

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032118\
 Data File : VX000375.D
 Acq On : 21 Mar 2018 10:50
 Operator : JC/MD
 Sample : VX0321WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBL01

Quant Time: Mar 22 05:25:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	107044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	191234	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	181431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	86142	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	75169	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	
35) Dibromofluoromethane	5.51	113	58344	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
50) Toluene-d8	8.72	98	235853	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	
62) 4-Bromofluorobenzene	11.15	95	80064	39.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.90%	

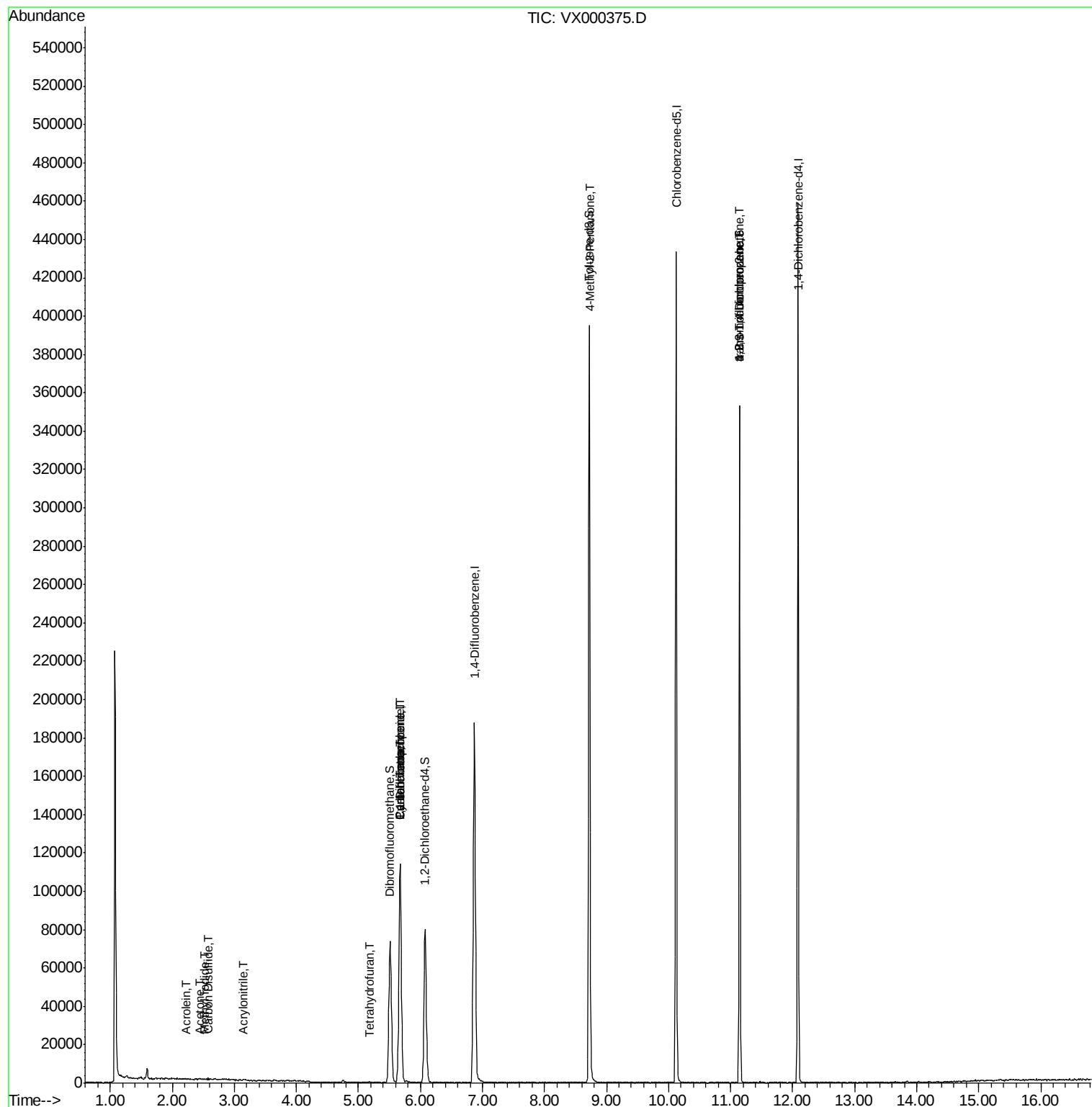
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.70	64	40	Below Cal	#	44
10) Methyl Iodide	2.52	142	357	4.53	ug/l #	72
13) Acrolein	2.23	56	26	14.74	ug/l #	13
14) Allyl chloride	2.73	41	204	Below Cal	#	57
15) Acrylonitrile	3.15	53	267	0.27	ug/l #	90
16) Acetone	2.45	43	372	0.32	ug/l #	44
17) Carbon Disulfide	2.57	76	740	0.25	ug/l #	80
29) Tetrahydrofuran	5.18	42	278	0.35	ug/l #	37
31) Cyclohexane	5.67	56	2540	1.44	ug/l #	27
36) 1,1-Dichloropropene	5.67	75	8274	4.62	ug/l #	52
38) Carbon Tetrachloride	5.67	117	10514	5.59	ug/l #	17
51) 4-Methyl-2-Pentanone	8.73	43	1392	0.49	ug/l #	1
76) 1,2,3-Trichloropropane	11.15	75	45452	24.55	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	45452	79.49	ug/l #	9

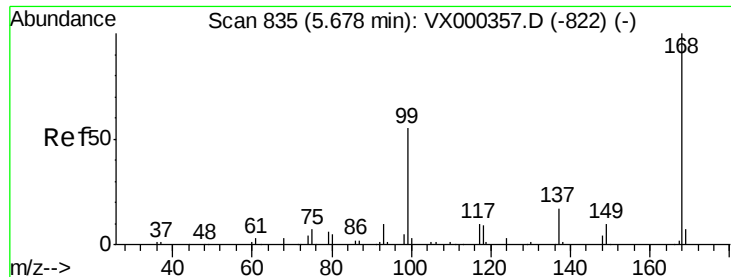
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000375.D

Acq: 21 Mar 2018 10:50

Instrument :

MSVOA_X

ClientSampleId :

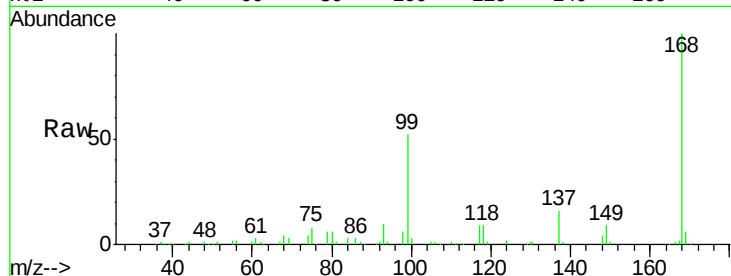
VX0321WBL01

Tgt Ion:168 Resp: 107044

Ion Ratio Lower Upper

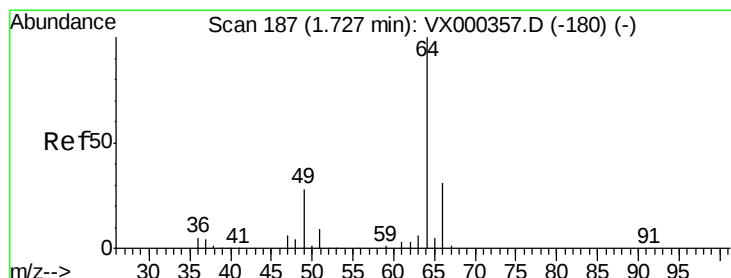
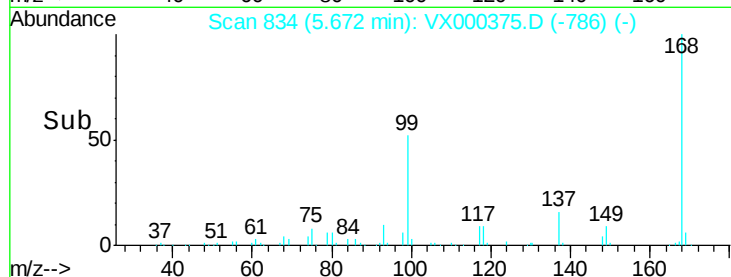
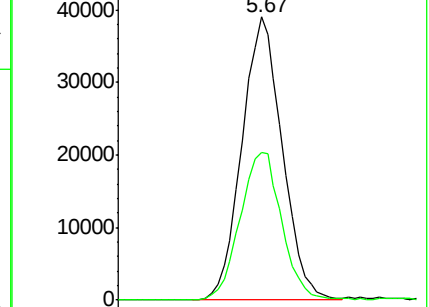
168 100

99 52.0 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 182

Delta R.T. -0.03 min

Lab File: VX000375.D

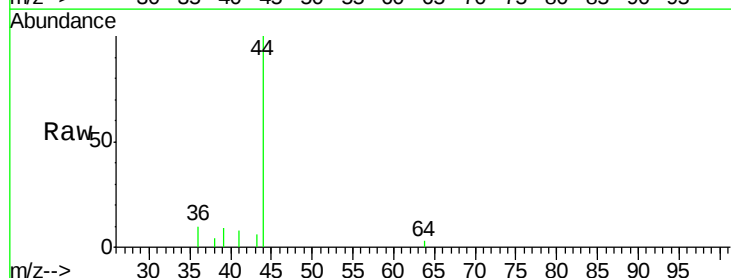
Acq: 21 Mar 2018 10:50

Tgt Ion: 64 Resp: 40

Ion Ratio Lower Upper

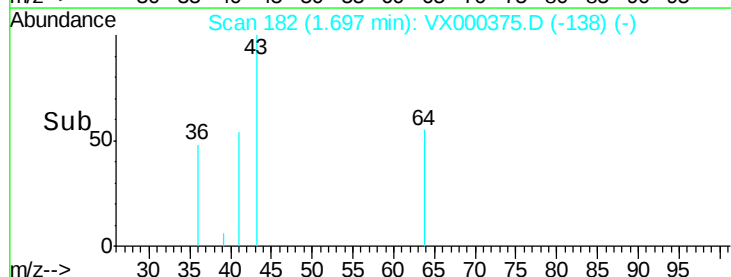
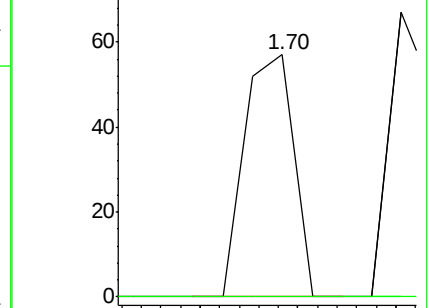
64 100

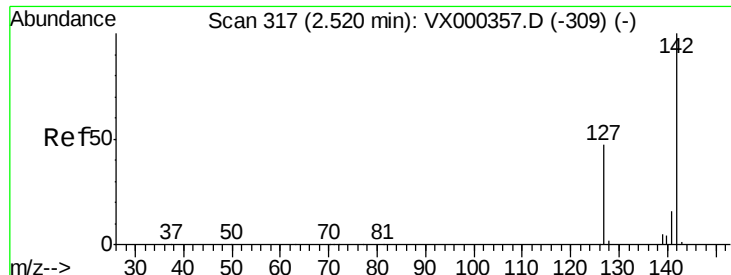
66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

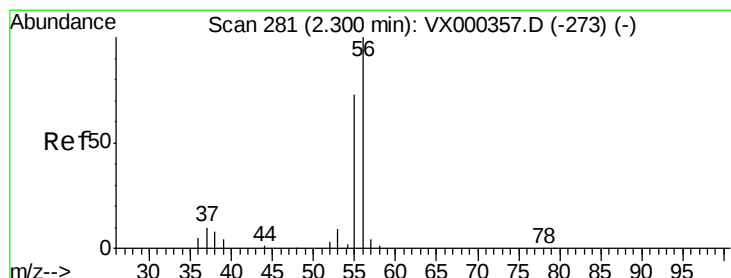
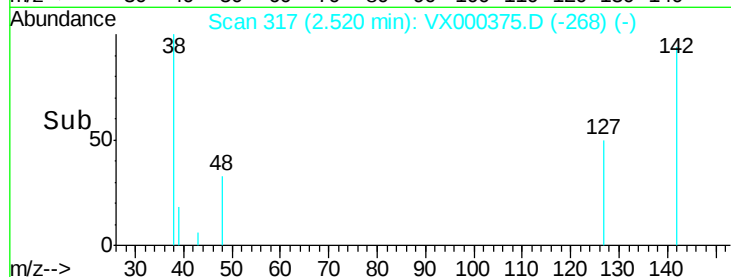
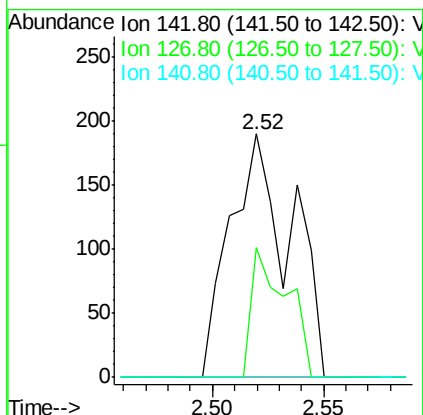
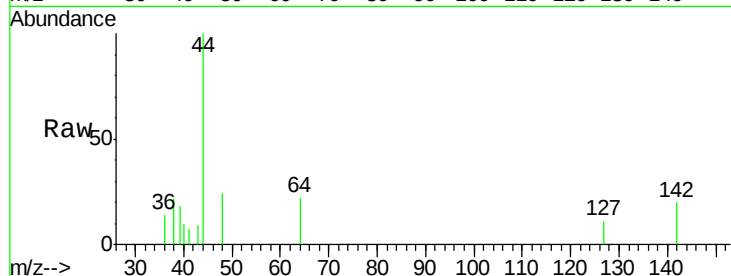




#10
Methyl Iodide
Concen: 4.53 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.00 min
Lab File: VX000375.D
Acq: 21 Mar 2018 10:50

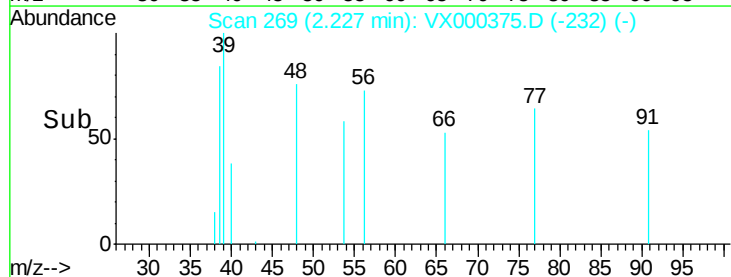
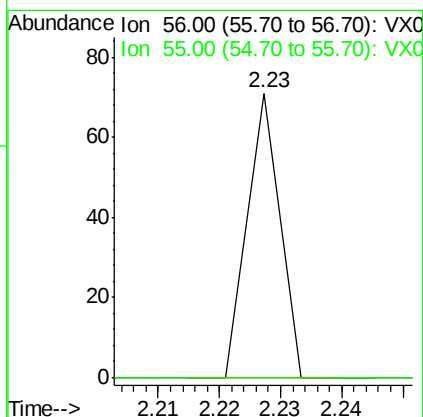
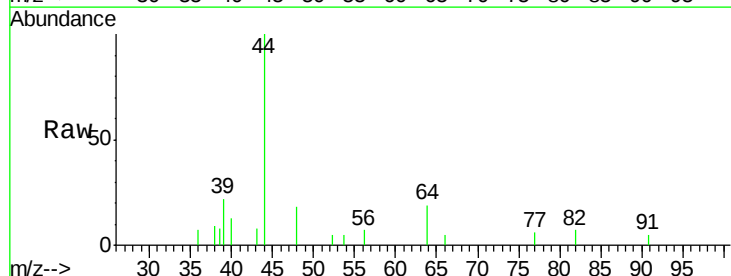
Instrument :
MSVOA_X
ClientSampleId :
VX0321WBL01

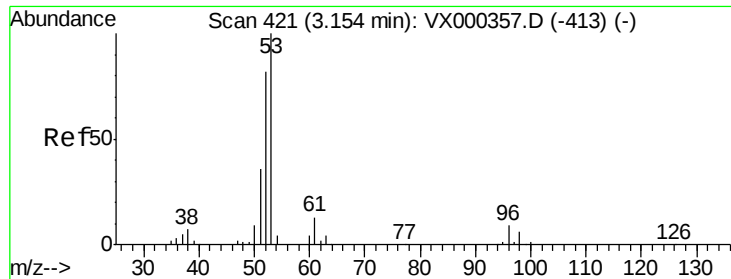
Tgt Ion: 142 Resp: 357
Ion Ratio Lower Upper
142 100
127 31.1 39.2 58.8#
141 0.0 11.7 17.5#



#13
Acrolein
Concen: 14.74 ug/l
RT: 2.23 min Scan# 269
Delta R.T. -0.07 min
Lab File: VX000375.D
Acq: 21 Mar 2018 10:50

Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 0.0 58.8 88.2#





#15

Acrylonitrile

Concen: 0.27 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX000375.D

Acq: 21 Mar 2018 10:50

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBL01

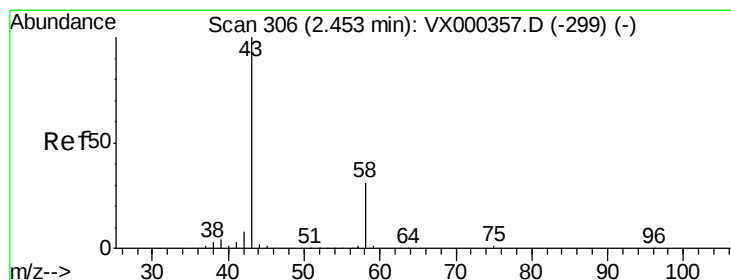
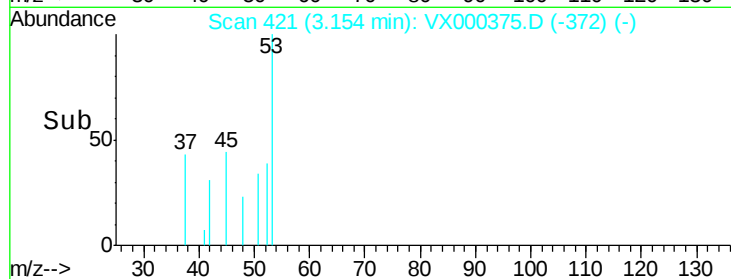
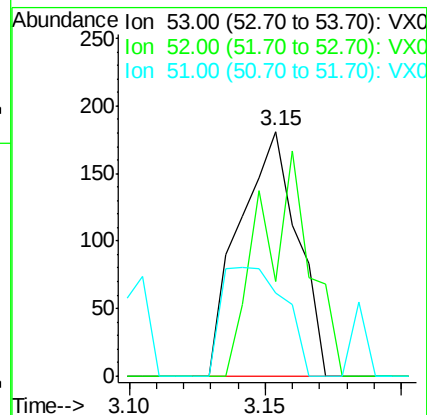
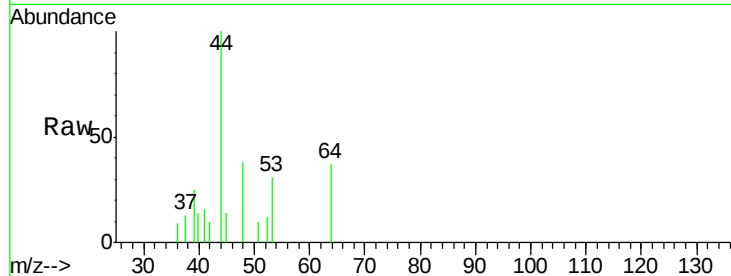
Tgt Ion: 53 Resp: 267

Ion Ratio Lower Upper

53 100

52 77.9 66.6 99.8

51 48.3 29.3 43.9#



#16

Acetone

Concen: 0.32 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000375.D

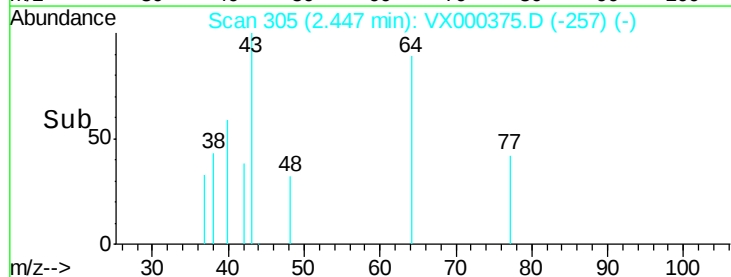
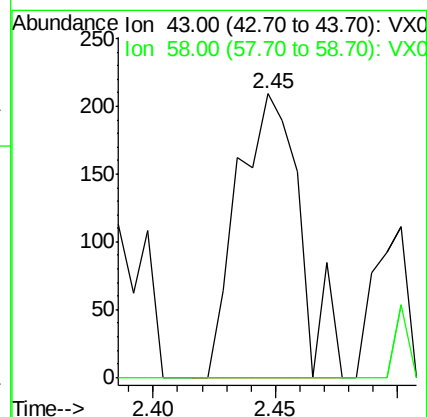
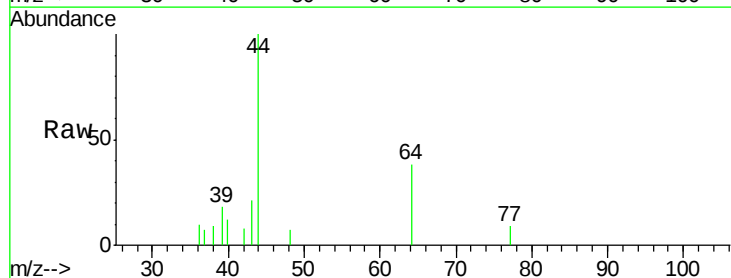
Acq: 21 Mar 2018 10:50

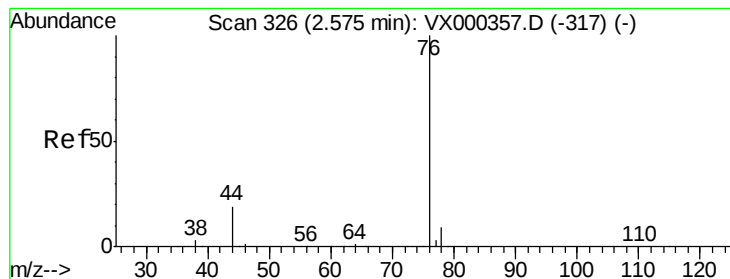
Tgt Ion: 43 Resp: 372

Ion Ratio Lower Upper

43 100

58 0.0 24.7 37.1#





#17

Carbon Disulfide

Concen: 0.25 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000375.D

Acq: 21 Mar 2018 10:50

Instrument :

MSVOA_X

ClientSampled :

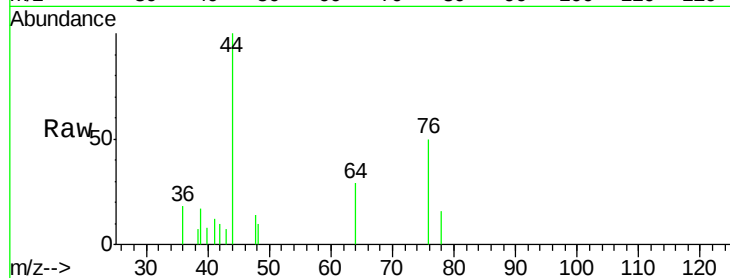
VX0321WBL01

Tgt Ion: 76 Resp: 740

Ion Ratio Lower Upper

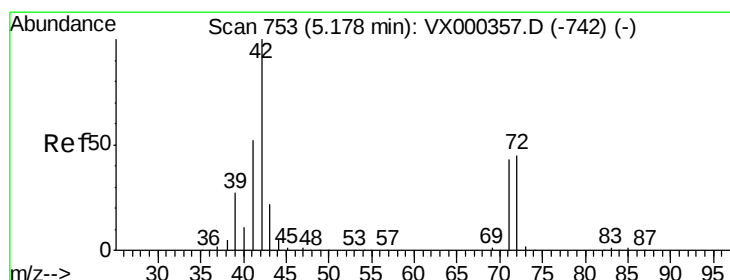
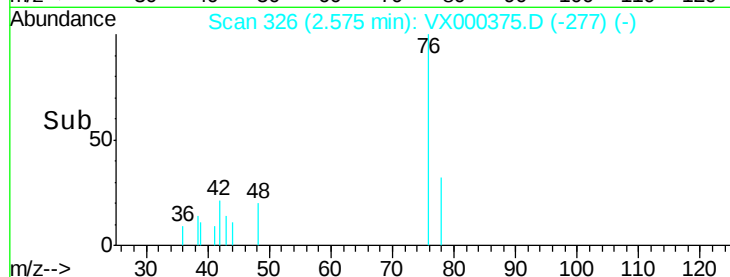
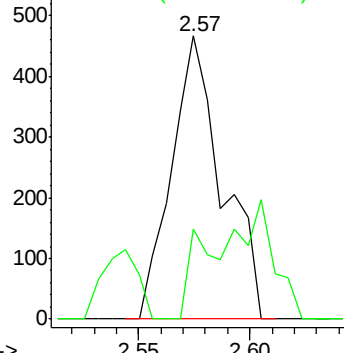
76 100

78 15.8 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#29

Tetrahydrofuran

Concen: 0.35 ug/l

RT: 5.18 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX000375.D

Acq: 21 Mar 2018 10:50

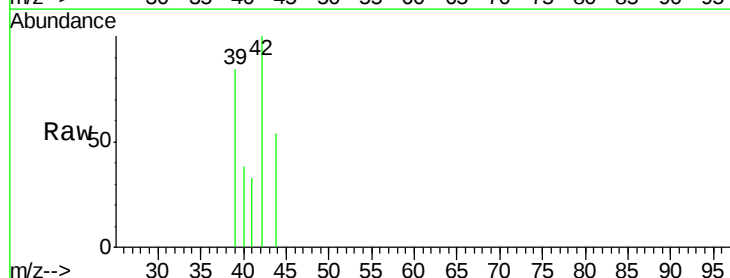
Tgt Ion: 42 Resp: 278

Ion Ratio Lower Upper

42 100

72 0.0 37.9 56.9#

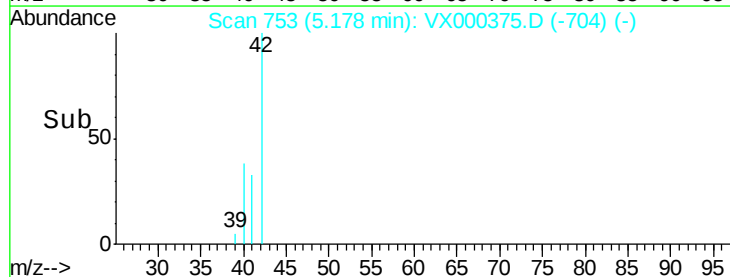
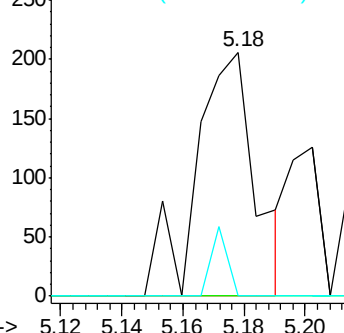
71 7.9 34.4 51.6#

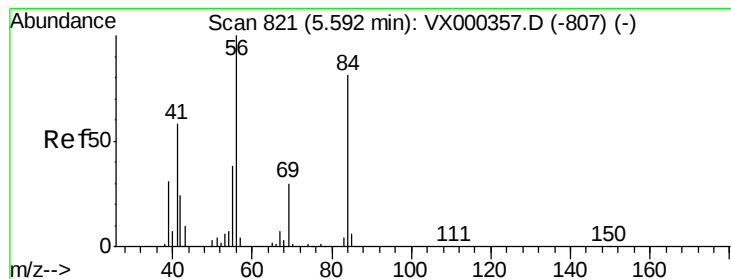


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.44 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.08 min

Lab File: VX000375.D

Acq: 21 Mar 2018 10:50

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBL01

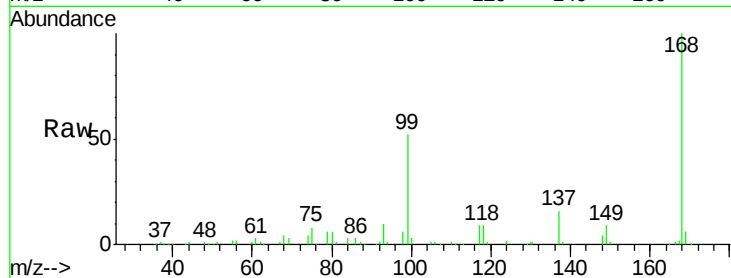
Tgt Ion: 56 Resp: 2540

Ion Ratio Lower Upper

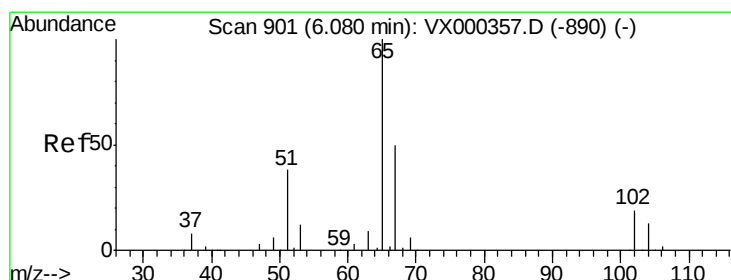
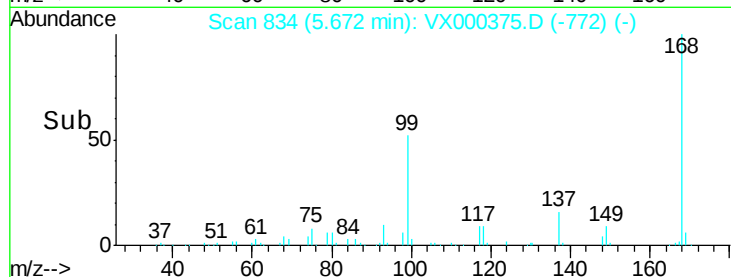
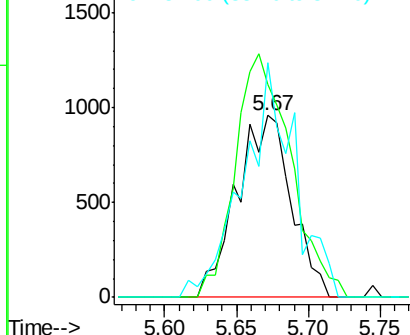
56 100

69 117.0 23.4 35.0#

84 129.2 71.0 106.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 53.80 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX000375.D

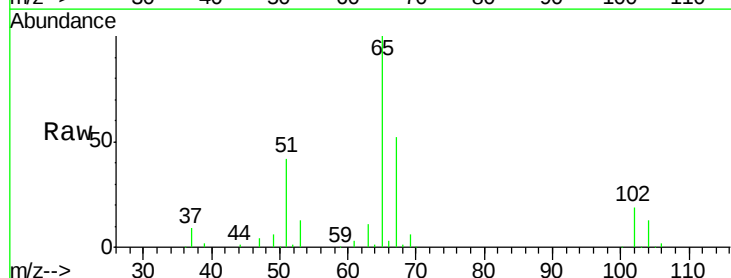
Acq: 21 Mar 2018 10:50

Tgt Ion: 65 Resp: 75169

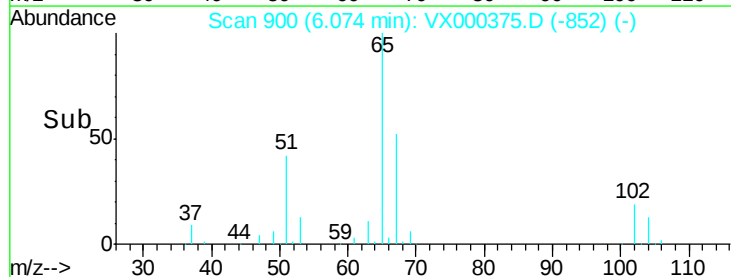
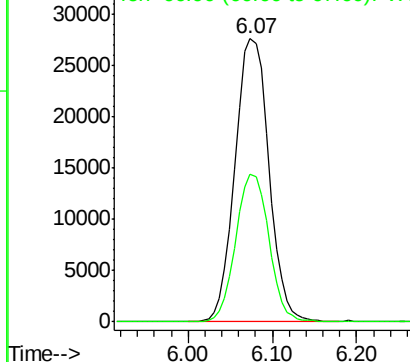
Ion Ratio Lower Upper

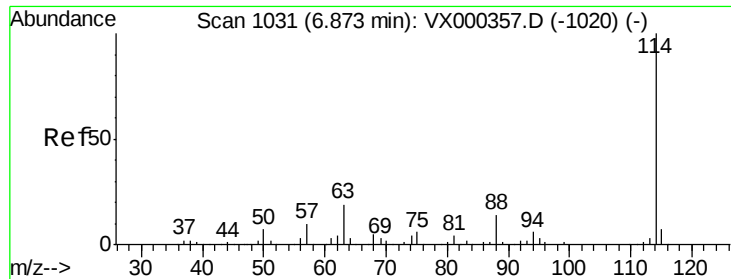
65 100

67 51.1 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VX000375.D

Acq: 21 Mar 2018 10:50

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBL01

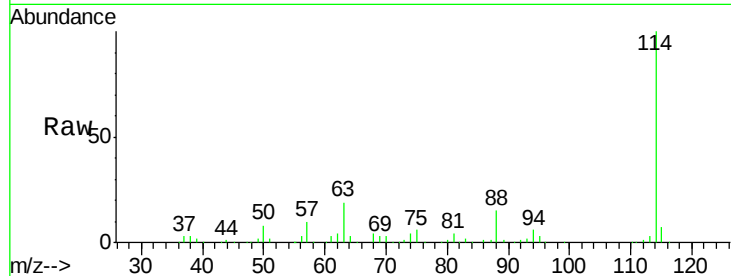
Tgt Ion:114 Resp: 191234

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.4

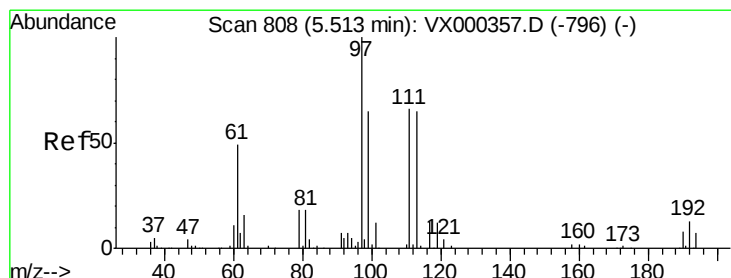
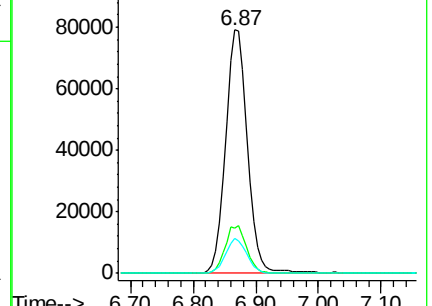
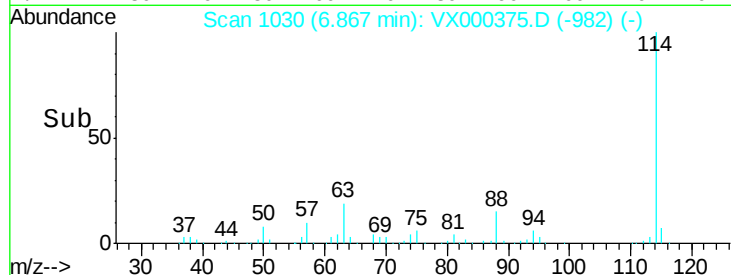
88 14.5 0.0 27.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.42 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000375.D

Acq: 21 Mar 2018 10:50

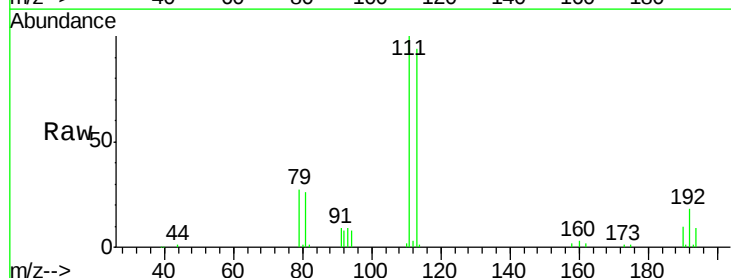
Tgt Ion:113 Resp: 58344

Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

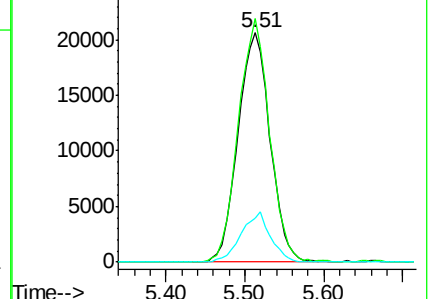
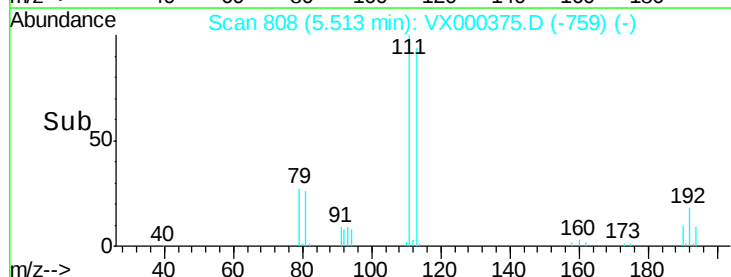
192 19.9 15.8 23.6

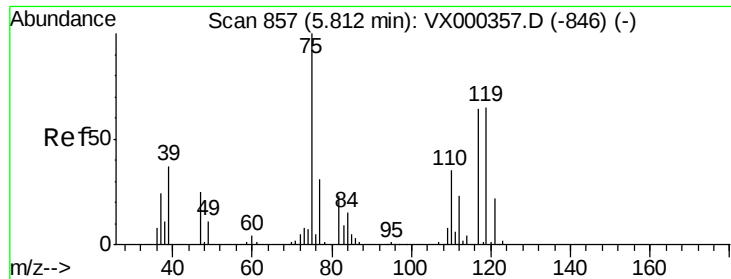


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

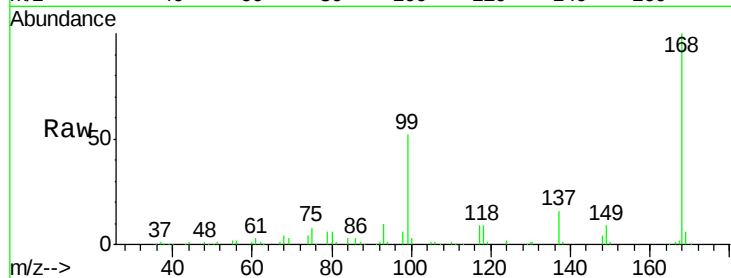




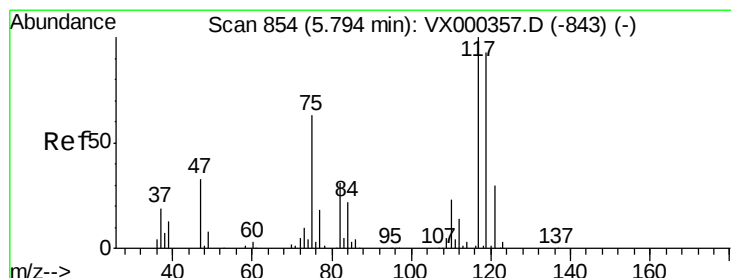
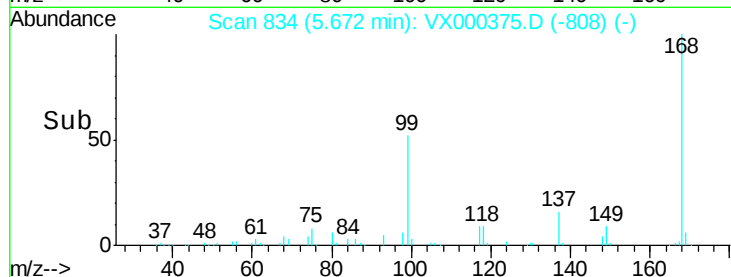
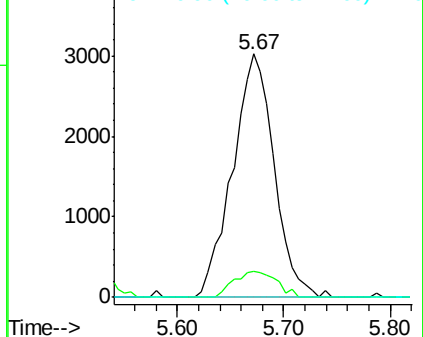
#36
 1,1-Dichloropropene
 Concen: 4.62 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.14 min
 Lab File: VX000375.D
 Acq: 21 Mar 2018 10:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBL01

Tgt Ion: 75 Resp: 8274
 Ion Ratio Lower Upper
 75 100
 110 11.1 17.9 53.7#
 77 0.0 24.0 36.0#

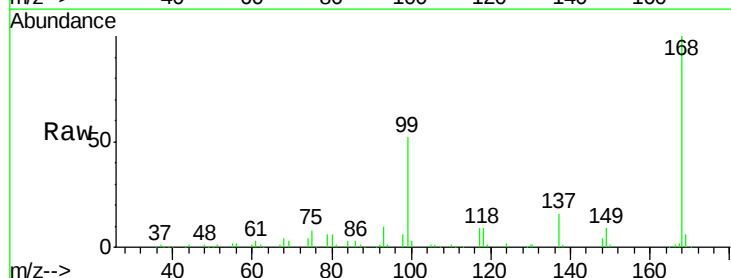


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

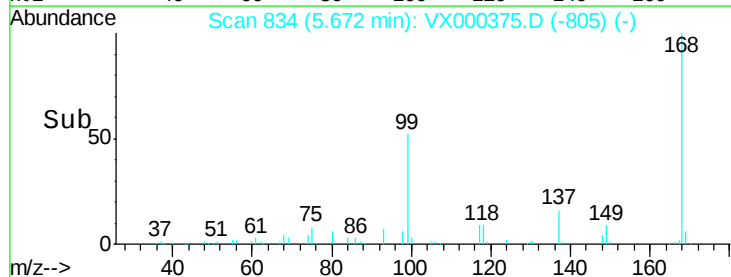
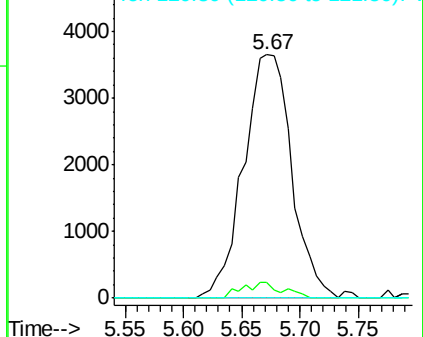


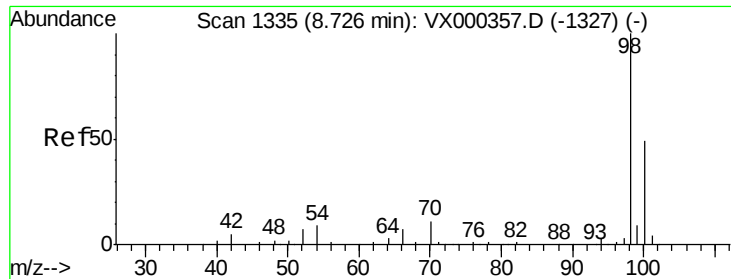
#38
 Carbon Tetrachloride
 Concen: 5.59 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000375.D
 Acq: 21 Mar 2018 10:50

Tgt Ion: 117 Resp: 10514
 Ion Ratio Lower Upper
 117 100
 119 6.3 77.4 116.2#
 121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

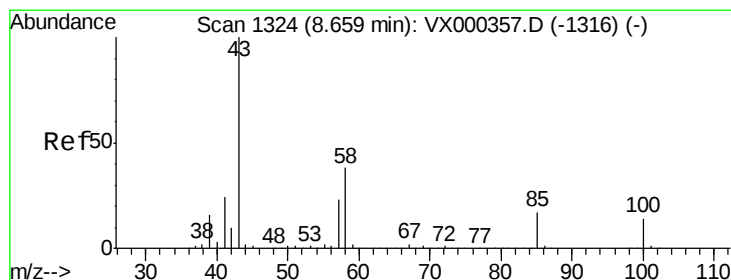
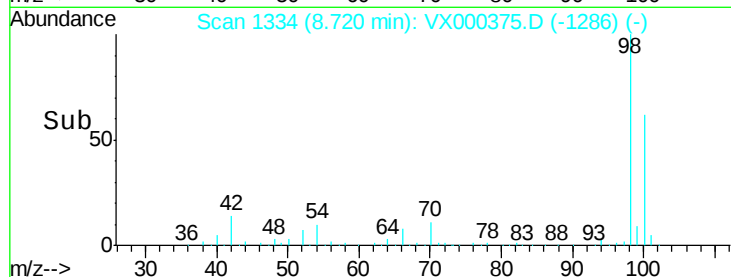
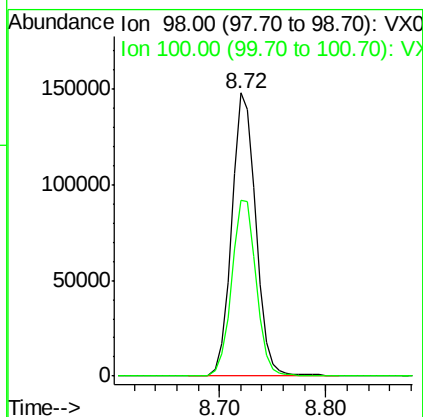
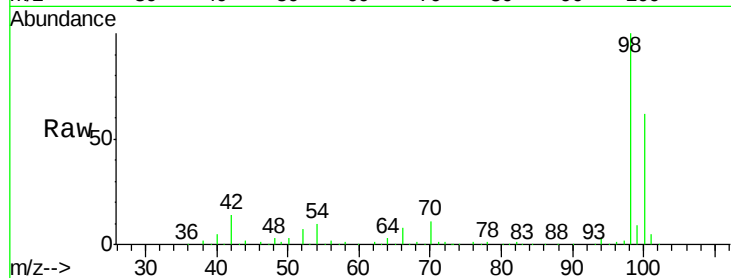




#50
Toluene-d8
Concen: 47.26 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.01 min
Lab File: VX000375.D
Acq: 21 Mar 2018 10:50

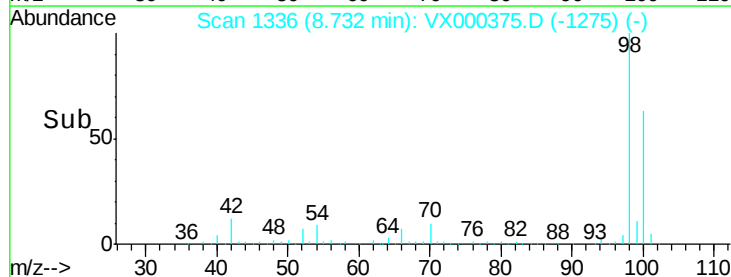
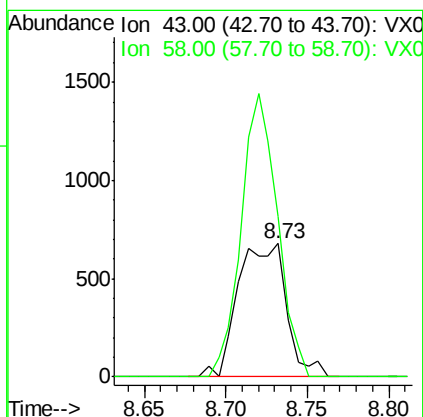
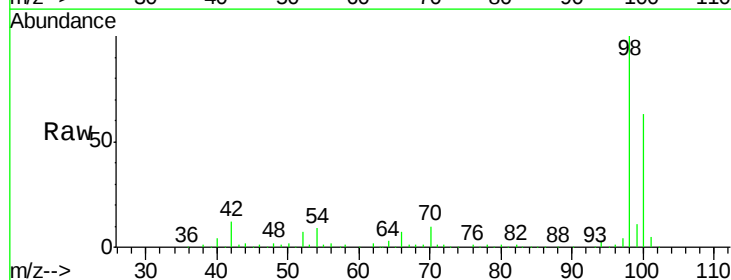
Instrument :
MSVOA_X
ClientSampleId :
VX0321WBL01

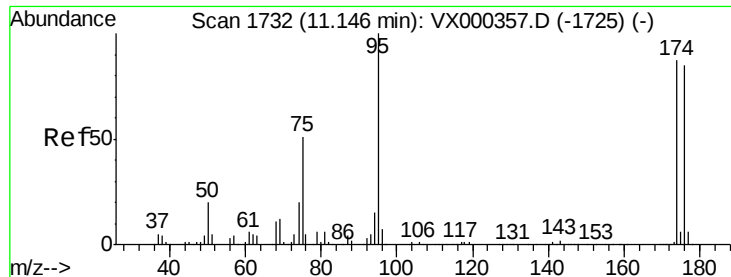
Tgt Ion: 98 Resp: 235853
Ion Ratio Lower Upper
98 100
100 63.2 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.49 ug/l
RT: 8.73 min Scan# 1336
Delta R.T. 0.07 min
Lab File: VX000375.D
Acq: 21 Mar 2018 10:50

Tgt Ion: 43 Resp: 1392
Ion Ratio Lower Upper
43 100
58 160.3 30.3 45.5#

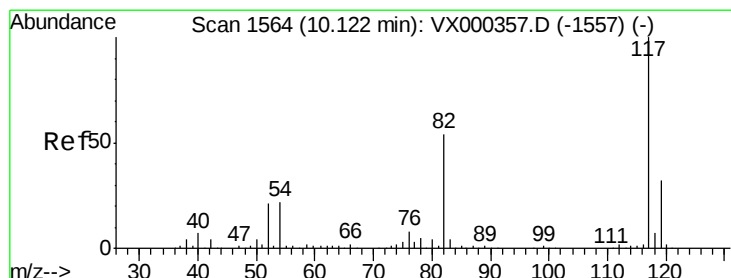
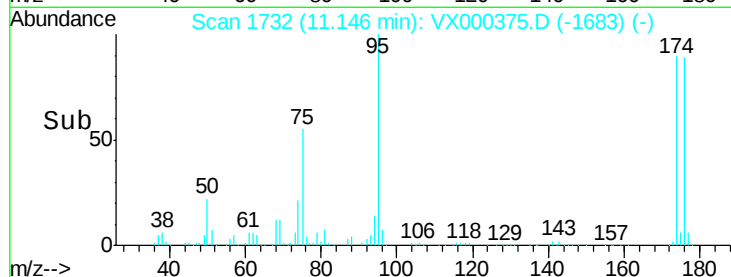
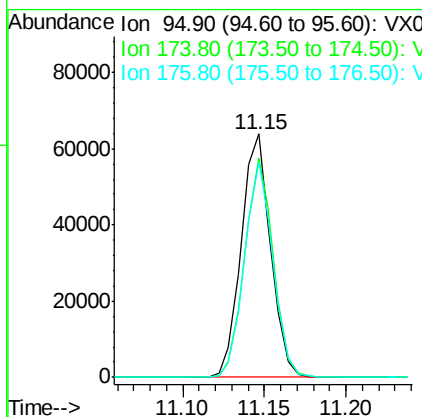
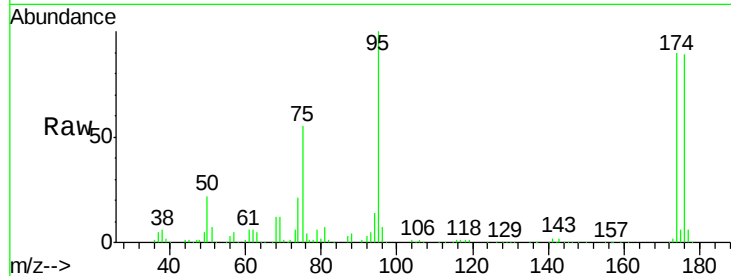




#62
4-Bromofluorobenzene
Concen: 39.45 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000375.D
Acq: 21 Mar 2018 10:50

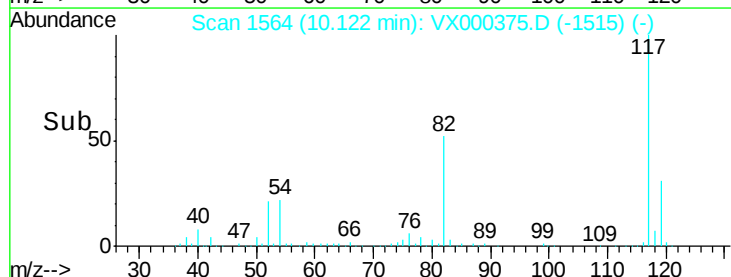
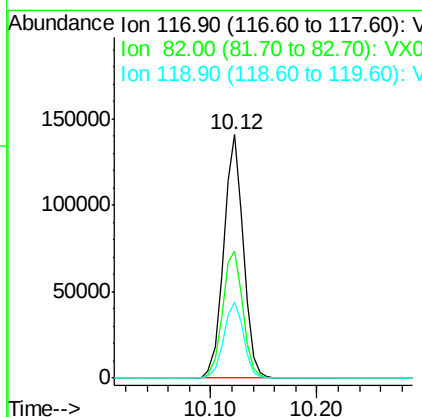
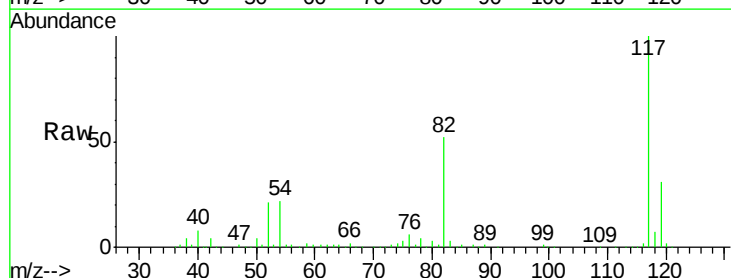
Instrument :
MSVOA_X
ClientSampleId :
VX0321WBL01

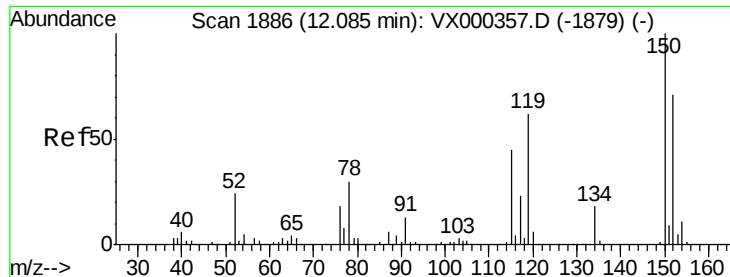
Tgt Ion: 95 Resp: 80064
Ion Ratio Lower Upper
95 100
174 88.2 0.0 173.6
176 85.5 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000375.D
Acq: 21 Mar 2018 10:50

Tgt Ion: 117 Resp: 181431
Ion Ratio Lower Upper
117 100
82 52.5 43.8 65.8
119 31.2 24.9 37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000375.D

Acq: 21 Mar 2018 10:50

Instrument :

MSVOA_X

ClientSampled :

VX0321WBL01

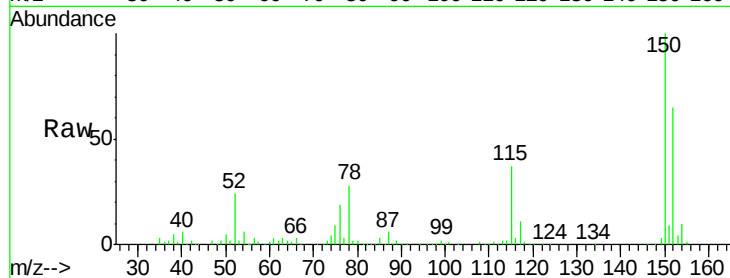
Tgt Ion:152 Resp: 86142

Ion Ratio Lower Upper

152 100

115 57.0 39.8 119.3

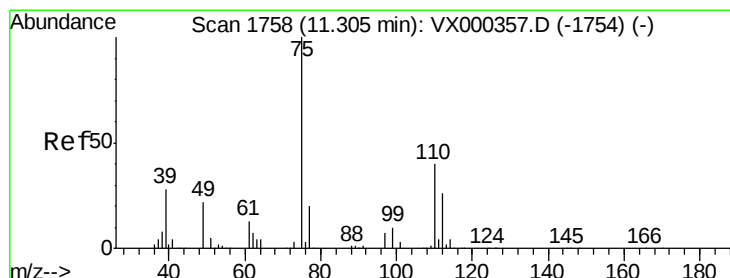
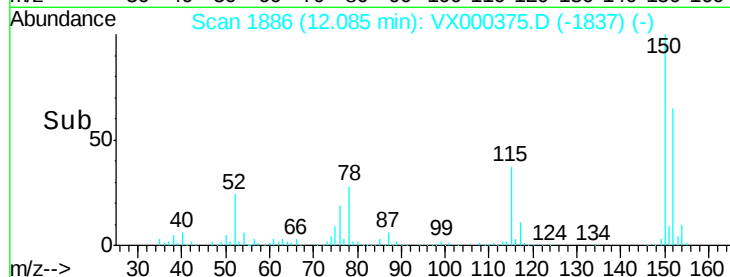
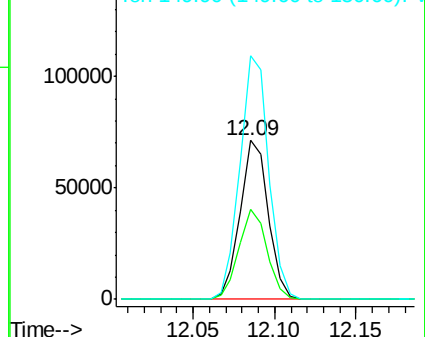
150 156.7 0.0 344.4



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



#76

1,2,3-Trichloropropane

Concen: 24.55 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000375.D

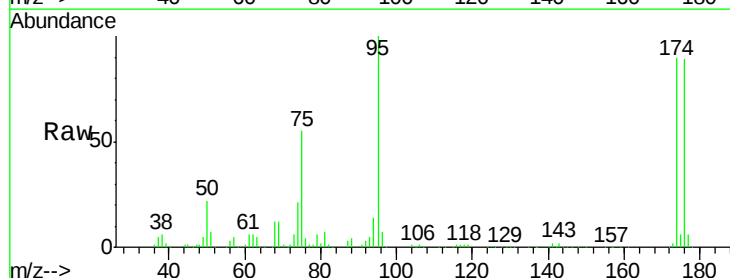
Acq: 21 Mar 2018 10:50

Tgt Ion: 75 Resp: 45452

Ion Ratio Lower Upper

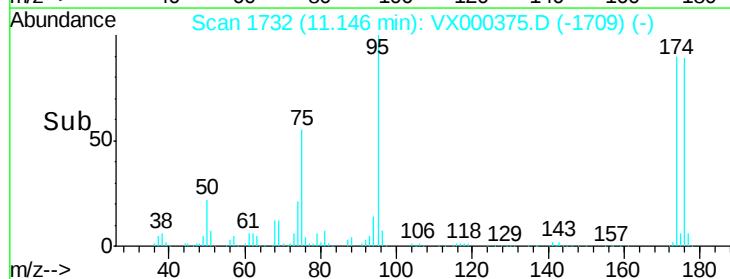
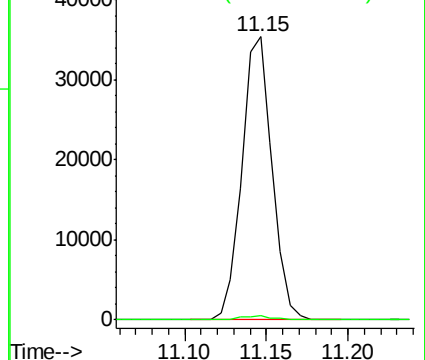
75 100

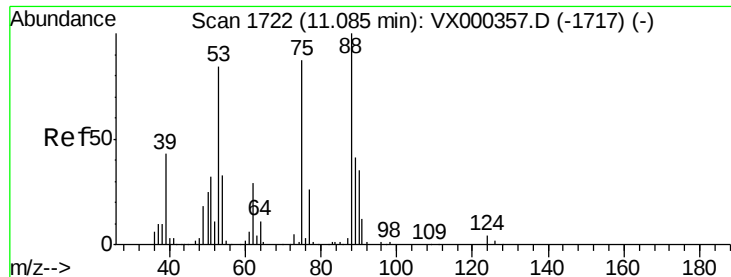
77 1.4 21.4 64.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 79.49 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000375.D

Acq: 21 Mar 2018 10:50

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBL01

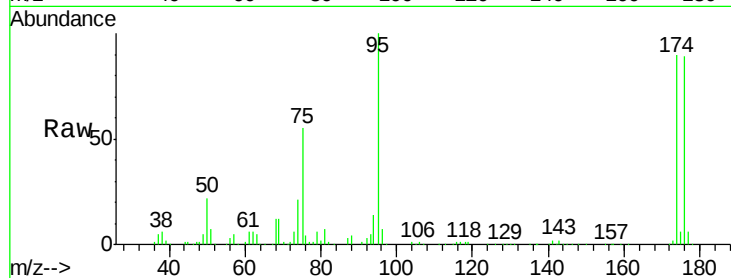
Tgt Ion: 75 Resp: 45452

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.0 39.4 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

