

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071218\
 Data File : VX003356.D
 Acq On : 12 Jul 2018 17:22
 Operator : JC/MD
 Sample : J3945-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 2-AVE-16

Quant Time: Jul 12 19:13:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 12 13:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	61879	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	307918	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	260430	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	124177	29.38	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery	=	97.93%	
60) 4-Bromofluorobenzene	11.14	95	112162	26.80	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery	=	89.33%	
63) Toluene-d8	8.72	98	349454	30.35	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery	=	101.17%	

Target Compounds

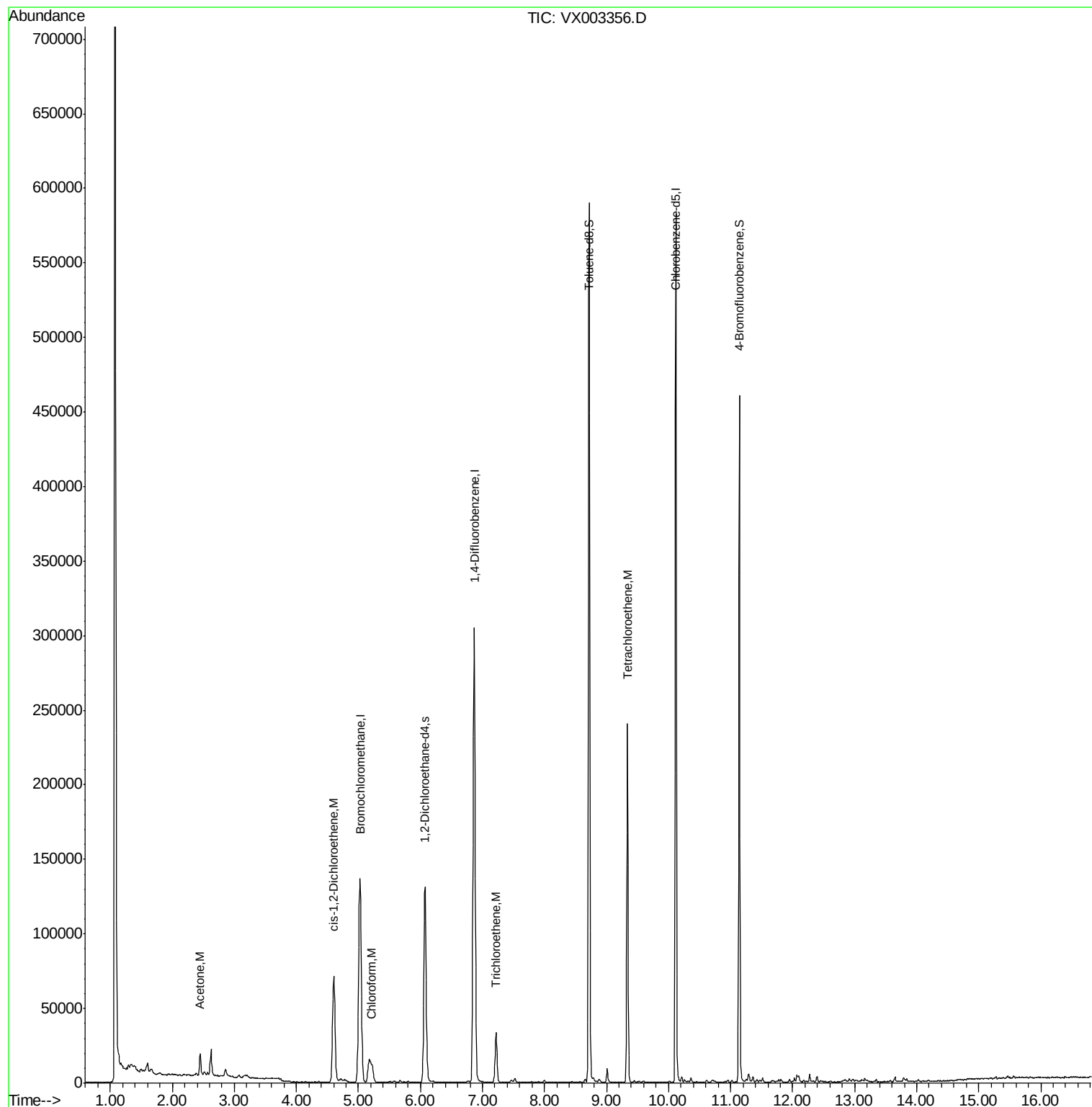
					Ovalue
15) Acetone	2.45	58	5150	8.353	ug/l 78
22) cis-1,2-Dichloroethene	4.60	96	47265	10.710	ug/l # 72
25) Chloroform	5.22	83	12027	1.721	ug/l 92
37) Trichloroethene	7.21	130	13715	3.469	ug/l 97
61) Tetrachloroethene	9.34	164	49814	12.497	ug/l 99

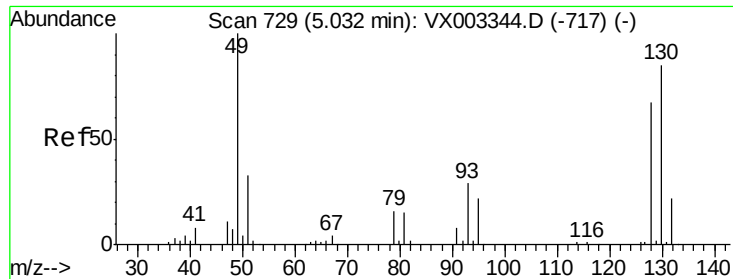
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 12 13:28:20 2018
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.01 min

Lab File: VX003356.D

Acq: 12 Jul 2018 17:22

Instrument :

MSVOA_X

ClientSampleId :

2-AVE-16

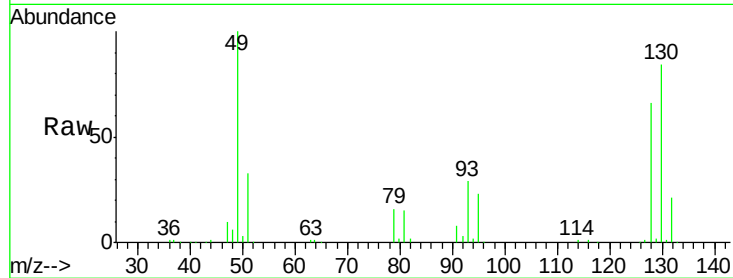
Tot Ion:128 Resp: 61879

Ion Ratio Lower Upper

128 100

49 149.9 0.0 423.0

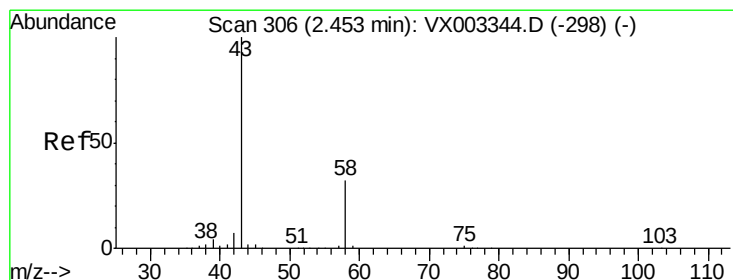
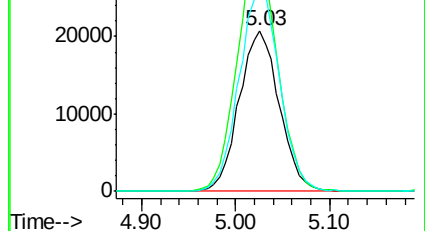
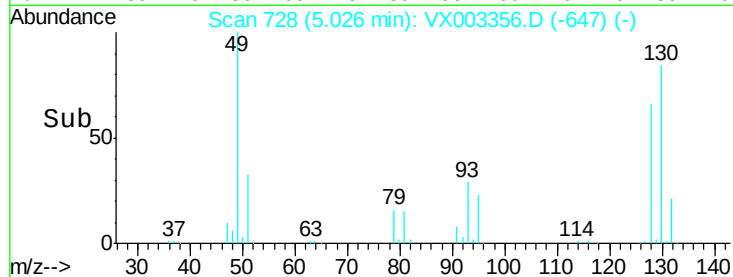
130 127.5 0.0 324.3



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



#15

Acetone

Concen: 8.353 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003356.D

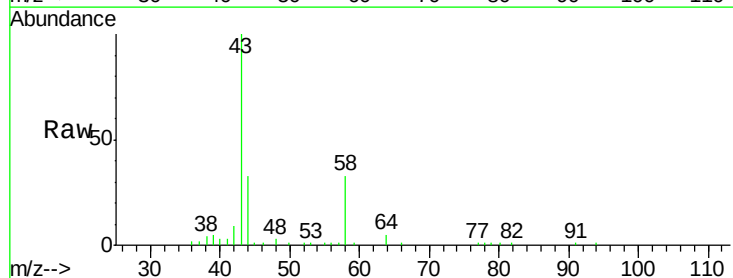
Acq: 12 Jul 2018 17:22

Tgt Ion: 58 Resp: 5150

Ion Ratio Lower Upper

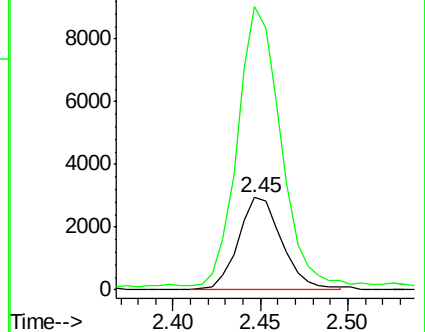
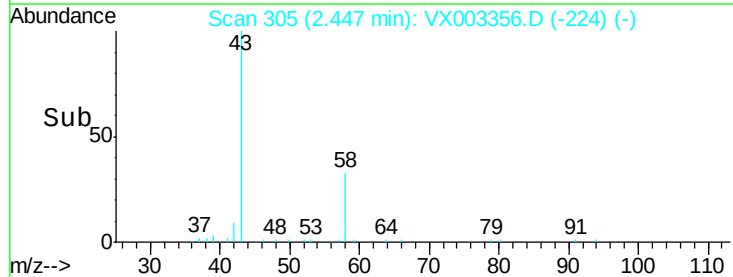
58 100

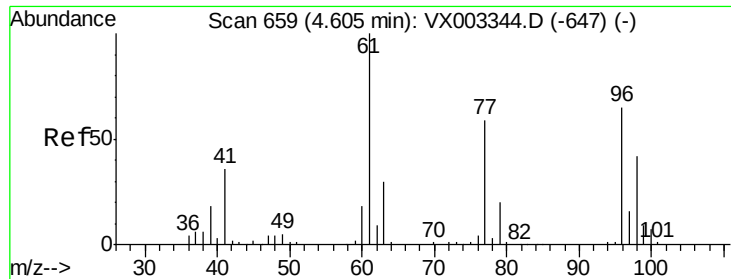
43 301.2 278.8 418.2



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#22

cis-1,2-Dichloroethene

Concen: 10.710 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX003356.D

Acq: 12 Jul 2018 17:22

Instrument :

MSVOA_X

ClientSampled :

2-AVE-16

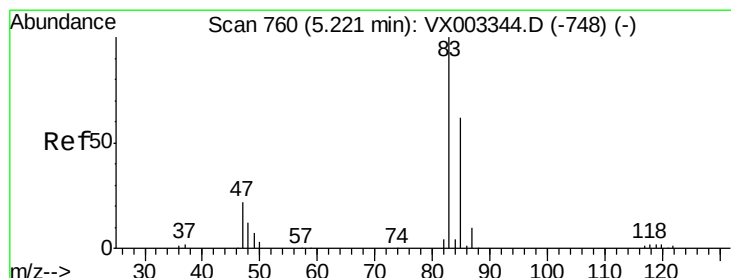
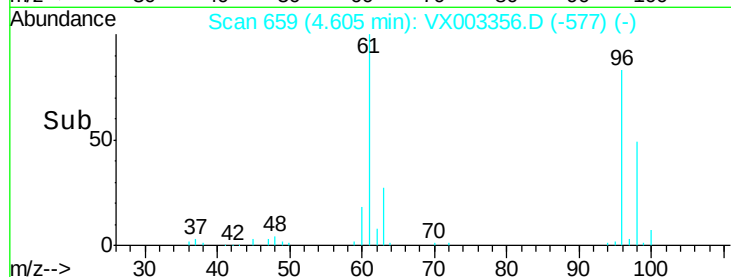
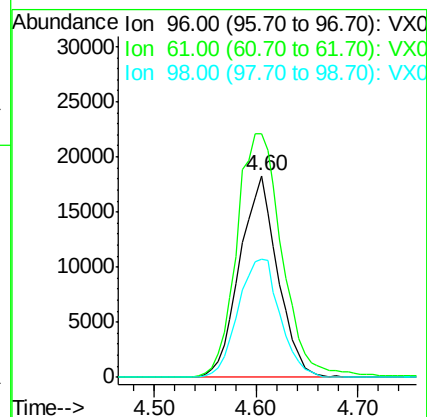
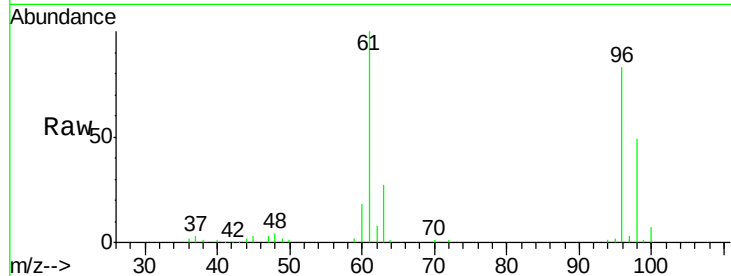
Tot Ion: 96 Resp: 47265

Ion Ratio Lower Upper

96 100

61 144.7 160.2 240.2#

98 64.9 54.1 81.1



#25

Chloroform

Concen: 1.721 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX003356.D

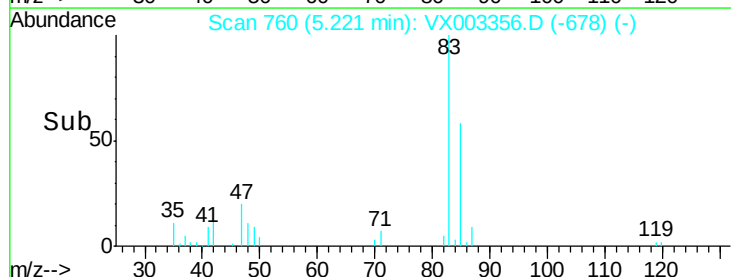
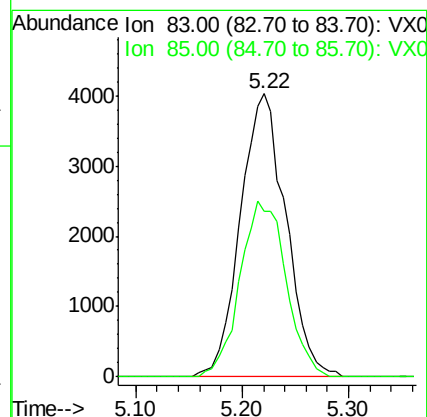
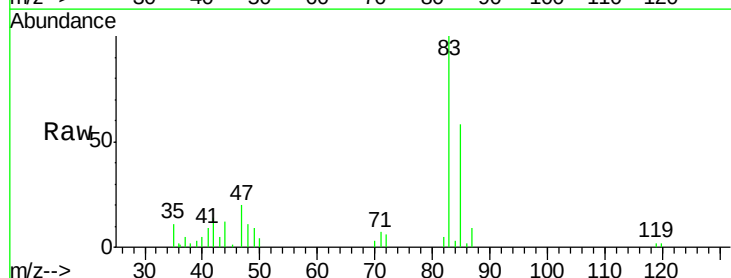
Acq: 12 Jul 2018 17:22

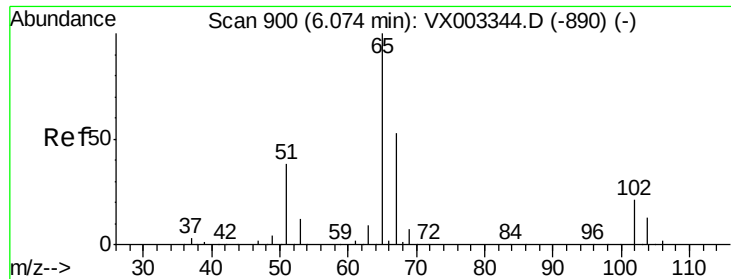
Tgt Ion: 83 Resp: 12027

Ion Ratio Lower Upper

83 100

85 58.4 51.9 77.9

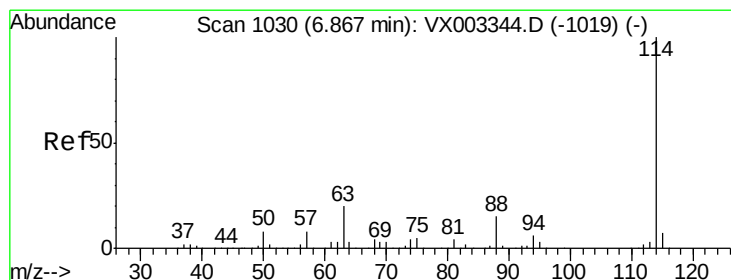
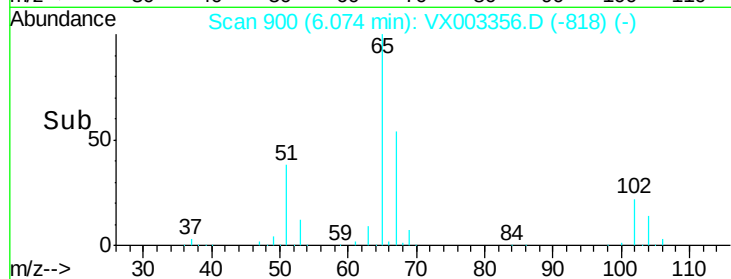
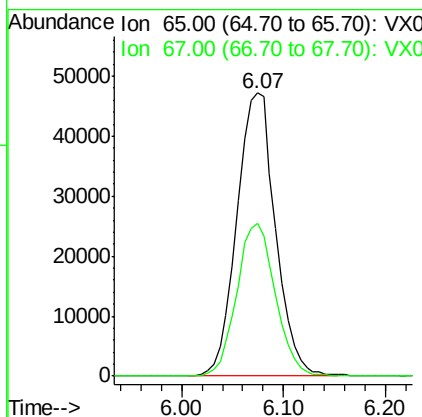
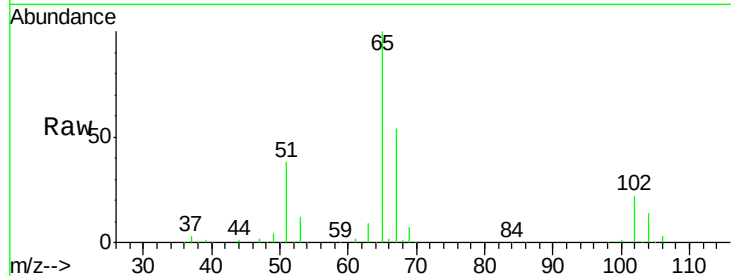




#27
 1,2-Dichloroethane-d4
 Concen: 29.383 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003356.D
 Acq: 12 Jul 2018 17:22

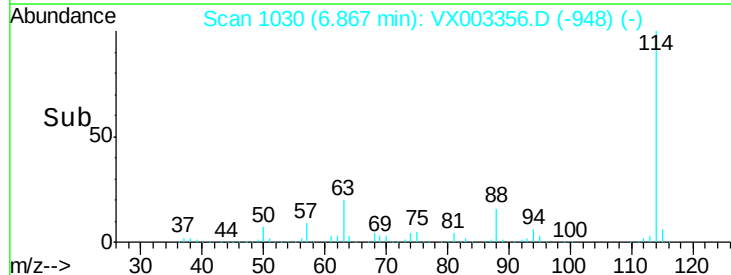
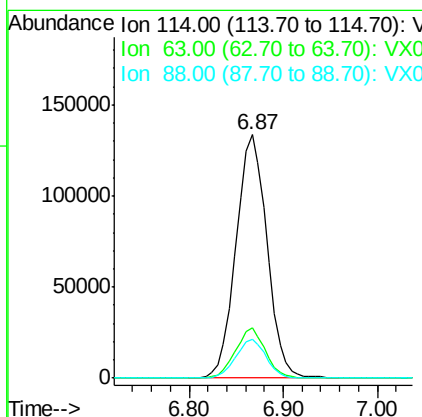
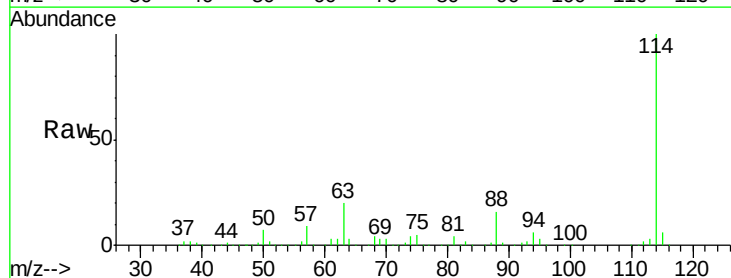
Instrument :
 MSVOA_X
 ClientSampled :
 2-AVE-16

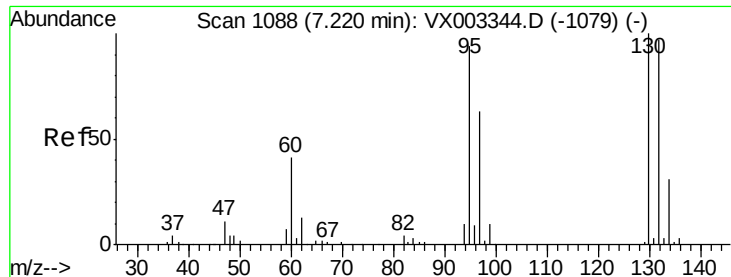
Tot Ion: 65 Resp: 124177
 Ion Ratio Lower Upper
 65 100
 67 53.8 40.9 61.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003356.D
 Acq: 12 Jul 2018 17:22

Tgt Ion: 114 Resp: 307918
 Ion Ratio Lower Upper
 114 100
 63 19.8 17.1 25.7
 88 15.5 12.6 19.0





#37

Trichloroethene

Concen: 3.469 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX003356.D

Acq: 12 Jul 2018 17:22

Instrument :

MSVOA_X

ClientSampleId :

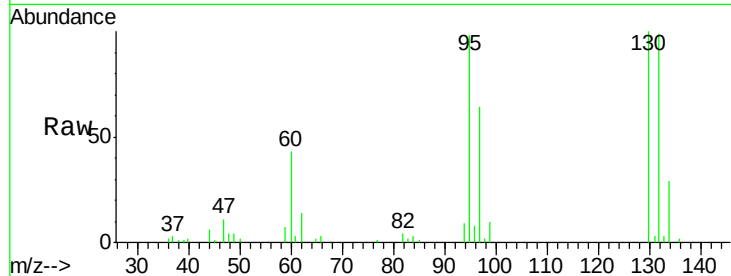
2-AVE-16

Tot Ion:130 Resp: 13715

Ion Ratio Lower Upper

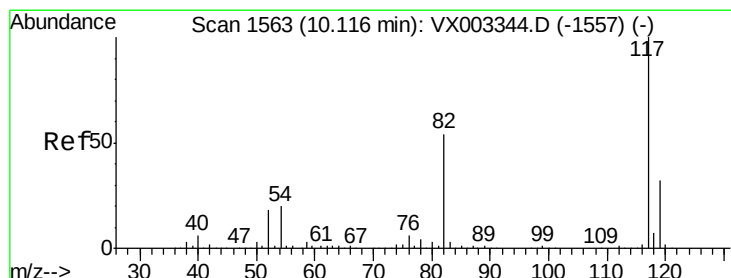
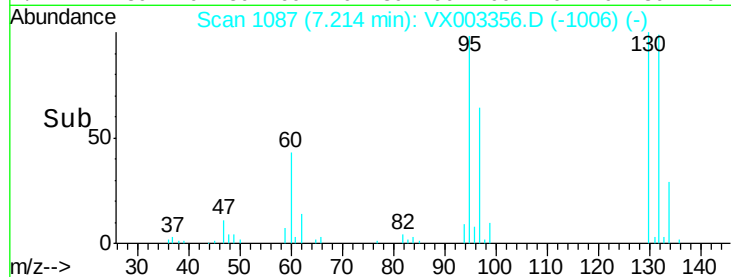
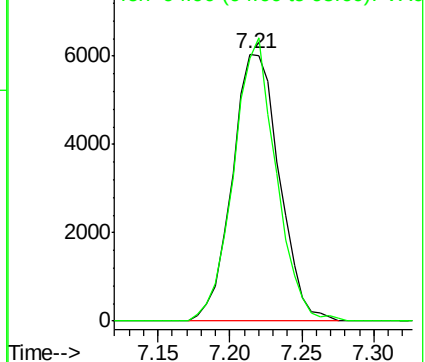
130 100

95 98.5 81.5 122.3



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003356.D

Acq: 12 Jul 2018 17:22

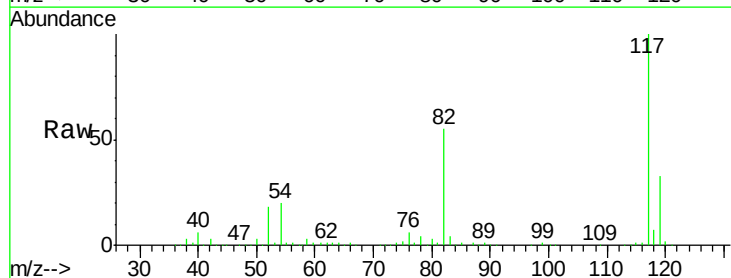
Tgt Ion:117 Resp: 260430

Ion Ratio Lower Upper

117 100

82 54.6 44.3 66.5

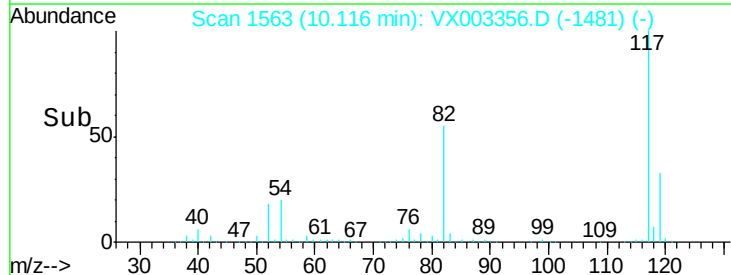
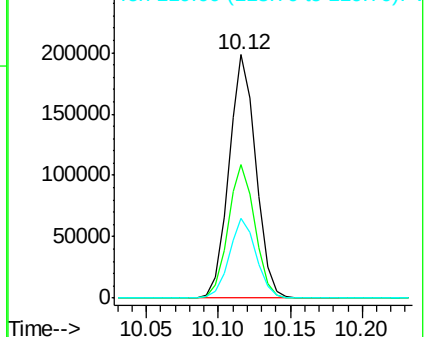
119 32.5 25.7 38.5

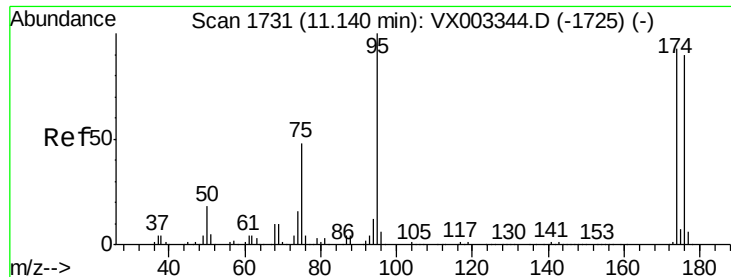


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V

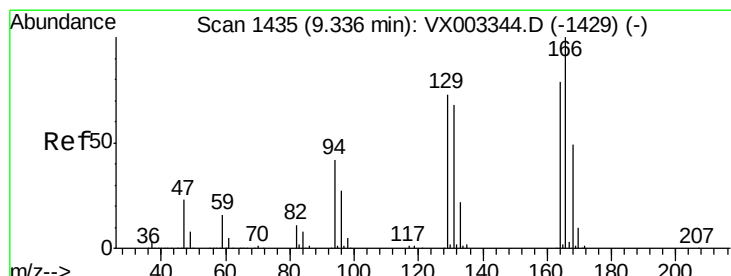
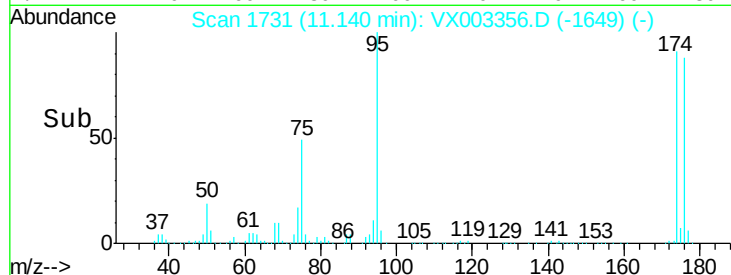
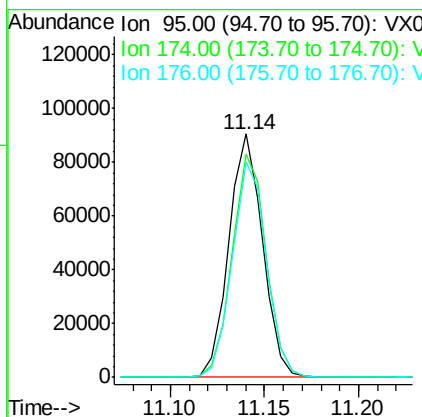
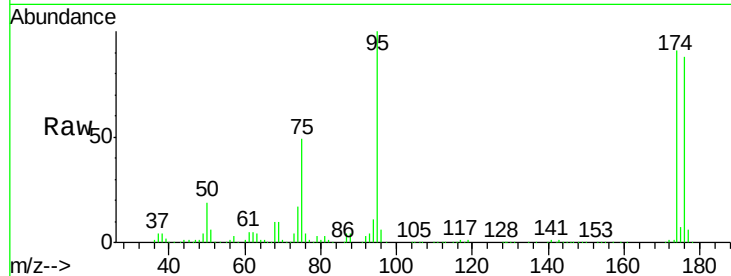




#60
4-Bromofluorobenzene
Concen: 26.802 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003356.D
Acq: 12 Jul 2018 17:22

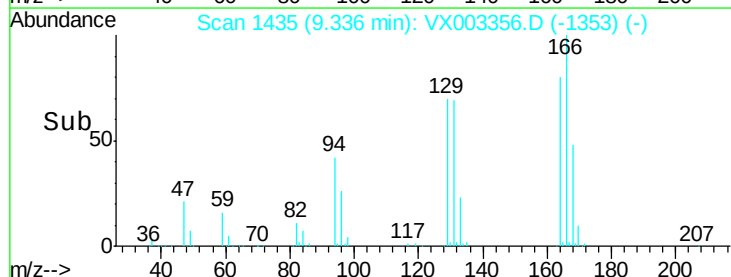
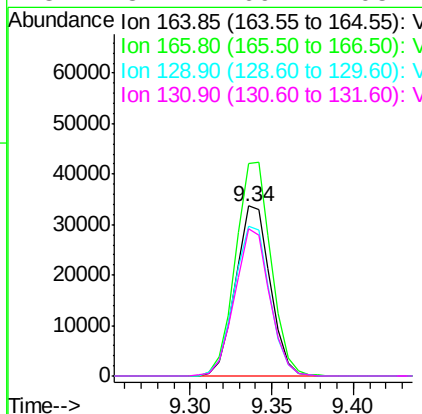
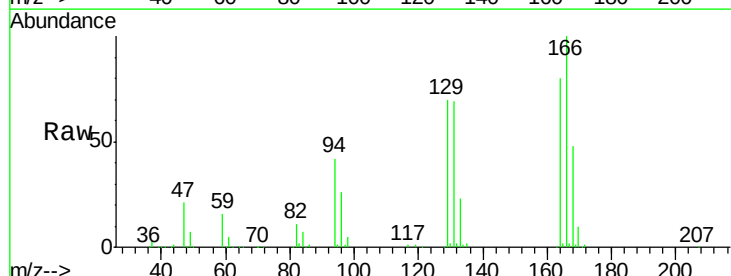
Instrument :
MSVOA_X
ClientSampled :
2-AVE-16

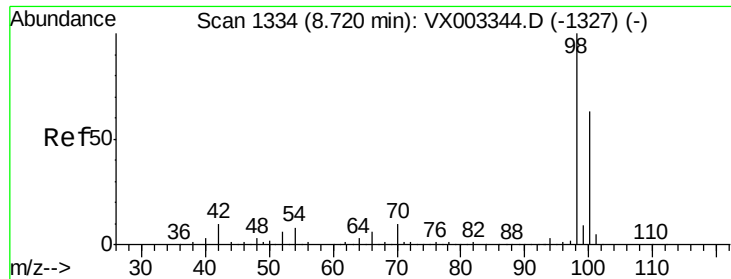
Tot Ion: 95 Resp: 112162
Ion Ratio Lower Upper
95 100
174 92.6 71.8 107.6
176 89.8 70.1 105.1



#61
Tetrachloroethene
Concen: 12.497 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003356.D
Acq: 12 Jul 2018 17:22

Tgt Ion: 164 Resp: 49814
Ion Ratio Lower Upper
164 100
166 125.5 102.4 153.6
129 88.3 70.1 105.1
131 87.1 69.1 103.7





#63

Toluene-d8

Concen: 30.352 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003356.D

Acq: 12 Jul 2018 17:22

Instrument :
MSVOA_X
ClientSampleId :
2-AVE-16

Tot Ion: 98 Resp: 349454

Ion Ratio Lower Upper

98 100

100 64.5 50.8 76.2

