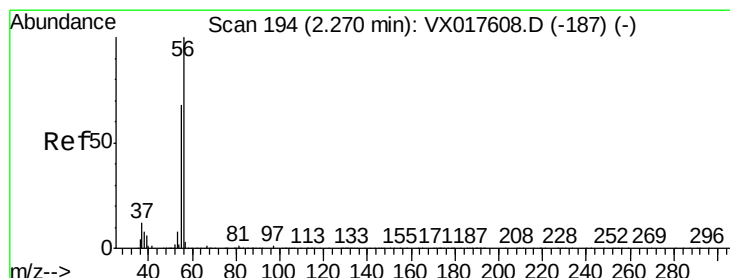
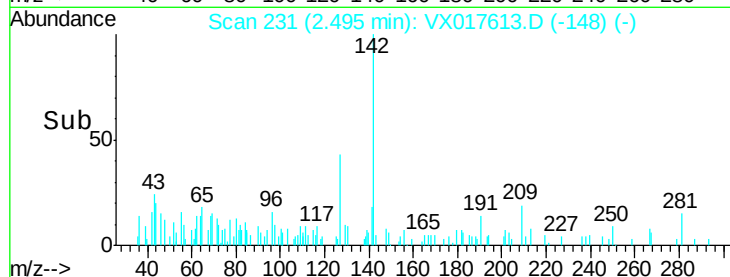
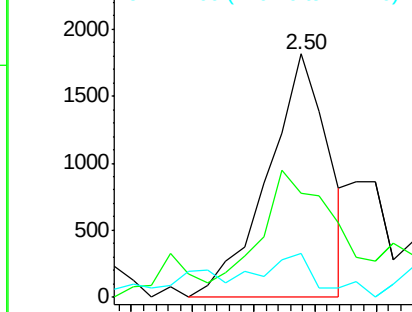
#11
Methyl Iodide
Concen: 0.354 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX017613.D
Acq: 27 Jul 2020 13:12

Instrument :
MSVOA_X
ClientSampleId :
VX0727WBL01

Tgt Ion: 142 Resp: 2497
Ion Ratio Lower Upper
142 100
127 28.8 22.4 67.0
141 14.1 6.6 19.7

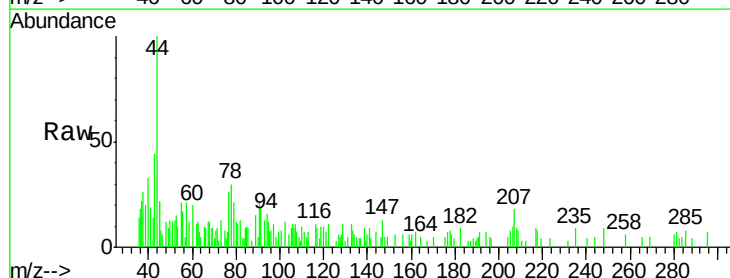


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

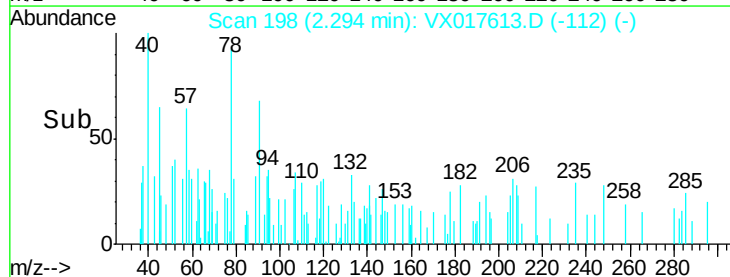
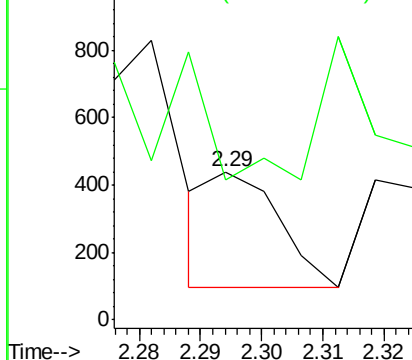


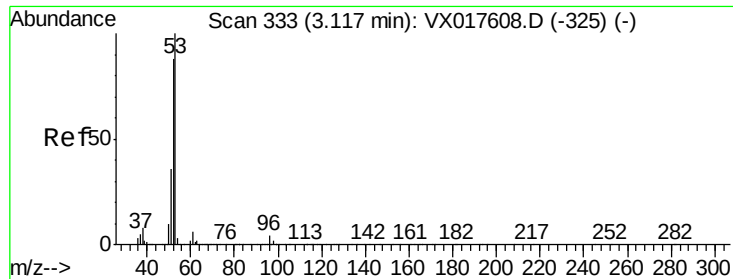
#13
Acrolein
Concen: 0.209 ug/l
RT: 2.29 min Scan# 198
Delta R.T. 0.02 min
Lab File: VX017613.D
Acq: 27 Jul 2020 13:12

Tgt Ion: 56 Resp: 263
Ion Ratio Lower Upper
56 100
55 71.9 57.2 85.8



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0

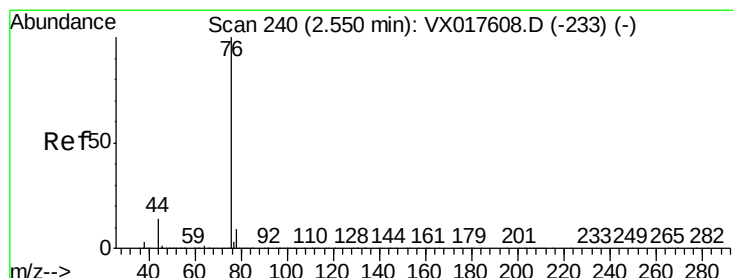
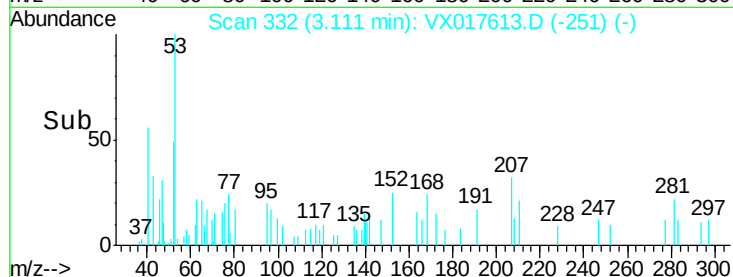
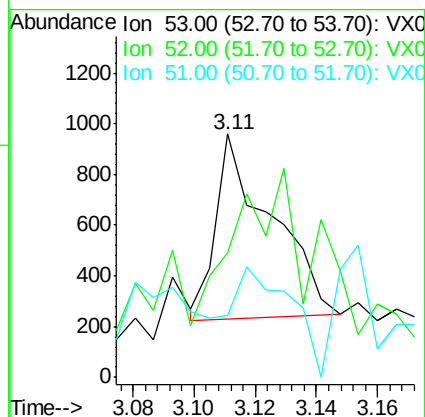
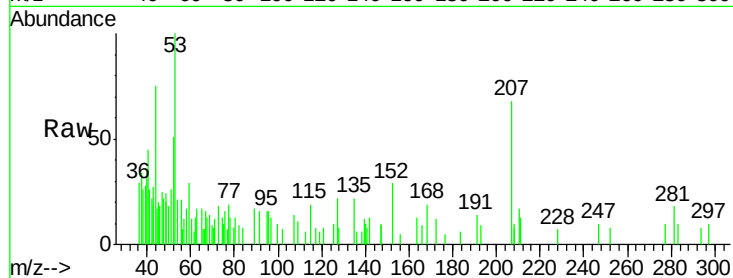




#14
 Acrylonitrile
 Concen: 0.256 ug/l
 RT: 3.11 min Scan# 332
 Delta R.T. -0.01 min
 Lab File: VX017613.D
 Acq: 27 Jul 2020 13:12

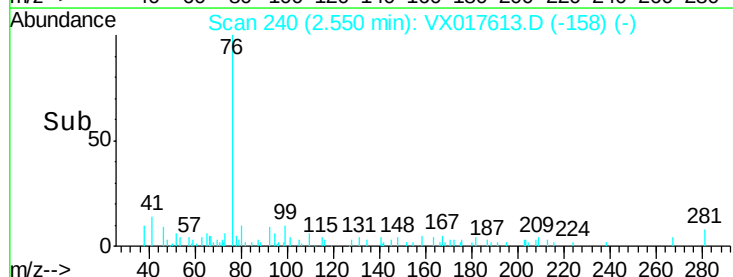
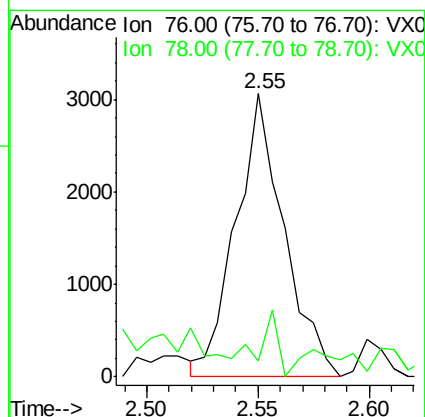
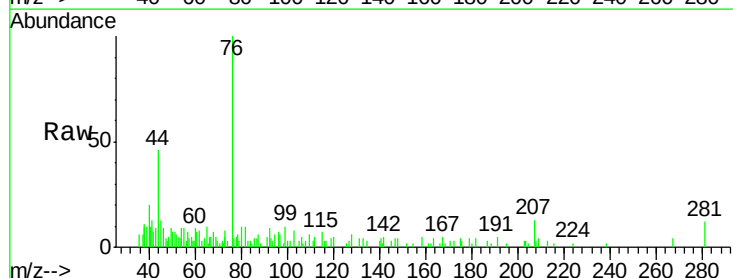
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0727WBL01

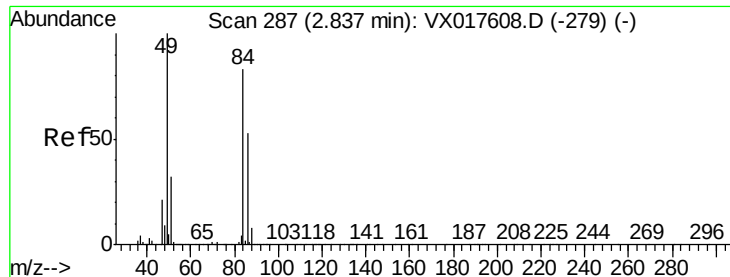
Tgt Ion: 53 Resp: 912
 Ion Ratio Lower Upper
 53 100
 52 120.1 41.4 124.4
 51 65.8 18.4 55.2#



#16
 Carbon Disulfide
 Concen: 0.311 ug/l
 RT: 2.55 min Scan# 240
 Delta R.T. -0.00 min
 Lab File: VX017613.D
 Acq: 27 Jul 2020 13:12

Tgt Ion: 76 Resp: 4620
 Ion Ratio Lower Upper
 76 100
 78 0.0 7.5 11.3#

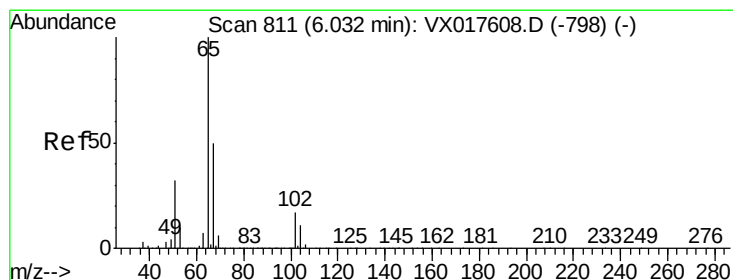
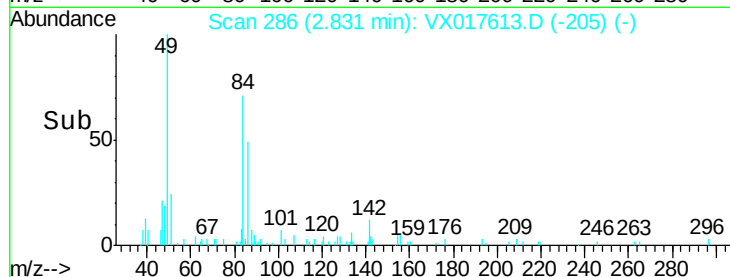
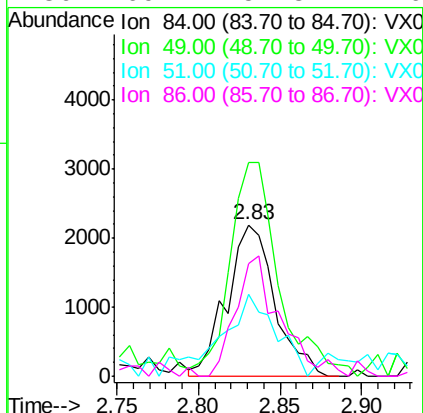
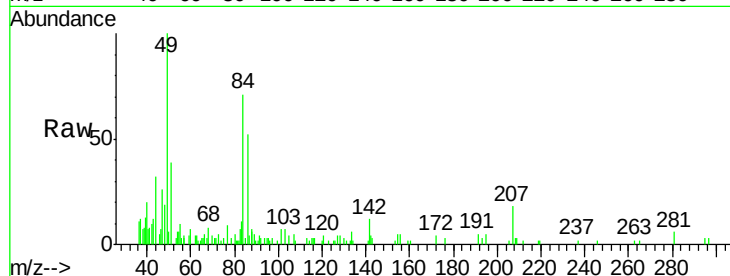




#18
Methylene Chloride
Concen: 0.684 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017613.D
Acq: 27 Jul 2020 13:12

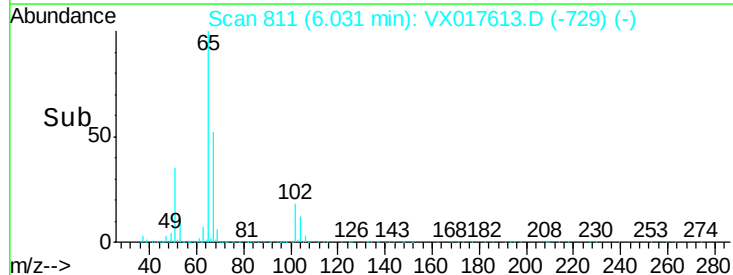
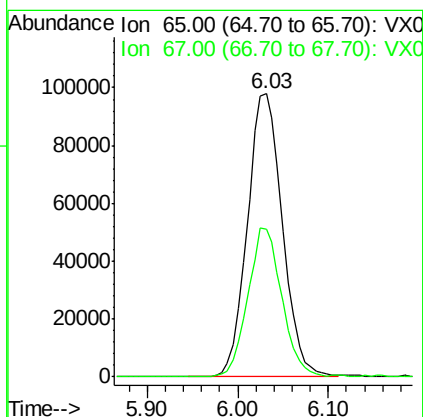
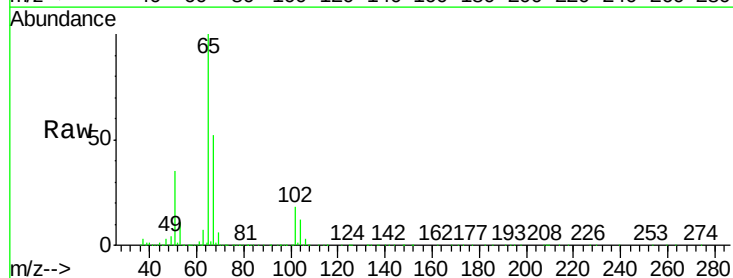
Instrument :
MSVOA_X
ClientSampleId :
VX0727WBL01

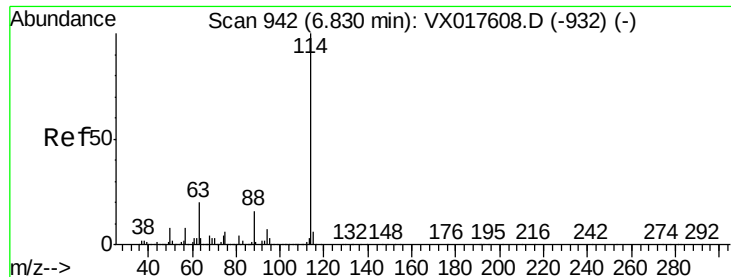
Tgt Ion: 84 Resp: 4488
Ion Ratio Lower Upper
84 100
49 133.7 96.7 145.1
51 43.4 31.0 46.4
86 69.7 51.8 77.6



#27
1,2-Dichloroethane-d4
Concen: 29.248 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017613.D
Acq: 27 Jul 2020 13:12

Tgt Ion: 65 Resp: 261438
Ion Ratio Lower Upper
65 100
67 50.7 40.6 61.0

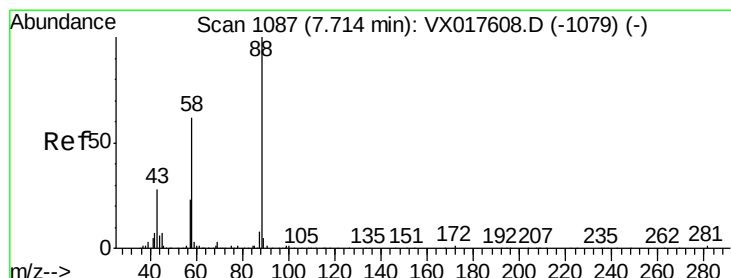
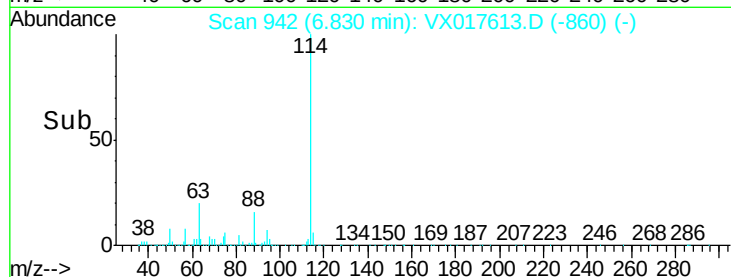
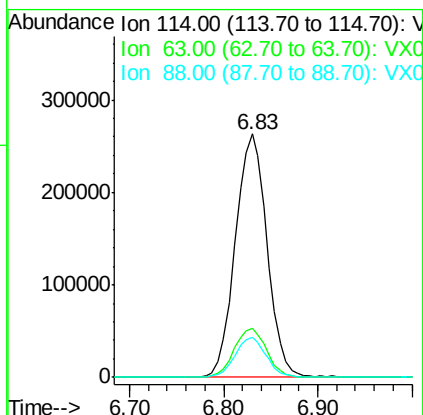
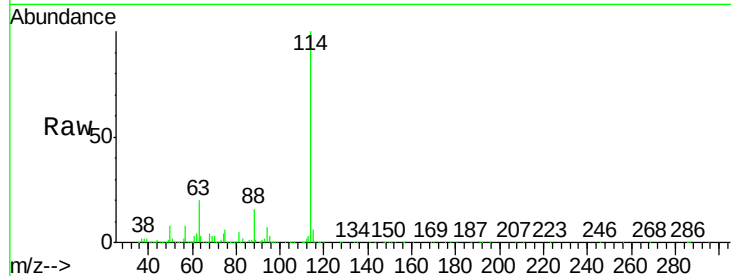




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017613.D
 Acq: 27 Jul 2020 13:12

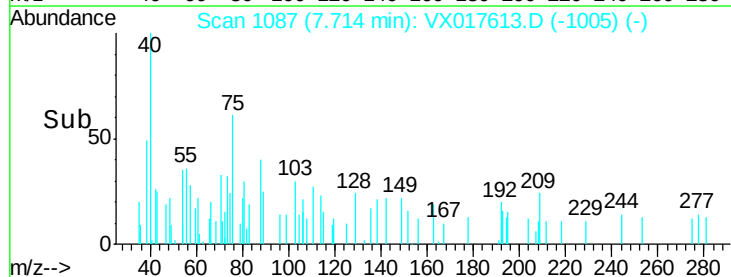
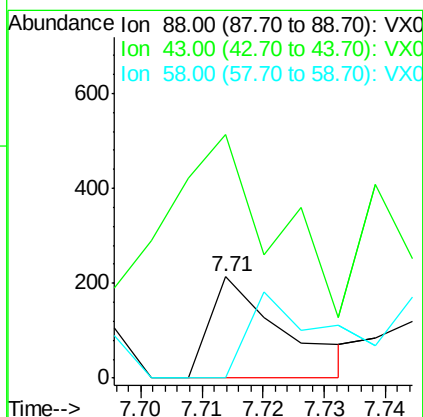
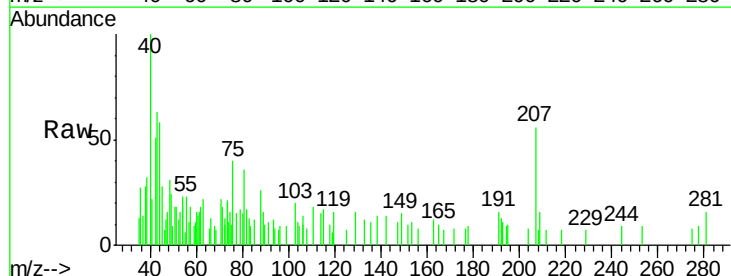
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0727WBL01

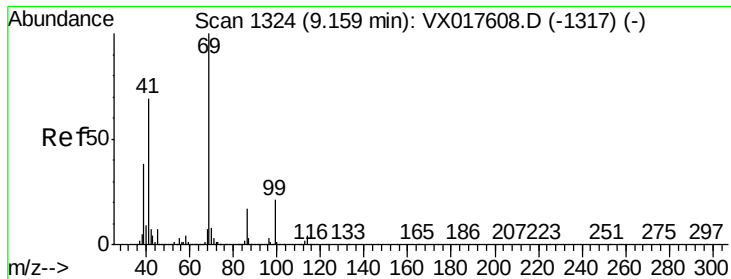
Tgt Ion: 114 Resp: 617313
 Ion Ratio Lower Upper
 114 100
 63 20.6 16.3 24.5
 88 16.1 12.6 18.8



#45
 1,4-Dioxane
 Concen: 1.079 ug/l
 RT: 7.71 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX017613.D
 Acq: 27 Jul 2020 13:12

Tgt Ion: 88 Resp: 178
 Ion Ratio Lower Upper
 88 100
 43 247.2 29.0 43.6#
 58 95.5 55.6 83.4#





#51

Ethyl methacrylate

Concen: 0.272 ug/l

RT: 8.70 min Scan# 1249

Delta R.T. -0.46 min

Lab File: VX017613.D

Acq: 27 Jul 2020 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0727WBL01

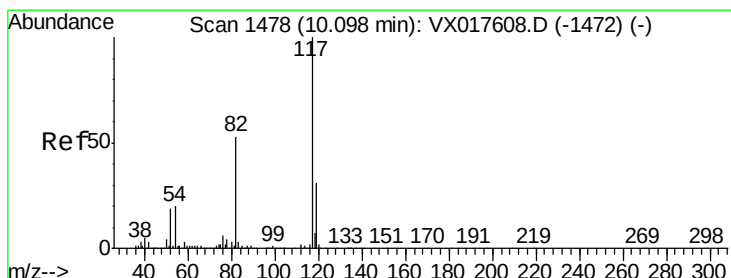
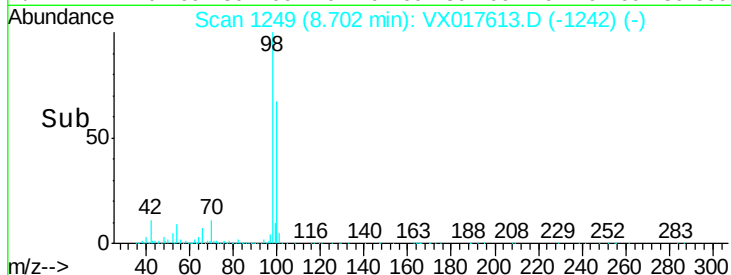
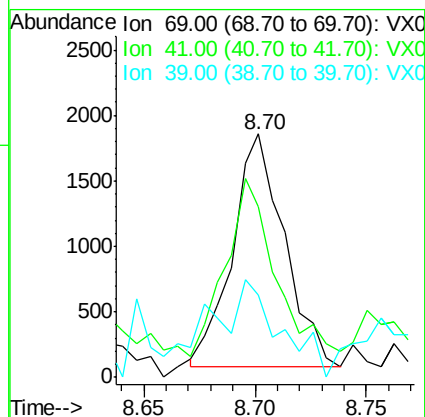
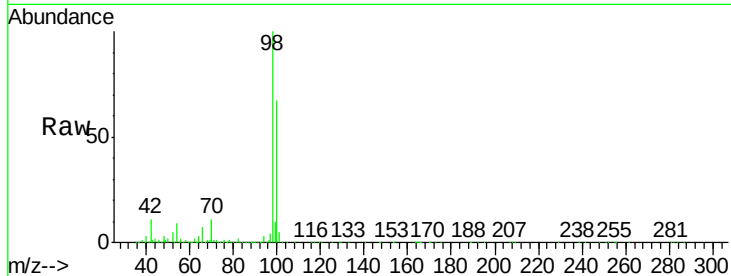
Tgt Ion: 69 Resp: 2887

Ion Ratio Lower Upper

69 100

41 64.4 34.4 103.2

39 23.5 19.1 57.1



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017613.D

Acq: 27 Jul 2020 13:12

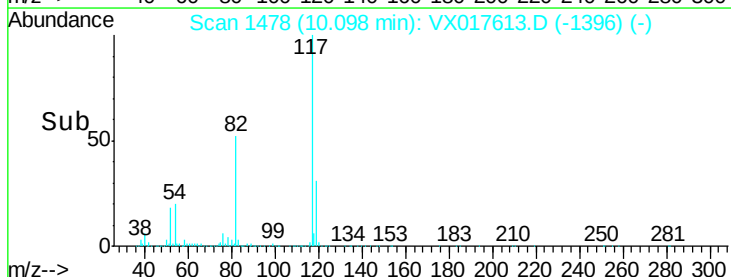
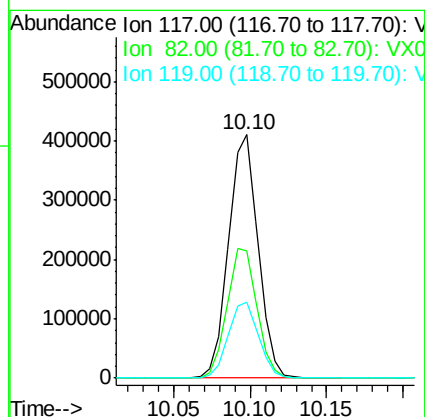
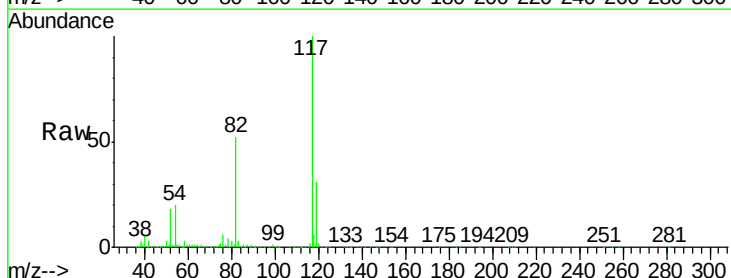
Tgt Ion: 117 Resp: 549606

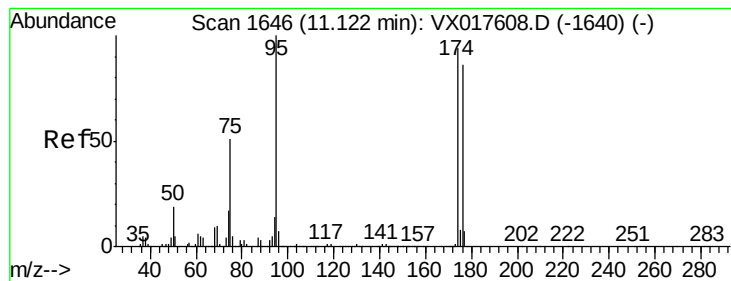
Ion Ratio Lower Upper

117 100

82 54.3 43.6 65.4

119 31.9 25.7 38.5





#60

4-Bromofluorobenzene

Concen: 28.117 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017613.D

Acq: 27 Jul 2020 13:12

Instrument :

MSVOA_X

ClientSampleId :

VX0727WBL01

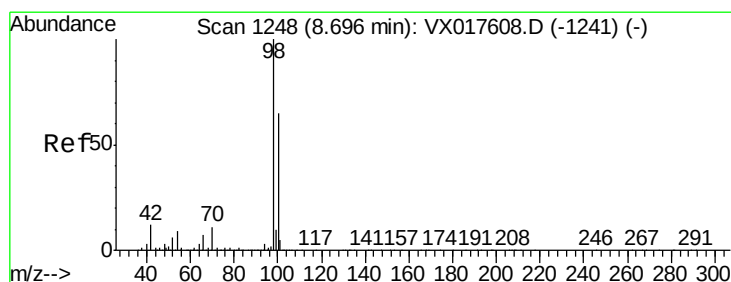
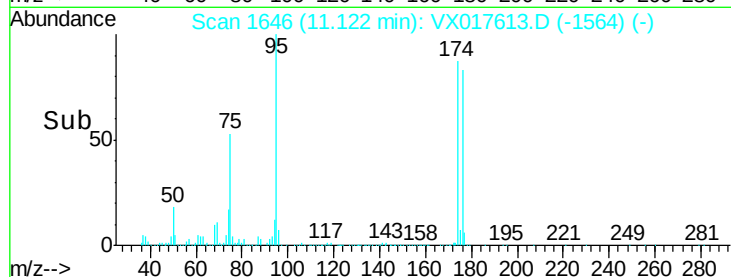
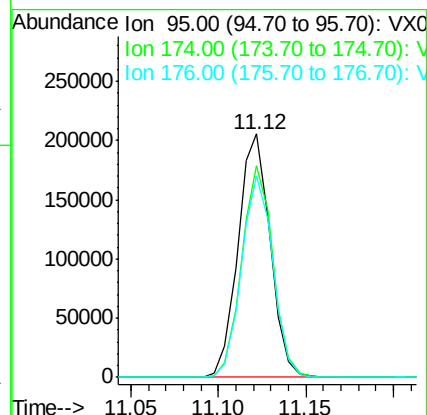
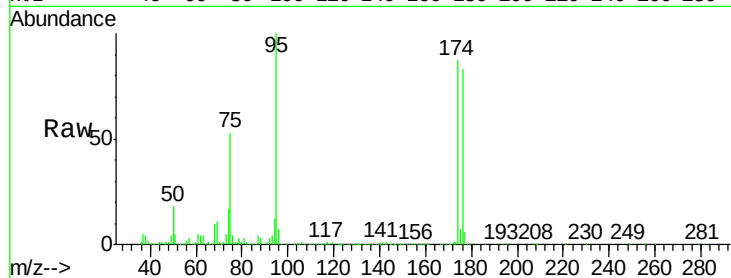
Tgt Ion: 95 Resp: 261703

Ion Ratio Lower Upper

95 100

174 84.6 70.2 105.2

176 81.0 65.6 98.4



#63

Toluene-d8

Concen: 28.964 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017613.D

Acq: 27 Jul 2020 13:12

Tgt Ion: 98 Resp: 704438

Ion Ratio Lower Upper

98 100

100 65.1 51.9 77.9

