

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030818\
 Data File : VX000218.D
 Acq On : 08 Mar 2018 12:31
 Operator : JC/MD
 Sample : J1833-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-180306-02

Quant Time: Mar 08 13:49:50 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	5.03	128	19622	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	118298	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	111406	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.08	65	48239	31.77	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.90%
60) 4-Bromofluorobenzene	11.15	95	51322	28.16	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.87%
63) Toluene-d8	8.72	98	144790	30.34	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.13%

Target Compounds

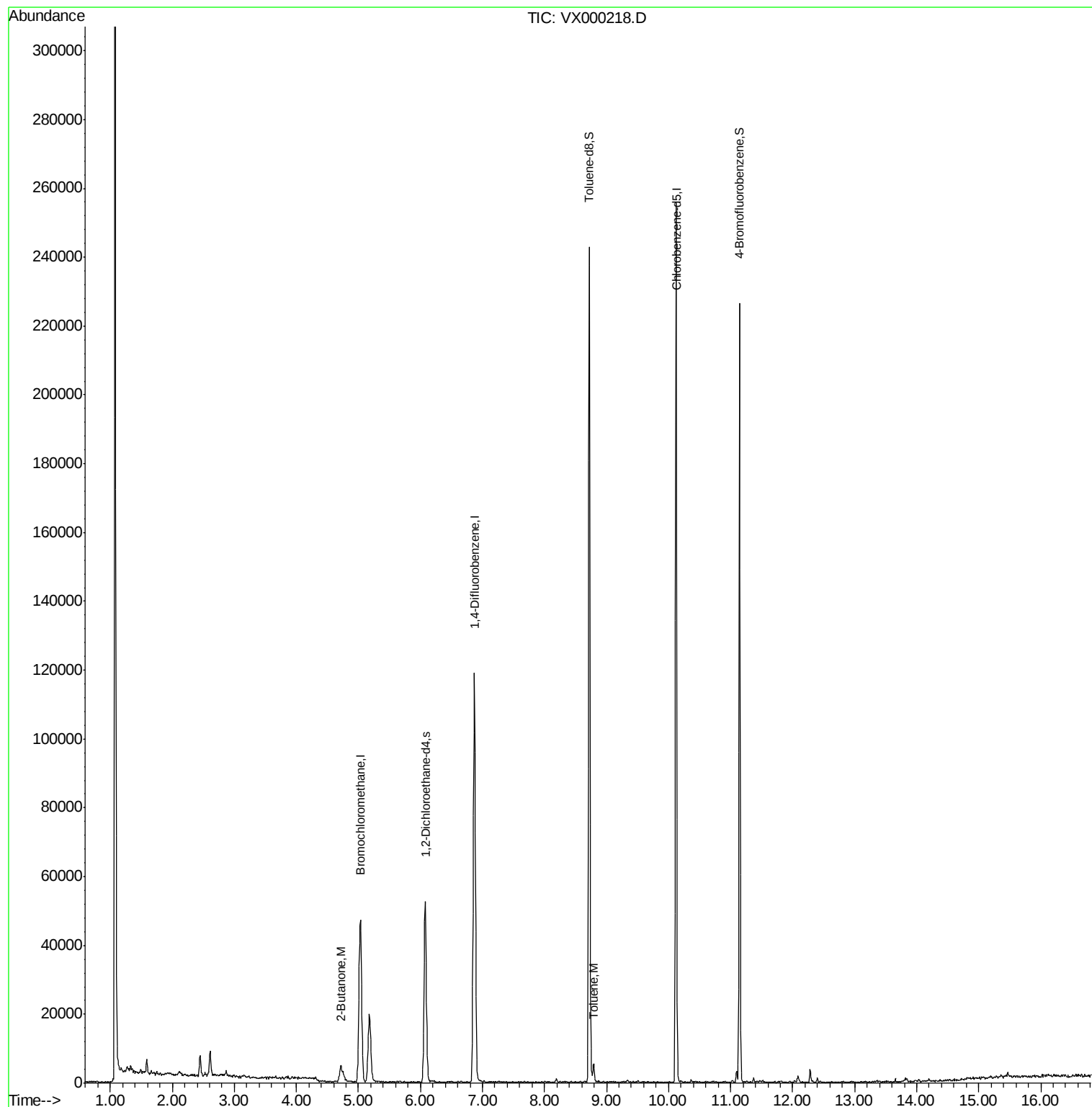
					Ovalue
30) 2-Butanone	4.72	43	7771	5.86 ug/l	# 97
62) Toluene	8.79	91	2859	0.49 ug/l	94

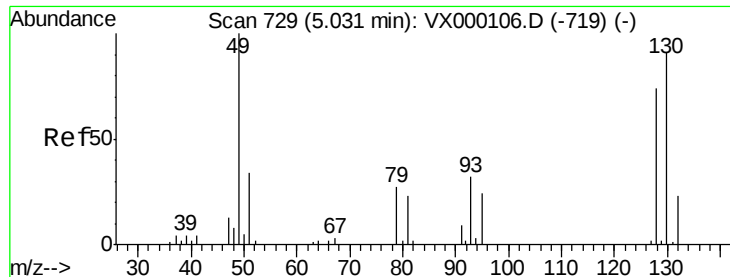
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 729

Delta R.T. 0.00 min

Lab File: VX000218.D

Acq: 08 Mar 2018 12:31

Instrument :

MSVOA_X

ClientSampled :

EFF-180306-02

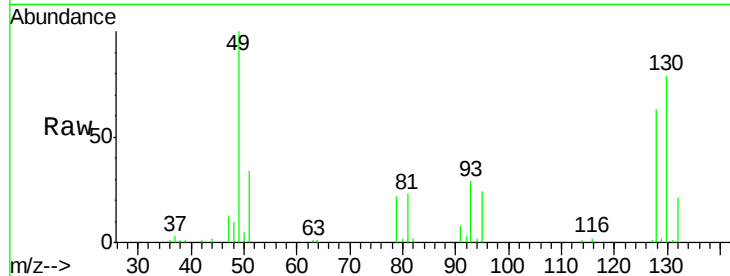
Tot Ion:128 Resp: 19622

Ion Ratio Lower Upper

128 100

49 155.3 0.0 378.3

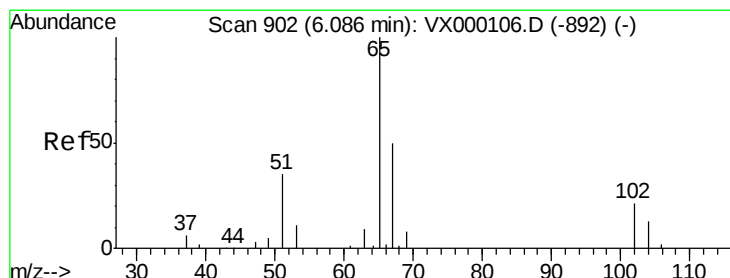
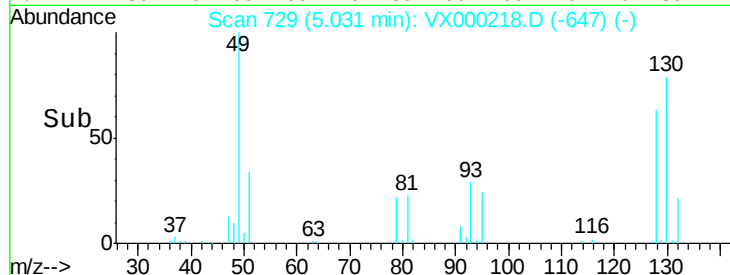
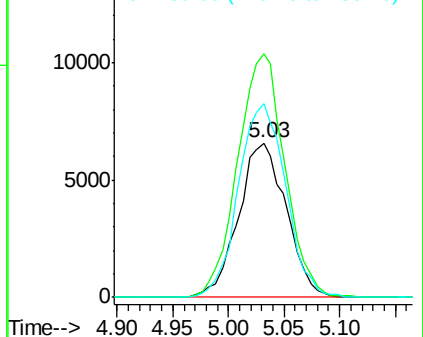
130 123.6 0.0 324.3



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



#27

1,2-Dichloroethane-d4

Concen: 31.77 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.01 min

Lab File: VX000218.D

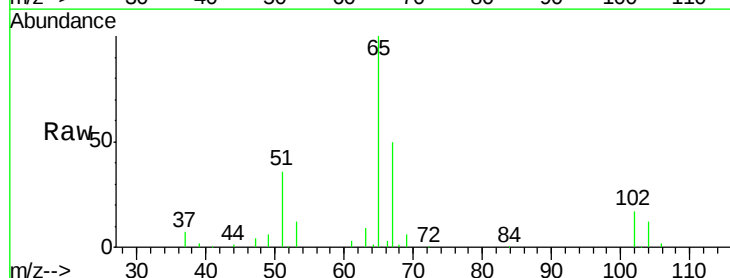
Acq: 08 Mar 2018 12:31

Tgt Ion: 65 Resp: 48239

Ion Ratio Lower Upper

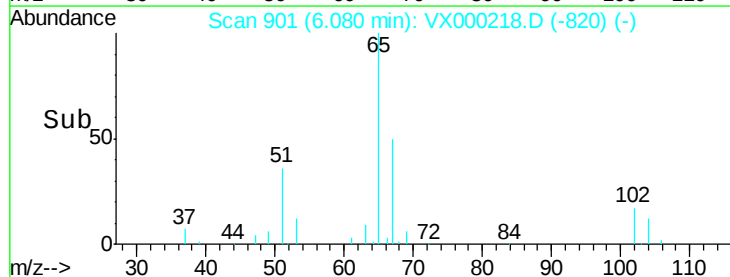
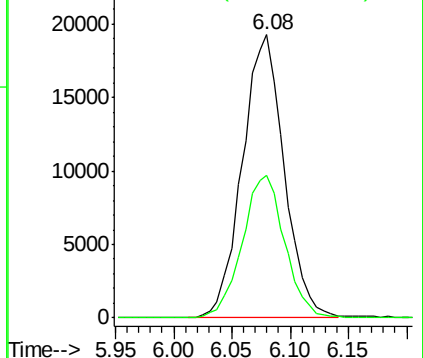
65 100

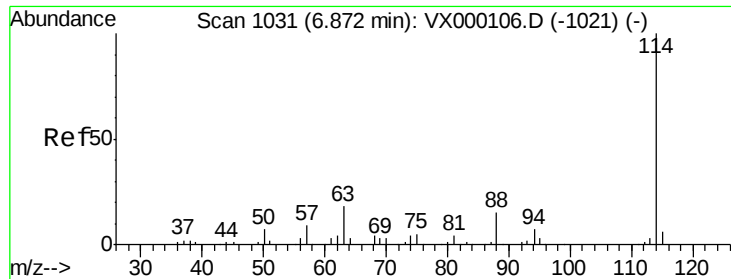
67 50.9 41.4 62.2



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

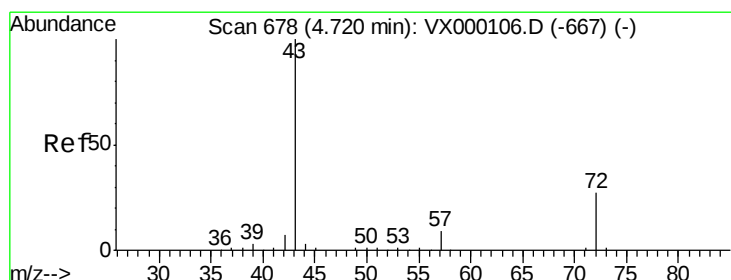
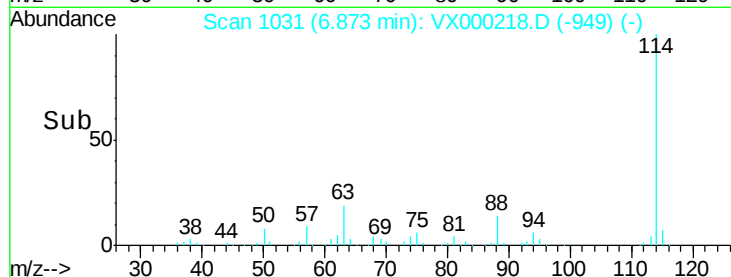
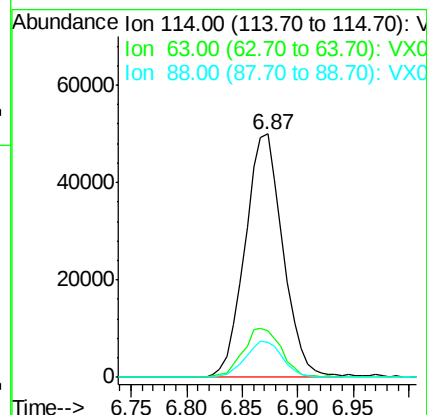
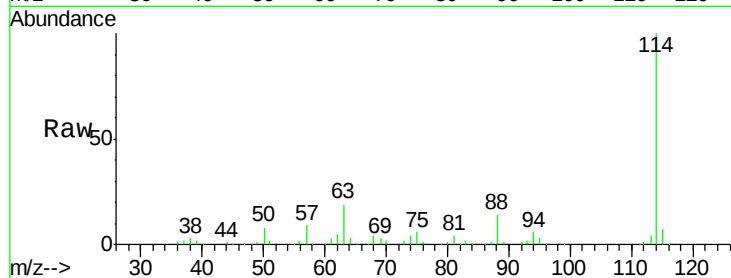




#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000218.D
 Acq: 08 Mar 2018 12:31

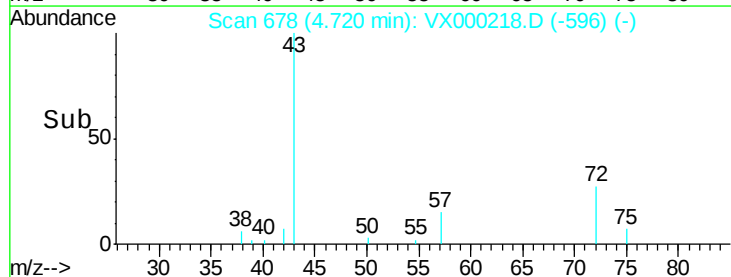
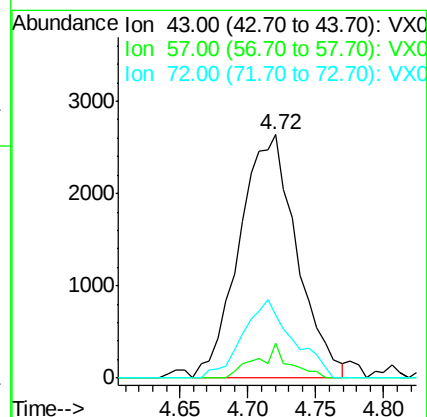
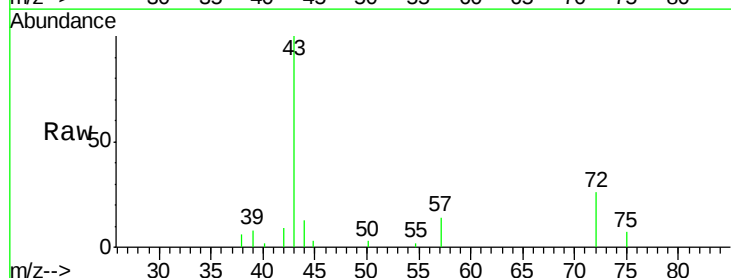
Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-180306-02

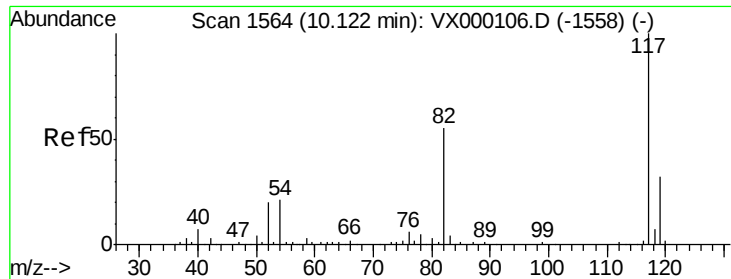
Tot Ion:114 Resp: 118298
 Ion Ratio Lower Upper
 114 100
 63 20.6 15.0 22.4
 88 14.6 11.8 17.8



#30
 2-Butanone
 Concen: 5.86 ug/l
 RT: 4.72 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VX000218.D
 Acq: 08 Mar 2018 12:31

Tgt Ion: 43 Resp: 7771
 Ion Ratio Lower Upper
 43 100
 57 4.4 6.6 10.0#
 72 27.0 21.8 32.6

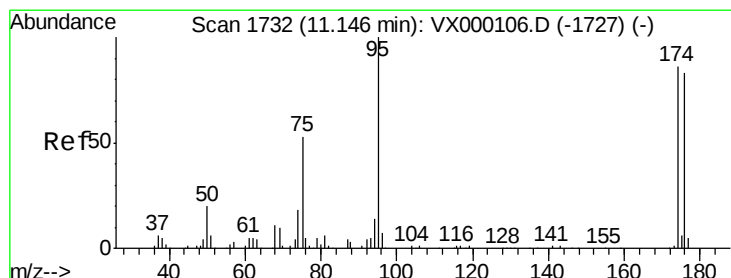
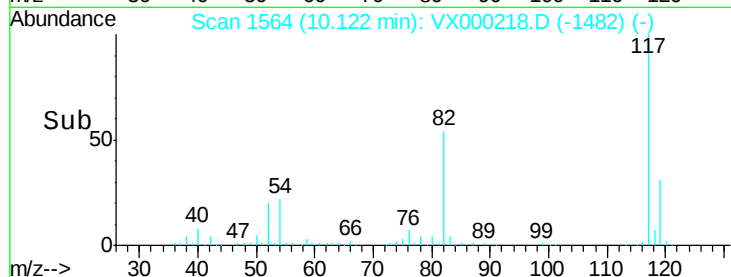
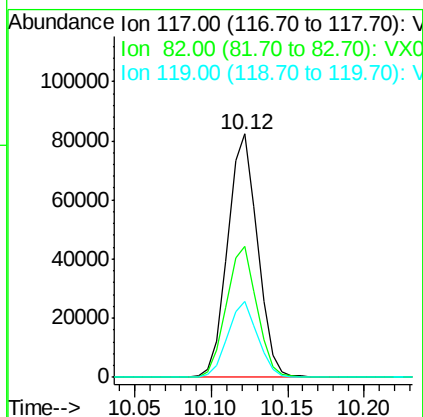
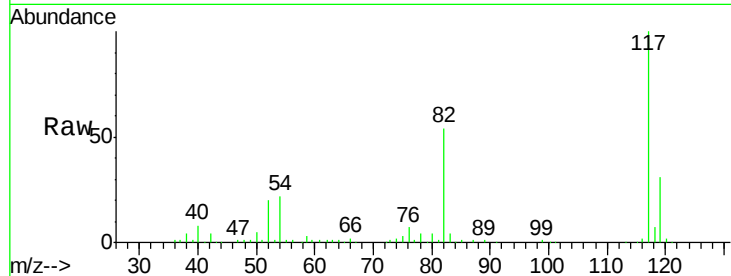




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000218.D
Acq: 08 Mar 2018 12:31

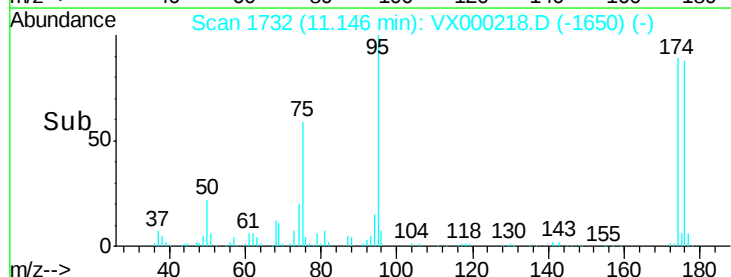
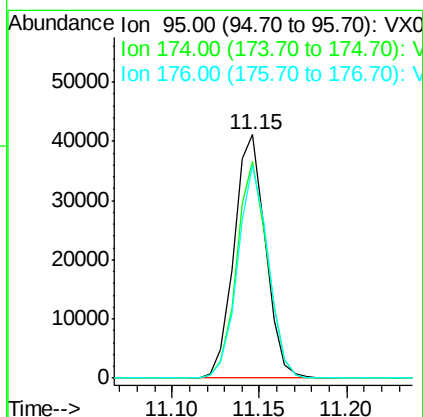
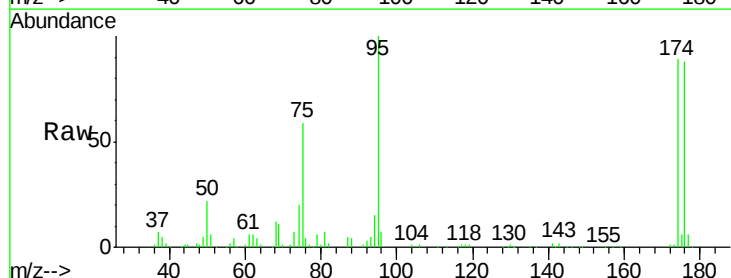
Instrument :
MSVOA_X
ClientSampled :
EFF-180306-02

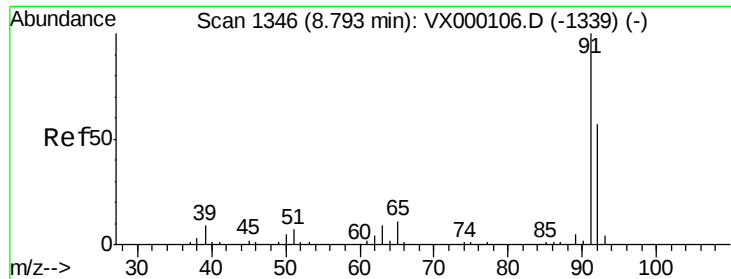
Tot Ion:117 Resp: 111406
Ion Ratio Lower Upper
117 100
82 54.8 43.0 64.4
119 30.9 25.8 38.8



#60
4-Bromofluorobenzene
Concen: 28.16 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000218.D
Acq: 08 Mar 2018 12:31

Tgt Ion: 95 Resp: 51322
Ion Ratio Lower Upper
95 100
174 87.1 71.1 106.7
176 84.9 69.3 103.9





#62

Toluene

Concen: 0.49 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000218.D

Acq: 08 Mar 2018 12:31

Instrument :

MSVOA_X

ClientSampleId :

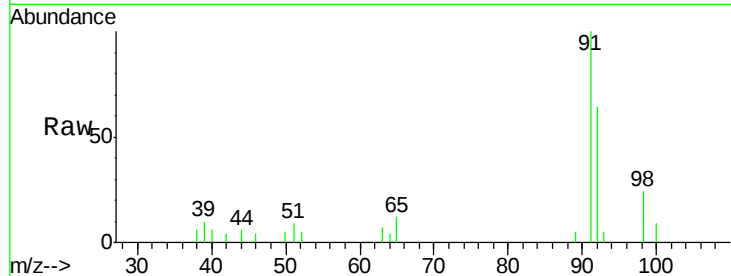
EFF-180306-02

Tot Ion: 91 Resp: 2859

Ion Ratio Lower Upper

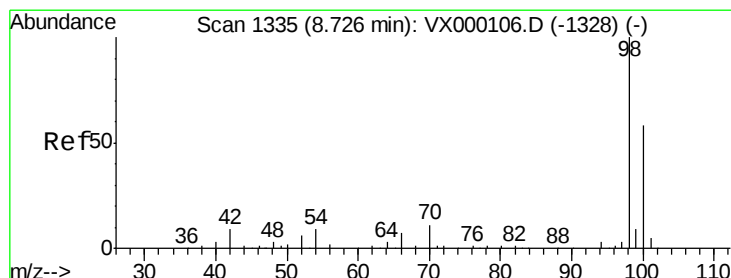
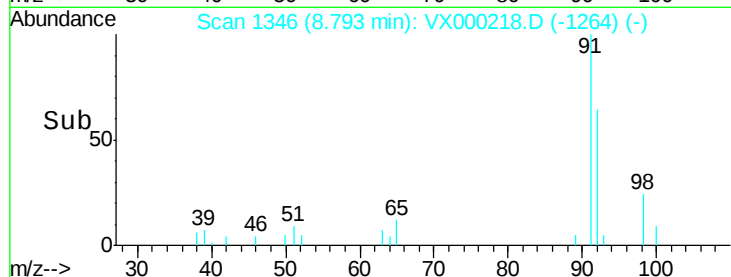
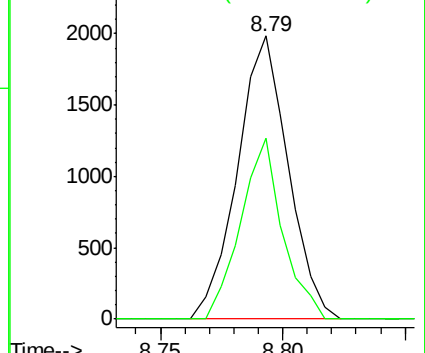
91 100

92 52.6 45.4 68.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0



#63

Toluene-d8

Concen: 30.34 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VX000218.D

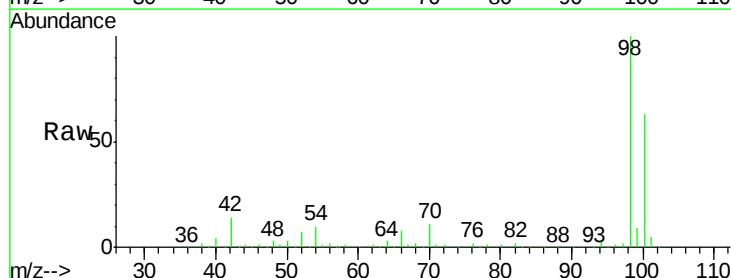
Acq: 08 Mar 2018 12:31

Tgt Ion: 98 Resp: 144790

Ion Ratio Lower Upper

98 100

100 63.9 50.0 75.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

