

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030818\
 Data File : VX000246.D
 Acq On : 09 Mar 2018 02:31
 Operator : JC/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VIBLK

Quant Time: Mar 09 05:51:31 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X022018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 21 06:17:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.04	128	19563	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	6.87	114	113015	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	101949	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.08	65	49973	33.01	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	110.03%
60) 4-Bromofluorobenzene	11.15	95	46959	28.16	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.87%
63) Toluene-d8	8.73	98	135330	30.99	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.30%

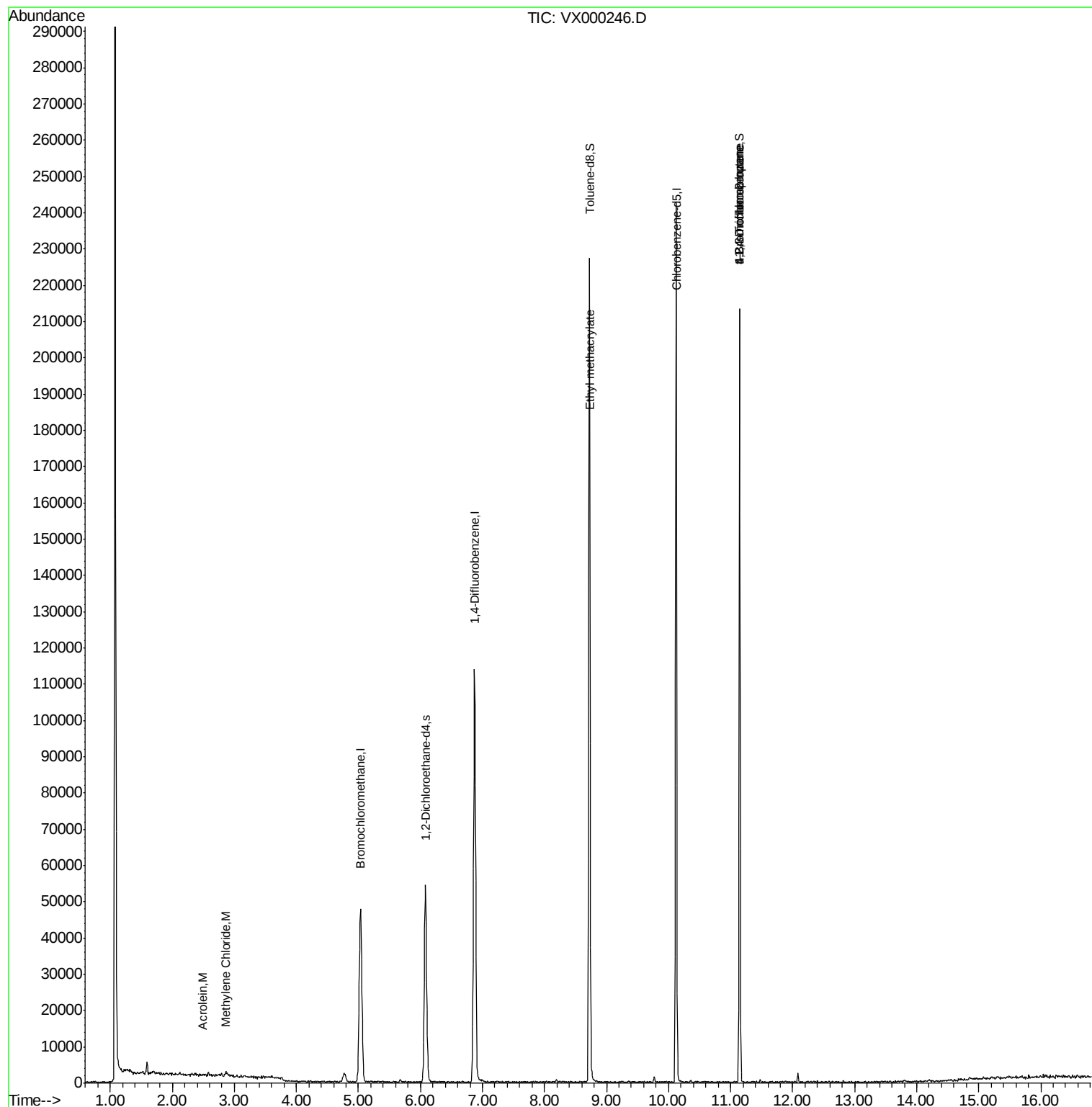
Target Compounds						Ovalue
13) Acrolein	2.48	56	58	0.21	ug/l	99
18) Methylene Chloride	2.87	84	484	0.34	ug/l #	41
51) Ethyl methacrylate	8.74	69	518	0.25	ug/l #	71
72) 1,2,3-Trichloropropane	11.15	75	26961	14.02	ug/l	35
77) t-1,4-Dichloro-2-butene	11.15	75	26961	39.64	ug/l #	11

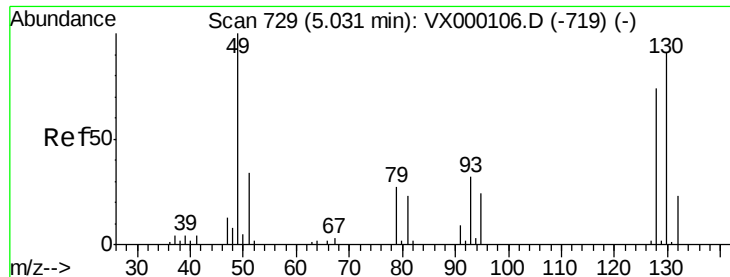
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.04 min Scan# 731

Delta R.T. 0.01 min

Lab File: VX000246.D

Acq: 09 Mar 2018 02:31

Instrument :

MSVOA_X

ClientSampled :

VIBLK

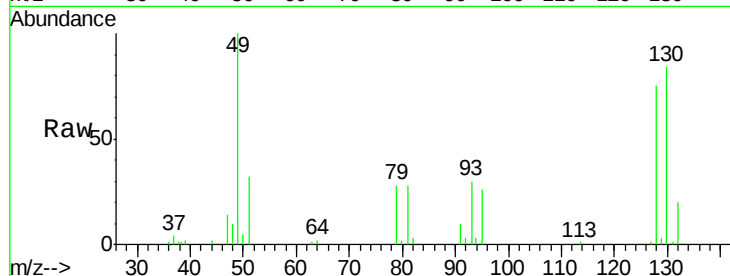
Tot Ion:128 Resp: 19563

Ion Ratio Lower Upper

128 100

49 159.4 0.0 378.3

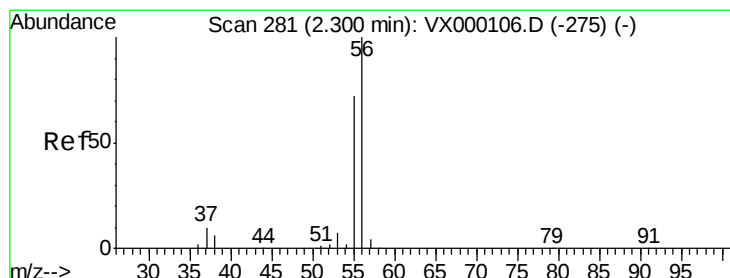
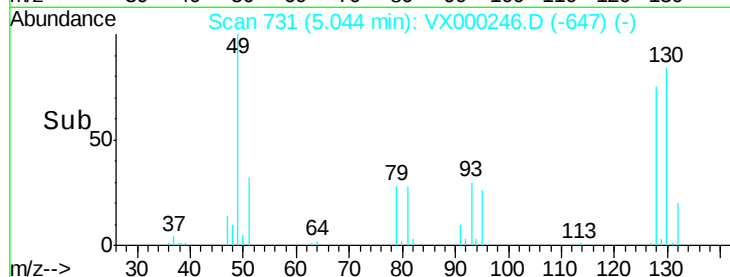
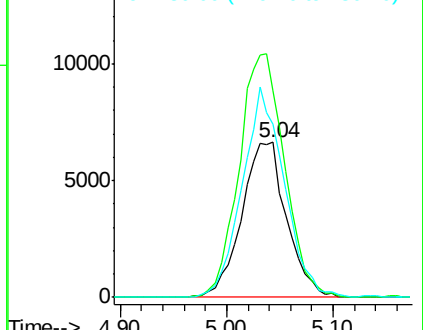
130 126.4 0.0 324.3



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: 0.21 ug/l

RT: 2.48 min Scan# 311

Delta R.T. 0.18 min

Lab File: VX000246.D

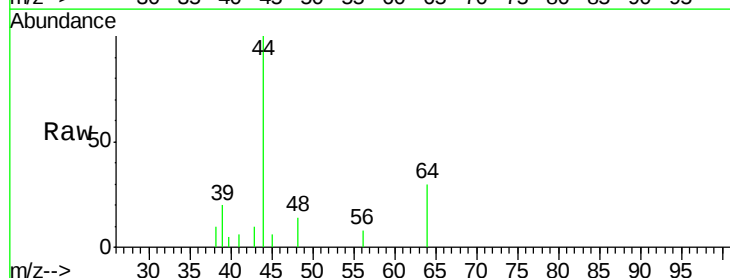
Acq: 09 Mar 2018 02:31

Tgt Ion: 56 Resp: 58

Ion Ratio Lower Upper

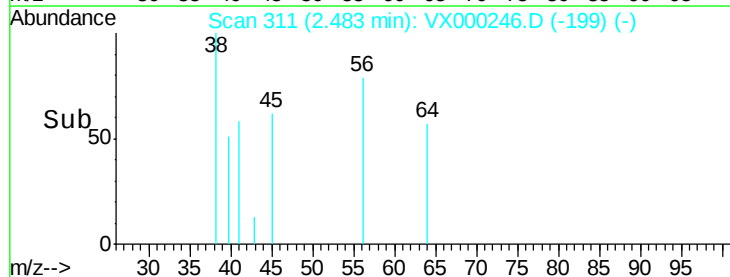
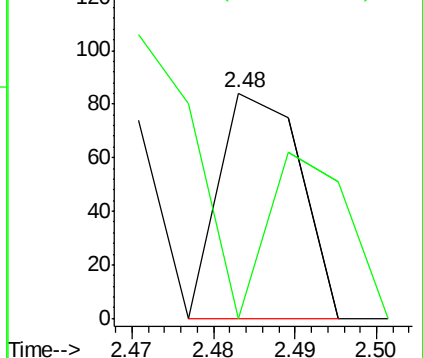
56 100

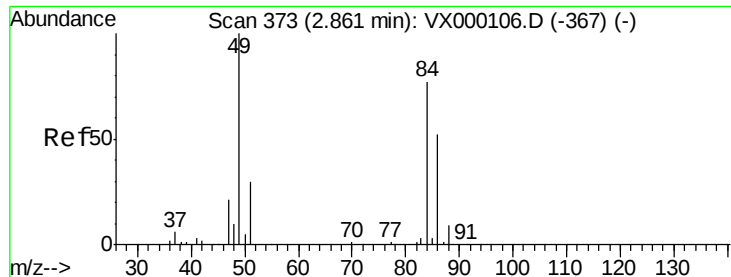
55 70.7 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

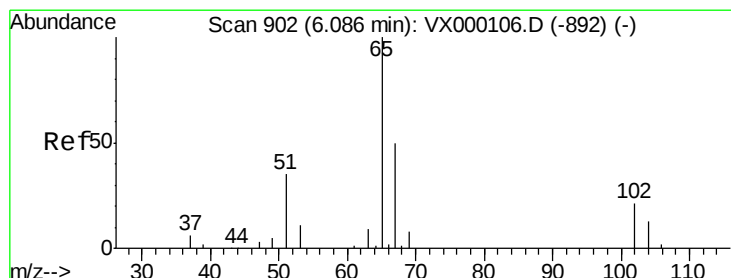
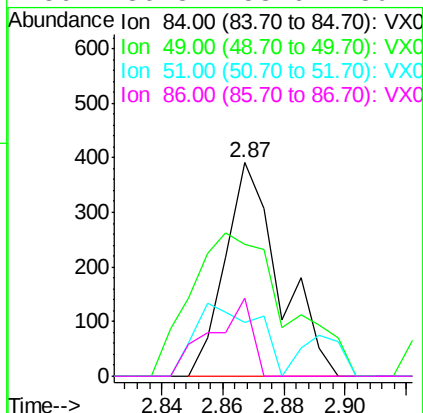
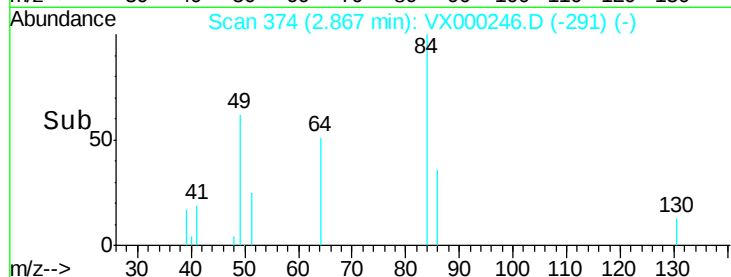
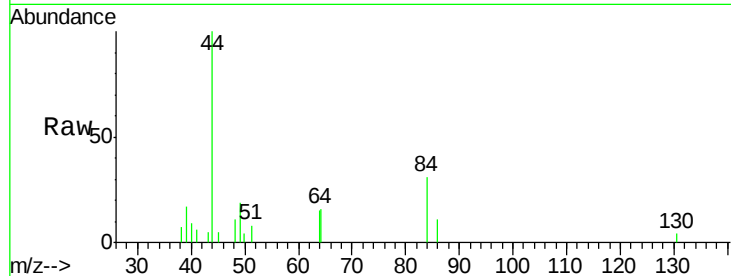




#18
Methvlene Chloride
Concen: 0.34 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX000246.D
Acq: 09 Mar 2018 02:31

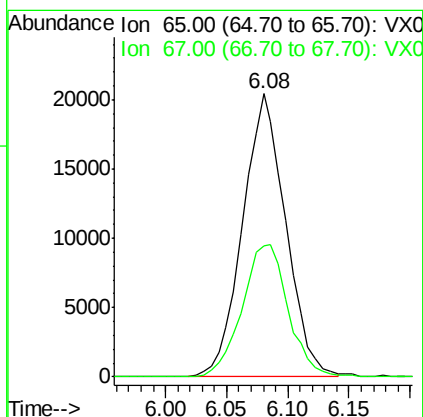
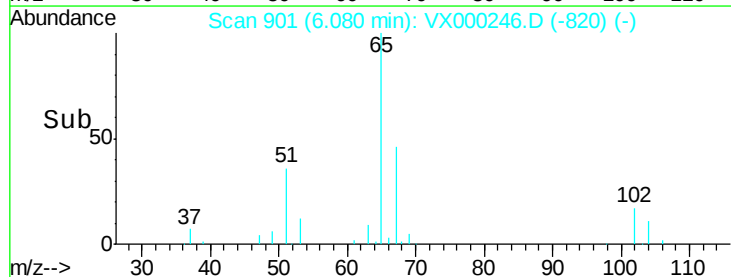
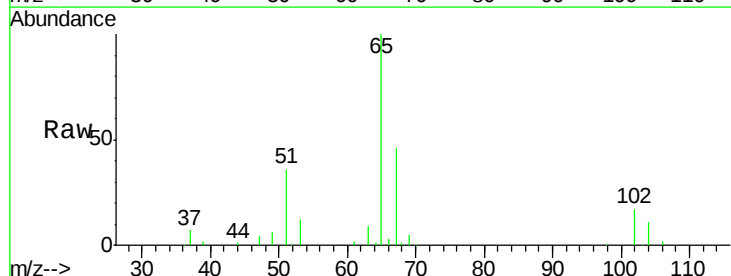
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

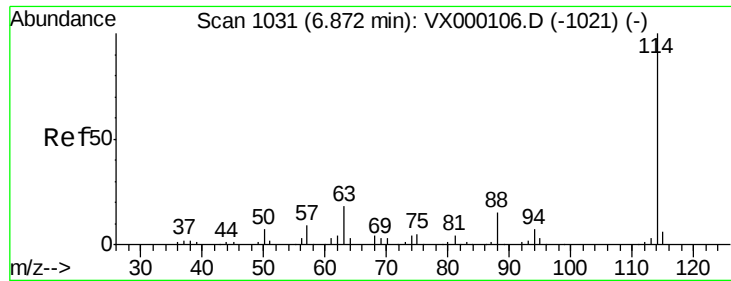
Tot Ion: 84 Resp: 484
Ion Ratio Lower Upper
84 100
49 44.0 103.3 154.9#
51 9.7 31.2 46.8#
86 36.3 53.6 80.4#



#27
1,2-Dichloroethane-d4
Concen: 33.01 ug/l
RT: 6.08 min Scan# 901
Delta R.T. -0.01 min
Lab File: VX000246.D
Acq: 09 Mar 2018 02:31

Tgt Ion: 65 Resp: 49973
Ion Ratio Lower Upper
65 100
67 49.9 41.4 62.2

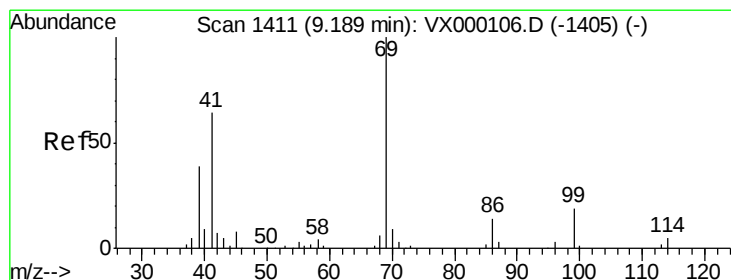
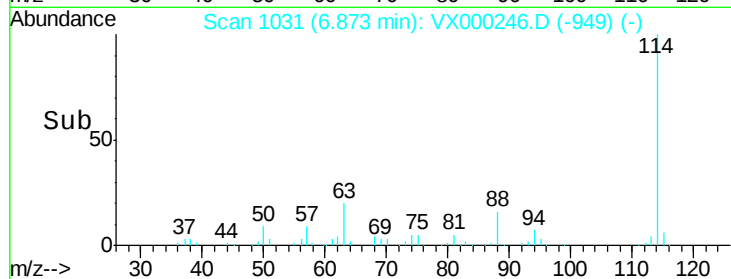
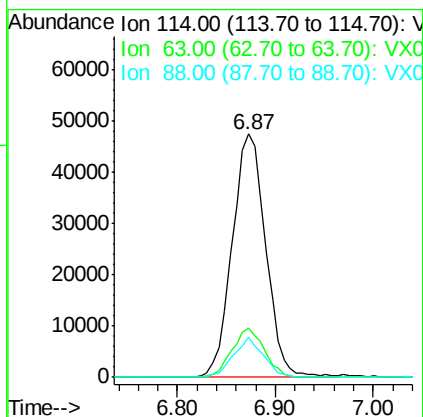
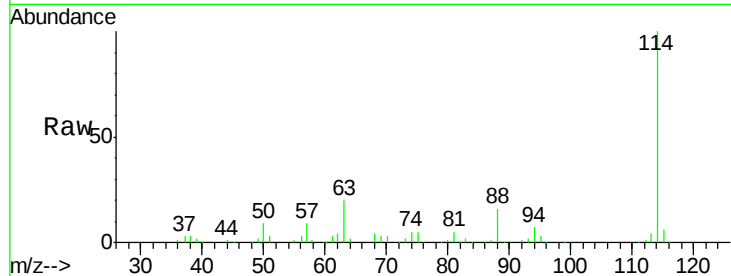




#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000246.D
 Acq: 09 Mar 2018 02:31

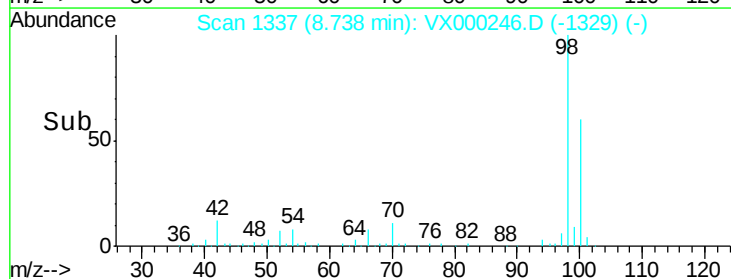
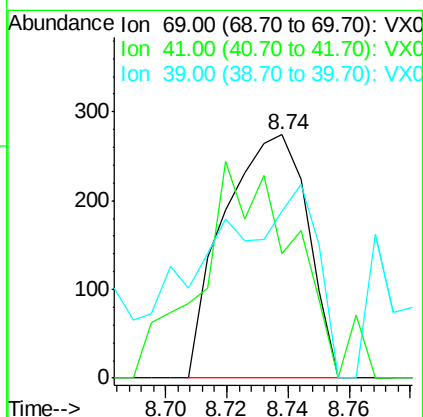
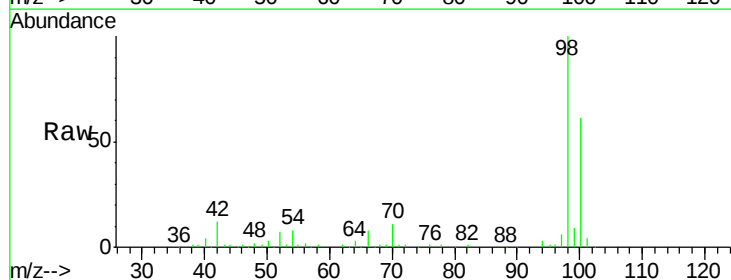
Instrument :
 MSVOA_X
 ClientSampleId :
 VIBLK

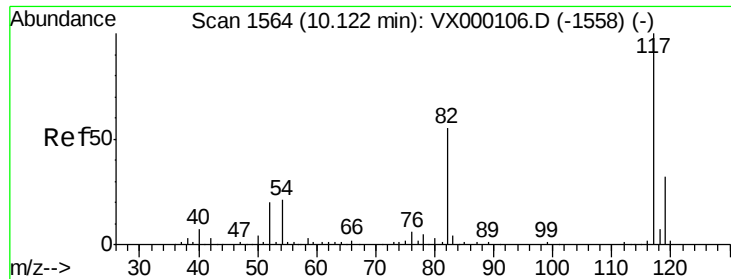
Tot Ion:114 Resp: 113015
 Ion Ratio Lower Upper
 114 100
 63 19.6 15.0 22.4
 88 14.6 11.8 17.8



#51
 Ethyl methacrylate
 Concen: 0.25 ug/l
 RT: 8.74 min Scan# 1337
 Delta R.T. -0.45 min
 Lab File: VX000246.D
 Acq: 09 Mar 2018 02:31

Tgt Ion: 69 Resp: 518
 Ion Ratio Lower Upper
 69 100
 41 51.1 32.1 96.3
 39 68.6 19.6 58.7#

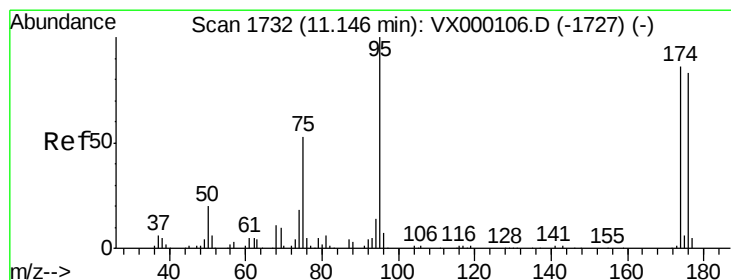
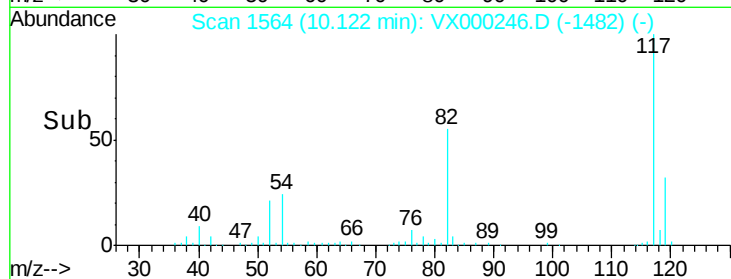
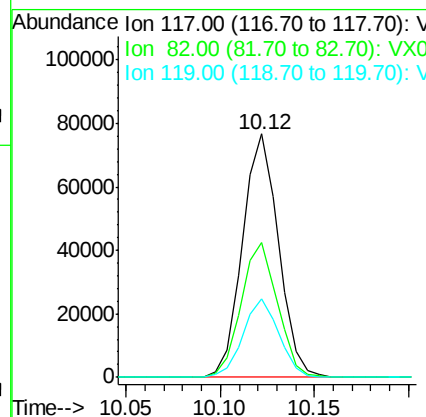
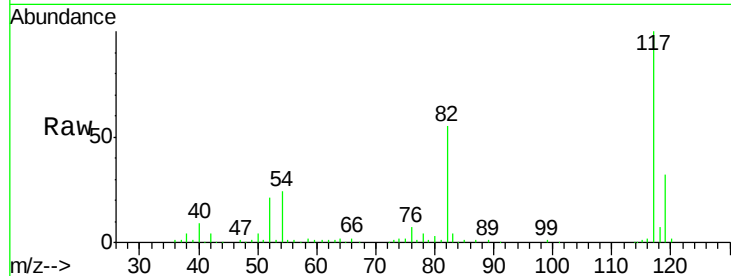




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000246.D
Acq: 09 Mar 2018 02:31

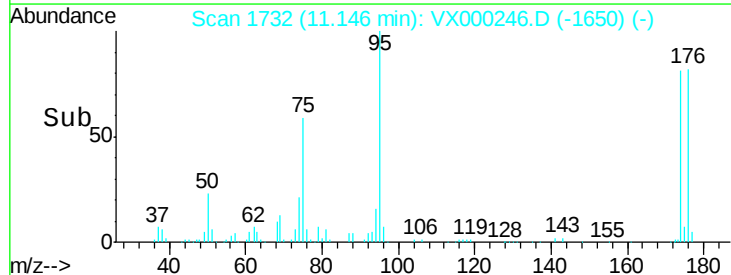
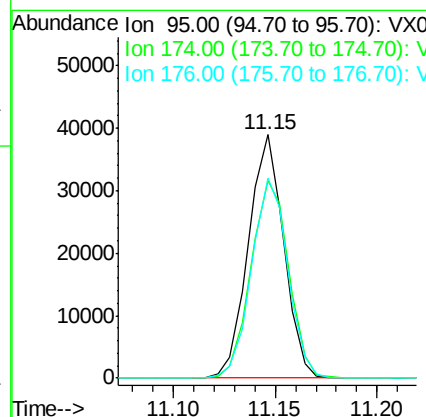
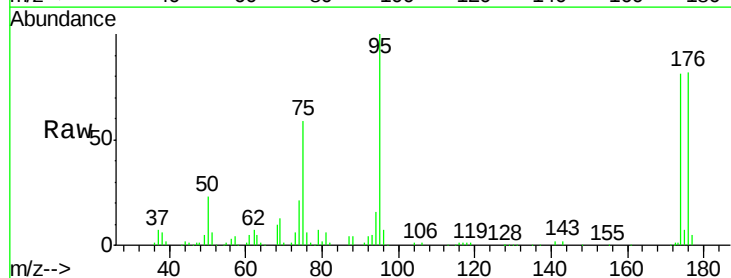
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

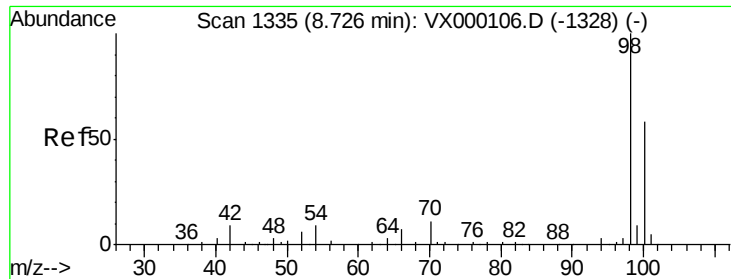
Tot Ion:117 Resp: 101949
Ion Ratio Lower Upper
117 100
82 55.7 43.0 64.4
119 32.2 25.8 38.8



#60
4-Bromofluorobenzene
Concen: 28.16 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000246.D
Acq: 09 Mar 2018 02:31

Tgt Ion: 95 Resp: 46959
Ion Ratio Lower Upper
95 100
174 86.2 71.1 106.7
176 84.2 69.3 103.9





#63

Toluene-d8

Concen: 30.99 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000246.D

Acq: 09 Mar 2018 02:31

Instrument :

MSVOA_X

ClientSampleId :

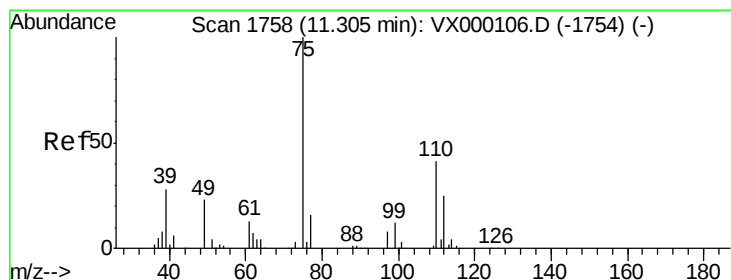
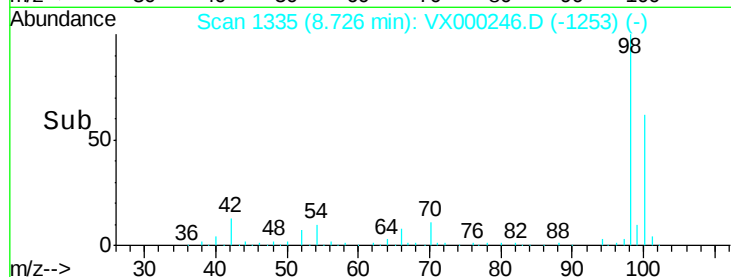
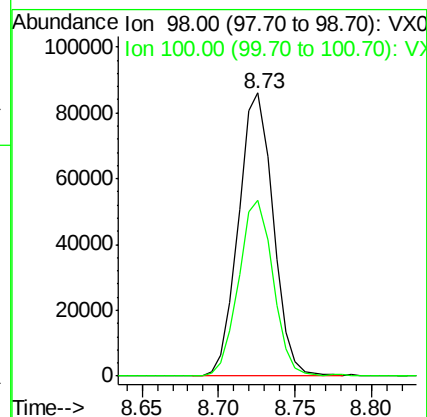
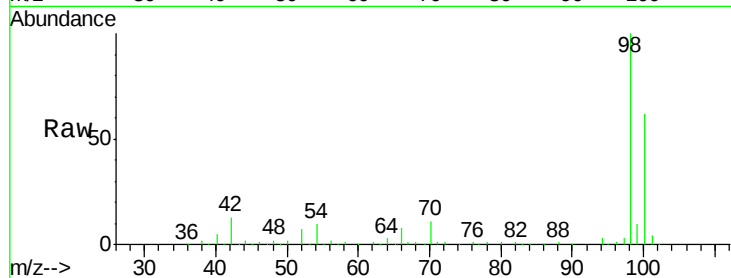
VIBLK

Tot Ion: 98 Resp: 135330

Ion Ratio Lower Upper

98 100

100 61.6 50.0 75.0



#72

1,2,3-Trichloropropane

Concen: 14.02 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000246.D

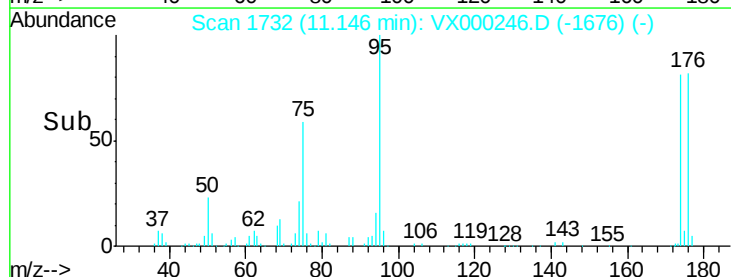
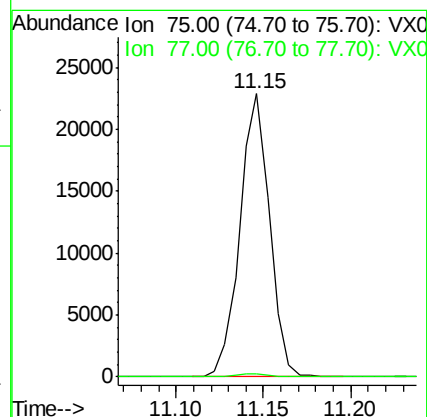
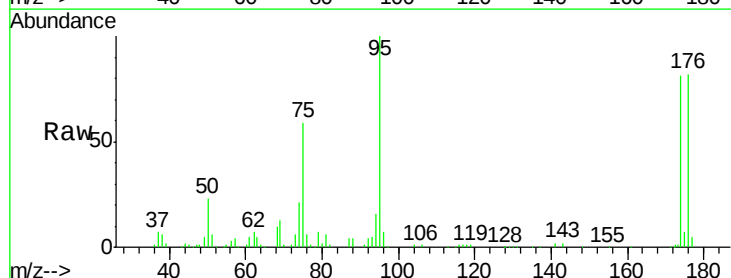
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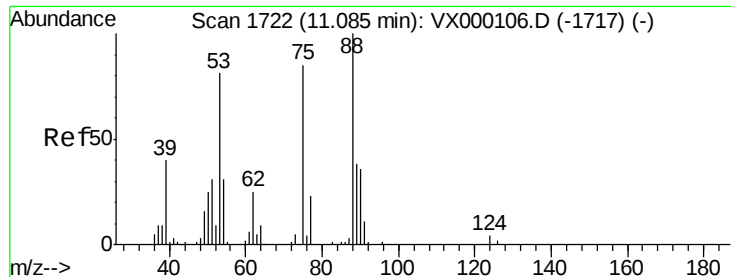
Tgt Ion: 75 Resp: 26961

Ion Ratio Lower Upper

75 100

77 1.3 0.0 85.8

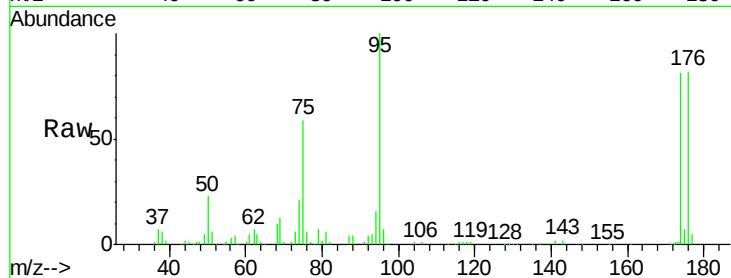




#77
t-1,4-Dichloro-2-butene
Concen: 39.64 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.06 min
Lab File: VX000246.D
Acq: 09 Mar 2018 02:31

Instrument :
MSVOA_X
ClientSampleId :
VIBLK

Tot Ion: 75 Resp: 26961
Ion Ratio Lower Upper
75 100
53 0.0 47.8 143.3#
89 0.0 22.3 66.8#



Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 89.00 (88.70 to 89.70): VX0

