

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080218\
 Data File : VX003820.D
 Acq On : 02 Aug 2018 12:48
 Operator : JC/MD
 Sample : VX0802WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBL01

Quant Time: Aug 03 03:19:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 16:17:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	23722	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	123043	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	111825	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	49891	28.65	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery =	95.50%		
60) 4-Bromofluorobenzene	11.14	95	48405	26.88	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery =	89.60%		
63) Toluene-d8	8.72	98	145724	28.93	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery =	96.43%		

Target Compounds

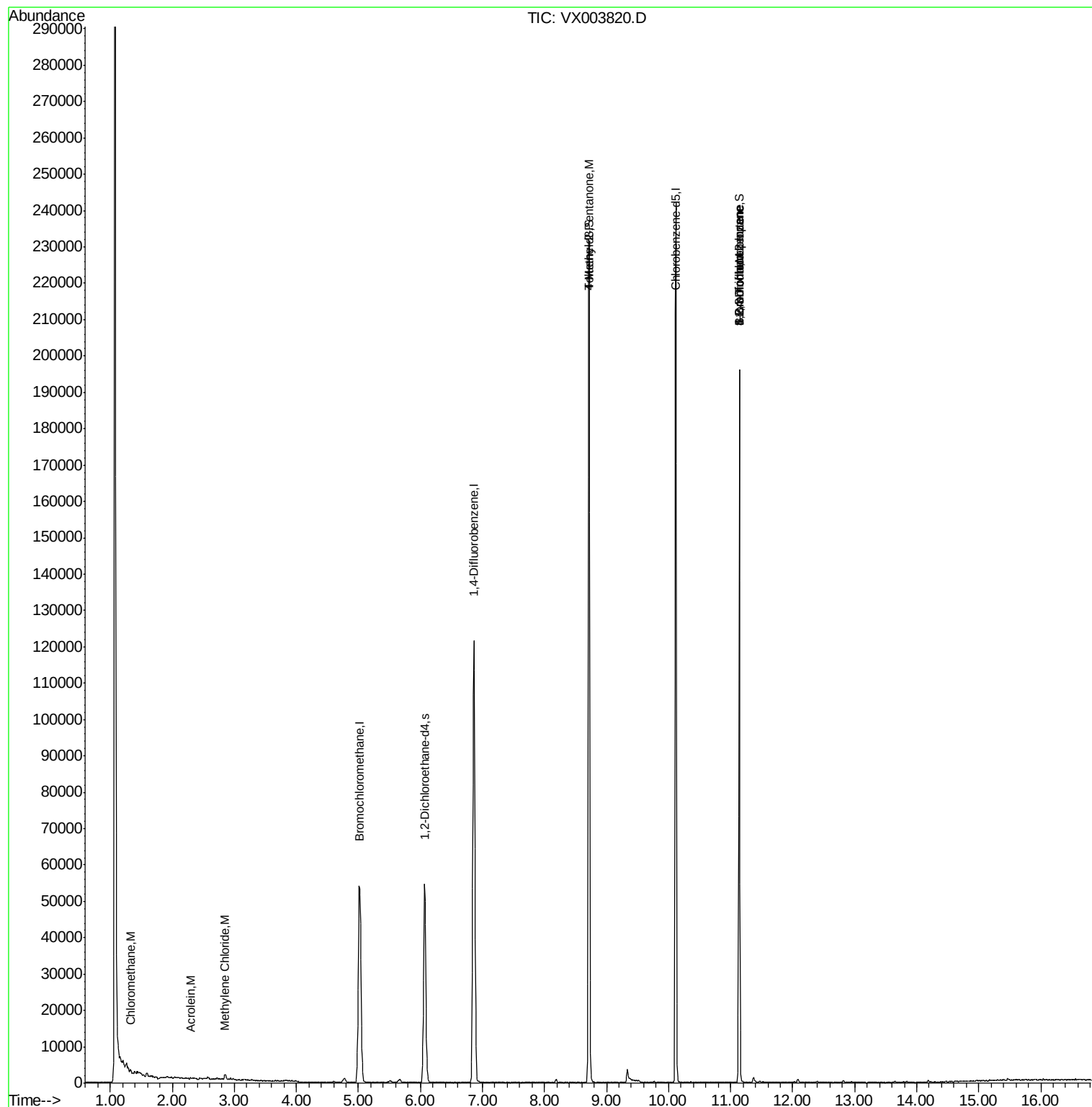
						Ovalue
3) Chloromethane	1.32	50	596	0.35	ug/l #	82
13) Acrolein	2.29	56	45	0.23	ug/l #	63
18) Methylene Chloride	2.86	84	648	0.40	ug/l #	80
56) Bromoform	11.14	173	432	0.37	ug/l #	1
58) 4-Methyl-2-Pentanone	8.71	43	611	0.29	ug/l #	1
72) 1,2,3-Trichloropropane	11.14	75	23241	12.08	ug/l	41
77) t-1,4-Dichloro-2-butene	11.14	75	23241	35.44	ug/l #	11

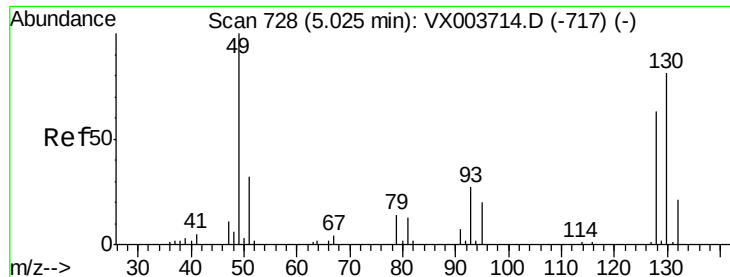
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 03 03:19:57 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 27 16:17:43 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX003820.D

Acq: 02 Aug 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

VX0802WBL01

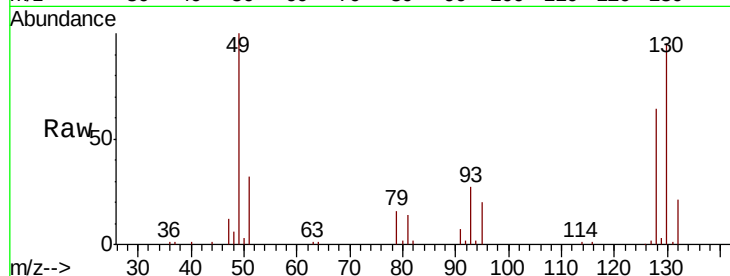
Tot Ion:128 Resp: 23722

Ion Ratio Lower Upper

128 100

49 164.9 0.0 423.0

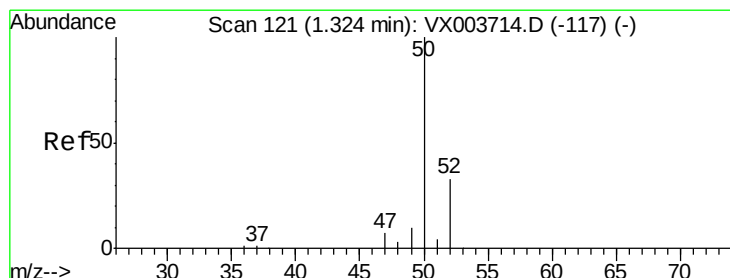
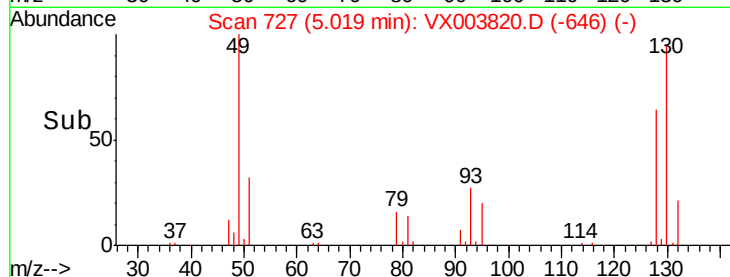
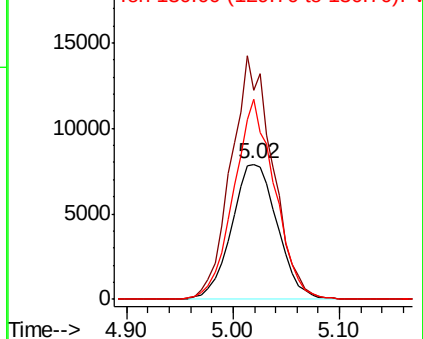
130 133.5 0.0 324.3



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



#3

Chloromethane

Concen: 0.35 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003820.D

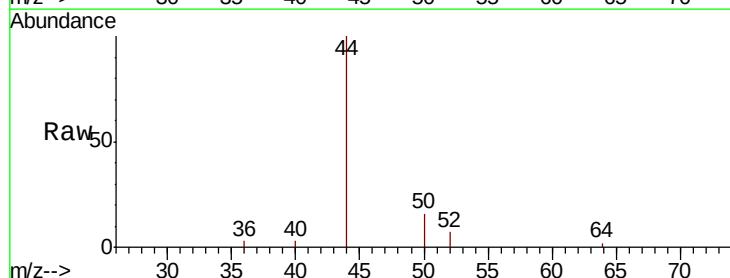
Acq: 02 Aug 2018 12:48

Tgt Ion: 50 Resp: 596

Ion Ratio Lower Upper

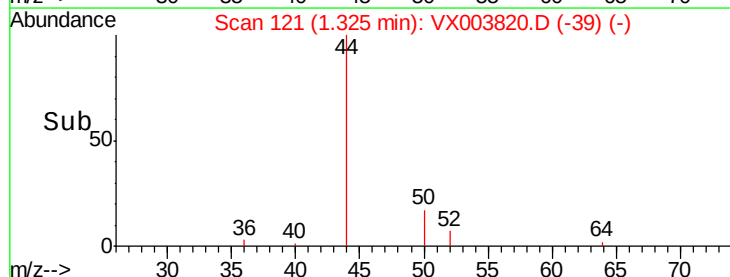
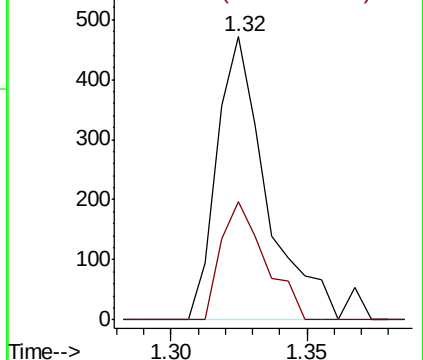
50 100

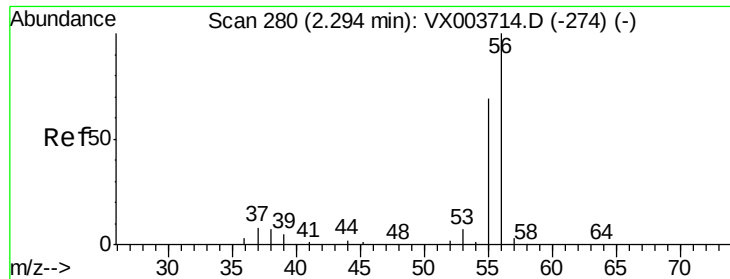
52 41.8 25.6 38.4#



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#13

Acrolein

Concen: 0.23 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003820.D

Acq: 02 Aug 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

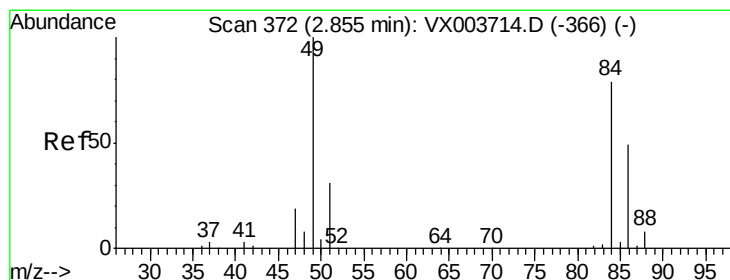
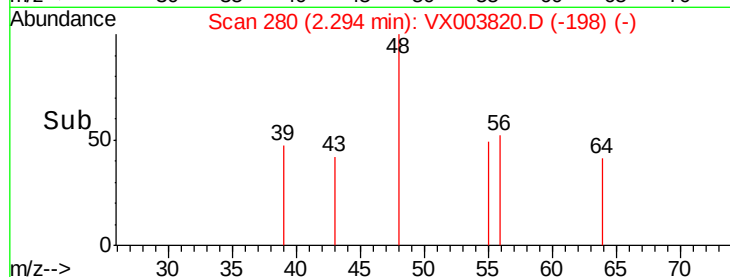
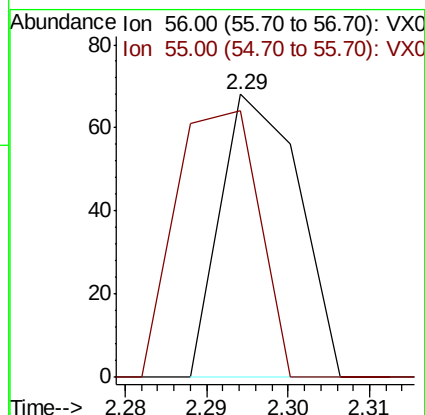
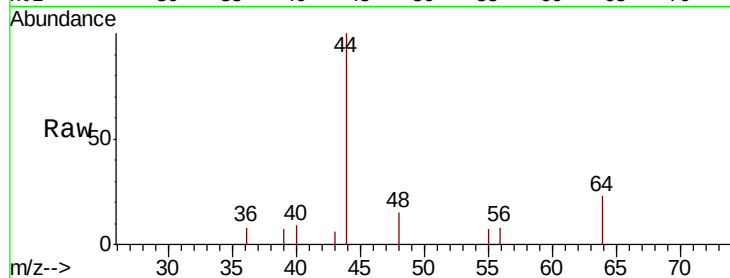
VX0802WBL01

Tot Ion: 56 Resp: 45

Ion Ratio Lower Upper

56 100

55 102.2 57.3 85.9#



#18

Methylene Chloride

Concen: 0.40 ug/l

RT: 2.86 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX003820.D

Acq: 02 Aug 2018 12:48

Tgt Ion: 84 Resp: 648

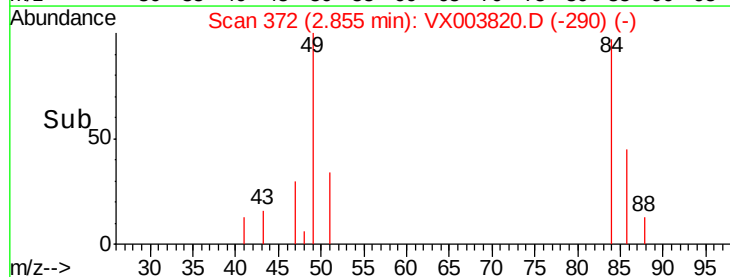
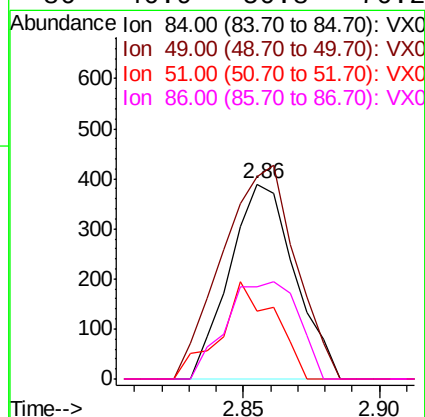
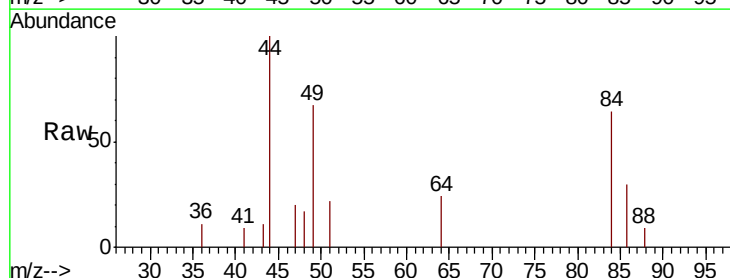
Ion Ratio Lower Upper

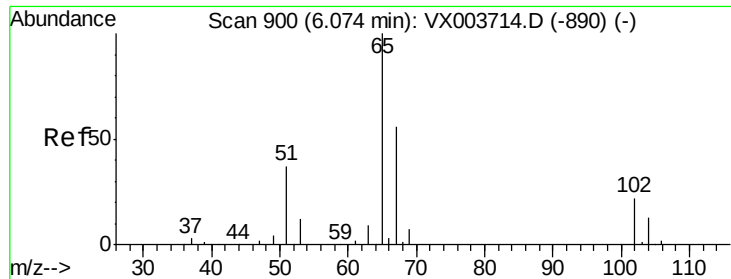
84 100

49 103.6 104.7 157.1#

51 34.9 31.0 46.4

86 46.9 50.8 76.2#

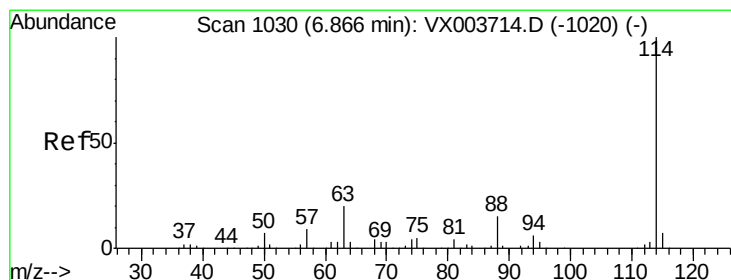
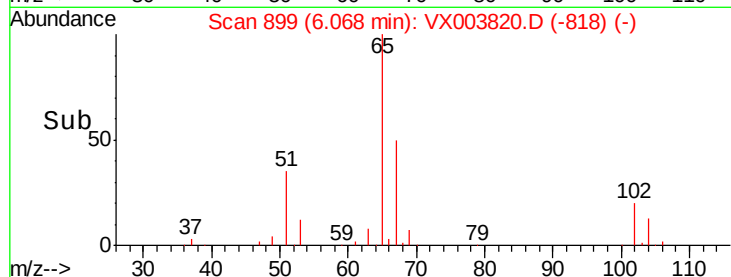
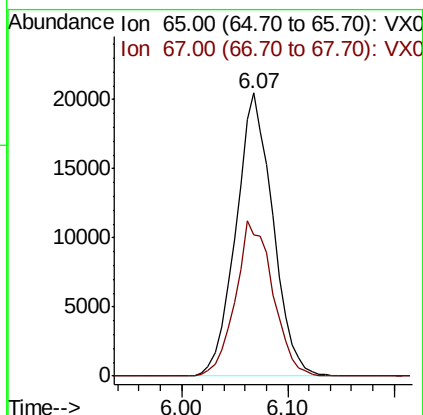
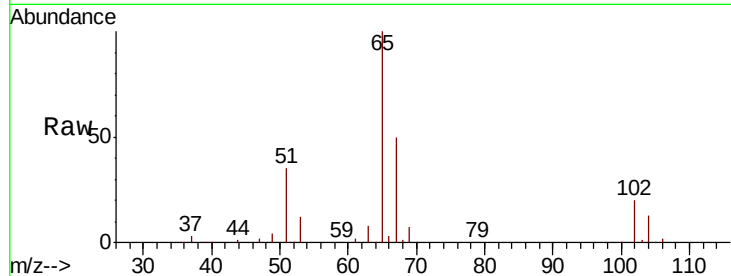




#27
 1,2-Dichloroethane-d4
 Concen: 28.65 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX003820.D
 Acq: 02 Aug 2018 12:48

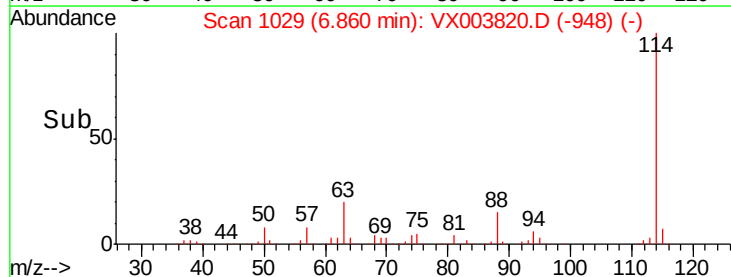
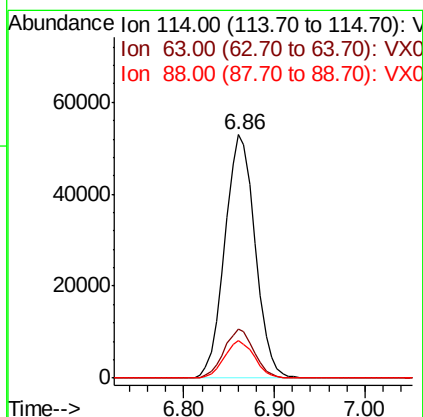
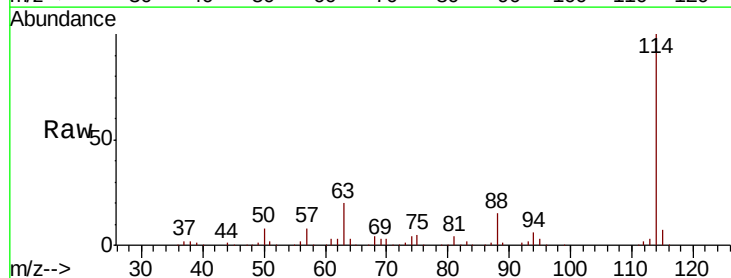
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBL01

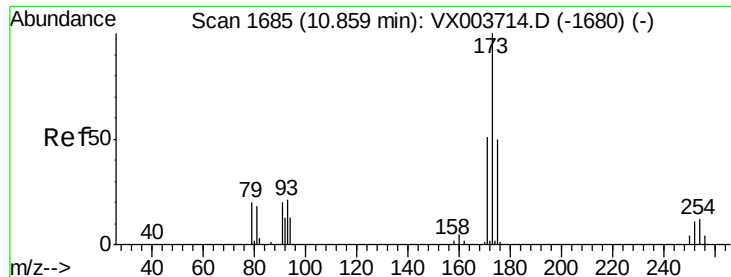
Tot Ion: 65 Resp: 49891
 Ion Ratio Lower Upper
 65 100
 67 55.3 40.9 61.3



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003820.D
 Acq: 02 Aug 2018 12:48

Tgt Ion: 114 Resp: 123043
 Ion Ratio Lower Upper
 114 100
 63 19.9 17.1 25.7
 88 15.1 12.6 19.0





#56

Bromoform

Concen: 0.37 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.28 min

Lab File: VX003820.D

Acq: 02 Aug 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

VX0802WBL01

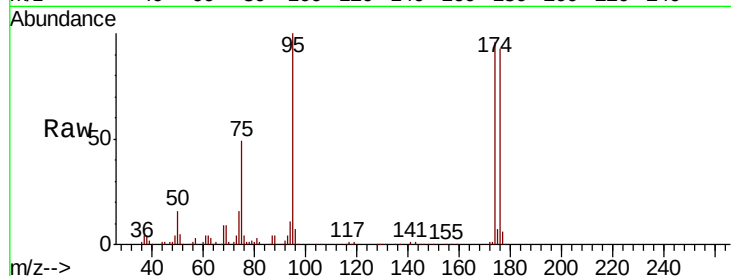
Tot Ion:173 Resp: 432

Ion Ratio Lower Upper

173 100

175 785.4 39.0 58.4#

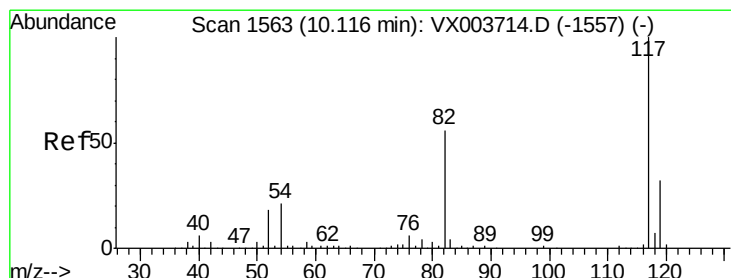
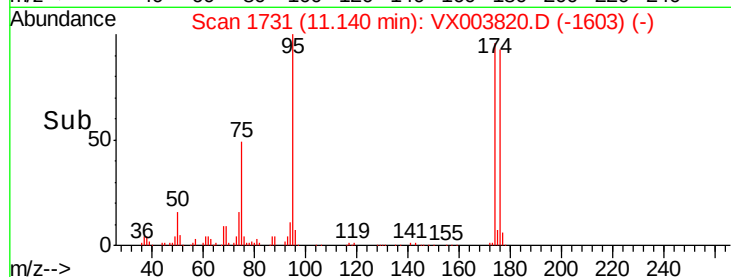
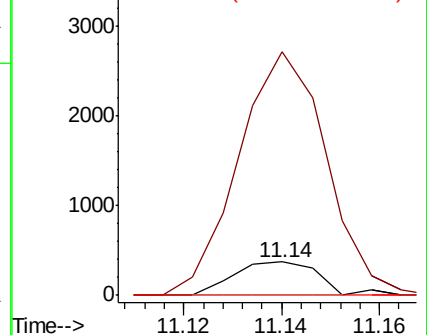
254 0.0 9.6 14.4#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003820.D

Acq: 02 Aug 2018 12:48

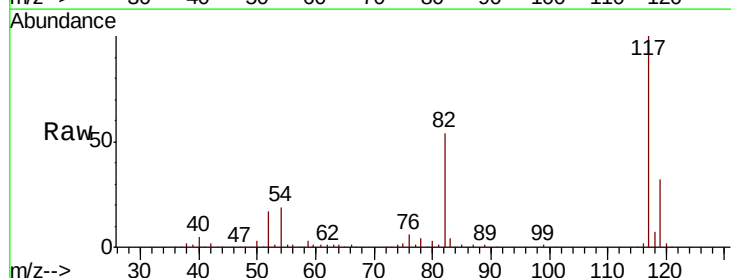
Tgt Ion:117 Resp: 111825

Ion Ratio Lower Upper

117 100

82 54.0 44.3 66.5

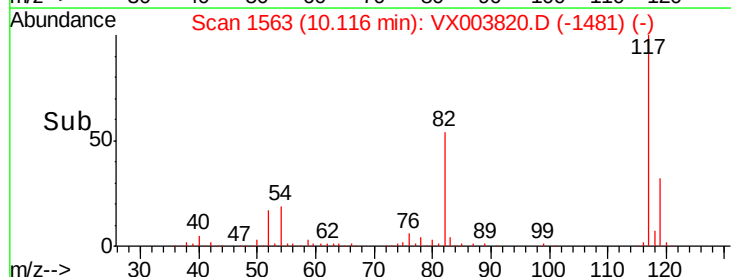
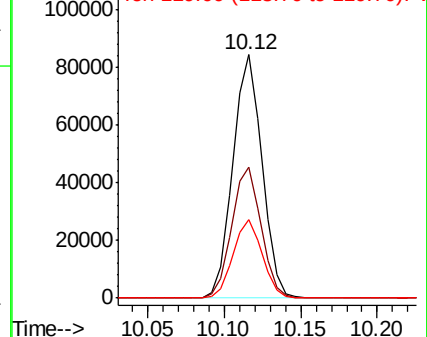
119 32.2 25.7 38.5

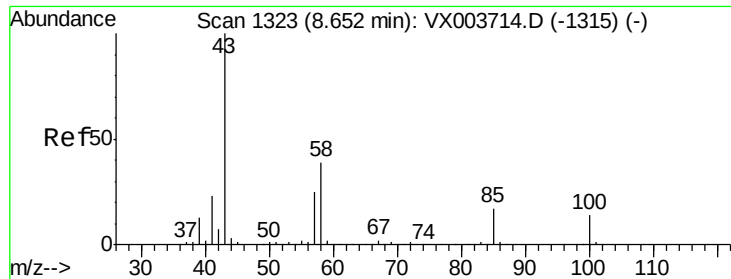


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V

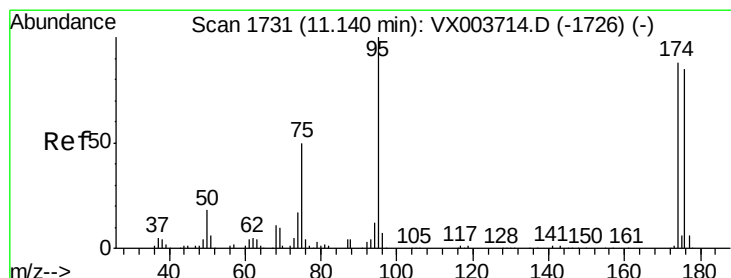
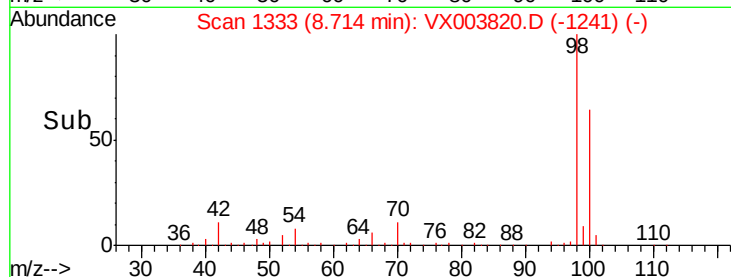
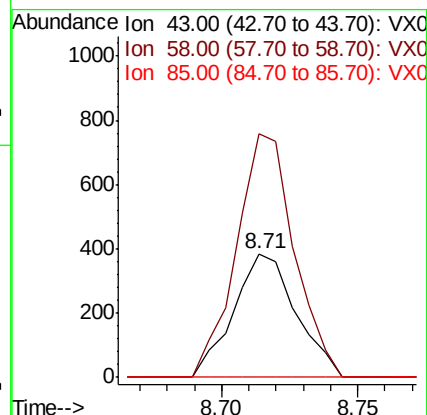
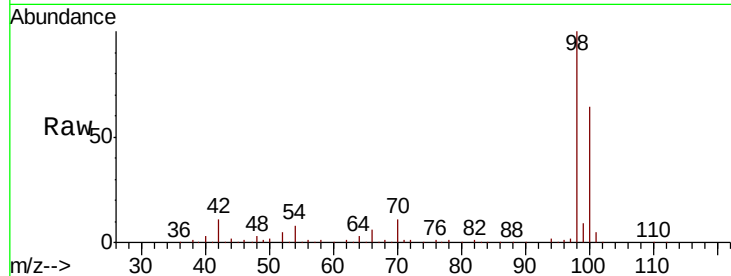




#58
 4-Methyl-2-Pentanone
 Concen: 0.29 ug/l
 RT: 8.71 min Scan# 1333
 Delta R.T. 0.06 min
 Lab File: VX003820.D
 Acq: 02 Aug 2018 12:48

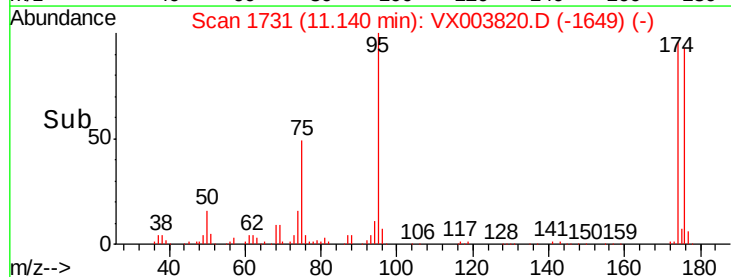
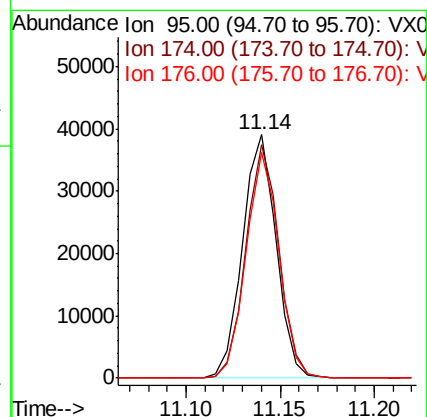
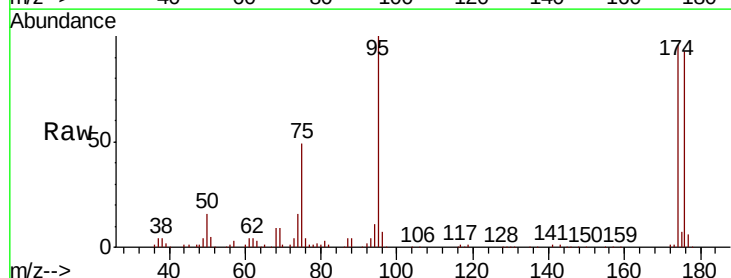
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBL01

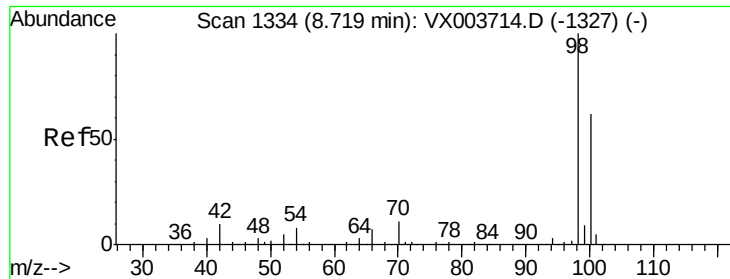
Tot Ion: 43 Resp: 611
 Ion Ratio Lower Upper
 43 100
 58 182.7 28.2 42.4#
 85 0.0 12.4 18.6#



#60
 4-Bromofluorobenzene
 Concen: 26.88 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003820.D
 Acq: 02 Aug 2018 12:48

Tgt Ion: 95 Resp: 48405
 Ion Ratio Lower Upper
 95 100
 174 94.6 71.8 107.6
 176 90.7 70.1 105.1





#63

Toluene-d8

Concen: 28.93 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003820.D

Acq: 02 Aug 2018 12:48

Instrument :

MSVOA_X

ClientSampled :

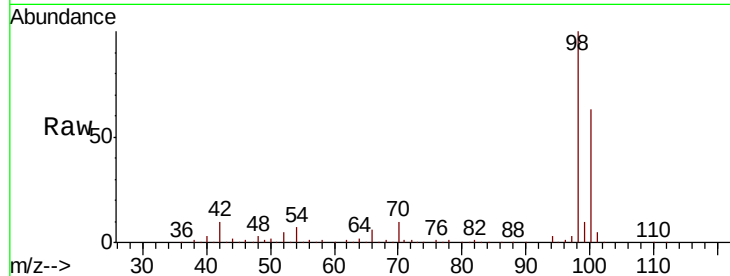
VX0802WBL01

Tot Ion: 98 Resp: 145724

Ion Ratio Lower Upper

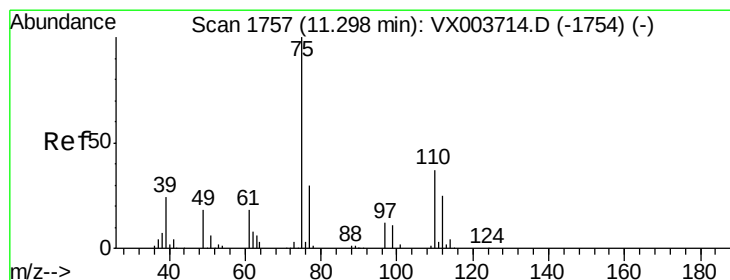
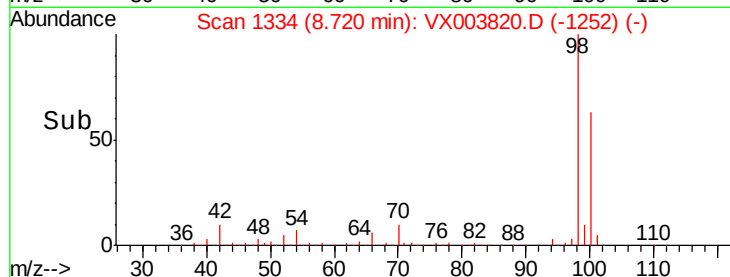
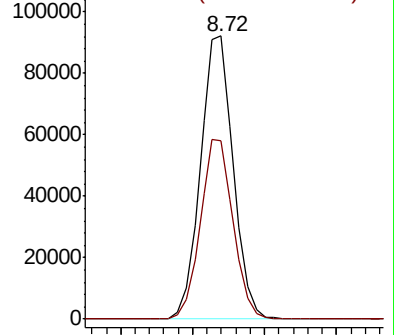
98 100

100 63.6 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#72

1,2,3-Trichloropropane

Concen: 12.08 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003820.D

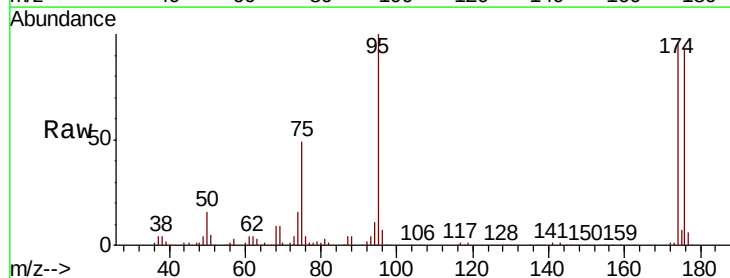
Acq: 02 Aug 2018 12:48

Tgt Ion: 75 Resp: 23241

Ion Ratio Lower Upper

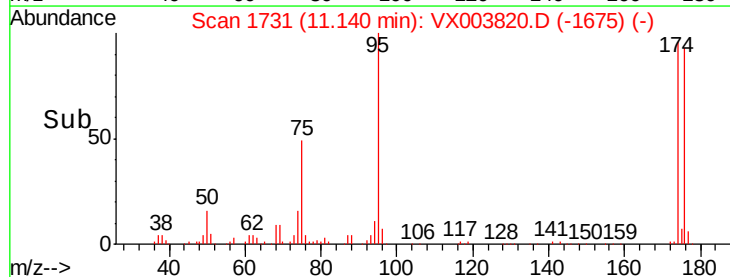
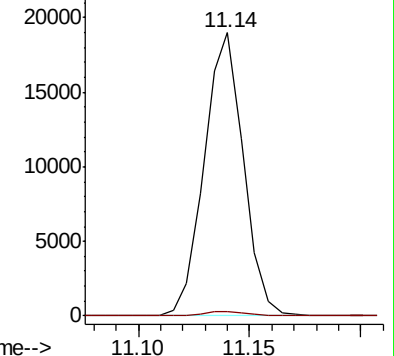
75 100

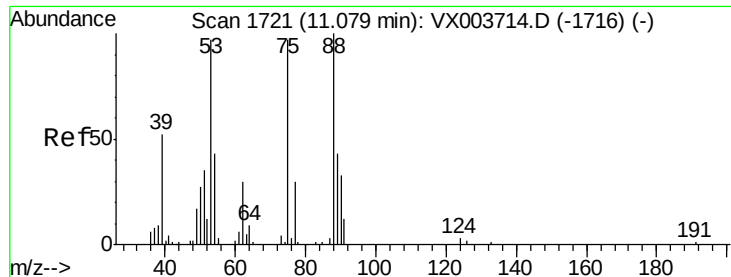
77 1.4 0.0 71.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77
t-1,4-Dichloro-2-butene
Concen: 35.44 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX003820.D
Acq: 02 Aug 2018 12:48

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBL01

Tot Ion: 75 Resp: 23241
Ion Ratio Lower Upper
75 100
53 0.0 48.3 144.9#
89 0.0 21.8 65.4#

