

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080218\
 Data File : VX003821.D
 Acq On : 02 Aug 2018 13:24
 Operator : JC/MD
 Sample : J4279-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-072918

Quant Time: Aug 03 03:20:07 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	23530	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	122309	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	105990	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	46176	26.73	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	89.10%
60) 4-Bromofluorobenzene	11.14	95	46229	27.09	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.30%
63) Toluene-d8	8.72	98	137582	28.81	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.03%

Target Compounds

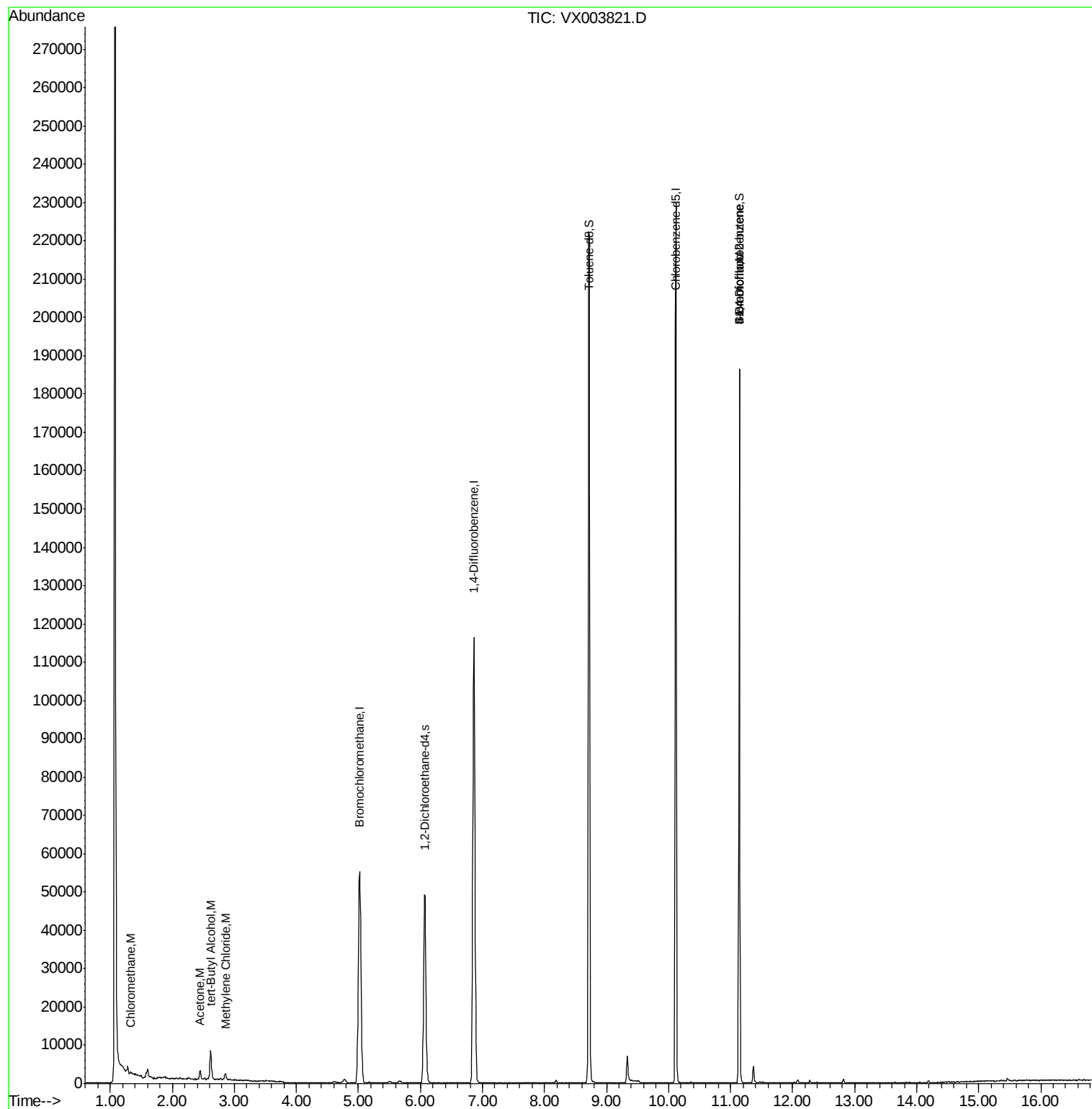
					Ovalue
3) Chloromethane	1.32	50	1003	0.60 ug/l	96
15) Acetone	2.45	58	679	2.54 ug/l	99
18) Methylene Chloride	2.86	84	704	0.44 ug/l #	90
23) tert-Butyl Alcohol	2.62	59	327	0.79 ug/l #	100
56) Bromoform	11.14	173	440	0.38 ug/l #	1
77) t-1,4-Dichloro-2-butene	11.14	75	22098	35.56 ug/l #	11

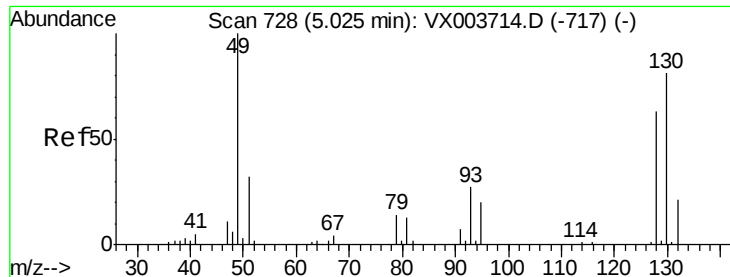
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX003821.D

Acq: 02 Aug 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

TB01-072918

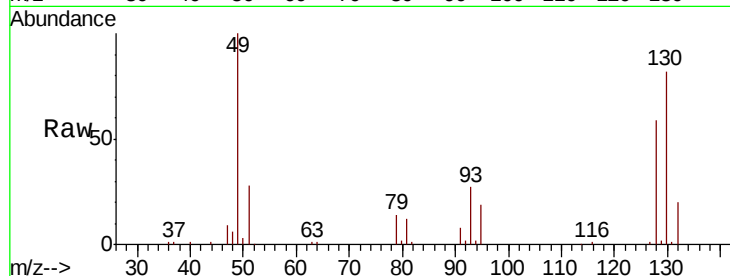
Tot Ion:128 Resp: 23530

Ion Ratio Lower Upper

128 100

49 160.6 0.0 423.0

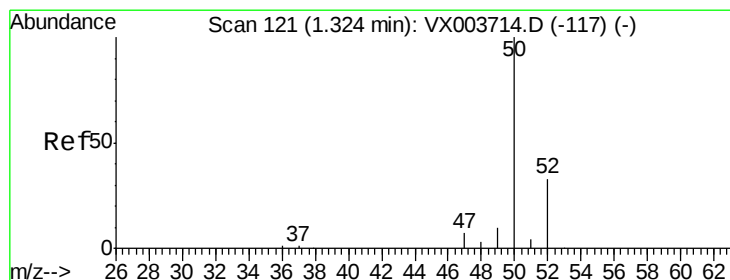
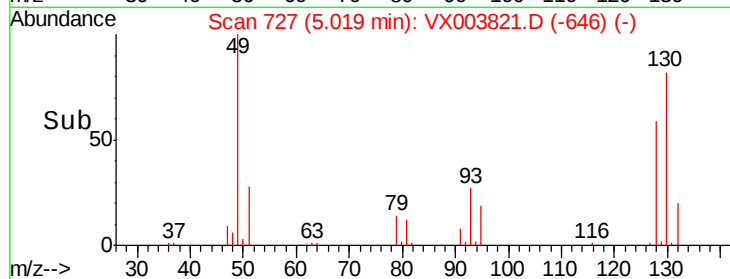
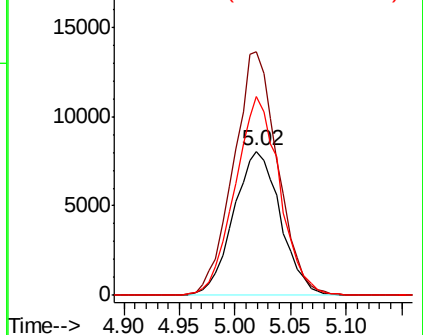
130 132.2 0.0 324.3



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: 0.60 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003821.D

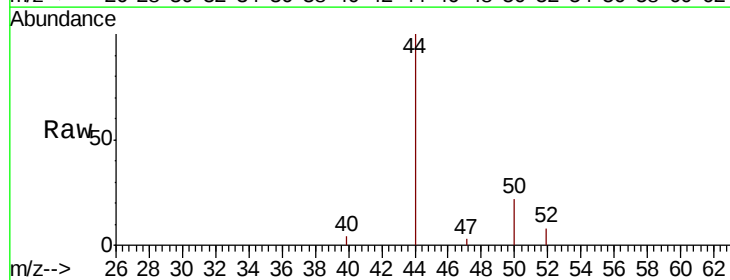
Acq: 02 Aug 2018 13:24

Tgt Ion: 50 Resp: 1003

Ion Ratio Lower Upper

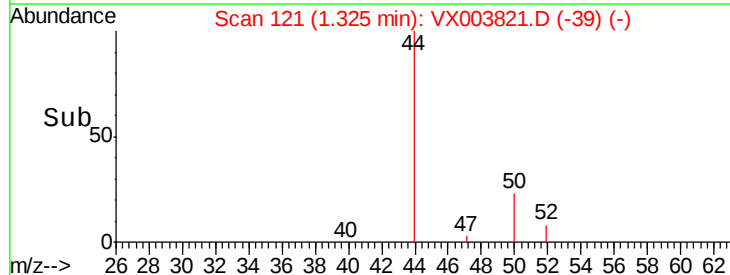
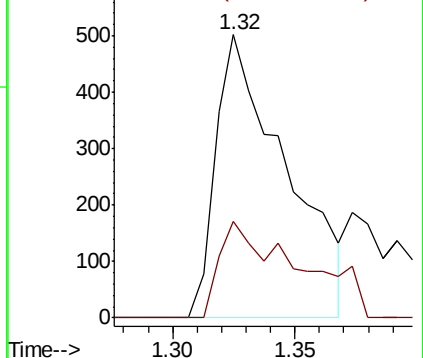
50 100

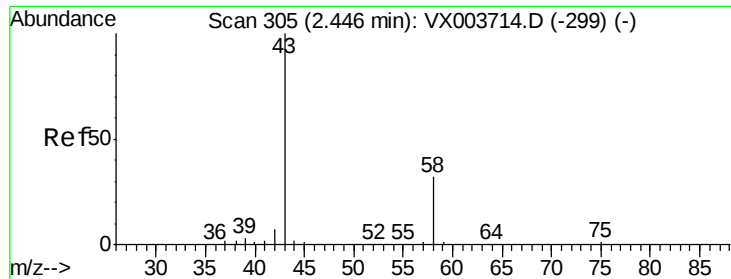
52 34.1 25.6 38.4



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#15

Acetone

Concen: 2.54 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003821.D

Acq: 02 Aug 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

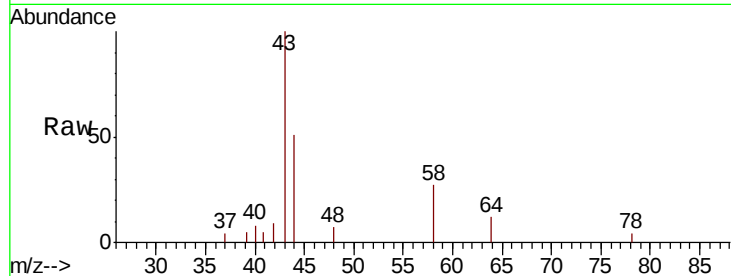
TB01-072918

Tot Ion: 58 Resp: 679

Ion Ratio Lower Upper

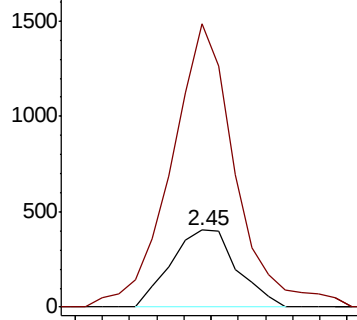
58 100

43 345.4 278.8 418.2

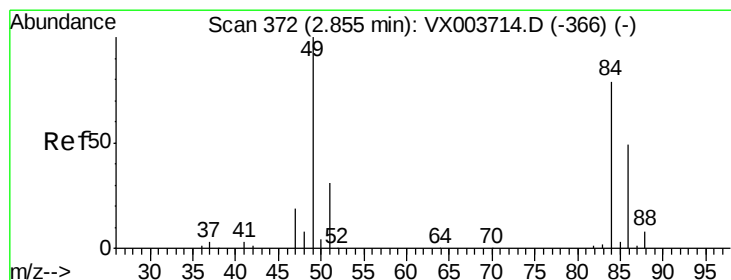
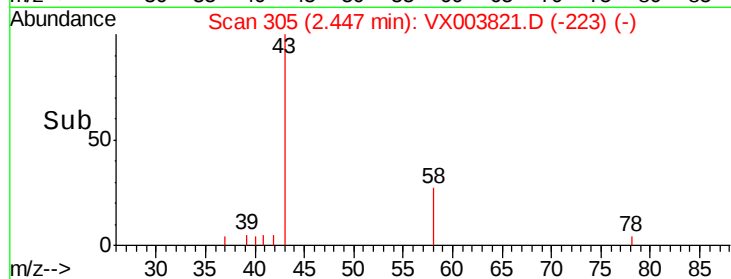


Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



Time--> 2.40 2.45



#18

Methylene Chloride

Concen: 0.44 ug/l

RT: 2.86 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX003821.D

Acq: 02 Aug 2018 13:24

Tgt Ion: 84 Resp: 704

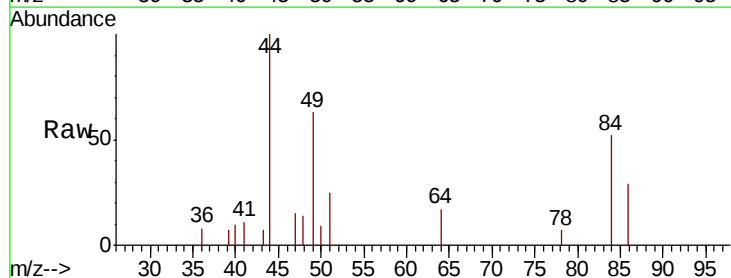
Ion Ratio Lower Upper

84 100

49 120.6 104.7 157.1

51 48.9 31.0 46.4#

86 55.9 50.8 76.2

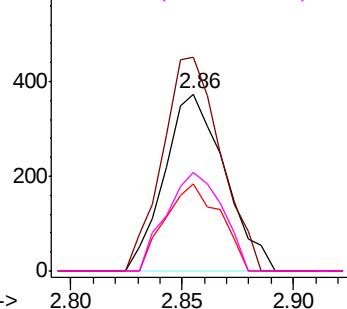


Abundance Ion 84.00 (83.70 to 84.70): VX0

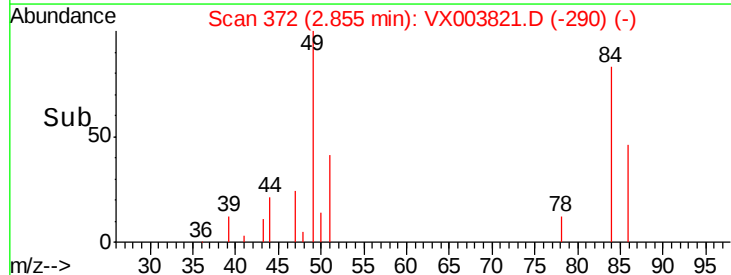
Ion 49.00 (48.70 to 49.70): VX0

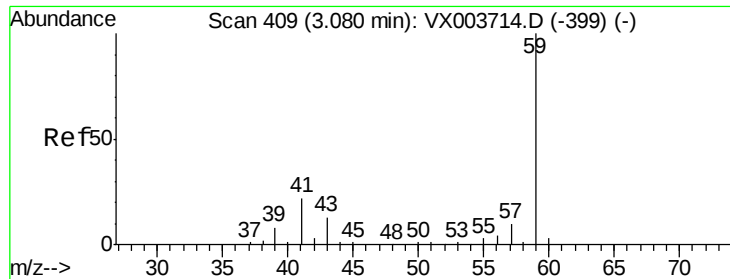
Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time--> 2.80 2.85 2.90

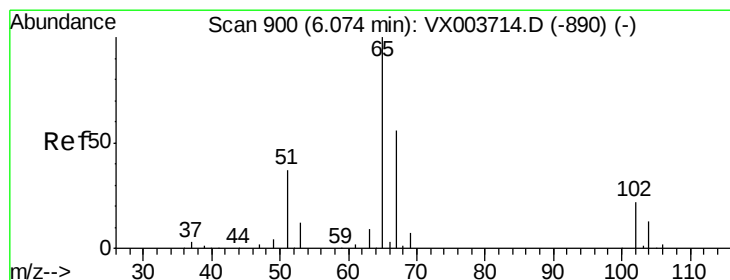
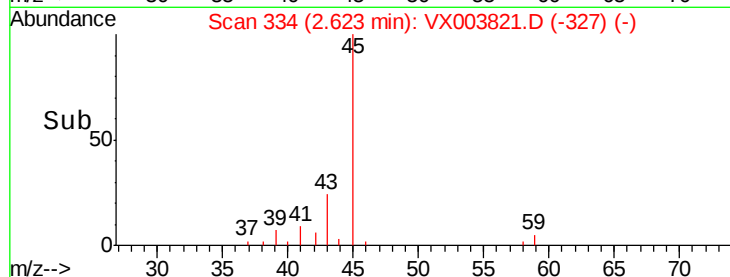
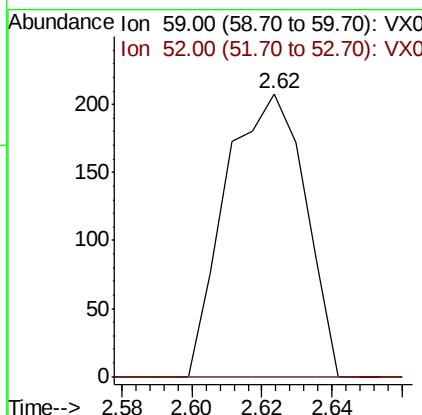
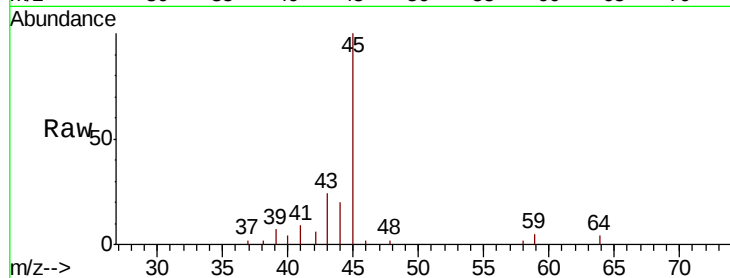




#23
 tert-Butyl Alcohol
 Concen: 0.79 ug/l
 RT: 2.62 min Scan# 334
 Delta R.T. -0.46 min
 Lab File: VX003821.D
 Acq: 02 Aug 2018 13:24

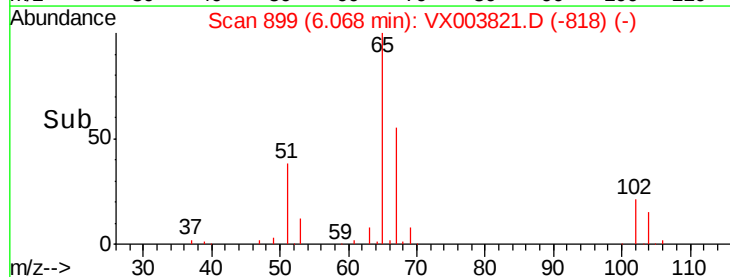
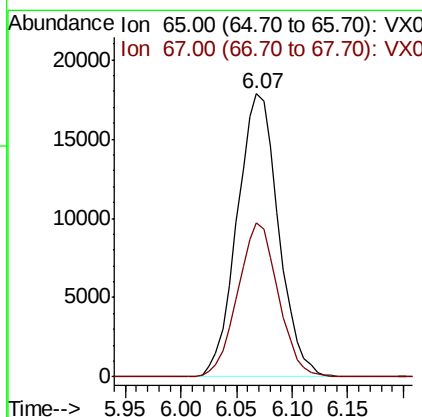
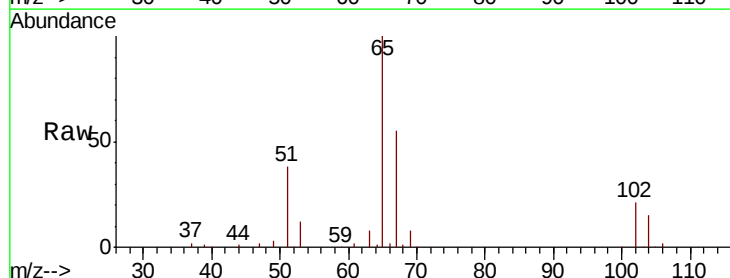
Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-072918

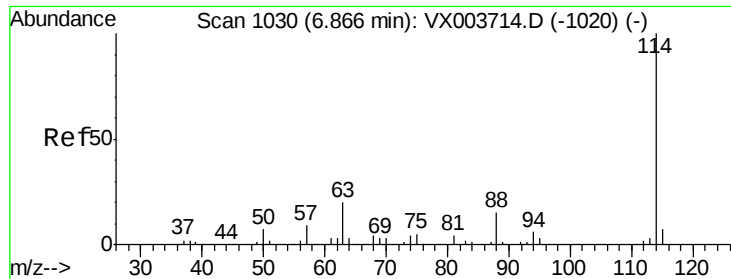
Tot Ion: 59 Resp: 327
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.2 0.2#



#27
 1,2-Dichloroethane-d4
 Concen: 26.73 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX003821.D
 Acq: 02 Aug 2018 13:24

Tgt Ion: 65 Resp: 46176
 Ion Ratio Lower Upper
 65 100
 67 53.3 40.9 61.3

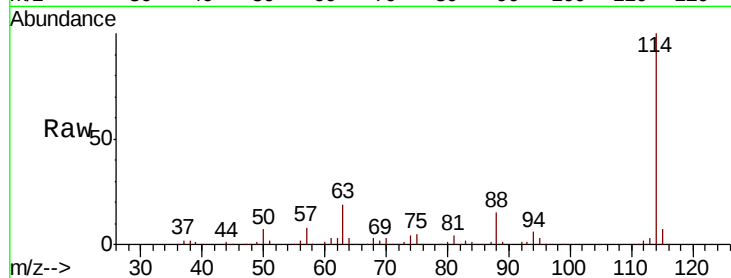




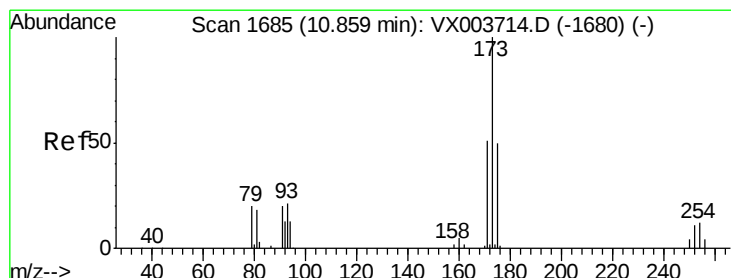
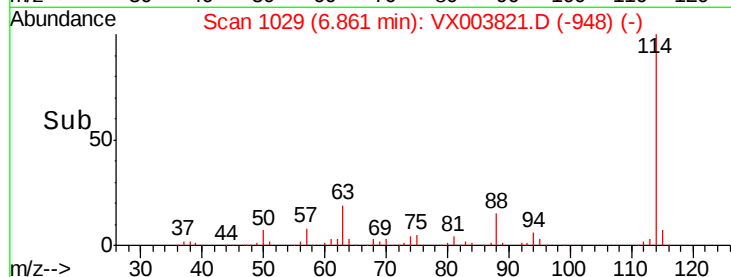
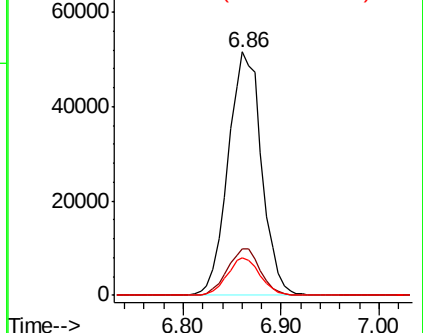
#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003821.D
 Acq: 02 Aug 2018 13:24

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-072918

Tot Ion:114 Resp: 122309
 Ion Ratio Lower Upper
 114 100
 63 19.0 17.1 25.7
 88 14.9 12.6 19.0

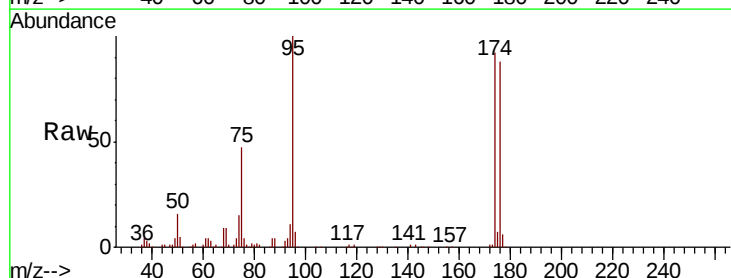


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 88.00 (87.70 to 88.70): VX0

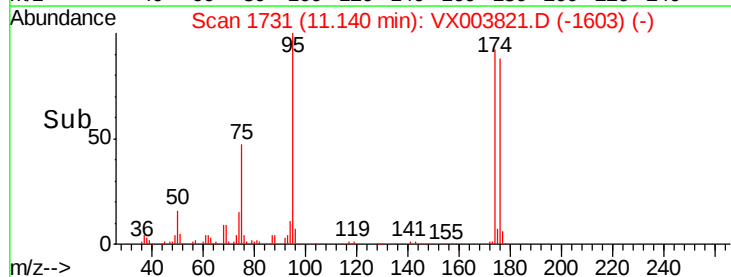
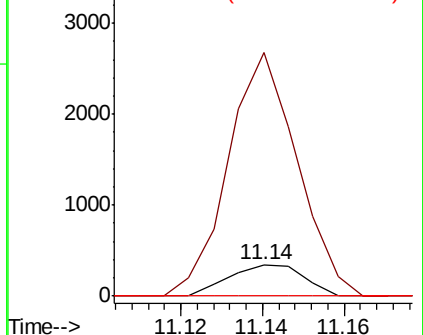


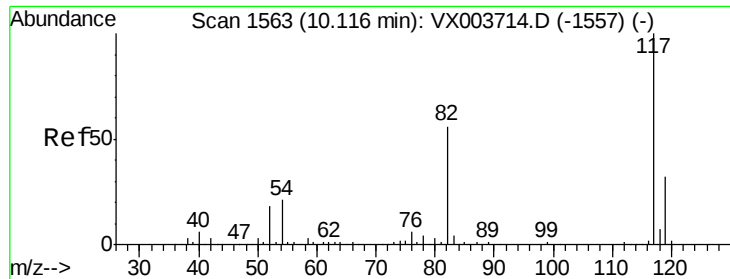
#56
 Bromoform
 Concen: 0.38 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.28 min
 Lab File: VX003821.D
 Acq: 02 Aug 2018 13:24

Tgt Ion:173 Resp: 440
 Ion Ratio Lower Upper
 173 100
 175 717.7 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

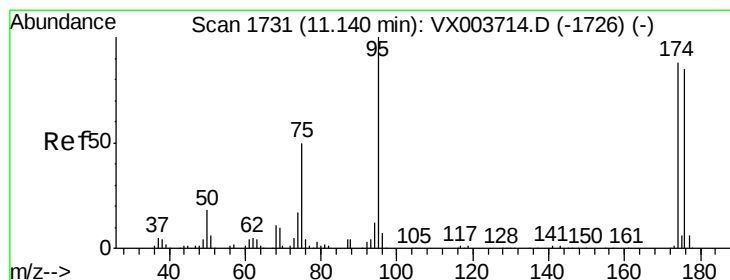
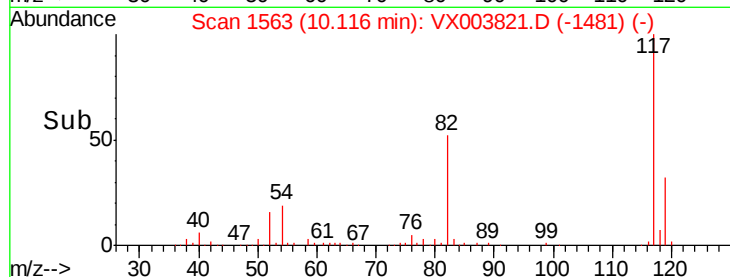
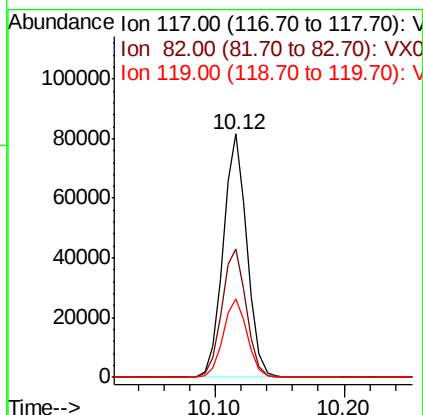
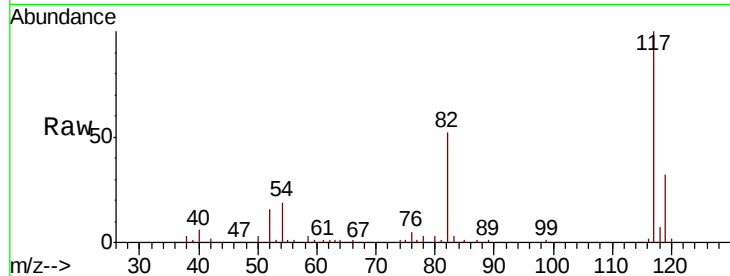




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003821.D
Acq: 02 Aug 2018 13:24

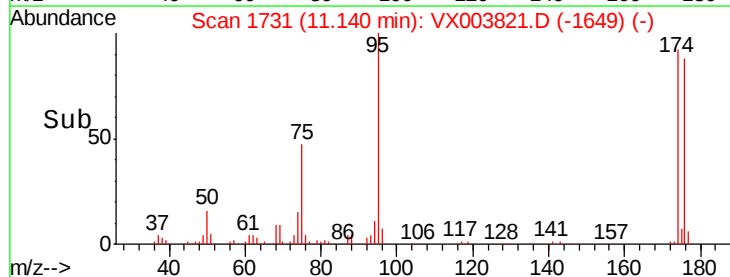
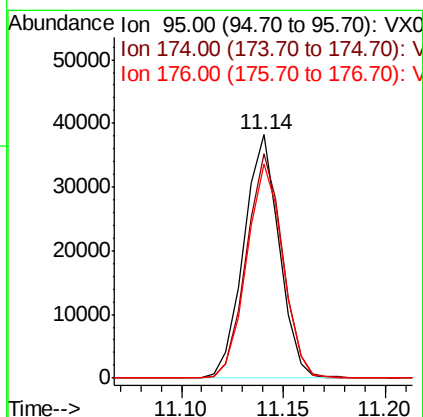
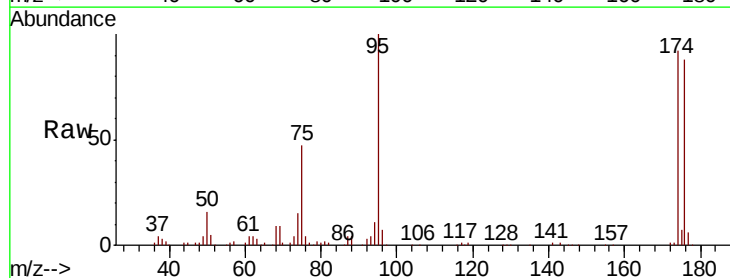
Instrument :
MSVOA_X
ClientSampled :
TB01-072918

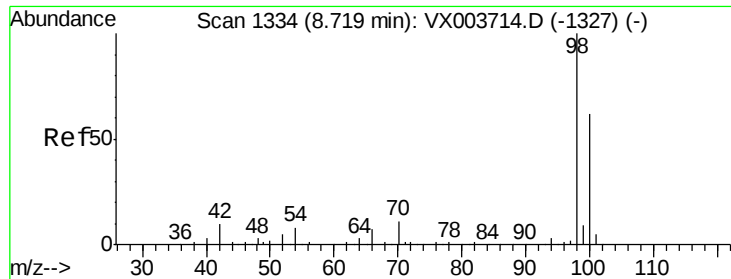
Tot Ion:117 Resp: 105990
Ion Ratio Lower Upper
117 100
82 53.9 44.3 66.5
119 32.4 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 27.09 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003821.D
Acq: 02 Aug 2018 13:24

Tgt Ion: 95 Resp: 46229
Ion Ratio Lower Upper
95 100
174 94.0 71.8 107.6
176 90.0 70.1 105.1





#63

Toluene-d8

Concen: 28.81 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003821.D

Acq: 02 Aug 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

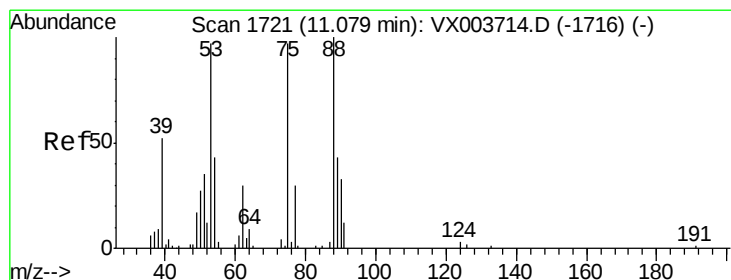
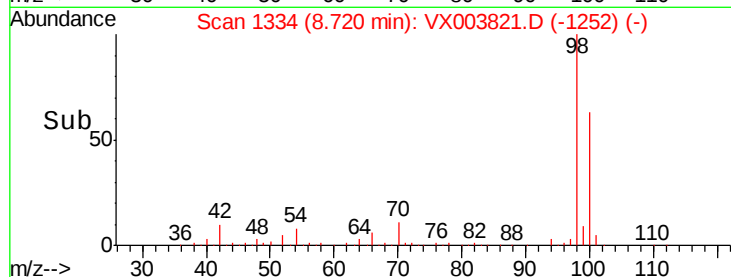
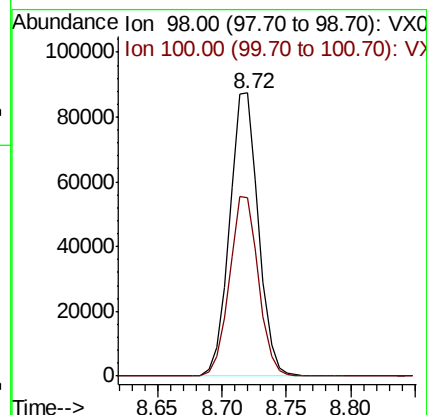
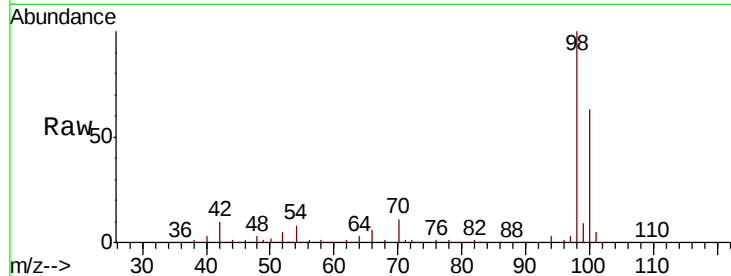
TB01-072918

Tot Ion: 98 Resp: 137582

Ion Ratio Lower Upper

98 100

100 63.7 50.8 76.2



#77

t-1,4-Dichloro-2-butene

Concen: 35.56 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003821.D

Acq: 02 Aug 2018 13:24

Tgt Ion: 75 Resp: 22098

Ion Ratio Lower Upper

75 100

53 0.0 48.3 144.9#

89 0.0 21.8 65.4#

