

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063018\
 Data File : VX003076.D
 Acq On : 30 Jun 2018 14:04
 Operator : JC/MD
 Sample : J3716-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S22-EB-2018-1

Quant Time: Jul 02 03:26:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	281789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	387532	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	357785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	203901	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	180967	46.46	ug/l	0.00
Spiked Amount			Recovery	=	92.92%	
35) Dibromofluoromethane	5.51	113	148809	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
50) Toluene-d8	8.72	98	539242	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	
62) 4-Bromofluorobenzene	11.14	95	192547	44.55	ug/l	0.00
Spiked Amount			Recovery	=	89.10%	

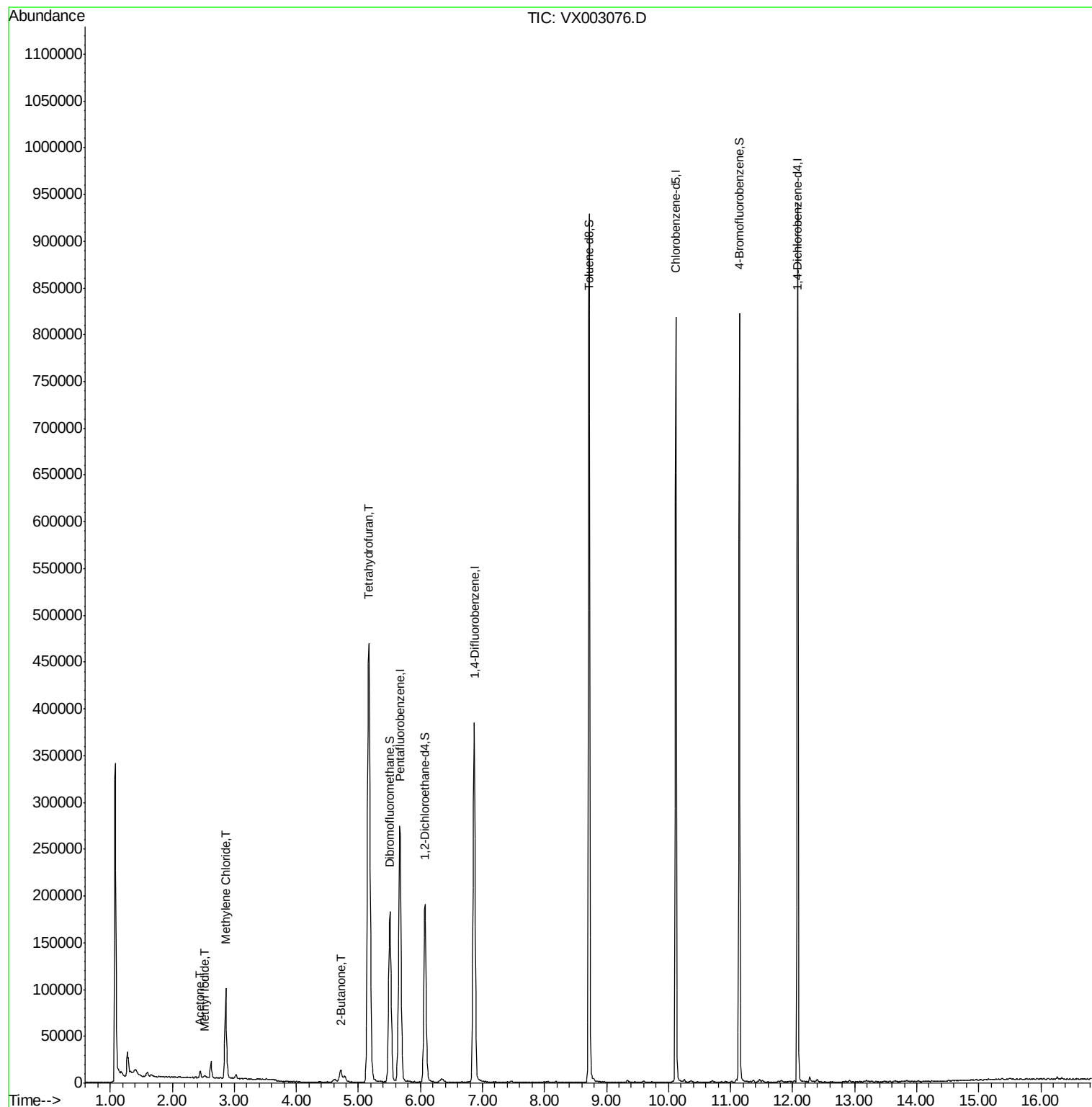
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.51	142	2078	6.80	ug/l	# 92
16) Acetone	2.45	43	8488	5.26	ug/l	97
20) Methylene Chloride	2.86	84	46076	14.68	ug/l	97
25) 2-Butanone	4.71	43	22003	9.19	ug/l	93
29) Tetrahydrofuran	5.17	42	435660	283.80	ug/l	98

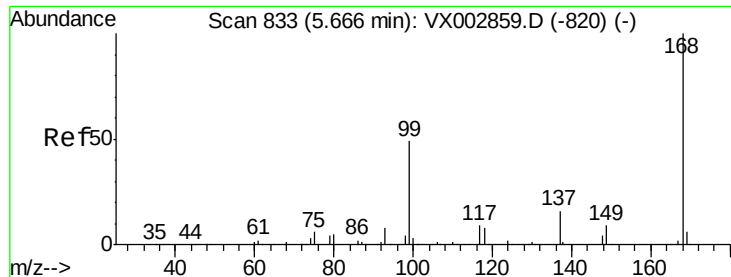
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003076.D

Acq: 30 Jun 2018 14:04

Instrument :

MSVOA_X

ClientSampleId :

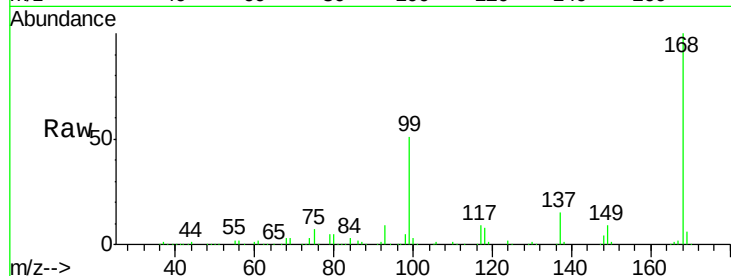
S22-EB-2018-1

Tot Ion:168 Resp: 281789

Ion Ratio Lower Upper

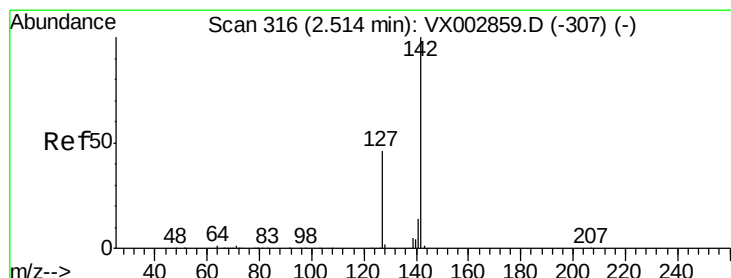
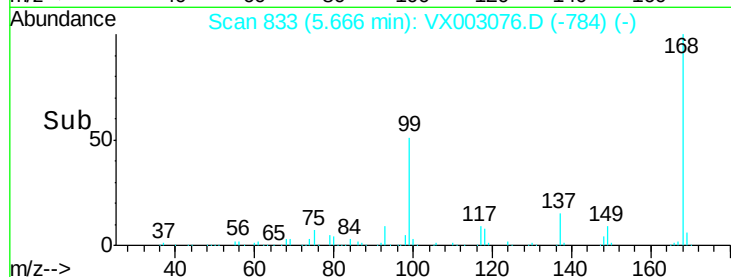
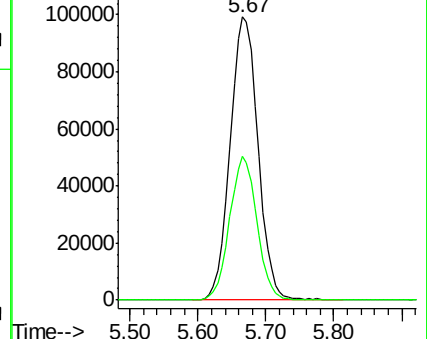
168 100

99 51.0 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 6.80 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX003076.D

Acq: 30 Jun 2018 14:04

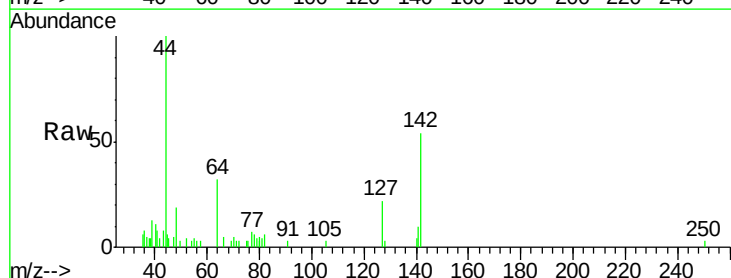
Tgt Ion:142 Resp: 2078

Ion Ratio Lower Upper

142 100

127 49.3 36.6 55.0

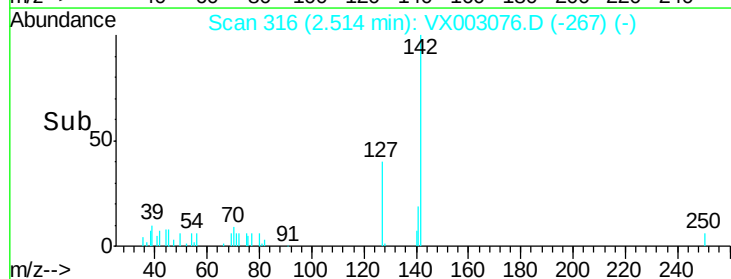
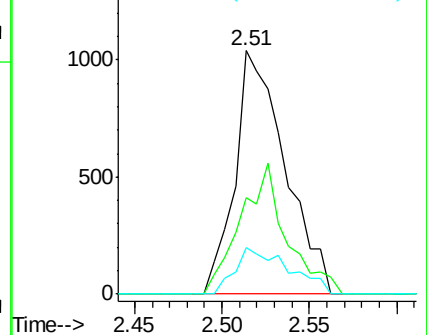
141 20.5 11.3 16.9#

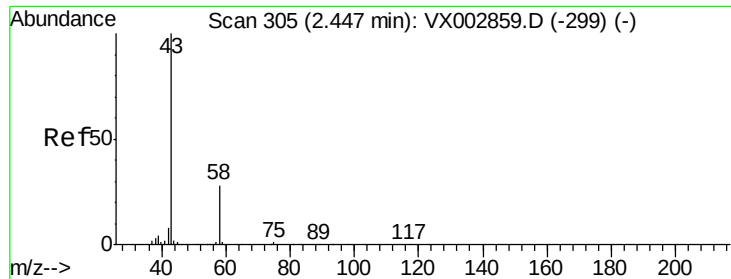


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 5.26 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003076.D

Acq: 30 Jun 2018 14:04

Instrument :

MSVOA_X

ClientSampleId :

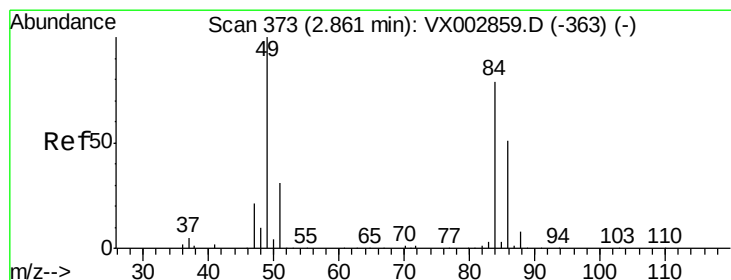
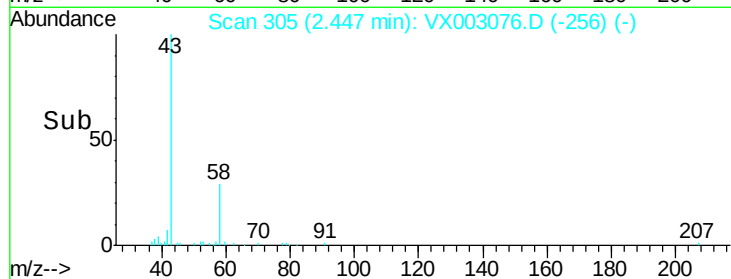
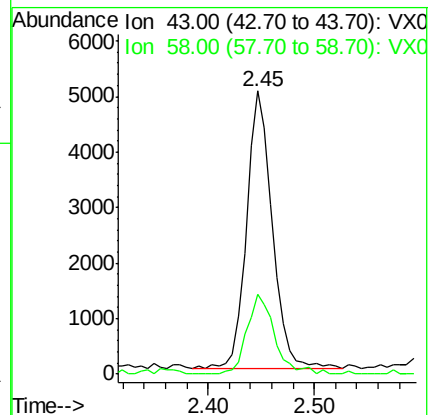
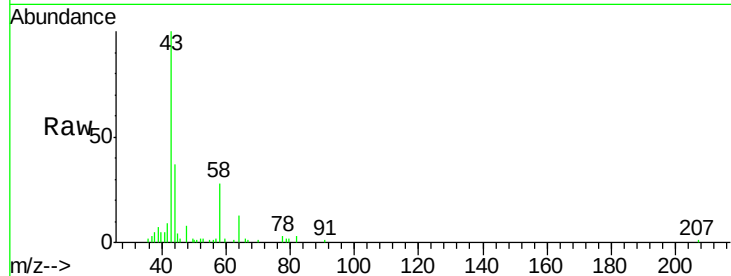
S22-EB-2018-1

Tot Ion: 43 Resp: 8488

Ion Ratio Lower Upper

43 100

58 28.9 22.1 33.1



#20

Methylene Chloride

Concen: 14.68 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX003076.D

Acq: 30 Jun 2018 14:04

Tgt Ion: 84 Resp: 46076

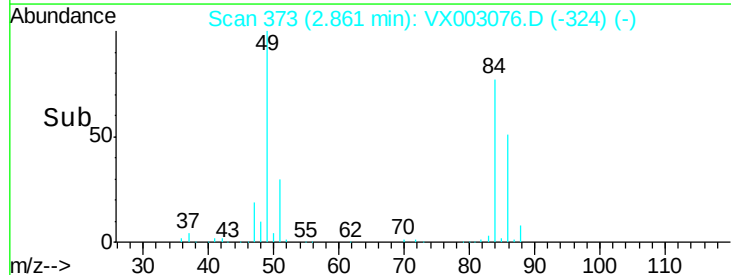
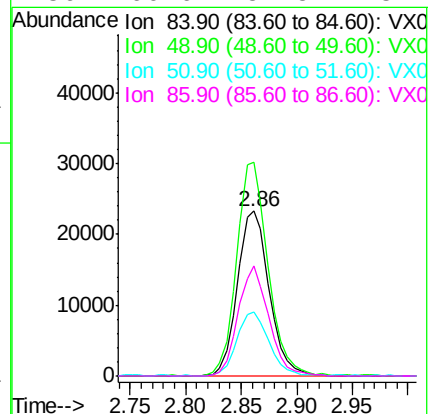
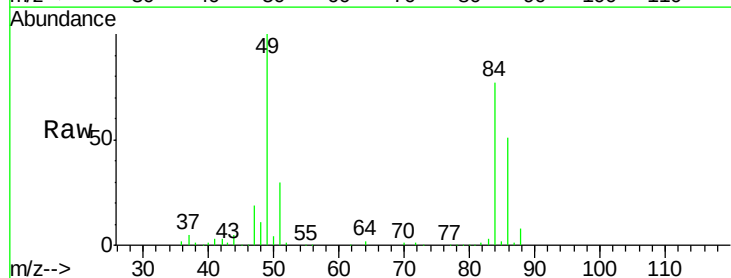
Ion Ratio Lower Upper

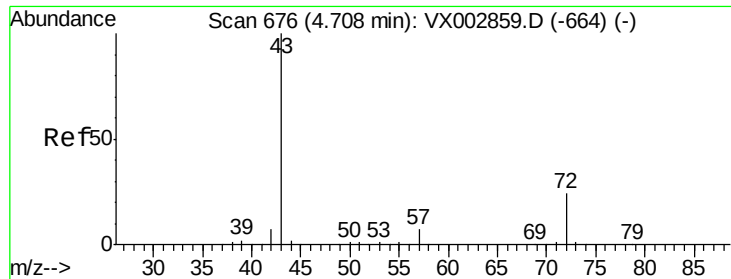
84 100

49 129.4 107.8 161.6

51 38.5 32.8 49.2

86 66.6 52.5 78.7

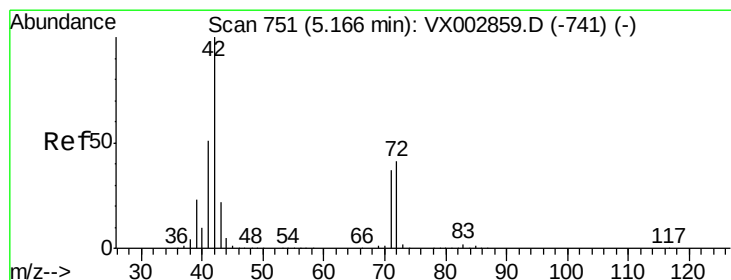
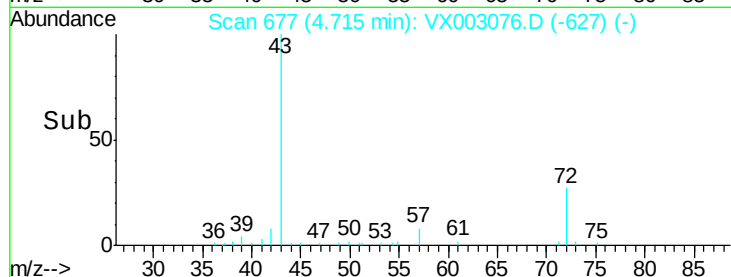
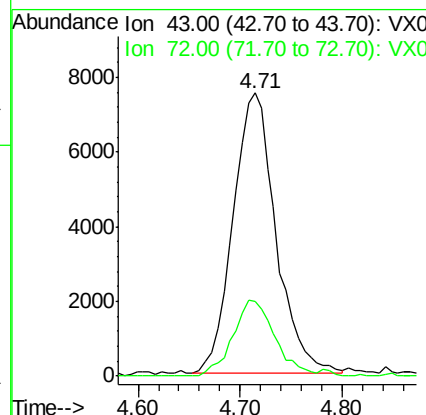
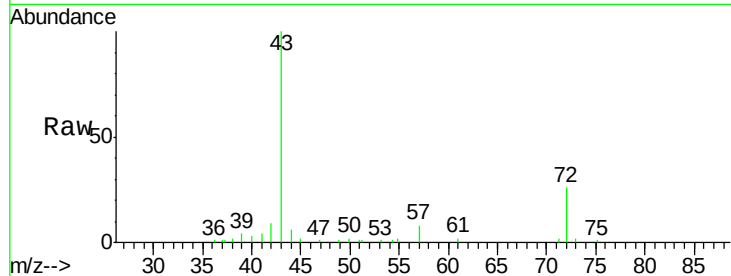




#25
2-Butanone
Concen: 9.19 ug/l
RT: 4.71 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX003076.D
Acq: 30 Jun 2018 14:04

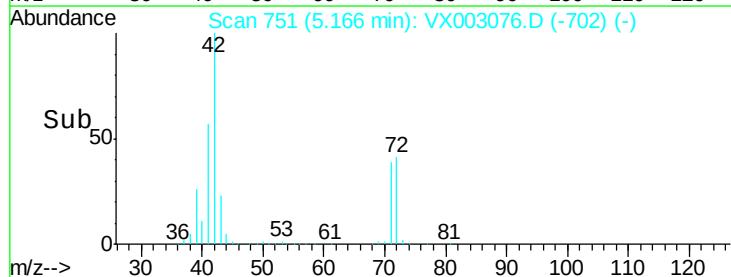
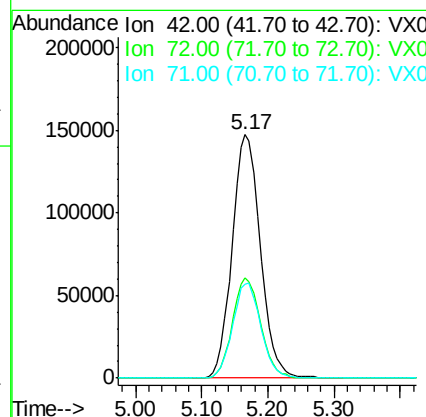
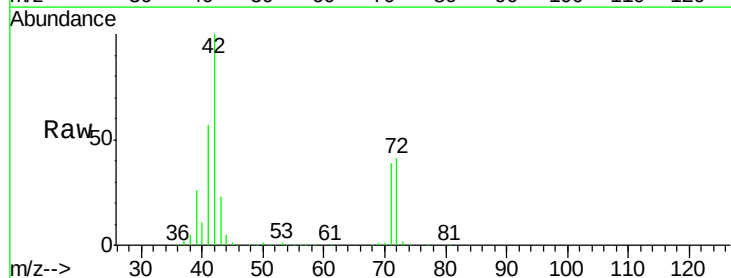
Instrument :
MSVOA_X
ClientSampleId :
S22-EB-2018-1

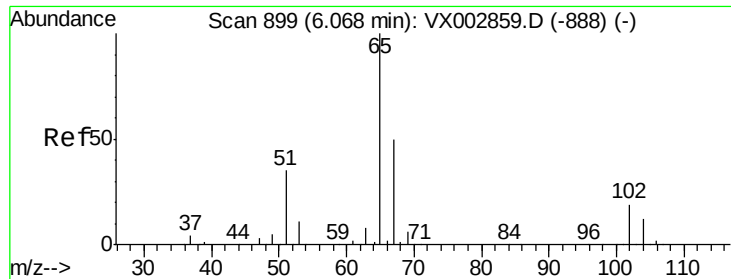
Tot Ion: 43 Resp: 22003
Ion Ratio Lower Upper
43 100
72 26.7 18.5 27.7



#29
Tetrahydrofuran
Concen: 283.80 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003076.D
Acq: 30 Jun 2018 14:04

Tgt Ion: 42 Resp: 435660
Ion Ratio Lower Upper
42 100
72 41.2 32.0 48.0
71 39.1 30.1 45.1

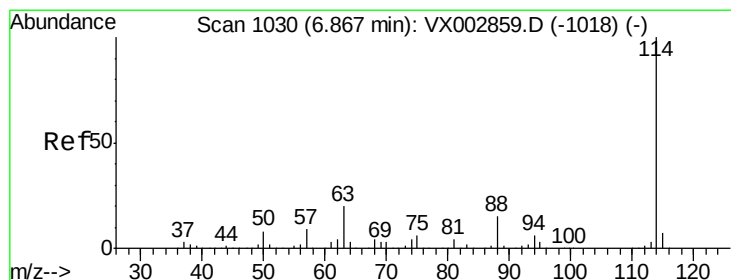
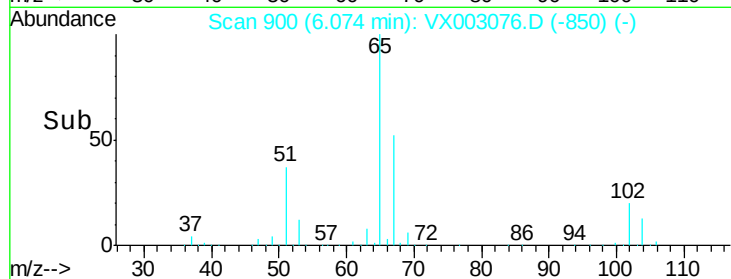
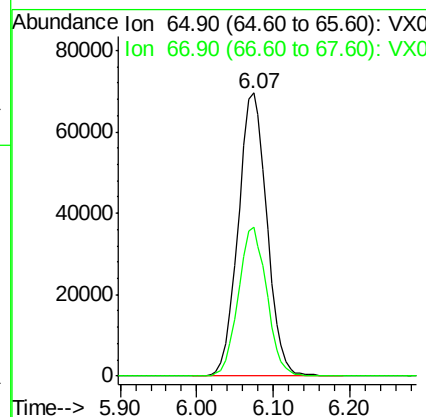
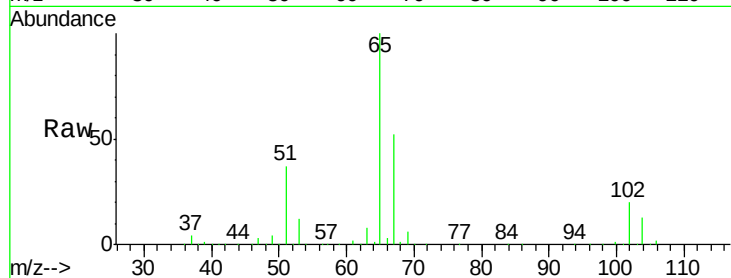




#33
 1,2-Dichloroethane-d4
 Concen: 46.46 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003076.D
 Acq: 30 Jun 2018 14:04

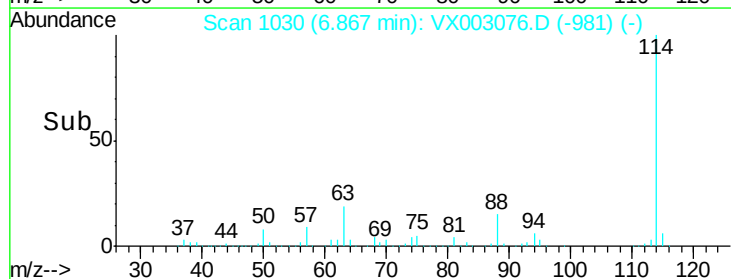
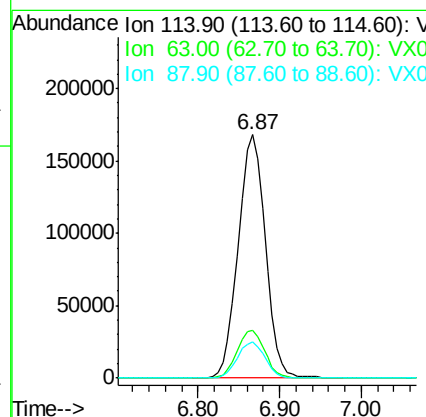
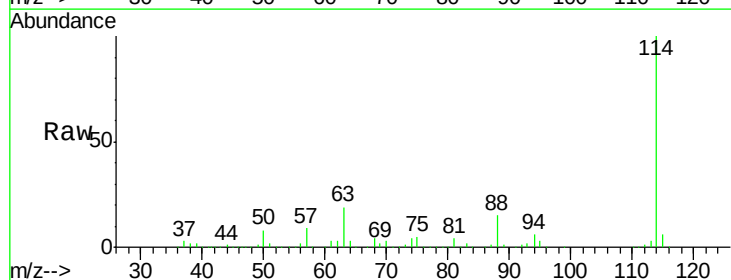
Instrument :
 MSVOA_X
 ClientSampleId :
 S22-EB-2018-1

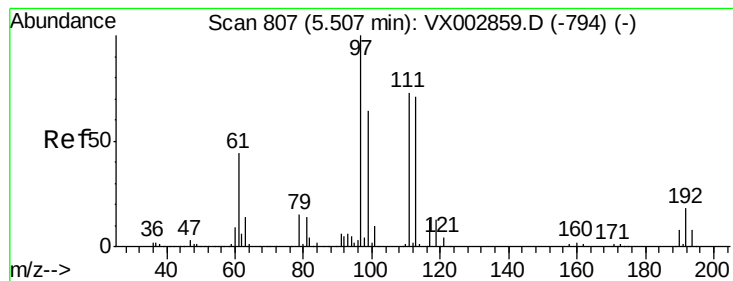
Tot Ion: 65 Resp: 180967
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003076.D
 Acq: 30 Jun 2018 14:04

Tgt Ion: 114 Resp: 387532
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 41.4
 88 14.9 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.49 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003076.D

Acq: 30 Jun 2018 14:04

Instrument :

MSVOA_X

ClientSampled :

S22-EB-2018-1

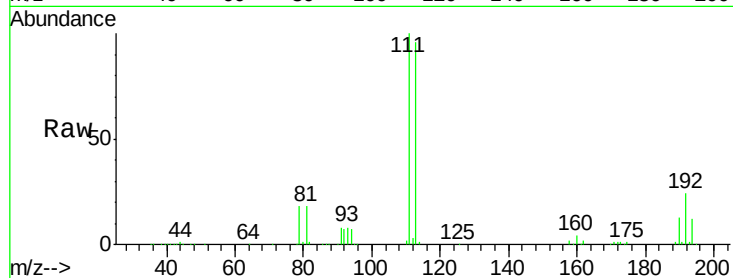
Tot Ion:113 Resp: 148809

Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.0

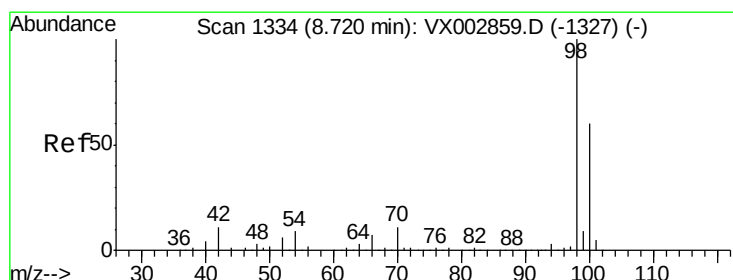
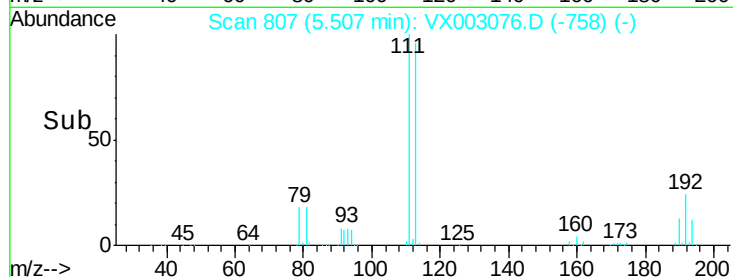
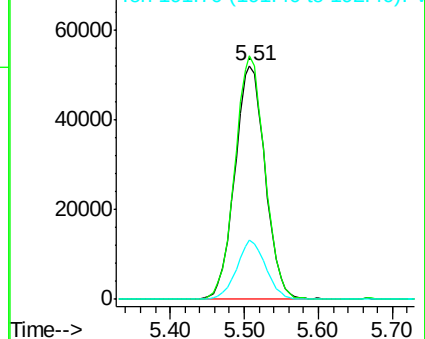
192 24.2 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#50

Toluene-d8

Concen: 48.12 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003076.D

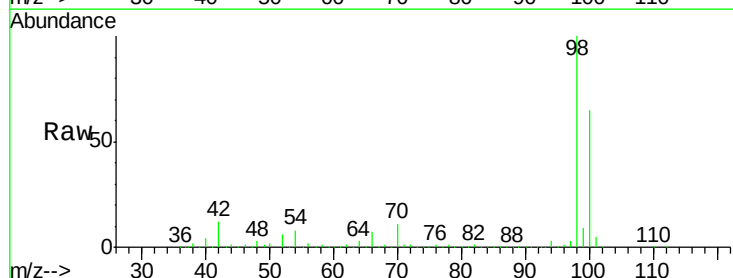
Acq: 30 Jun 2018 14:04

Tgt Ion: 98 Resp: 539242

Ion Ratio Lower Upper

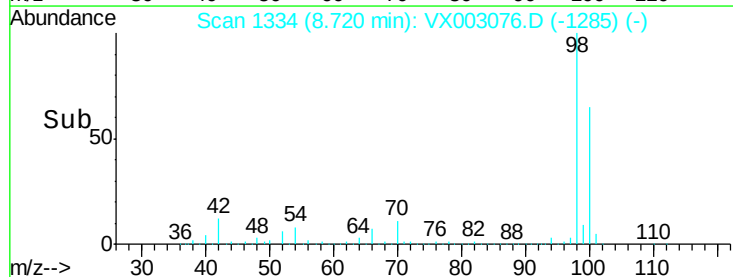
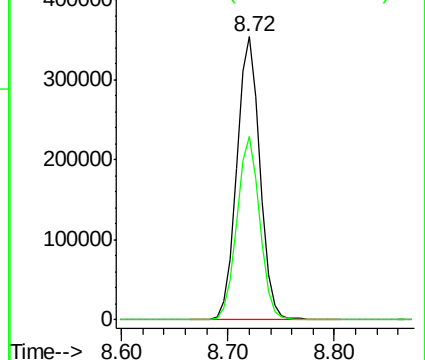
98 100

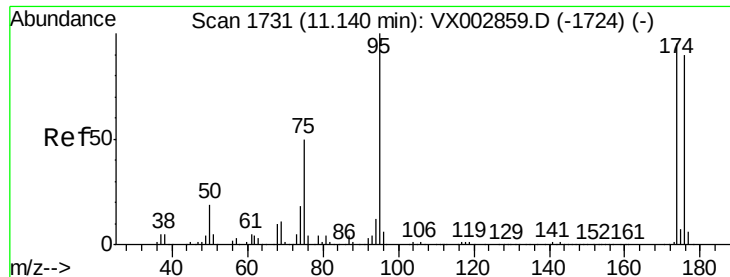
100 64.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.55 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003076.D

Acq: 30 Jun 2018 14:04

Instrument :

MSVOA_X

ClientSampleId :

S22-EB-2018-1

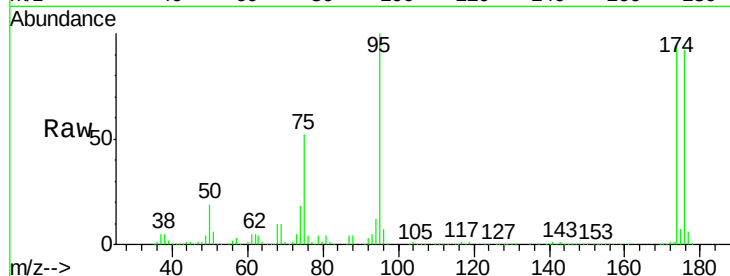
Tot Ion: 95 Resp: 192547

Ion Ratio Lower Upper

95 100

174 97.5 0.0 187.4

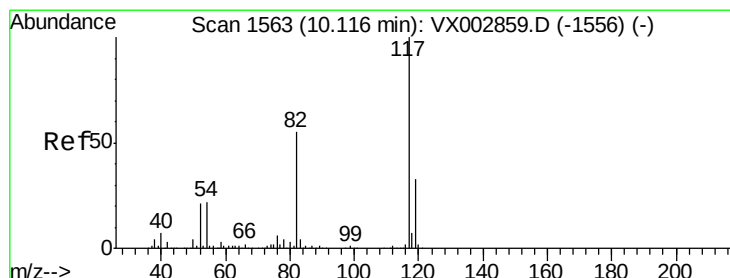
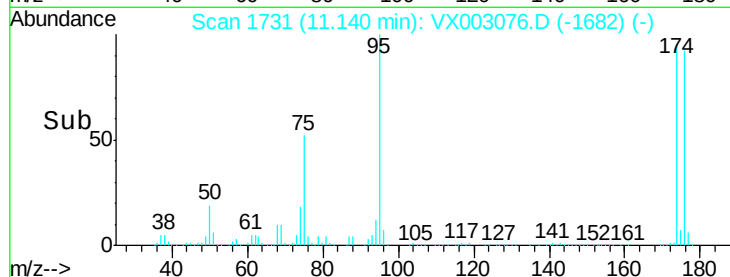
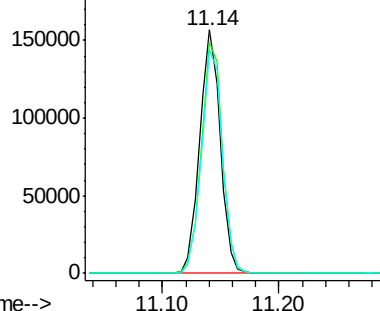
176 94.0 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003076.D

Acq: 30 Jun 2018 14:04

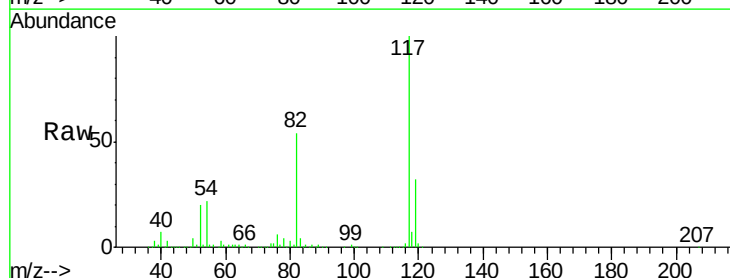
Tgt Ion: 117 Resp: 357785

Ion Ratio Lower Upper

117 100

82 53.8 45.0 67.4

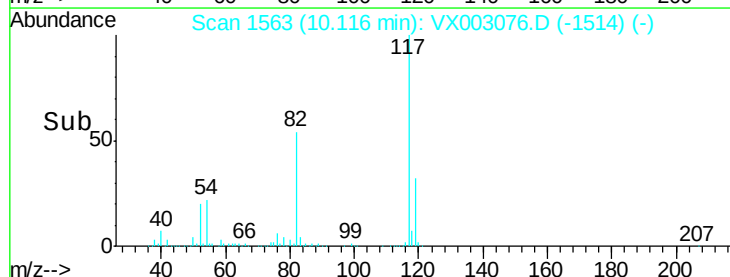
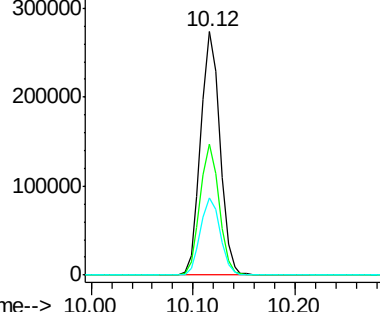
119 31.9 25.8 38.6

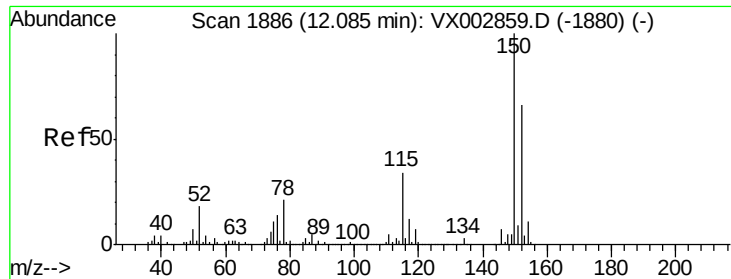


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX003076.D

Acq: 30 Jun 2018 14:04

Instrument :

MSVOA_X

ClientSampleId :

S22-EB-2018-1

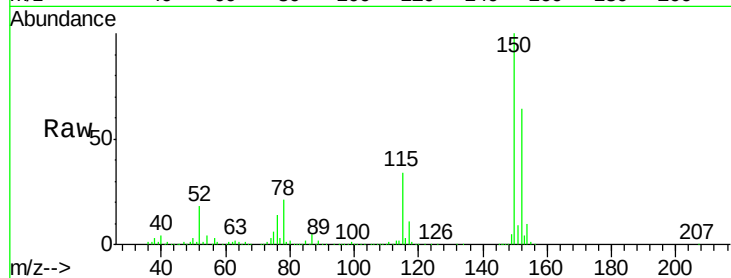
Tot Ion:152 Resp: 203901

Ion Ratio Lower Upper

152 100

115 54.4 40.1 120.2

150 157.1 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

