

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033118\
 Data File : VX000603.D
 Acq On : 31 Mar 2018 19:33
 Operator : JC/MD
 Sample : J2150-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 02 05:20:23 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	5.68	168	111958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	188615	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	189109	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	100239	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	75613	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
35) Dibromofluoromethane	5.51	113	59166	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
50) Toluene-d8	8.73	98	235240	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
62) 4-Bromofluorobenzene	11.15	95	83212	41.24	ug/l	0.00
Spiked Amount			Recovery	=	82.48%	

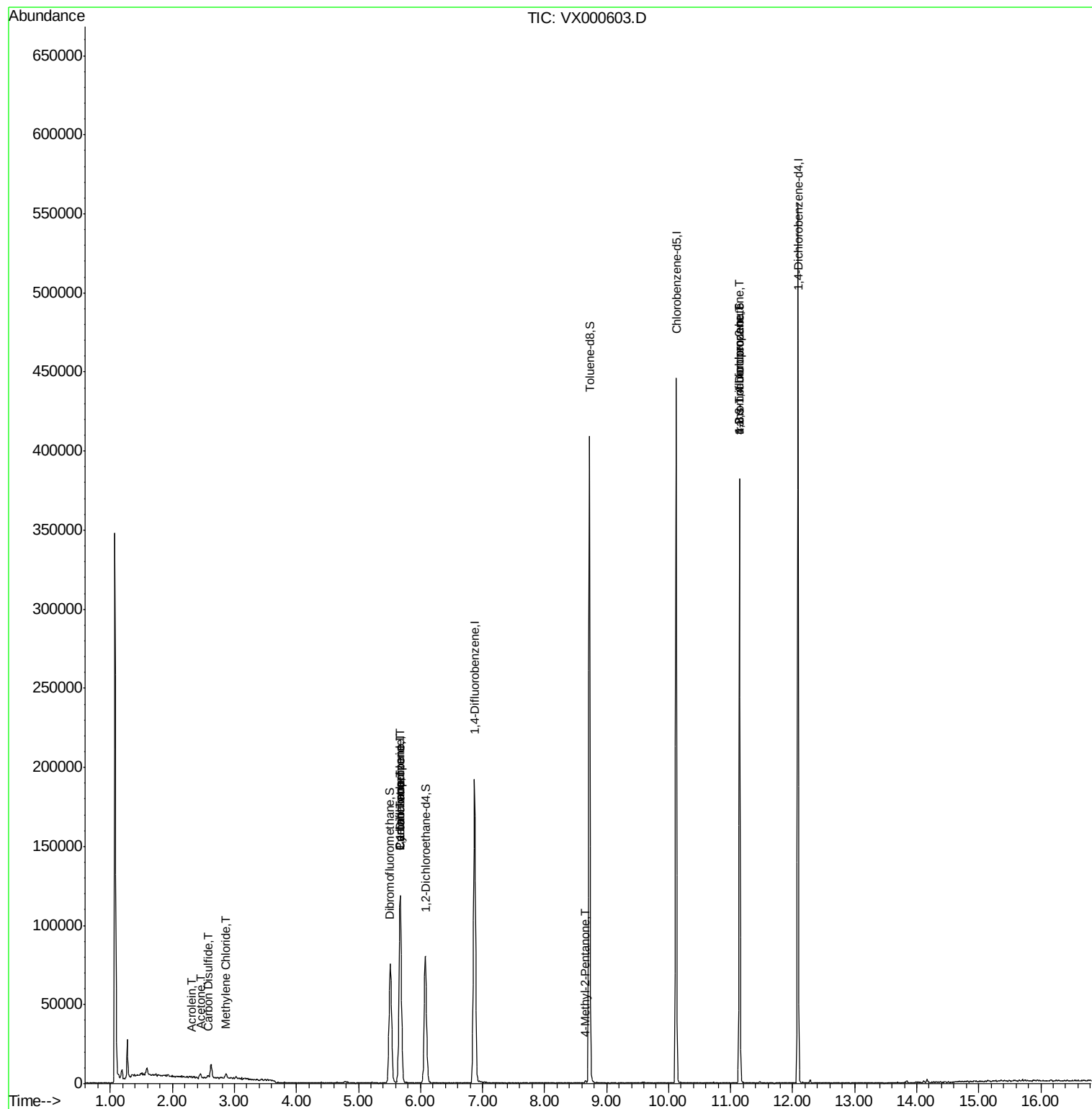
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.75	64	257	Below Cal	#	63
13) Acrolein	2.30	56	177	15.617	ug/l #	79
14) Allyl chloride	2.73	41	130	Below Cal	#	73
16) Acetone	2.45	43	2550	2.097	ug/l	93
17) Carbon Disulfide	2.58	76	1087	0.352	ug/l #	79
20) Methylene Chloride	2.86	84	1062	0.756	ug/l #	61
31) Cyclohexane	5.67	56	2830	1.535	ug/l #	14
36) 1,1-Dichloropropene	5.67	75	8778	4.968	ug/l #	50
38) Carbon Tetrachloride	5.67	117	11240	6.064	ug/l #	17
51) 4-Methyl-2-Pentanone	8.65	43	1143	0.411	ug/l #	77
74) N-amyl acetate	6.66	43	94	Below Cal	#	59
76) 1,2,3-Trichloropropane	11.14	75	48476	22.502	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.14	75	48476	72.854	ug/l #	9

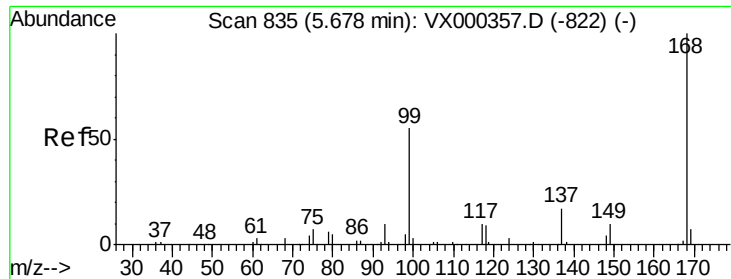
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000603.D

Acq: 31 Mar 2018 19:33

Instrument :

MSVOA_X

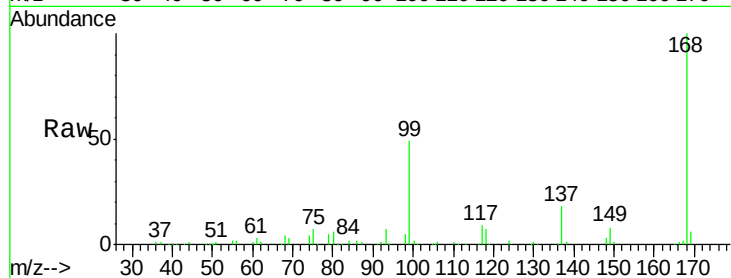
ClientSampleId :

Tot Ion:168 Resp: 111958

Ion Ratio Lower Upper

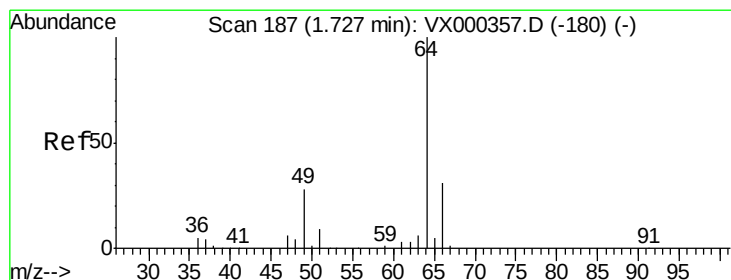
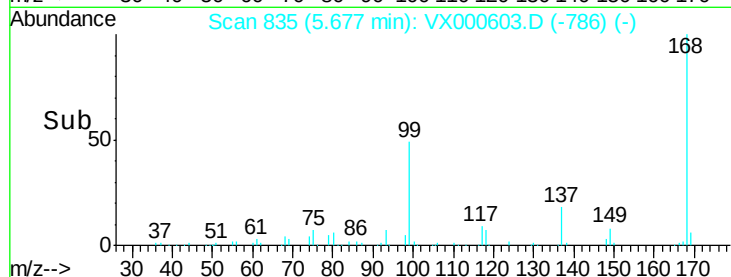
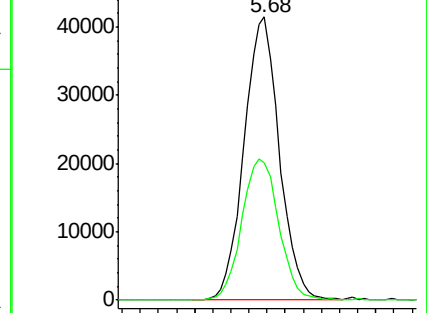
168 100

99 48.5 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: 1.75 min Scan# 191

Delta R.T. 0.02 min

Lab File: VX000603.D

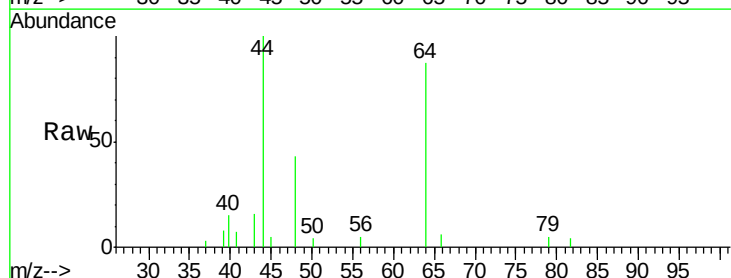
Acq: 31 Mar 2018 19:33

Tgt Ion: 64 Resp: 257

Ion Ratio Lower Upper

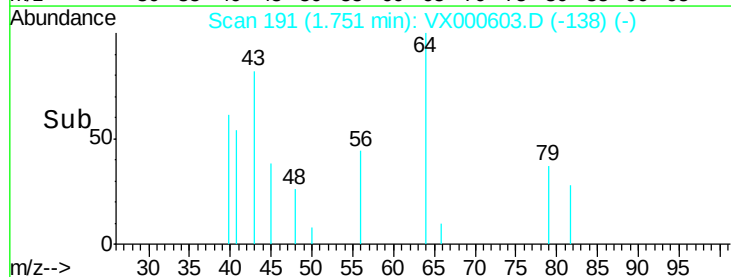
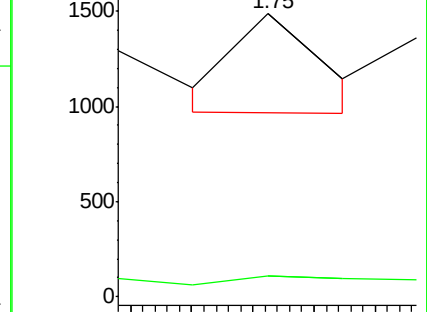
64 100

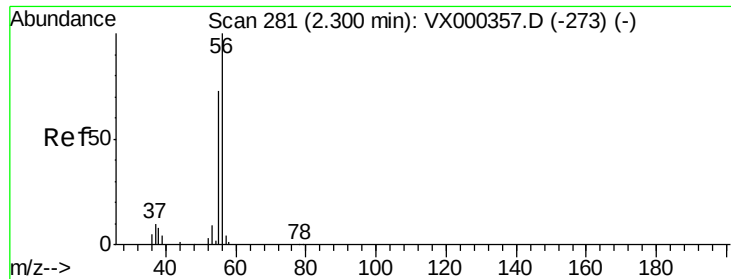
66 10.5 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#13

Acrolein

Concen: 15.617 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX000603.D

Acq: 31 Mar 2018 19:33

Instrument :

MSVOA_X

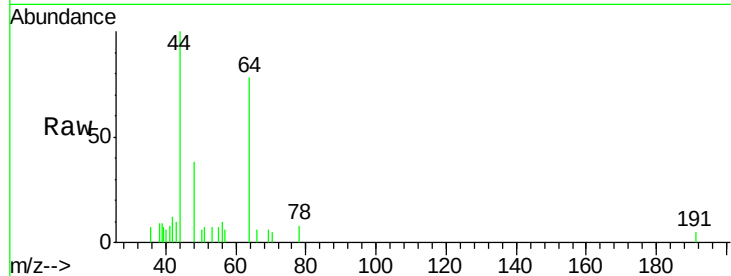
ClientSampled :

Tot Ion: 56 Resp: 177

Ion Ratio Lower Upper

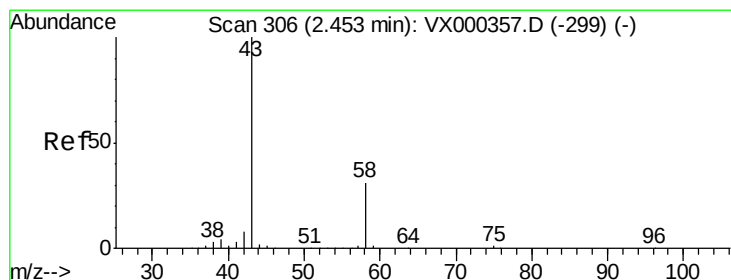
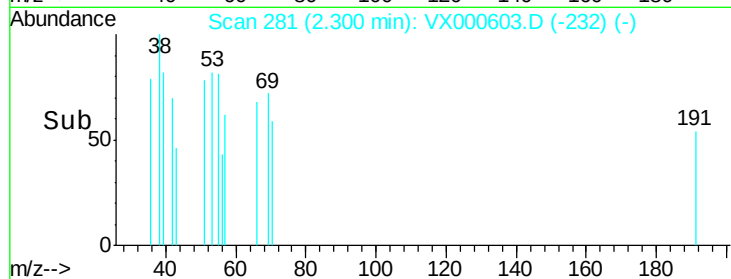
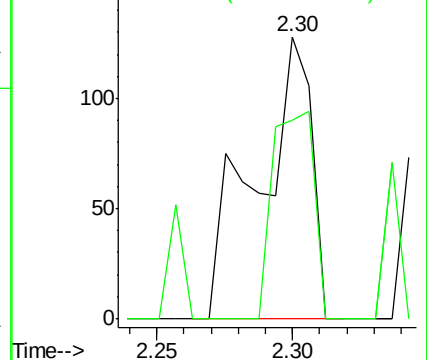
56 100

55 55.9 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.097 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000603.D

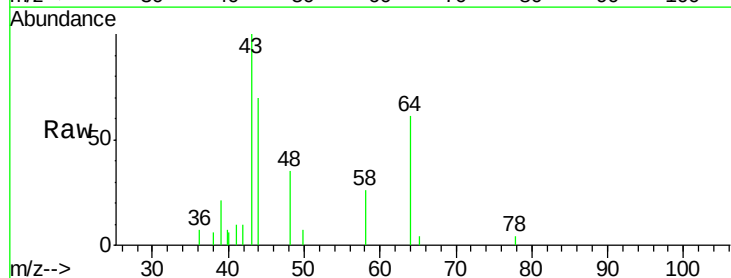
Acq: 31 Mar 2018 19:33

Tgt Ion: 43 Resp: 2550

Ion Ratio Lower Upper

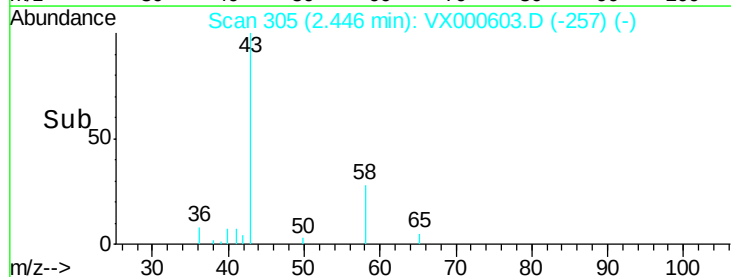
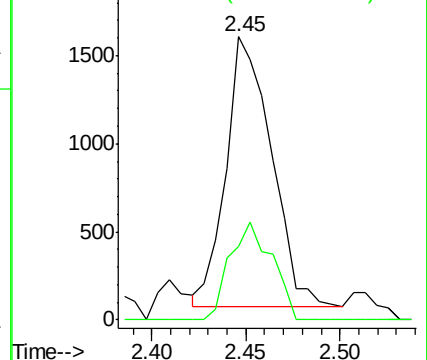
43 100

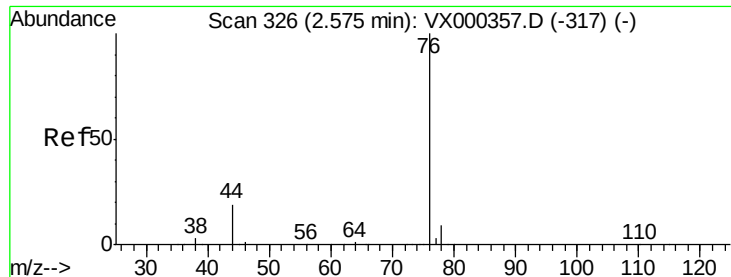
58 27.2 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.352 ug/l

RT: 2.58 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX000603.D

Acq: 31 Mar 2018 19:33

Instrument :

MSVOA_X

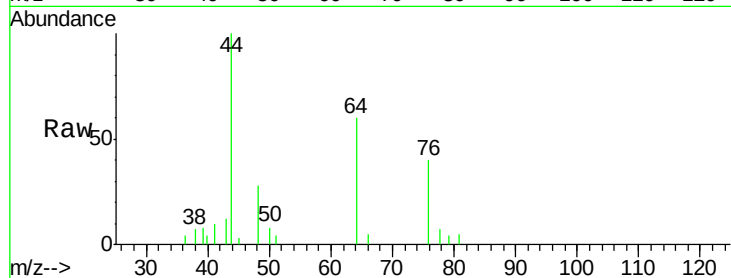
ClientSampleId :

Tot Ion: 76 Resp: 1087

Ion Ratio Lower Upper

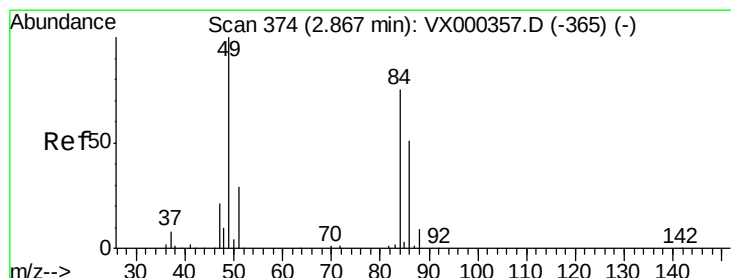
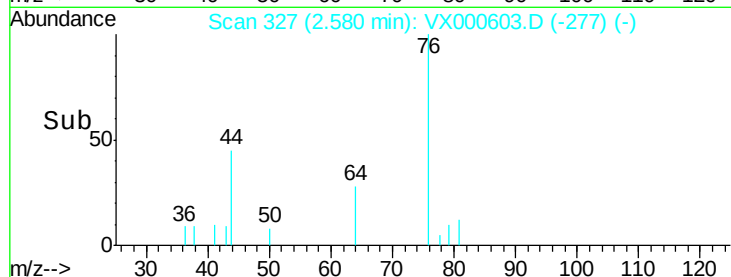
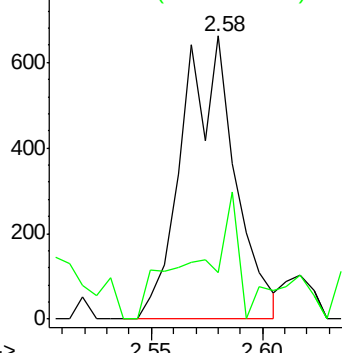
76 100

78 16.3 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.756 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.01 min

Lab File: VX000603.D

Acq: 31 Mar 2018 19:33

Tgt Ion: 84 Resp: 1062

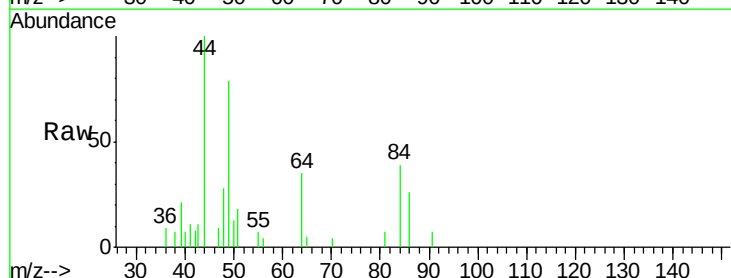
Ion Ratio Lower Upper

84 100

49 204.1 100.6 151.0#

51 45.5 31.6 47.4

86 66.0 52.6 78.8

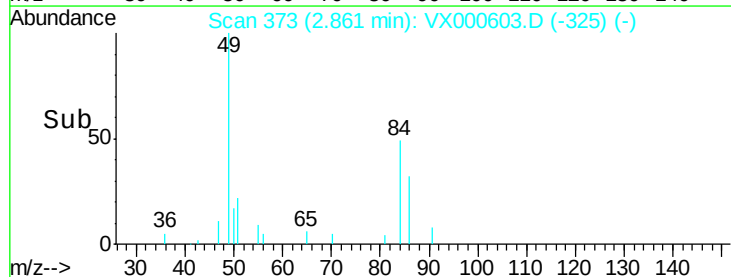
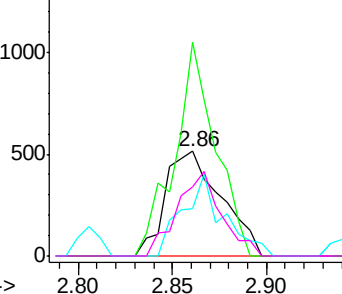


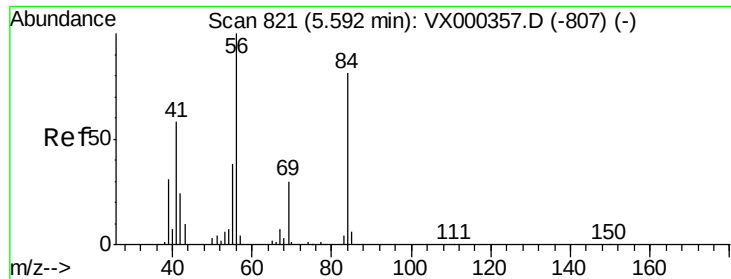
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

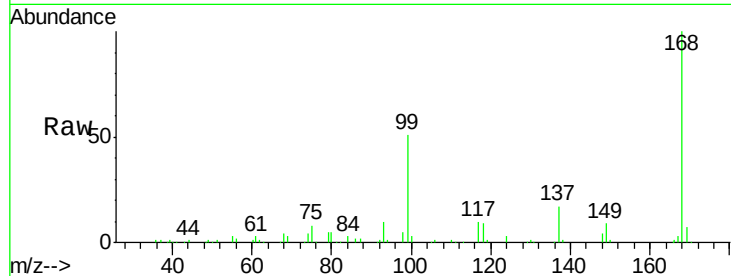




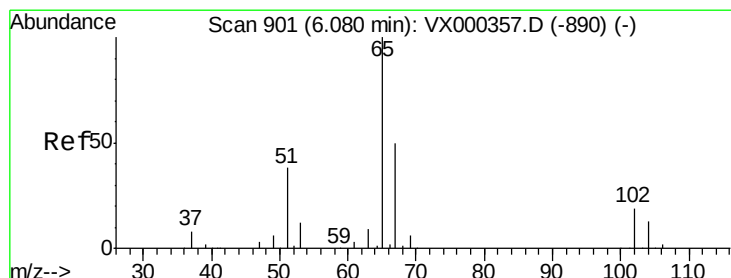
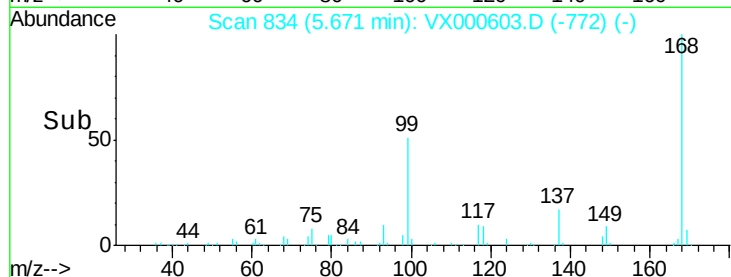
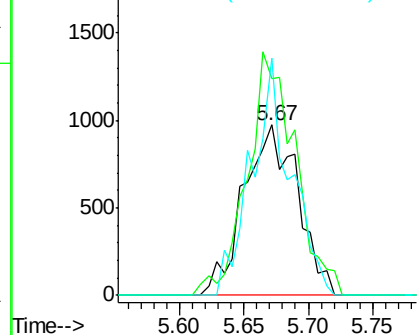
#31
Cyclohexane
Concen: 1.535 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.08 min
Lab File: VX000603.D
Acq: 31 Mar 2018 19:33

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 2830
Ion Ratio Lower Upper
56 100
69 127.2 23.4 35.0#
84 139.3 71.0 106.4#

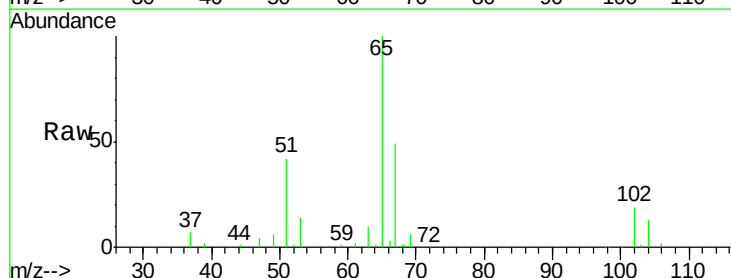


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

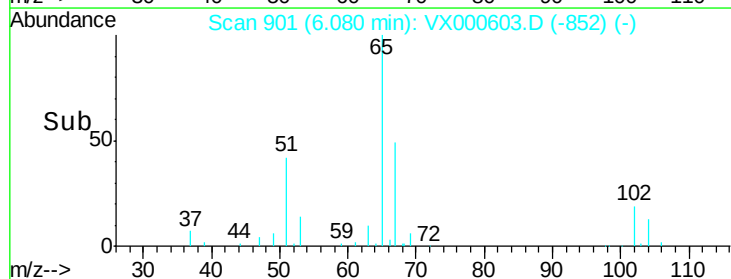
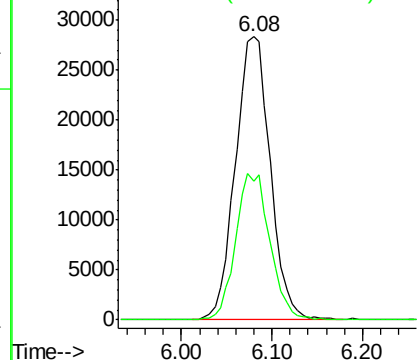


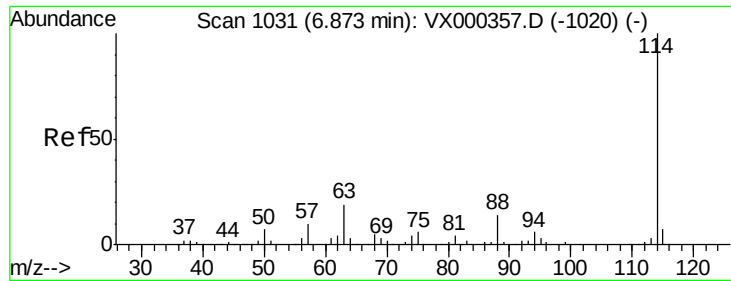
#33
1,2-Dichloroethane-d4
Concen: 51.739 ug/l
RT: 6.08 min Scan# 901
Delta R.T. -0.00 min
Lab File: VX000603.D
Acq: 31 Mar 2018 19:33

Tgt Ion: 65 Resp: 75613
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.2



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

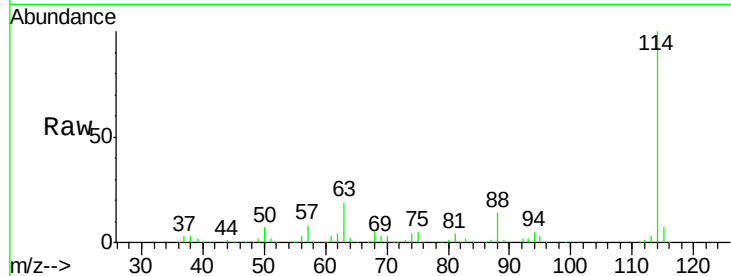




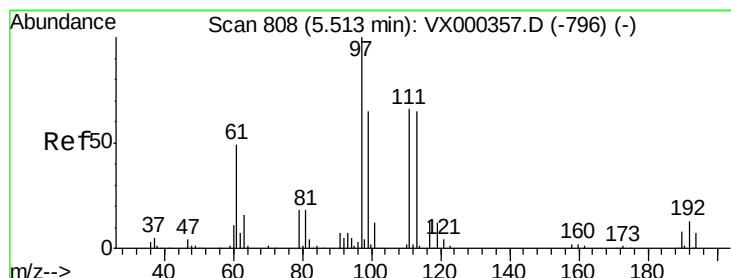
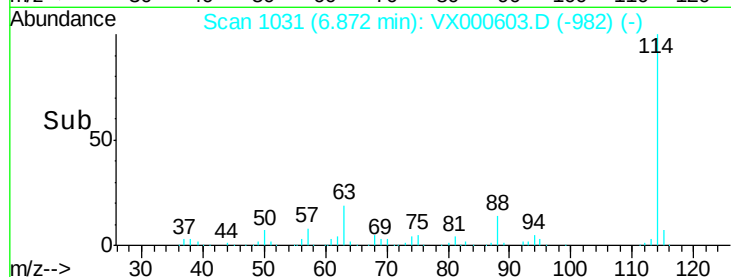
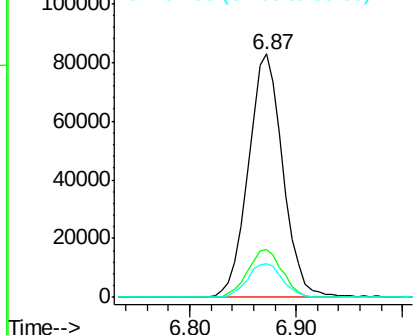
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VX000603.D
Acq: 31 Mar 2018 19:33

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 188615
Ion Ratio Lower Upper
114 100
63 19.5 0.0 38.4
88 14.1 0.0 27.0

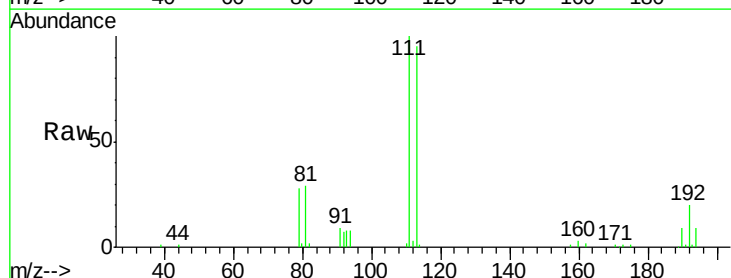


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

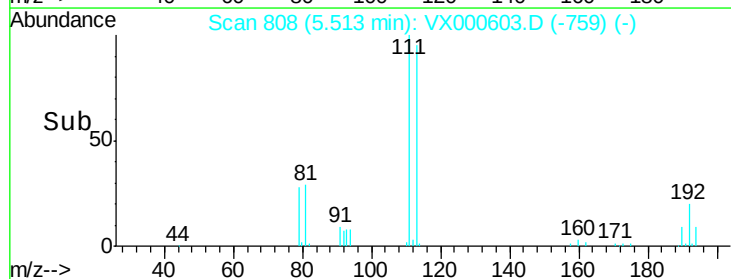
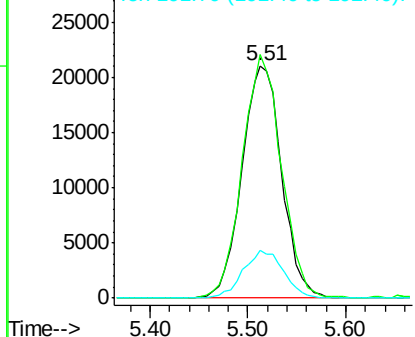


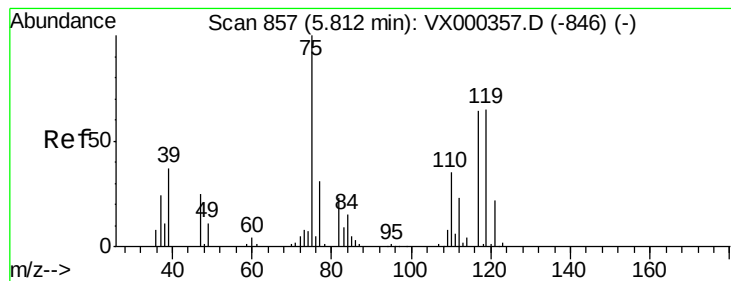
#35
Dibromofluoromethane
Concen: 49.785 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.00 min
Lab File: VX000603.D
Acq: 31 Mar 2018 19:33

Tgt Ion:113 Resp: 59166
Ion Ratio Lower Upper
113 100
111 103.5 82.4 123.6
192 20.8 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: 4.968 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000603.D

Acq: 31 Mar 2018 19:33

Instrument :

MSVOA_X

ClientSampleId :

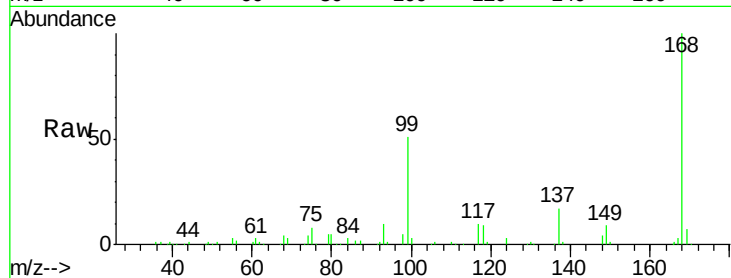
Tot Ion: 75 Resp: 8778

Ion Ratio Lower Upper

75 100

110 9.1 17.9 53.7#

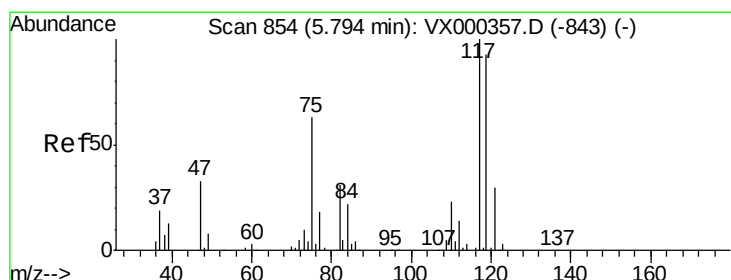
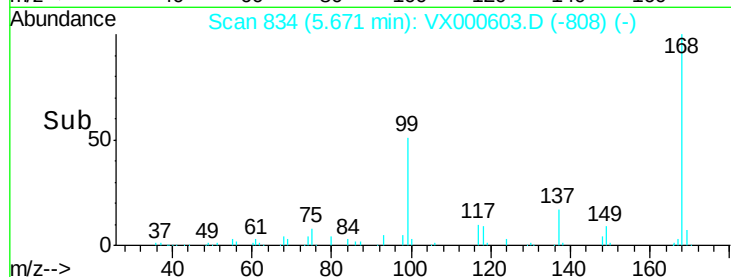
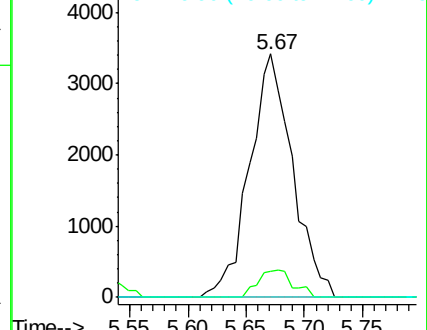
77 0.0 24.0 36.0#



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: 6.064 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX000603.D

Acq: 31 Mar 2018 19:33

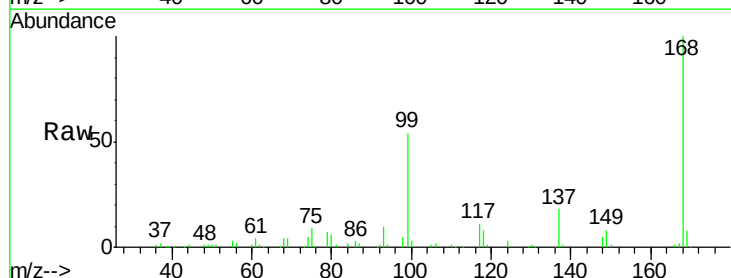
Tgt Ion: 117 Resp: 11240

Ion Ratio Lower Upper

117 100

119 6.8 77.4 116.2#

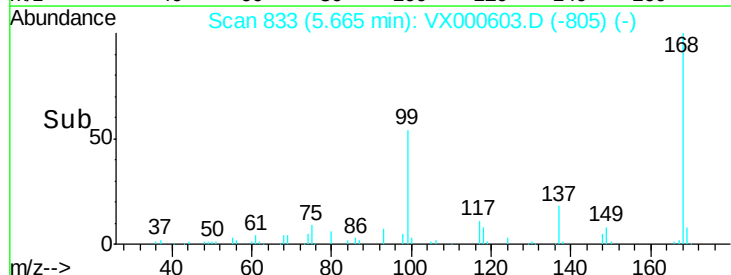
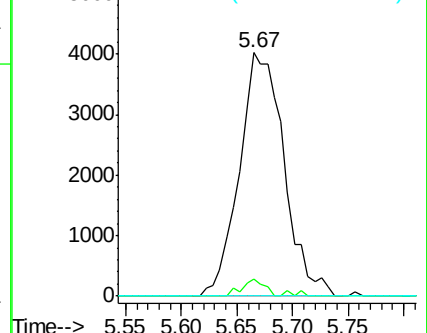
121 0.0 24.8 37.2#

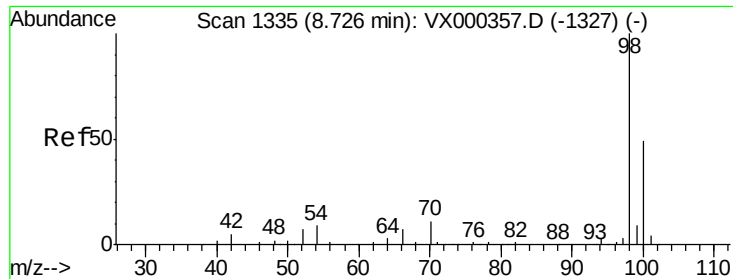


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 47.793 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000603.D

Acq: 31 Mar 2018 19:33

Instrument :

MSVOA_X

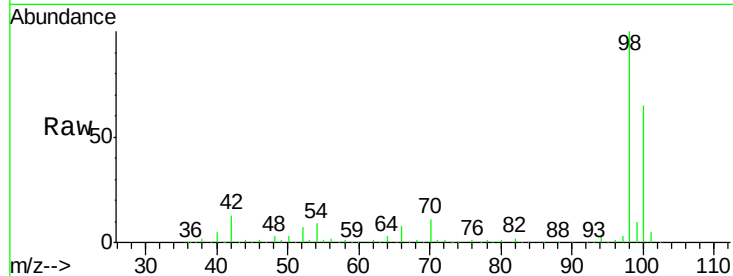
ClientSampled :

Tot Ion: 98 Resp: 235240

Ion Ratio Lower Upper

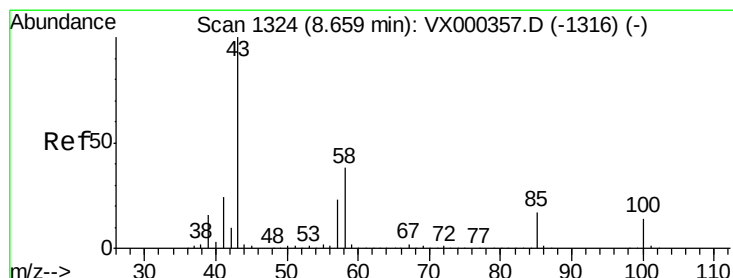
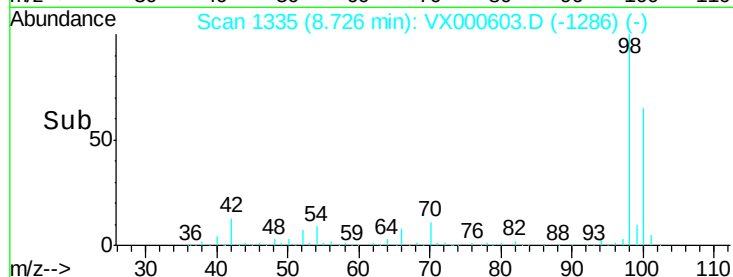
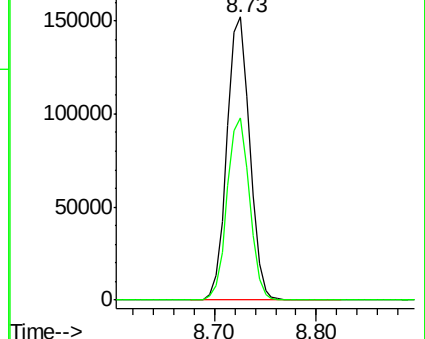
98 100

100 63.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 0.411 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX000603.D

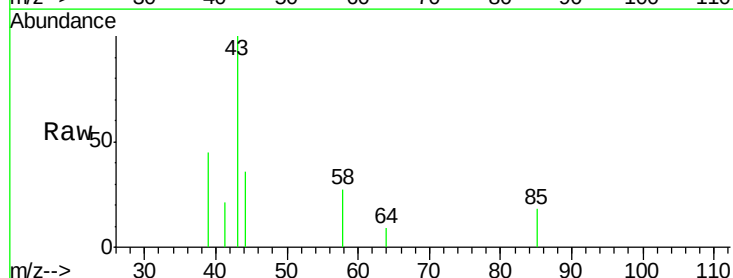
Acq: 31 Mar 2018 19:33

Tgt Ion: 43 Resp: 1143

Ion Ratio Lower Upper

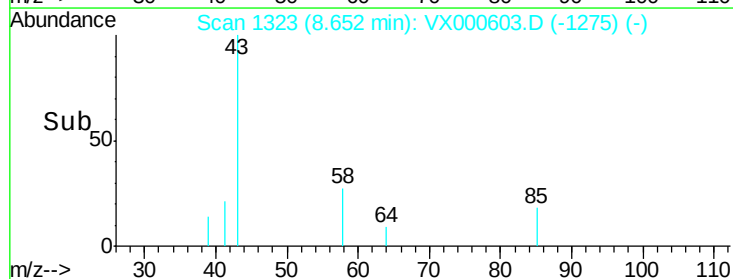
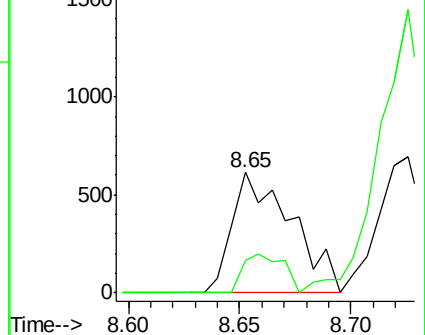
43 100

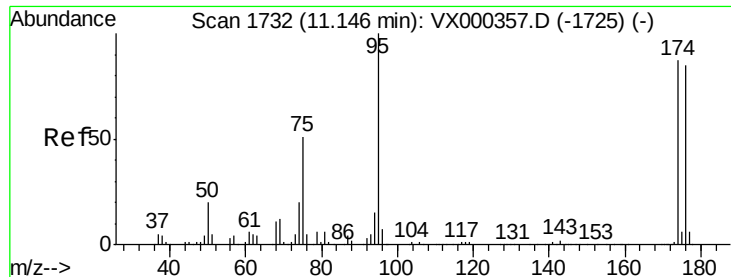
58 23.9 30.3 45.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

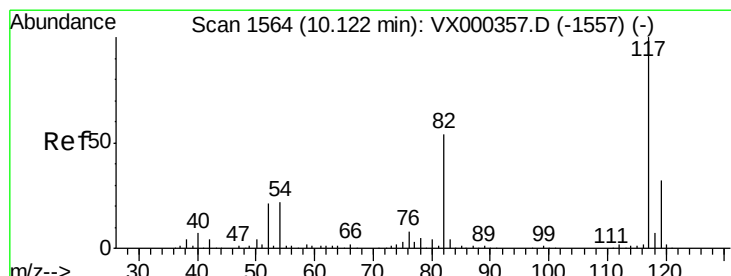
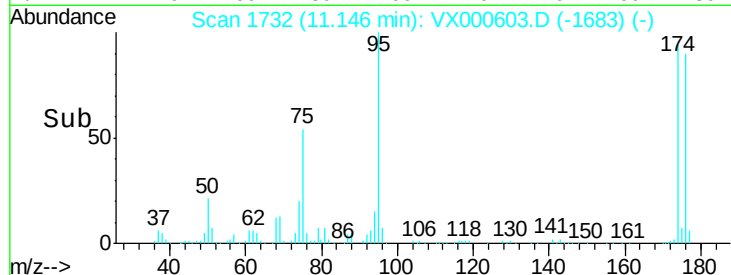
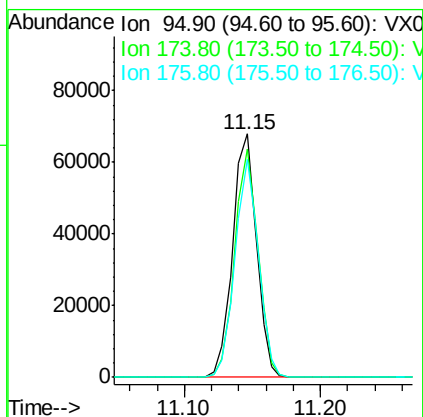
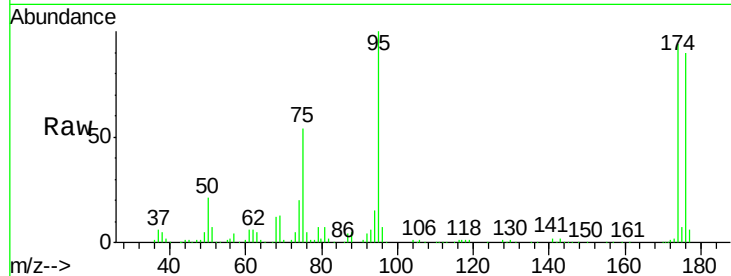




#62
4-Bromofluorobenzene
Concen: 41.242 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000603.D
Acq: 31 Mar 2018 19:33

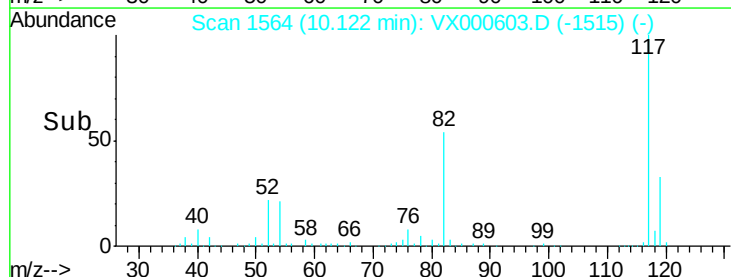
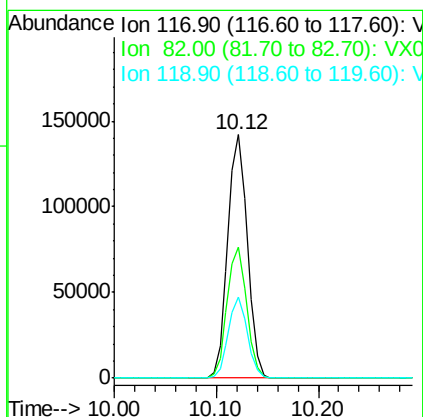
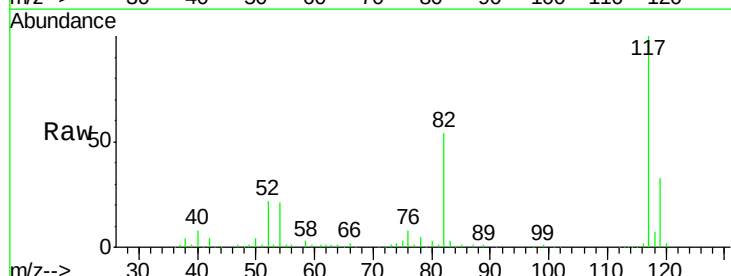
Instrument :
MSVOA_X
ClientSampled :

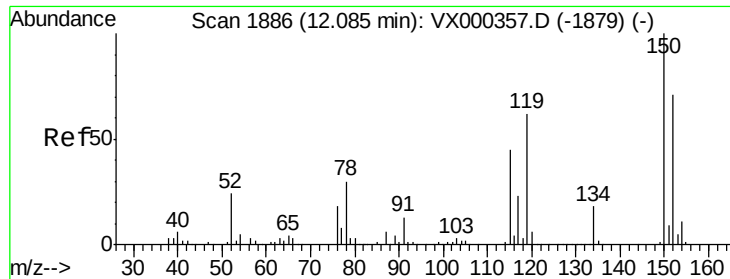
Tot Ion: 95 Resp: 83212
Ion Ratio Lower Upper
95 100
174 91.6 0.0 173.6
176 88.2 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000603.D
Acq: 31 Mar 2018 19:33

Tgt Ion: 117 Resp: 189109
Ion Ratio Lower Upper
117 100
82 54.0 43.8 65.8
119 33.1 24.9 37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000603.D

Acq: 31 Mar 2018 19:33

Instrument :

MSVOA_X

ClientSampleId :

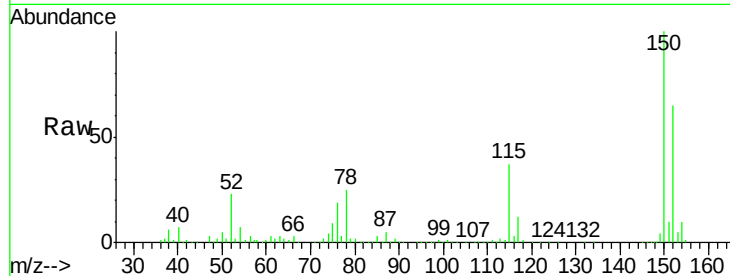
Tot Ion:152 Resp: 100239

Ion Ratio Lower Upper

152 100

115 56.9 39.8 119.3

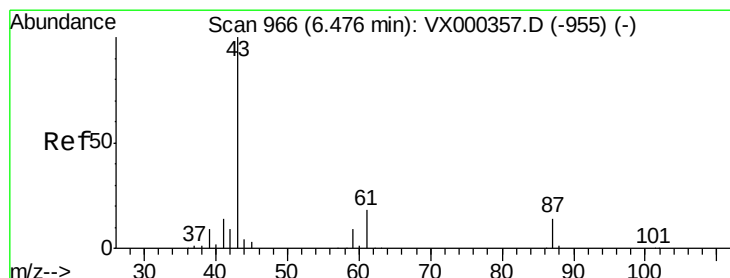
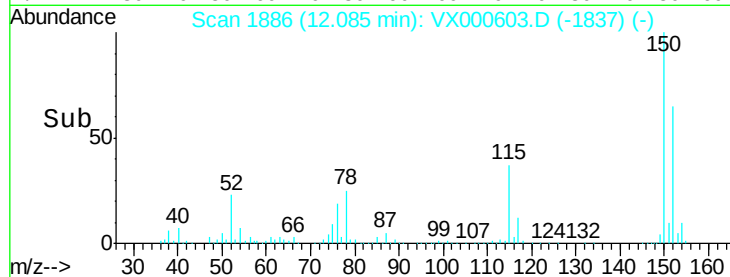
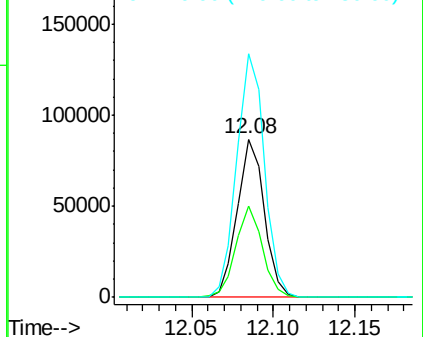
150 157.9 0.0 344.4



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



#74

N-ethyl acetate

Concen: Below Cal

RT: 6.66 min Scan# 997

Delta R.T. 0.19 min

Lab File: VX000603.D

Acq: 31 Mar 2018 19:33

Tgt Ion: 43 Resp: 94

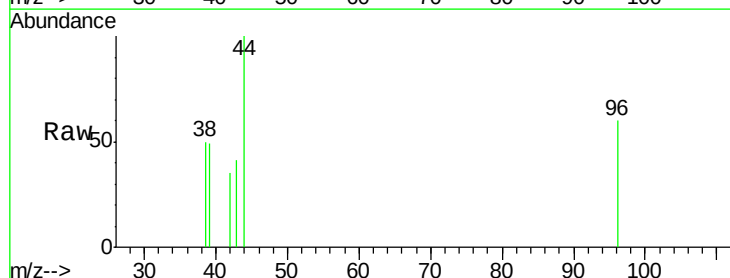
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 0.0 14.4 21.6#

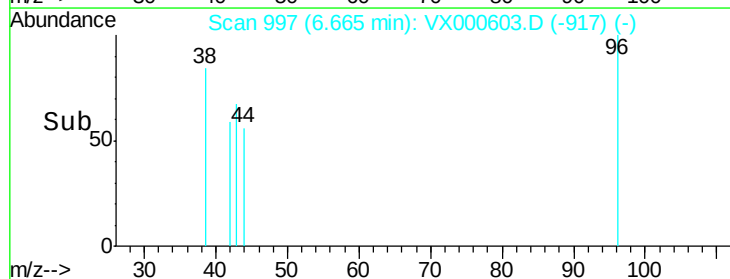
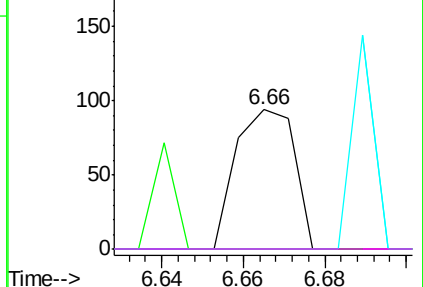


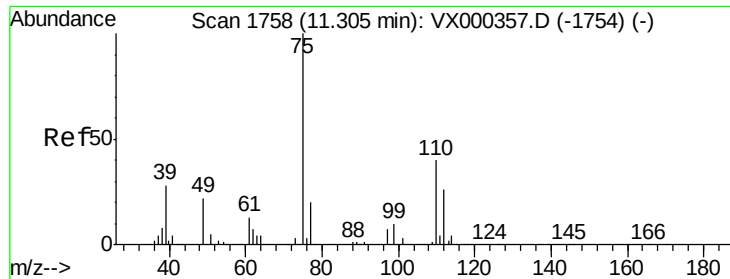
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

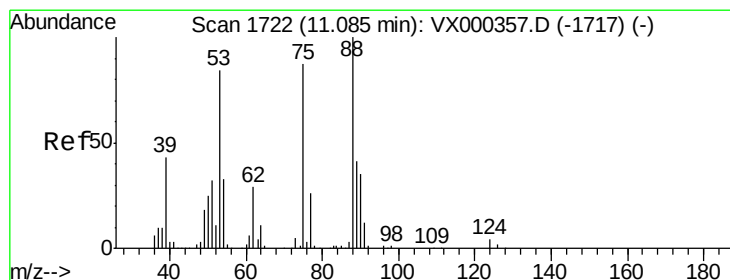
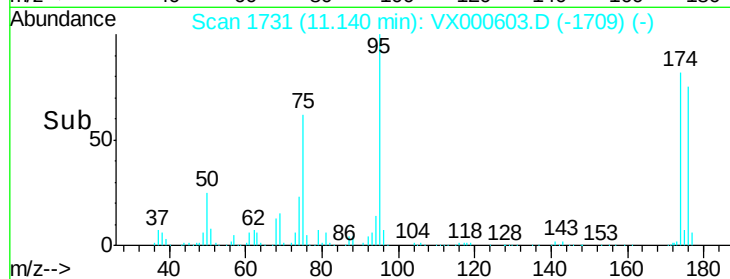
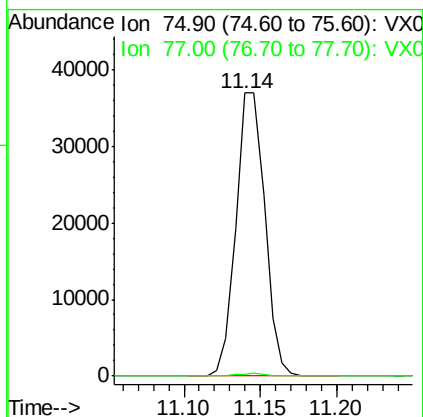
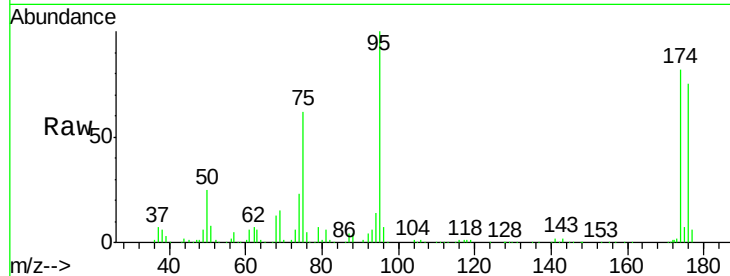




#76
 1,2,3-Trichloropropane
 Concen: 22.502 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.17 min
 Lab File: VX000603.D
 Acq: 31 Mar 2018 19:33

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 48476
 Ion Ratio Lower Upper
 75 100
 77 0.9 21.4 64.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.854 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.05 min
 Lab File: VX000603.D
 Acq: 31 Mar 2018 19:33

Tgt Ion: 75 Resp: 48476
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.7 121.1#
 89 0.0 39.4 59.0#

