

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011520\
 Data File : VX014620.D
 Acq On : 15 Jan 2020 15:51
 Operator : JC/SP
 Sample : L1123-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP-01

Quant Time: Jan 16 01:12:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	77397	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	429399	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	376357	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	166404	30.59	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.97%
60) 4-Bromofluorobenzene	11.14	95	167310	27.78	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.60%
63) Toluene-d8	8.71	98	512063	30.12	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.40%

Target Compounds

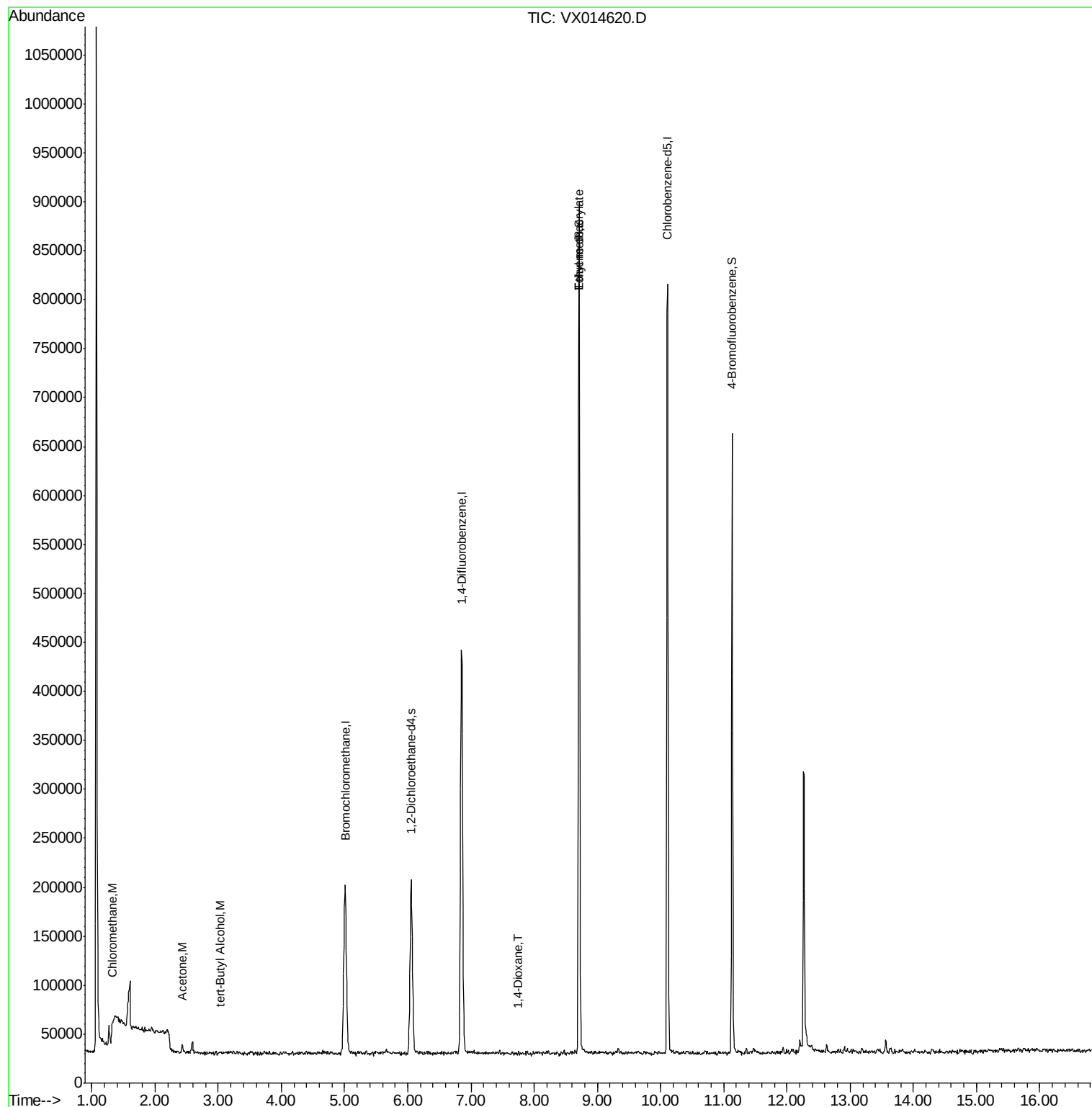
					Qvalue
3) Chloromethane	1.32	50	2041	0.349 ug/l	95
15) Acetone	2.43	58	2655	2.990 ug/l	89
23) tert-Butyl Alcohol	3.03	59	816	0.745 ug/l #	77
45) 1,4-Dioxane	7.74	88	44	0.378 ug/l #	1
51) Ethyl methacrylate	8.71	69	1654	0.215 ug/l	71

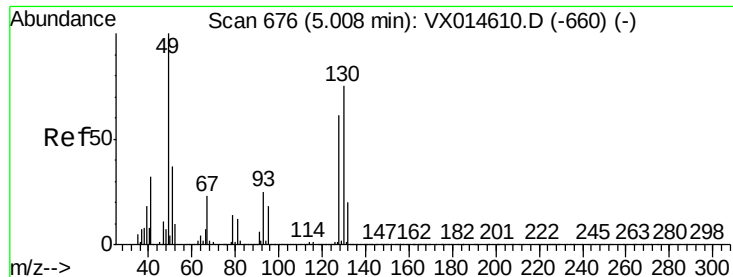
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jan 15 12:41:12 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.00 min

Lab File: VX014620.D

Acq: 15 Jan 2020 15:51

Instrument :

MSVOA_X

ClientSampled :

TWP-01

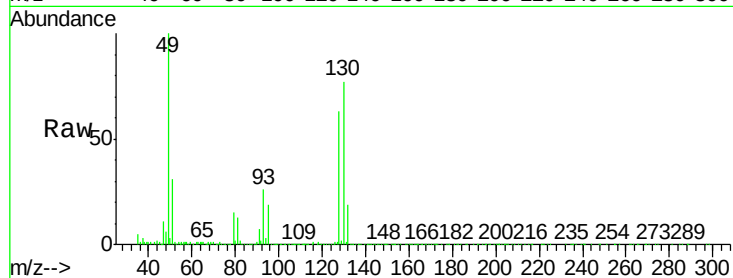
Tgt Ion:128 Resp: 77397

Ion Ratio Lower Upper

128 100

49 163.3 0.0 405.0

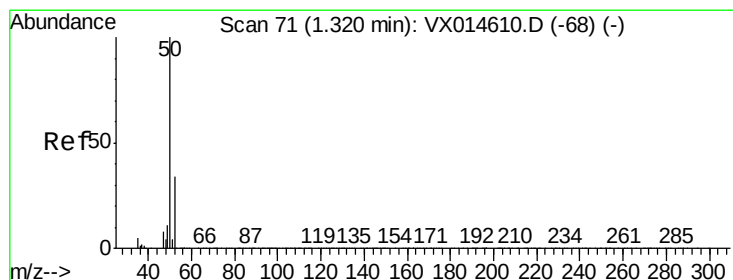
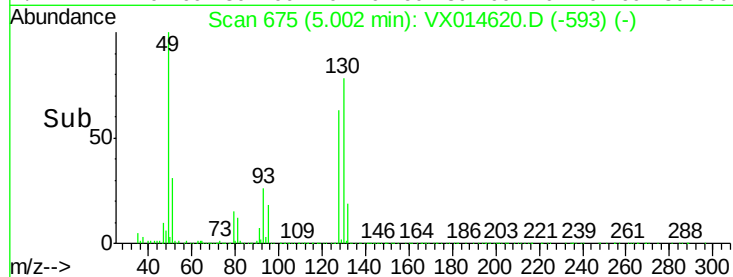
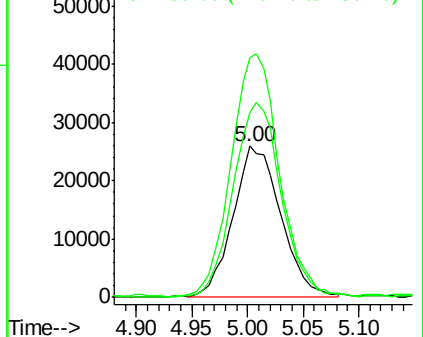
130 128.0 0.0 321.5



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



#3

Chloromethane

Concen: 0.349 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014620.D

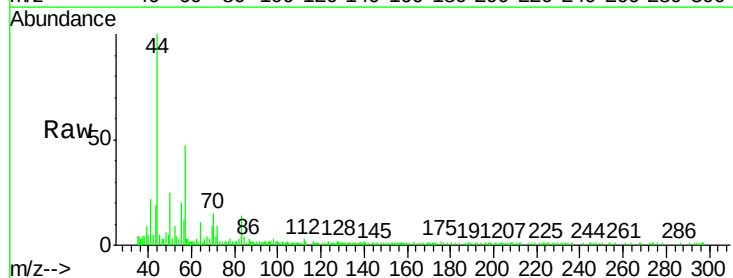
Acq: 15 Jan 2020 15:51

Tgt Ion: 50 Resp: 2041

Ion Ratio Lower Upper

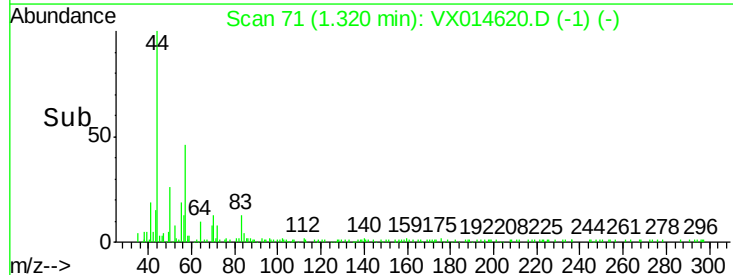
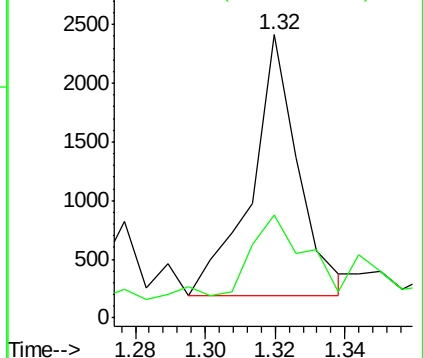
50 100

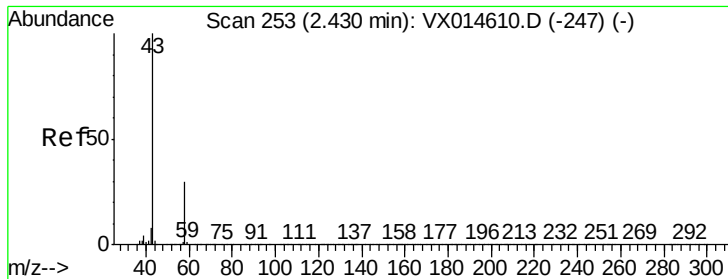
52 27.6 24.3 36.5



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#15

Acetone

Concen: 2.990 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014620.D

Acq: 15 Jan 2020 15:51

Instrument :

MSVOA_X

ClientSampled :

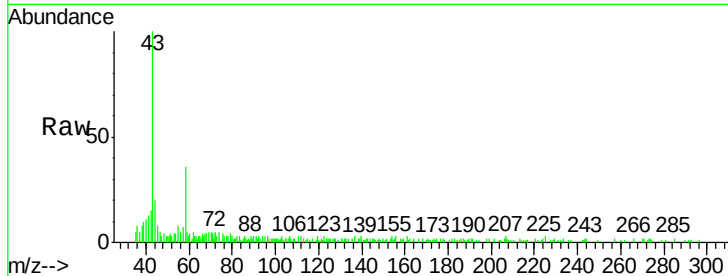
TWP-01

Tgt Ion: 58 Resp: 2655

Ion Ratio Lower Upper

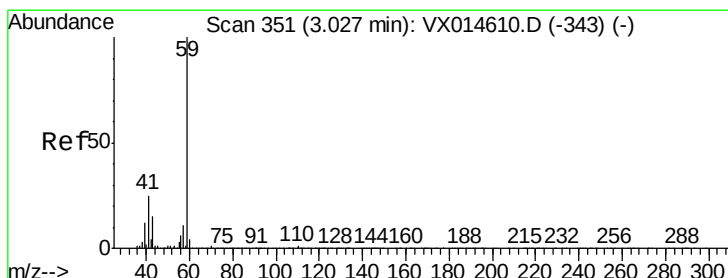
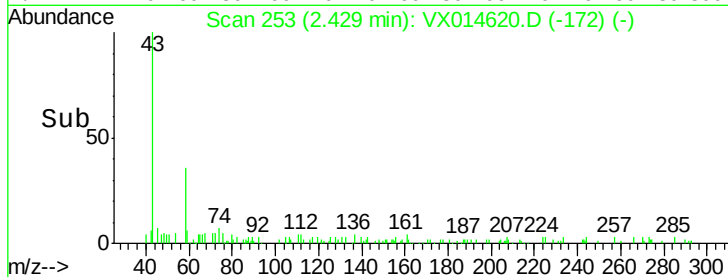
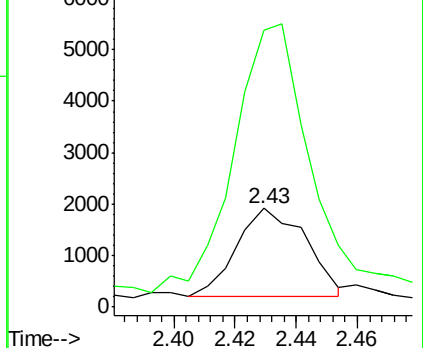
58 100

43 317.3 236.3 354.5



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#23

tert-Butyl Alcohol

Concen: 0.745 ug/l

RT: 3.03 min Scan# 352

Delta R.T. -0.01 min

Lab File: VX014620.D

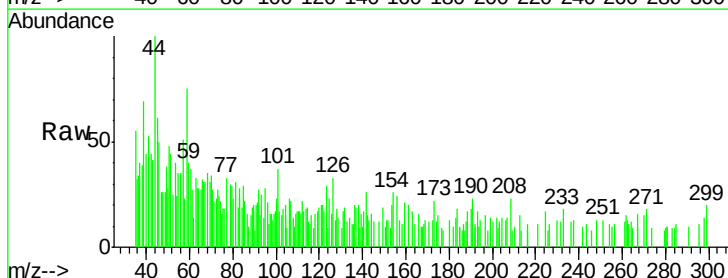
Acq: 15 Jan 2020 15:51

Tgt Ion: 59 Resp: 816

Ion Ratio Lower Upper

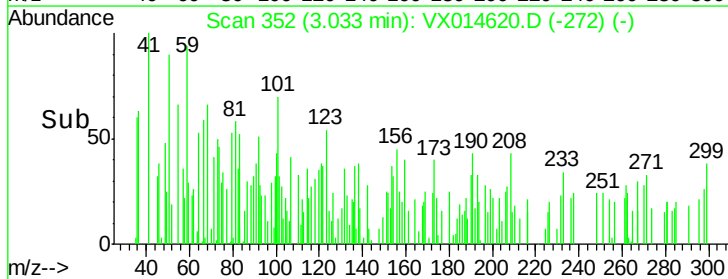
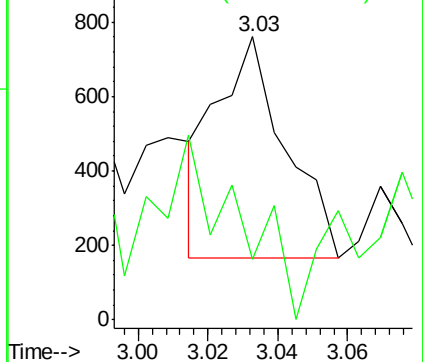
59 100

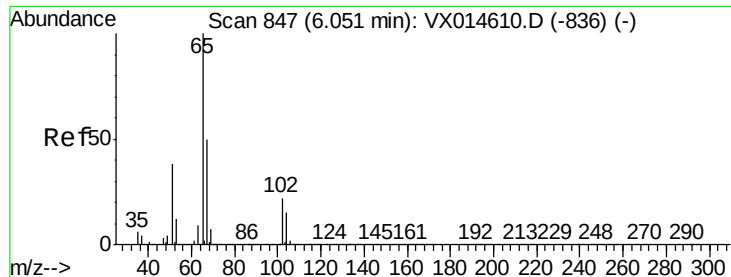
52 29.3 0.2 0.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 30.588 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014620.D

Acq: 15 Jan 2020 15:51

Instrument :

MSVOA_X

ClientSampleId :

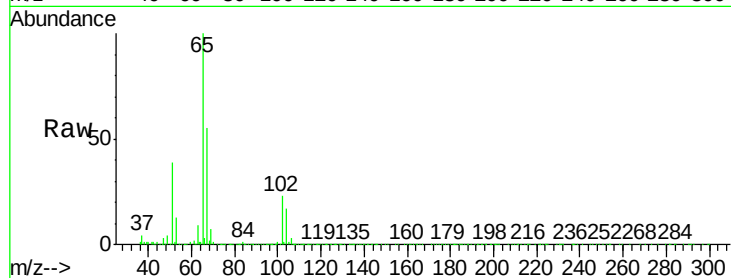
TWP-01

Tgt Ion: 65 Resp: 166404

Ion Ratio Lower Upper

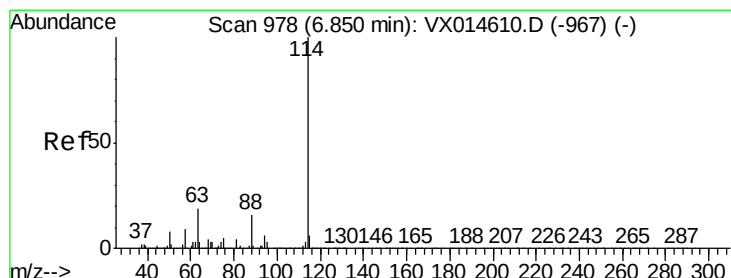
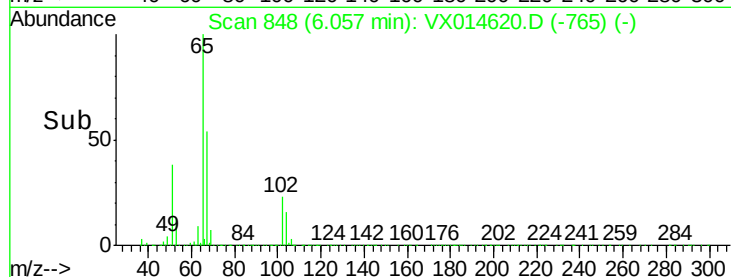
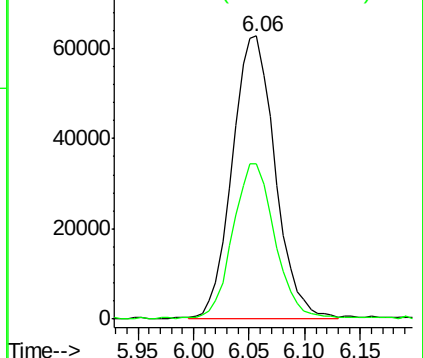
65 100

67 54.2 43.1 64.7



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: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014620.D

Acq: 15 Jan 2020 15:51

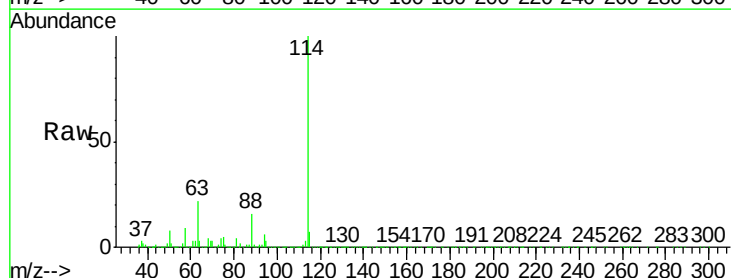
Tgt Ion: 114 Resp: 429399

Ion Ratio Lower Upper

114 100

63 20.6 16.1 24.1

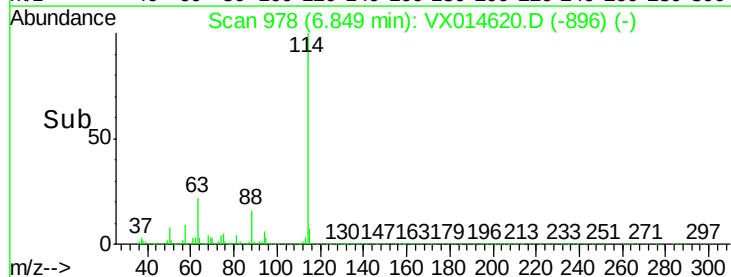
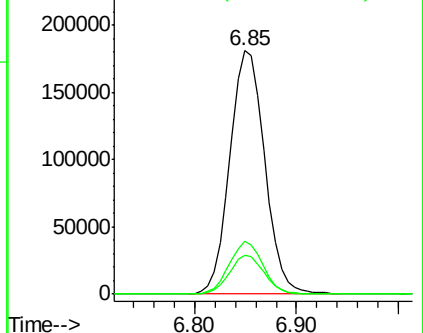
88 15.6 12.5 18.7

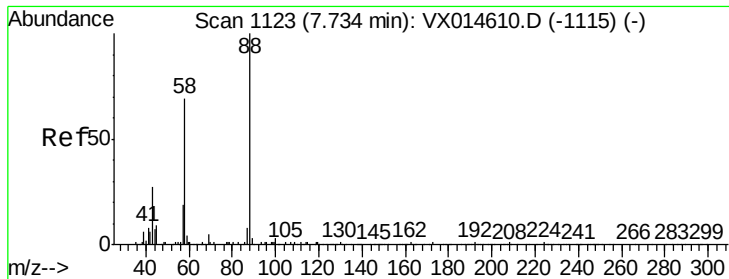


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#45

1,4-Dioxane

Concen: 0.378 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX014620.D

Acq: 15 Jan 2020 15:51

Instrument :

MSVOA_X

ClientSampled :

TWP-01

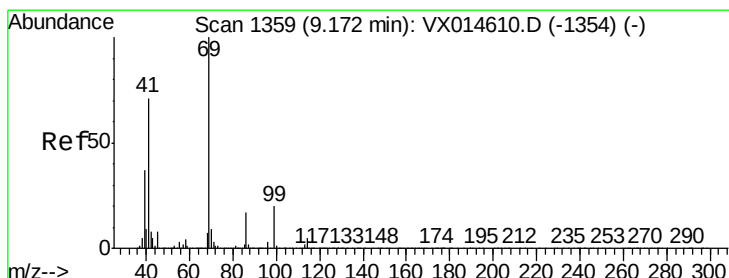
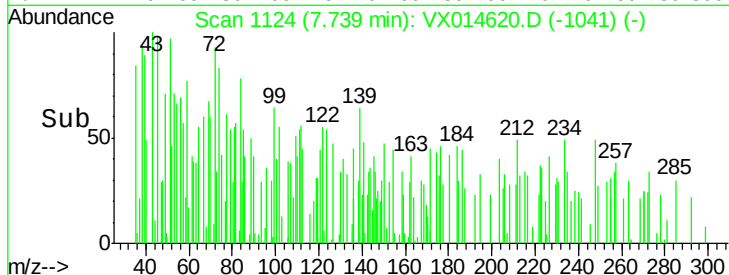
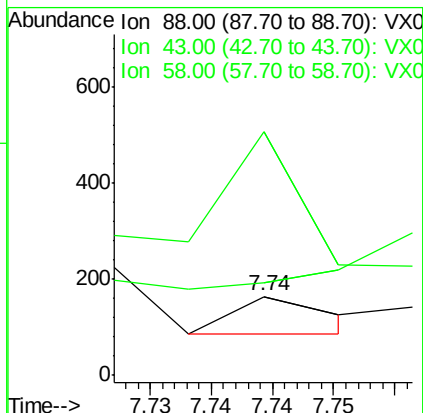
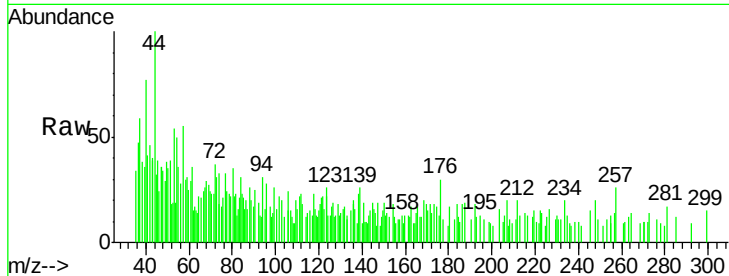
Tgt Ion: 88 Resp: 44

Ion Ratio Lower Upper

88 100

43 322.7 25.4 38.2#

58 0.0 56.5 84.7#



#51

Ethyl methacrylate

Concen: 0.215 ug/l

RT: 8.71 min Scan# 1284

Delta R.T. -0.46 min

Lab File: VX014620.D

Acq: 15 Jan 2020 15:51

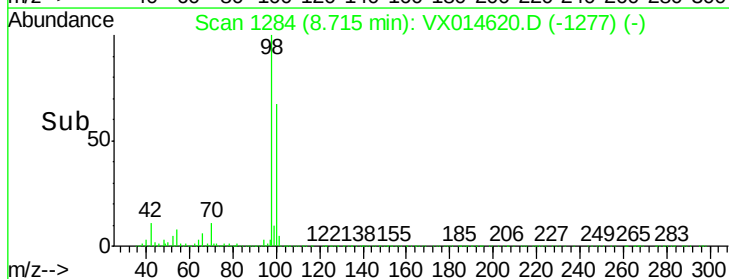
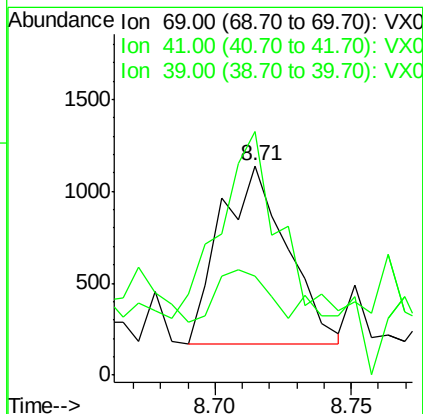
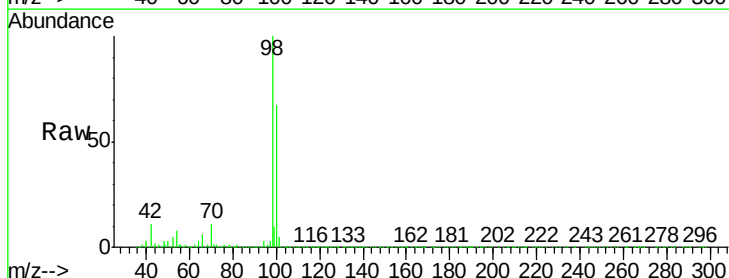
Tgt Ion: 69 Resp: 1654

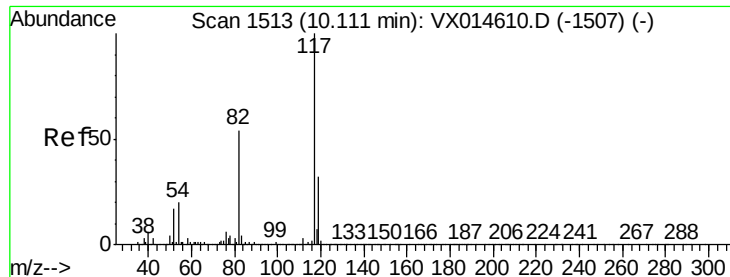
Ion Ratio Lower Upper

69 100

41 100.0 35.4 106.1

39 26.0 17.8 53.3

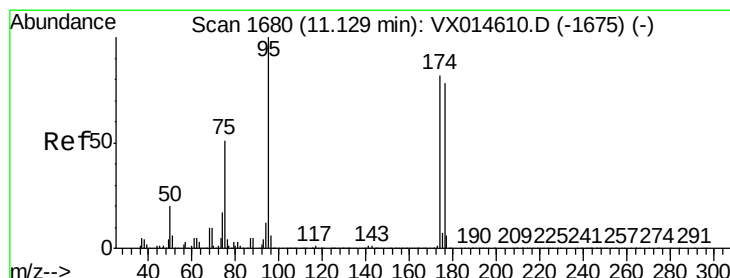
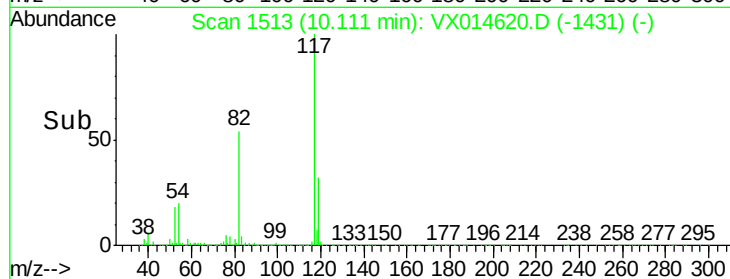
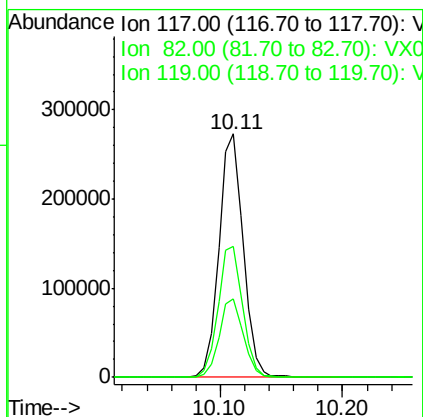
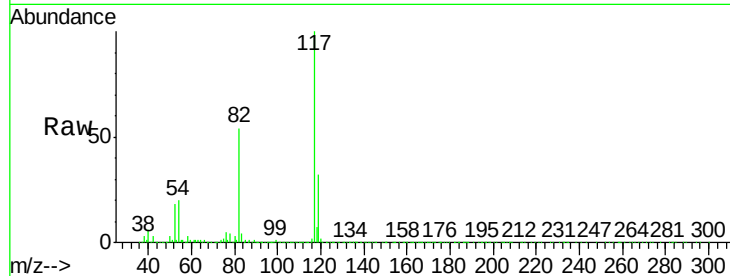




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014620.D
Acq: 15 Jan 2020 15:51

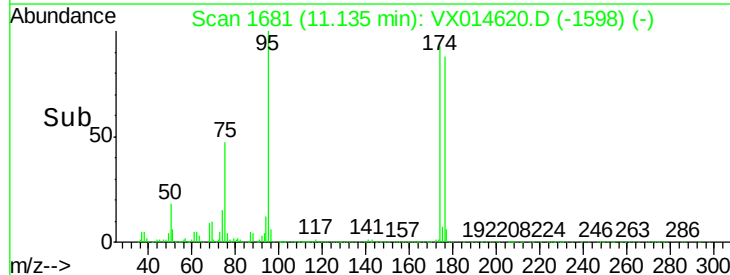
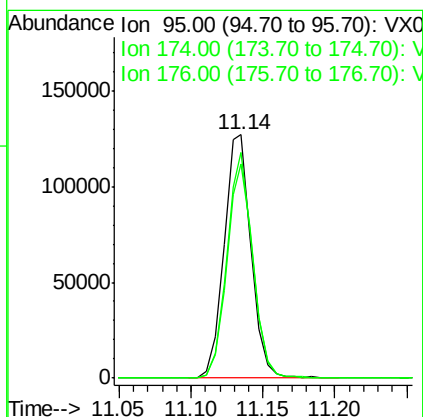
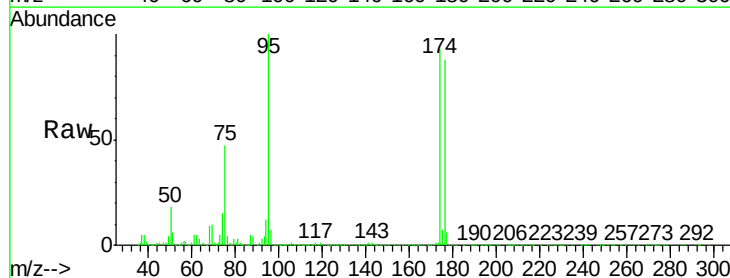
Instrument :
MSVOA_X
ClientSampleId :
TWP-01

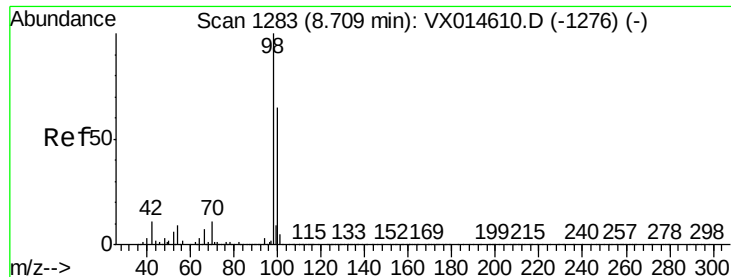
Tgt Ion: 117 Resp: 376357
Ion Ratio Lower Upper
117 100
82 54.5 43.8 65.6
119 31.9 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 27.781 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX014620.D
Acq: 15 Jan 2020 15:51

Tgt Ion: 95 Resp: 167310
Ion Ratio Lower Upper
95 100
174 88.4 70.2 105.2
176 85.6 68.3 102.5





#63

Toluene-d8

Concen: 30.122 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014620.D

Acq: 15 Jan 2020 15:51

Instrument :

MSVOA_X

ClientSampleId :

TWP-01

Tgt Ion: 98 Resp: 512063

Ion Ratio Lower Upper

98 100

100 66.0 52.2 78.2

