

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121719\
 Data File : VX014074.D
 Acq On : 18 Dec 2019 01:51
 Operator : JC/SP
 Sample : K6348-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Dec 18 07:22:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	94535	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	497995	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	442271	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	200967	29.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.93%
60) 4-Bromofluorobenzene	11.14	95	189126	26.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.27%
63) Toluene-d8	8.71	98	603725	30.54	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.80%

Target Compounds

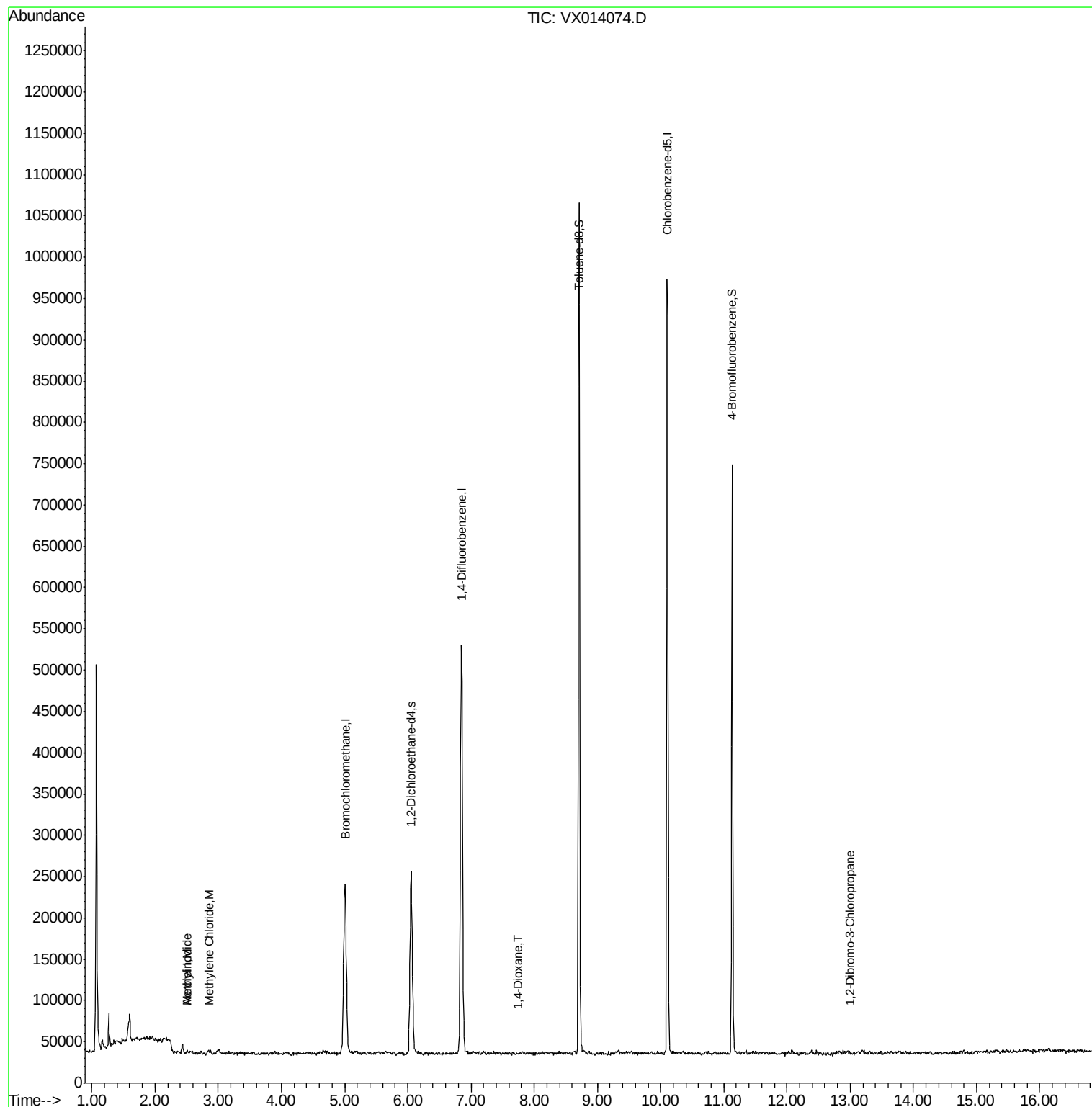
					Ovalue
11) Methyl Iodide	2.51	142	1503	0.221 ug/l	88
13) Acrolein	2.51	56	249	0.251 ug/l	94
18) Methylene Chloride	2.85	84	1640	0.253 ug/l #	72
45) 1,4-Dioxane	7.75	88	27	0.212 ug/l #	1
88) 1,2-Dibromo-3-Chloropropan	12.98	75	540	0.303 ug/l #	5

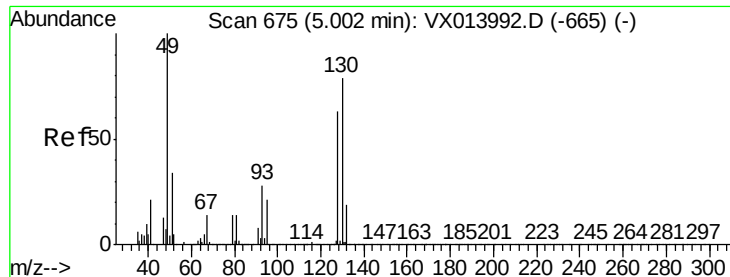
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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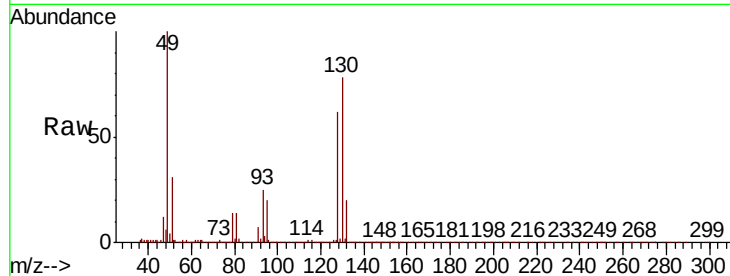


#1

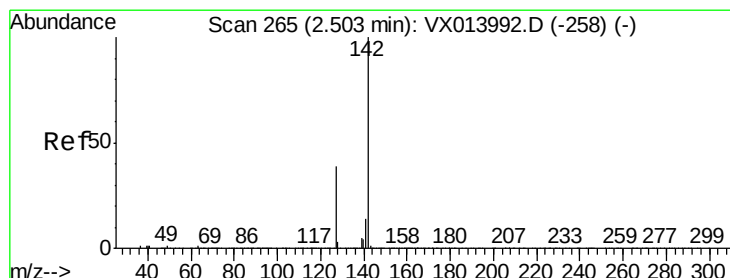
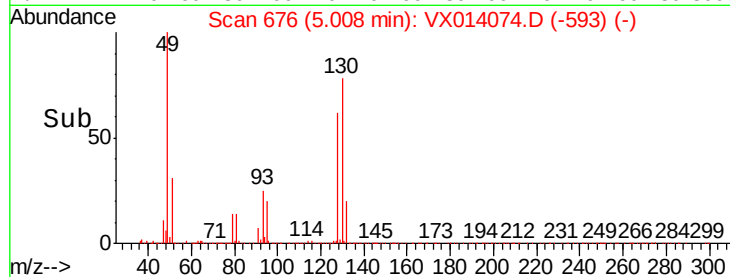
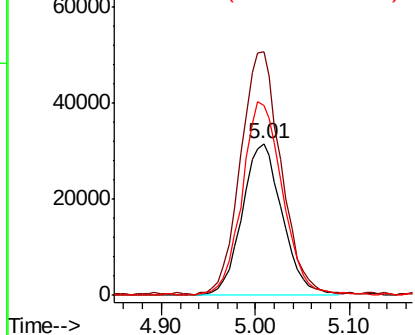
Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.01 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: VX014074.D
 Acq: 18 Dec 2019 01:51

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Tot Ion	Ratio	Lower	Upper
128	100		
49	161.3	0.0	405.0
130	127.3	0.0	321.5



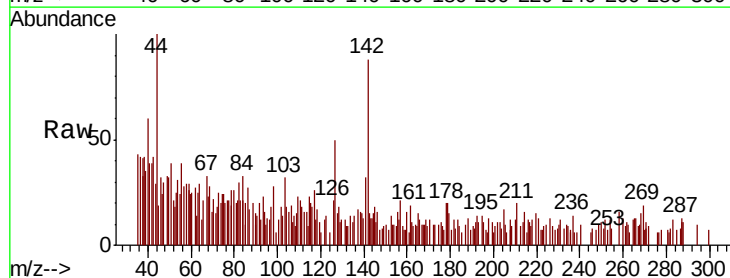
Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VX0
 Ion 130.00 (129.70 to 130.70): V



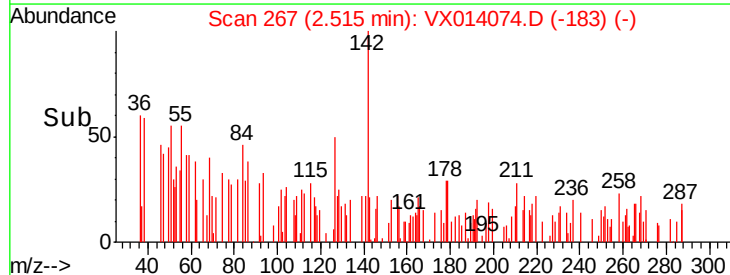
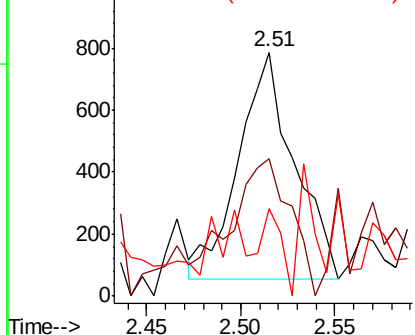
#11

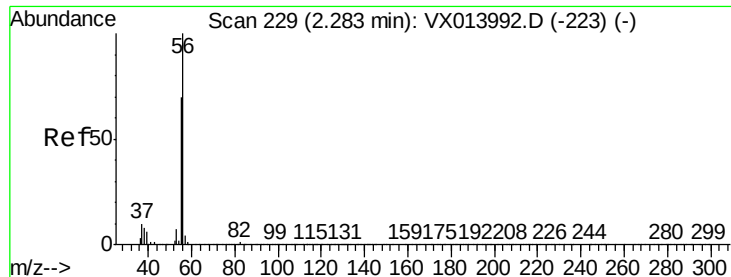
Methyl Iodide
 Concen: 0.221 ug/l
 RT: 2.51 min Scan# 267
 Delta R.T. 0.01 min
 Lab File: VX014074.D
 Acq: 18 Dec 2019 01:51

Tgt Ion	Ratio	Lower	Upper
142	100		
127	31.4	19.5	58.5
141	9.0	7.0	20.9



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

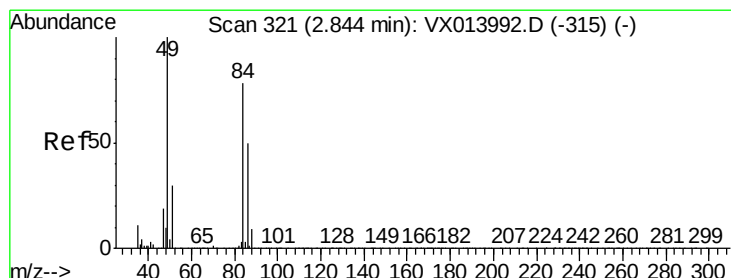
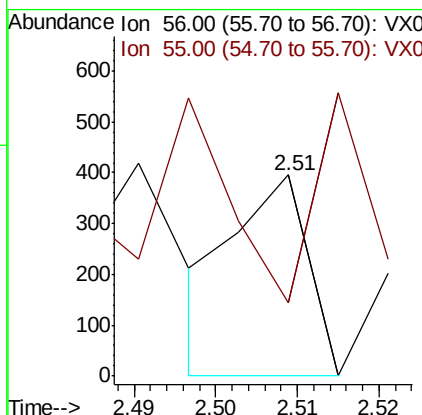
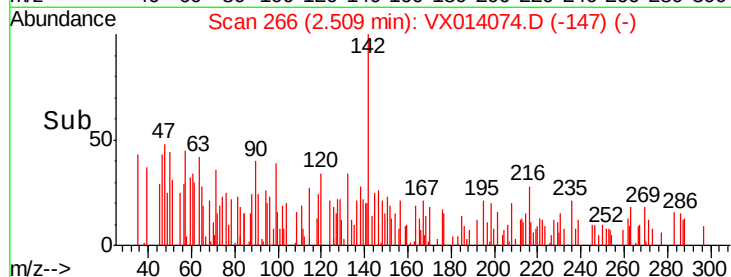
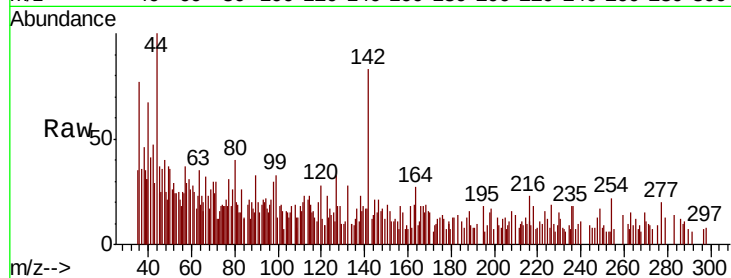




#13
Acrolein
Concen: 0.251 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.23 min
Lab File: VX014074.D
Acq: 18 Dec 2019 01:51

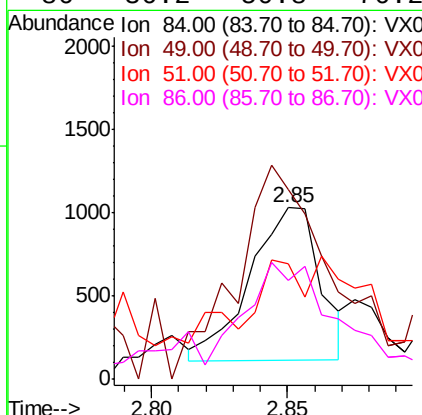
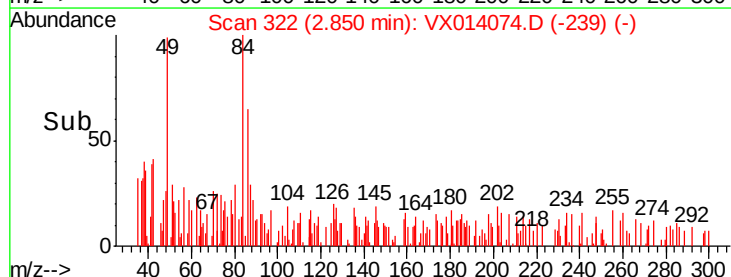
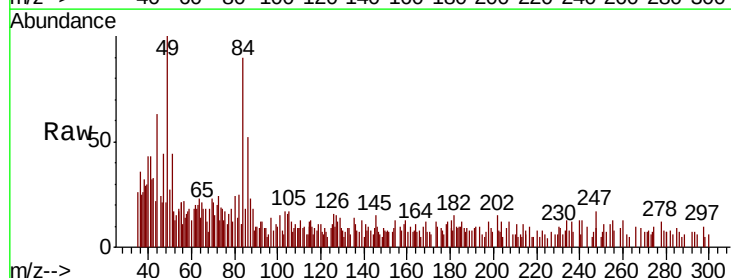
Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

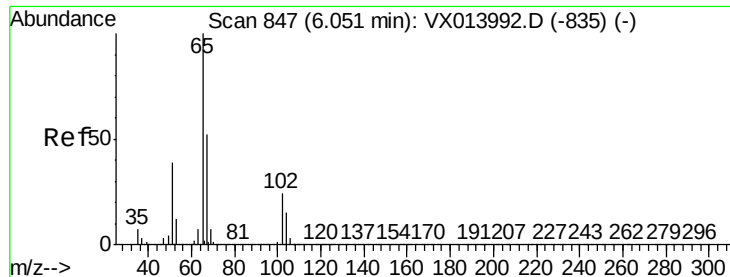
Tot Ion: 56 Resp: 249
Ion Ratio Lower Upper
56 100
55 73.5 54.9 82.3



#18
Methylene Chloride
Concen: 0.253 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX014074.D
Acq: 18 Dec 2019 01:51

Tgt Ion: 84 Resp: 1640
Ion Ratio Lower Upper
84 100
49 100.5 102.2 153.2#
51 56.8 31.4 47.0#
86 36.2 50.8 76.2#





#27

1,2-Dichloroethane-d4

Concen: 29.683 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014074.D

Acq: 18 Dec 2019 01:51

Instrument :

MSVOA_X

ClientSampleId :

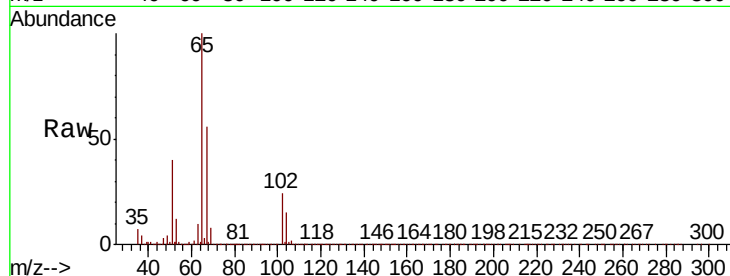
TRIP-BLANK

Tot Ion: 65 Resp: 200967

Ion Ratio Lower Upper

65 100

67 53.8 43.1 64.7



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

80000

60000

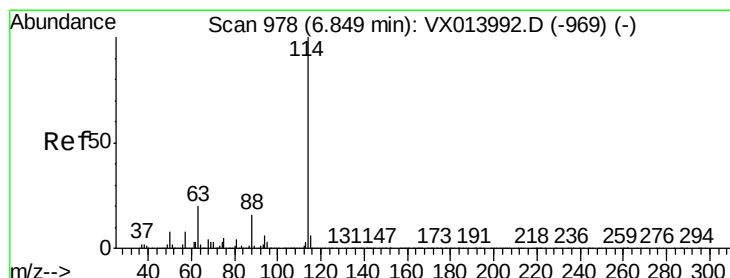
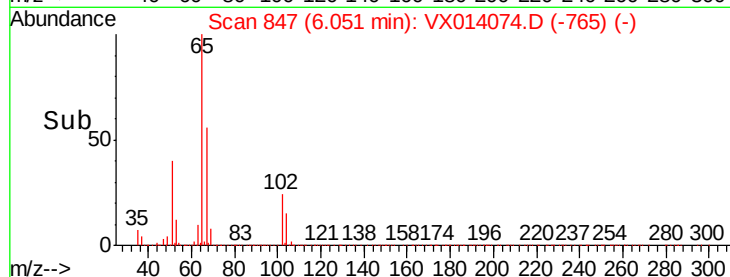
40000

20000

0

6.00 6.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014074.D

Acq: 18 Dec 2019 01:51

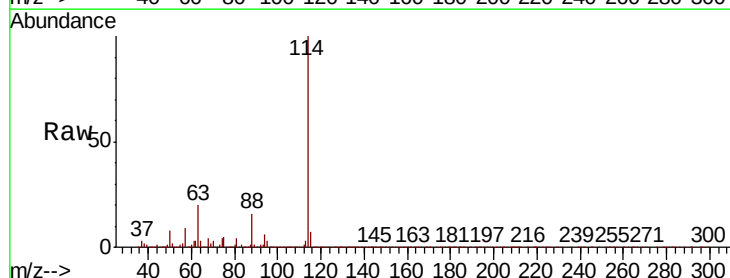
Tgt Ion: 114 Resp: 497995

Ion Ratio Lower Upper

114 100

63 20.2 16.1 24.1

88 16.1 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

300000

250000

200000

150000

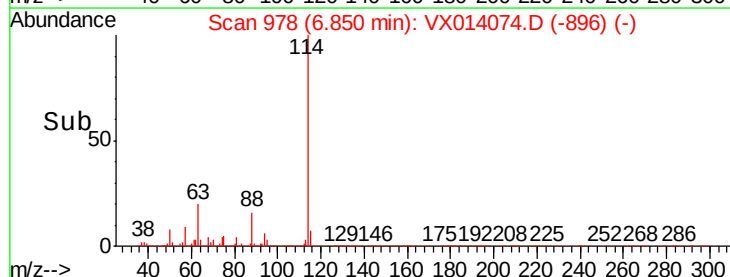
100000

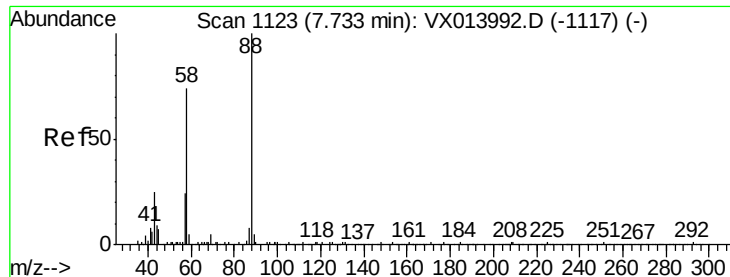
50000

0

6.75 6.80 6.85 6.90 6.95

Time-->





#45

1,4-Dioxane

Concen: 0.212 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VX014074.D

Acq: 18 Dec 2019 01:51

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

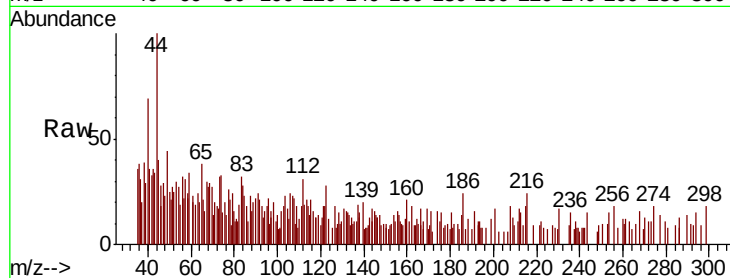
Tot Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 0.0 25.4 38.2#

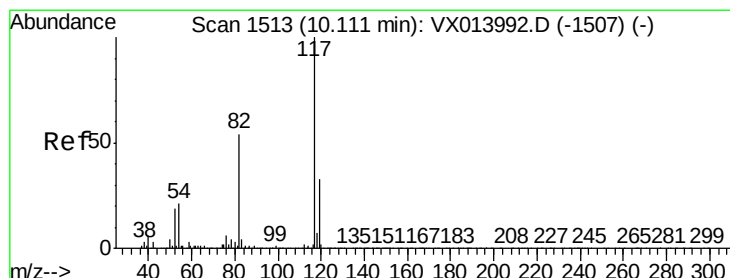
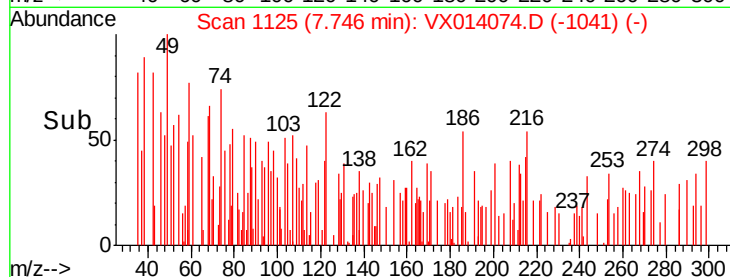
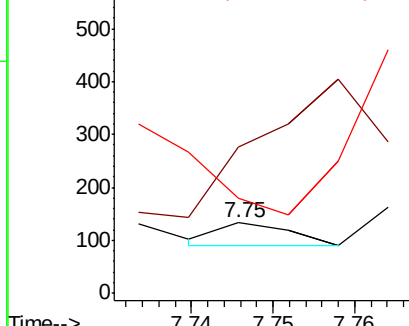
58 655.6 56.5 84.7#



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



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX014074.D

Acq: 18 Dec 2019 01:51

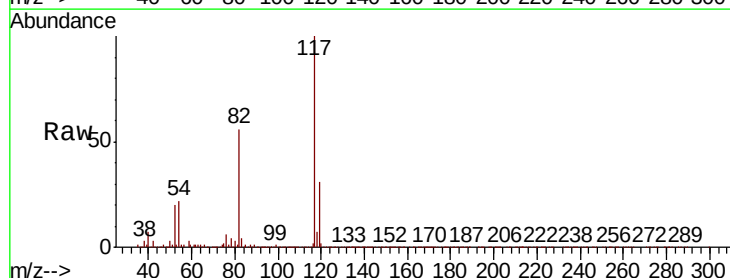
Tgt Ion: 117 Resp: 442271

Ion Ratio Lower Upper

117 100

82 54.0 43.8 65.6

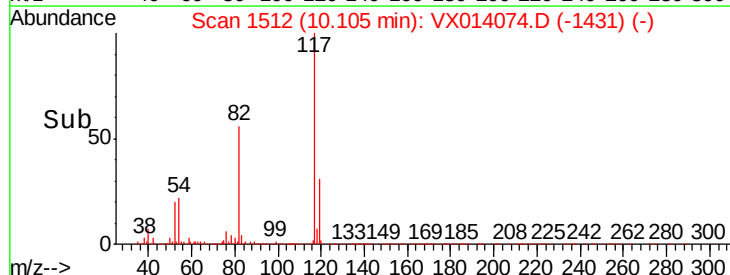
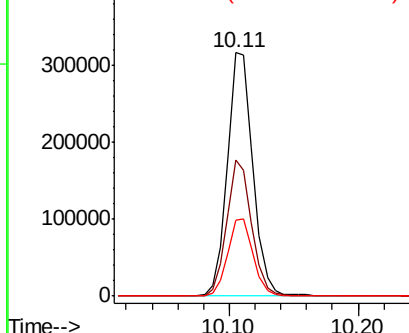
119 31.3 25.8 38.6

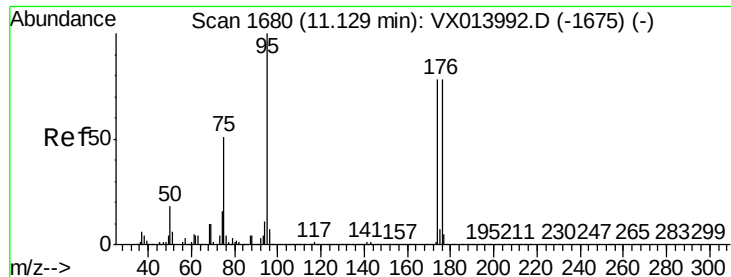


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V

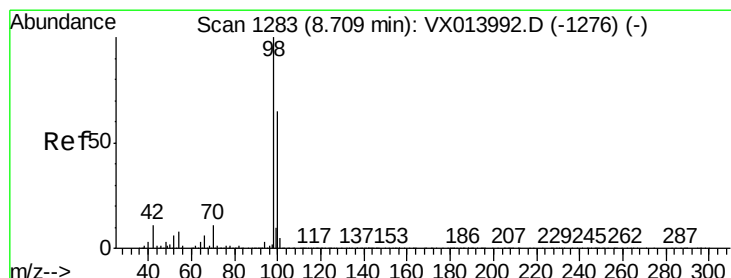
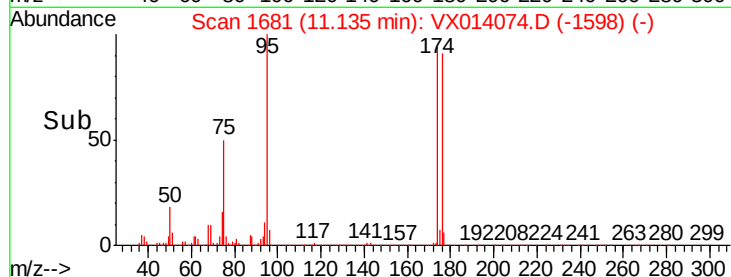
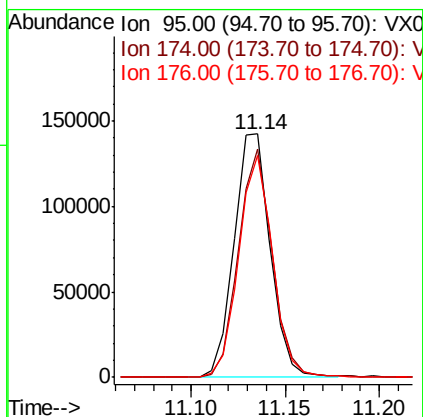
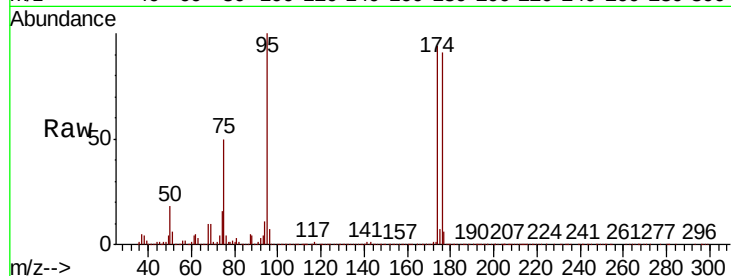




#60
4-Bromofluorobenzene
Concen: 26.482 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX014074.D
Acq: 18 Dec 2019 01:51

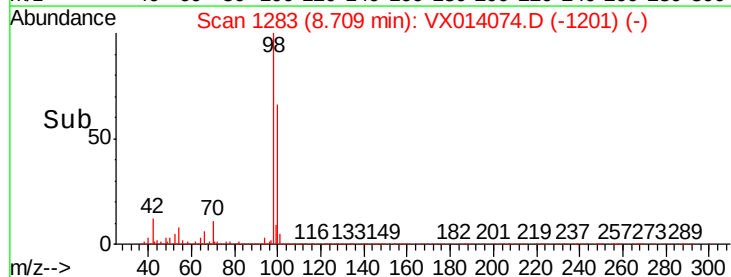
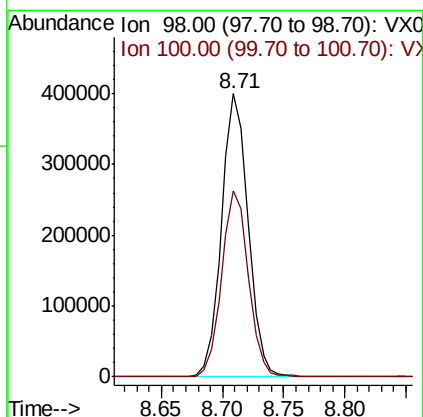
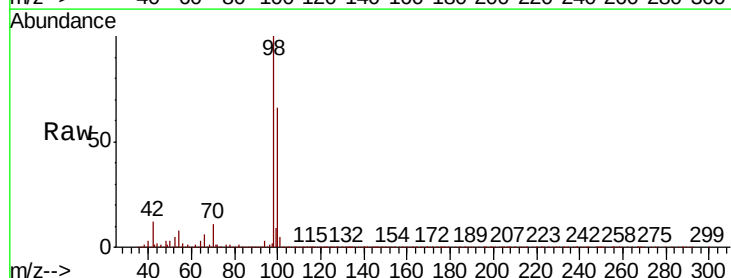
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

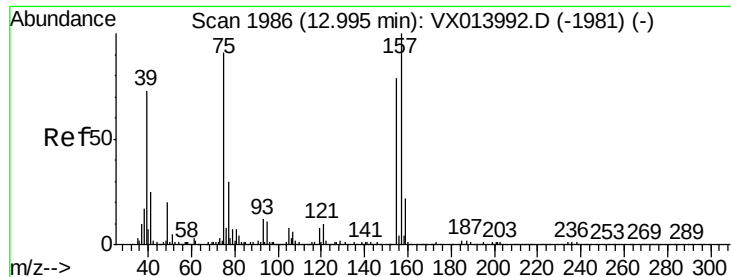
Tot Ion	Ratio	Lower	Upper
95	100		
174	88.2	70.2	105.2
176	85.9	68.3	102.5



#63
Toluene-d8
Concen: 30.539 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014074.D
Acq: 18 Dec 2019 01:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.2	78.2





#88

1,2-Dibromo-3-Chloropropane

Concen: 0.303 ug/l

RT: 12.98 min Scan# 1984

Delta R.T. -0.01 min

Lab File: VX014074.D

Acq: 18 Dec 2019 01:51

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

Tot Ion: 75 Resp: 540

Ion Ratio Lower Upper

75 100

155 16.5 73.8 110.6#

157 0.0 95.0 142.4#

