

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032718\
 Data File : VX000476.D
 Acq On : 27 Mar 2018 22:52
 Operator : JC/MD
 Sample : J2083-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-20180326

Quant Time: Mar 28 06:57:07 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	106725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	191166	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	184621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	93036	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	79578	57.12	ug/l	0.00
Spiked Amount			Recovery	=	114.24%	
35) Dibromofluoromethane	5.51	113	60625	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
50) Toluene-d8	8.73	98	236085	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
62) 4-Bromofluorobenzene	11.15	95	80410	39.61	ug/l	0.00
Spiked Amount			Recovery	=	79.22%	

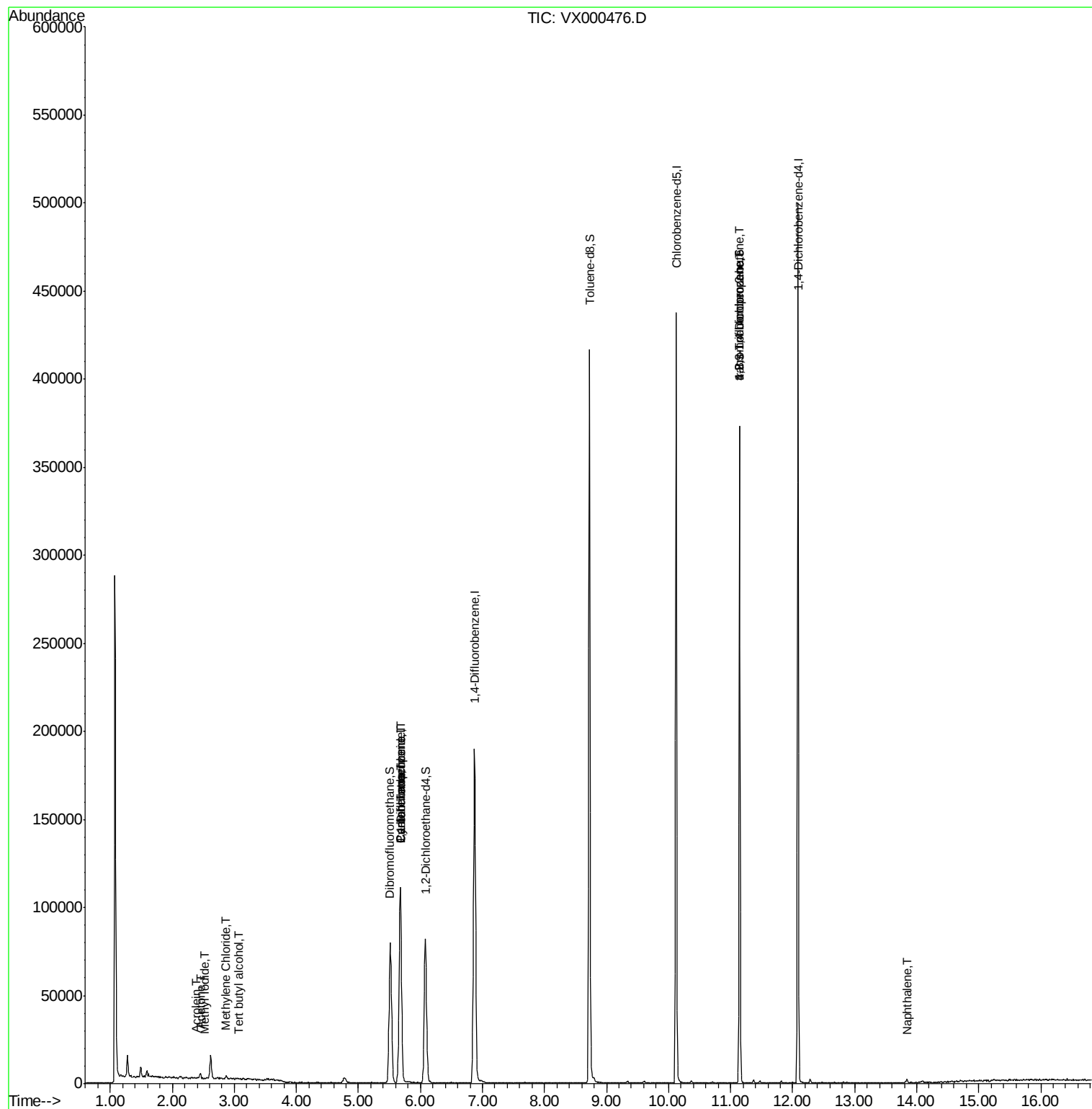
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	138	Below Cal	#	1
10) Methyl Iodide	2.52	142	43	4.31	ug/l #	37
11) Tert butyl alcohol	3.07	59	439	0.92	ug/l #	84
13) Acrolein	2.38	56	35	14.79	ug/l #	13
14) Allyl chloride	2.73	41	149	Below Cal	#	47
16) Acetone	2.45	43	3393	2.93	ug/l	94
20) Methylene Chloride	2.87	84	437	0.33	ug/l	93
31) Cyclohexane	5.67	56	2584	1.47	ug/l #	60
36) 1,1-Dichloropropene	5.68	75	8345	4.66	ug/l #	46
38) Carbon Tetrachloride	5.68	117	10482	5.58	ug/l #	18
74) N-amyl acetate	6.43	43	48	Below Cal	#	59
76) 1,2,3-Trichloropropane	11.15	75	46670	23.34	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	46670	75.57	ug/l #	9
95) Naphthalene	13.84	128	1673	0.22	ug/l #	96

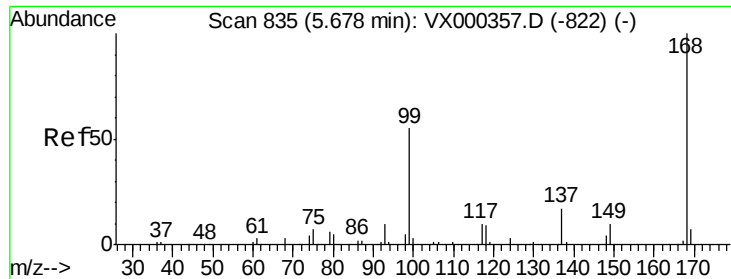
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000476.D

Acq: 27 Mar 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

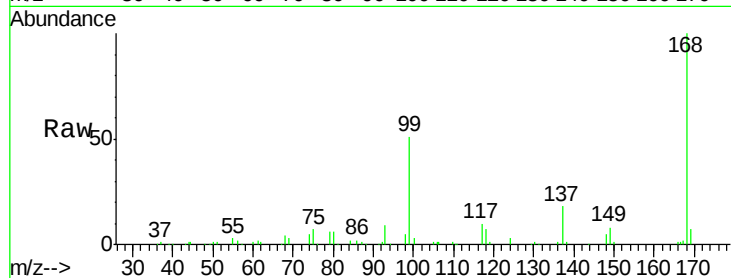
TB-20180326

Tgt Ion:168 Resp: 106725

Ion Ratio Lower Upper

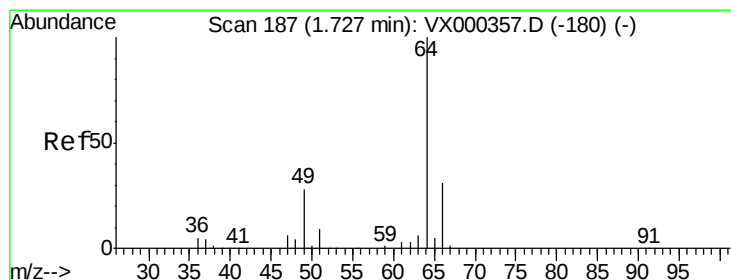
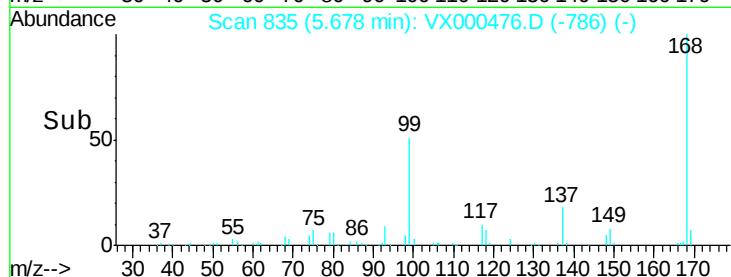
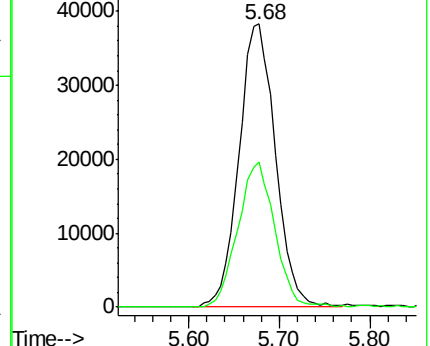
168 100

99 51.5 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: 1.71 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX000476.D

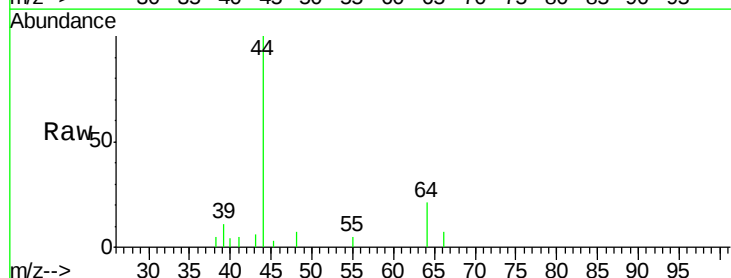
Acq: 27 Mar 2018 22:52

Tgt Ion: 64 Resp: 138

Ion Ratio Lower Upper

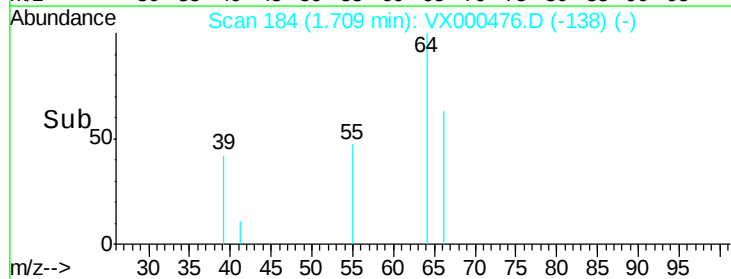
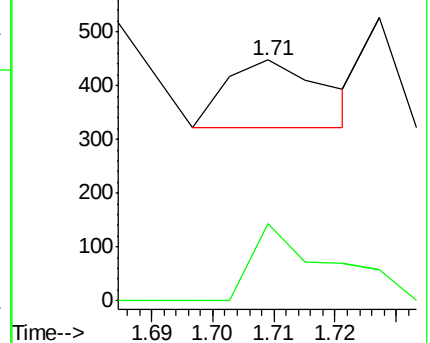
64 100

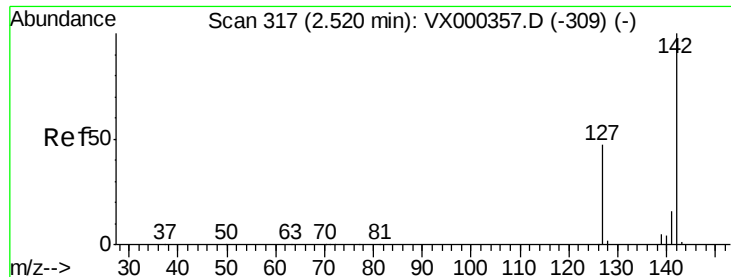
66 115.3 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

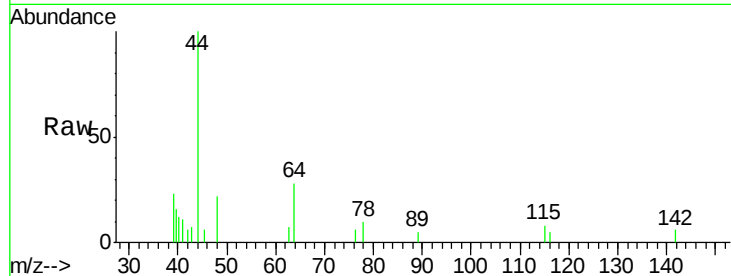




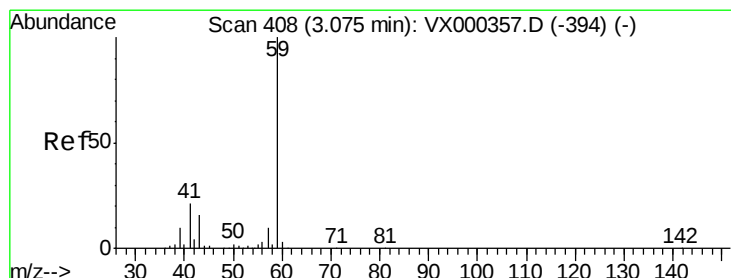
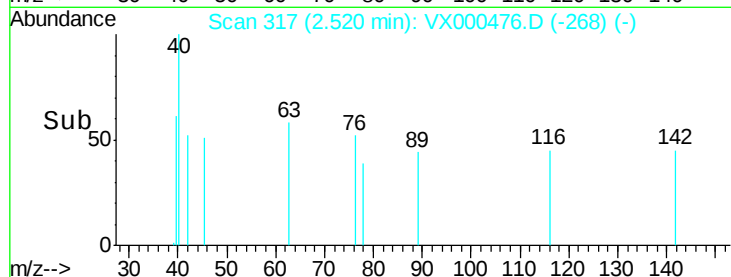
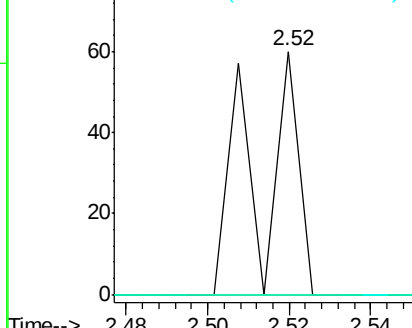
#10
Methyl Iodide
Concen: 4.31 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.00 min
Lab File: VX000476.D
Acq: 27 Mar 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
TB-20180326

Tgt Ion: 142 Resp: 43
Ion Ratio Lower Upper
142 100
127 0.0 39.2 58.8#
141 0.0 11.7 17.5#

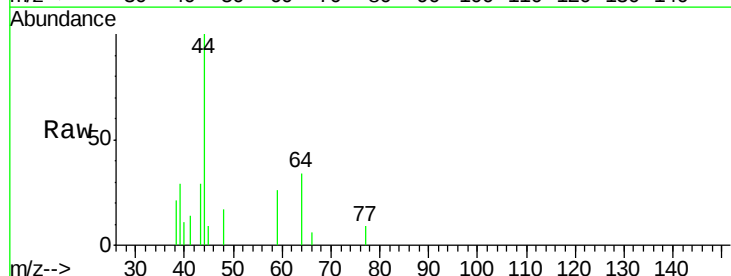


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

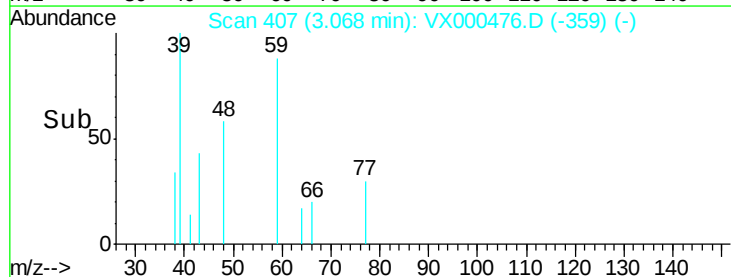
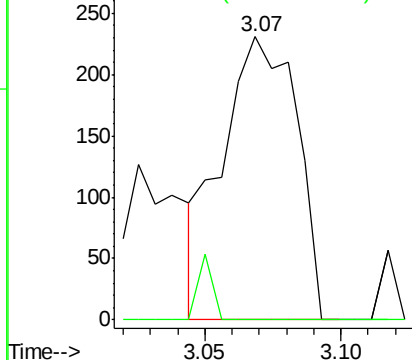


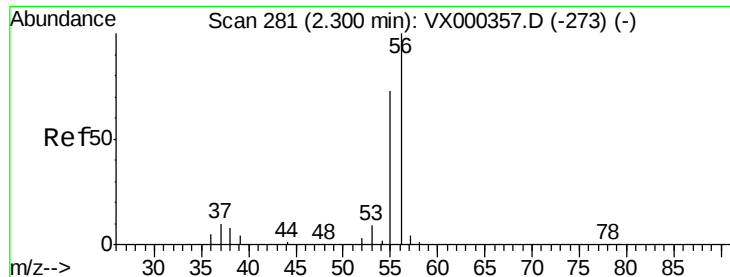
#11
Tert butyl alcohol
Concen: 0.92 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX000476.D
Acq: 27 Mar 2018 22:52

Tgt Ion: 59 Resp: 439
Ion Ratio Lower Upper
59 100
57 4.6 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 14.79 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.08 min

Lab File: VX000476.D

Acq: 27 Mar 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

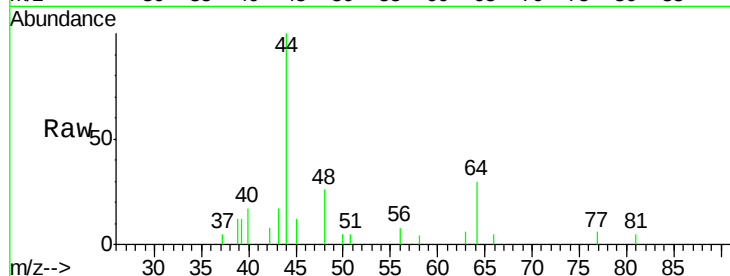
TB-20180326

Tgt Ion: 56 Resp: 35

Ion Ratio Lower Upper

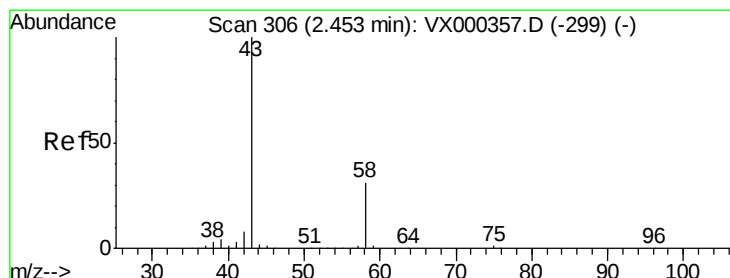
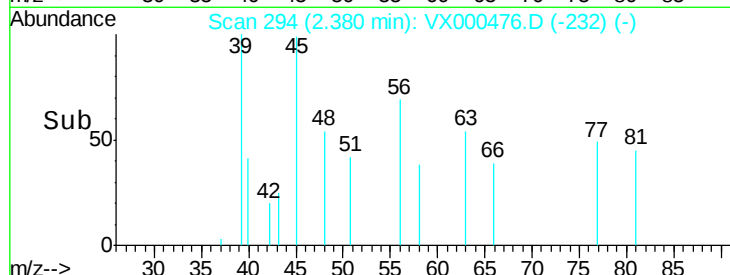
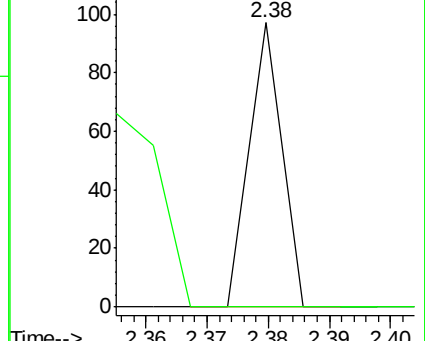
56 100

55 0.0 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: 2.93 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000476.D

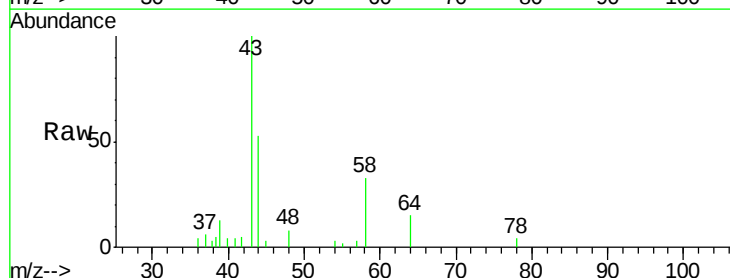
Acq: 27 Mar 2018 22:52

Tgt Ion: 43 Resp: 3393

Ion Ratio Lower Upper

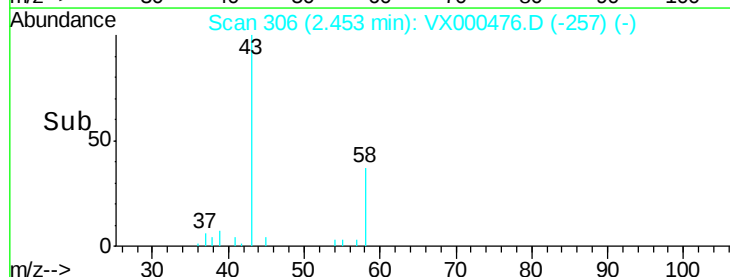
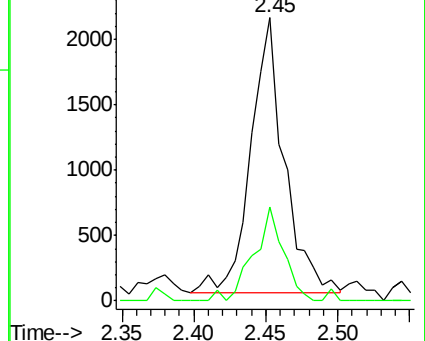
43 100

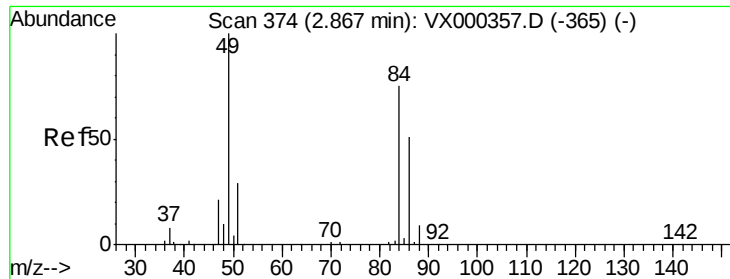
58 34.1 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

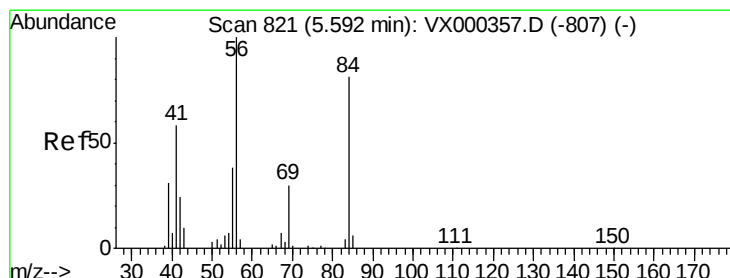
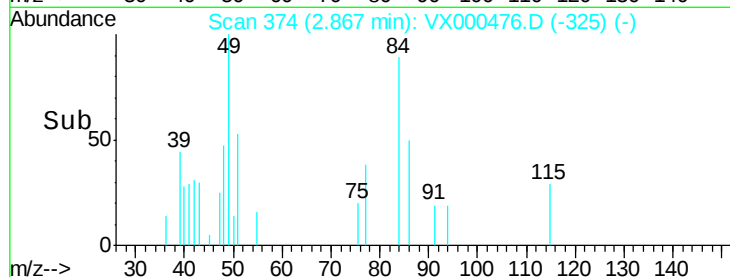
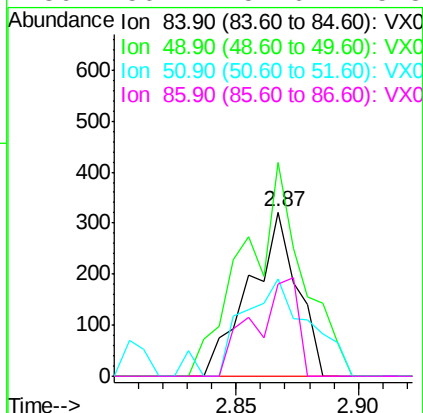
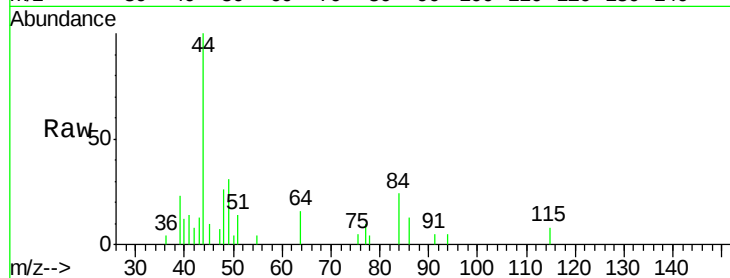




#20
Methylene Chloride
Concen: 0.33 ug/l
RT: 2.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX000476.D
Acq: 27 Mar 2018 22:52

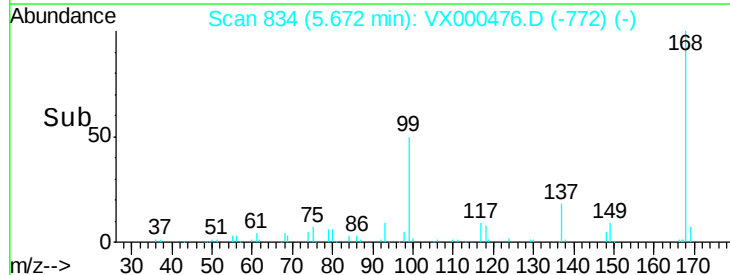
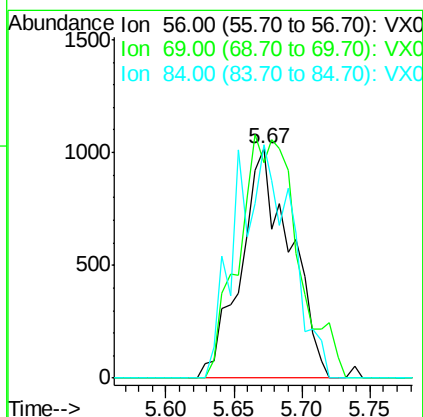
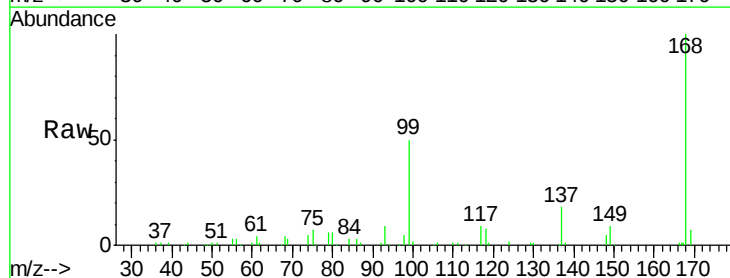
Instrument :
MSVOA_X
ClientSampleId :
TB-20180326

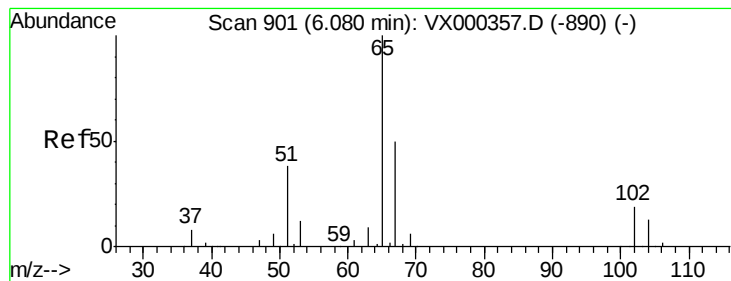
Tgt Ion:	84	Resp:	437
Ion	Ratio	Lower	Upper
84	100		
49	130.5	100.6	151.0
51	43.6	31.6	47.4
86	56.4	52.6	78.8



#31
Cyclohexane
Concen: 1.47 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.08 min
Lab File: VX000476.D
Acq: 27 Mar 2018 22:52

Tgt Ion:	56	Resp:	2584
Ion	Ratio	Lower	Upper
56	100		
69	94.2	23.4	35.0#
84	101.6	71.0	106.4





#33

1,2-Dichloroethane-d4

Concen: 57.12 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX000476.D

Acq: 27 Mar 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

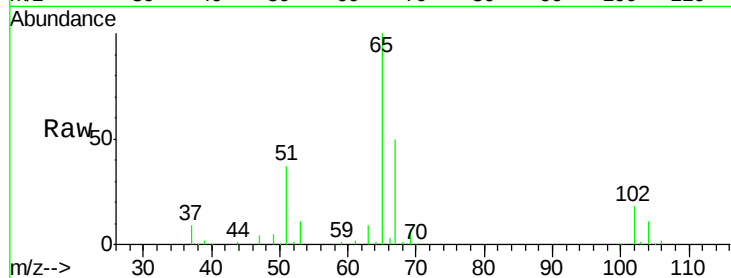
TB-20180326

Tgt Ion: 65 Resp: 79578

Ion Ratio Lower Upper

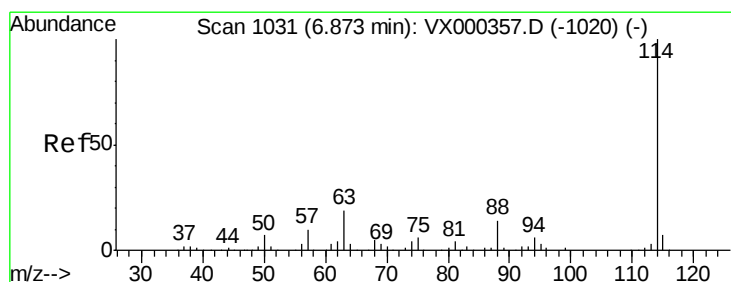
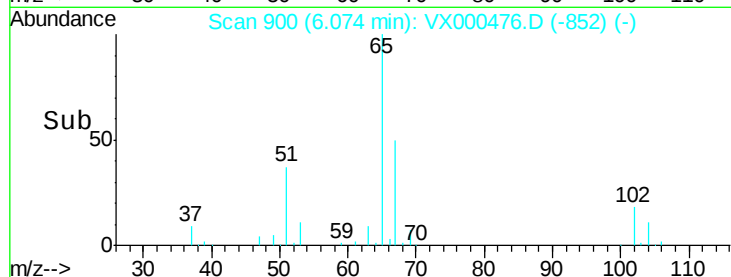
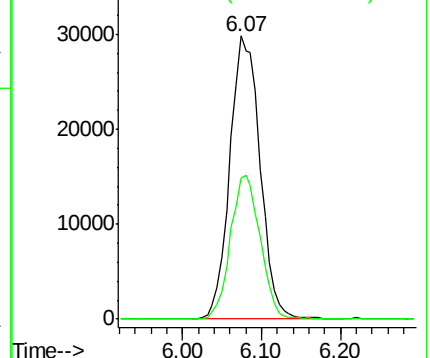
65 100

67 50.1 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# 1031

Delta R.T. -0.00 min

Lab File: VX000476.D

Acq: 27 Mar 2018 22:52

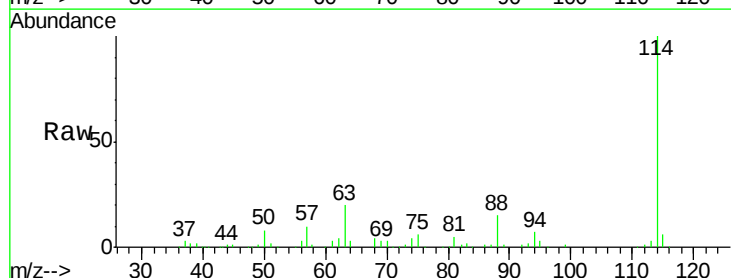
Tgt Ion: 114 Resp: 191166

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

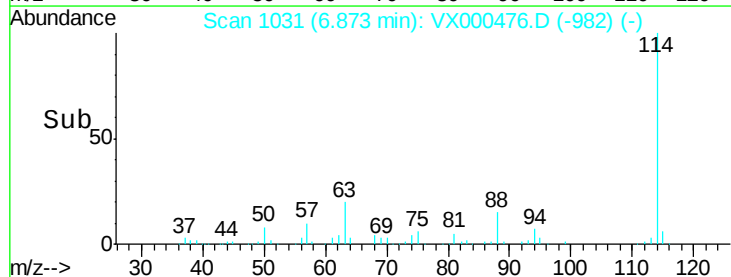
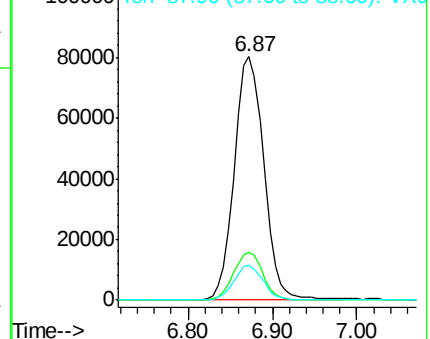
88 14.5 0.0 27.0

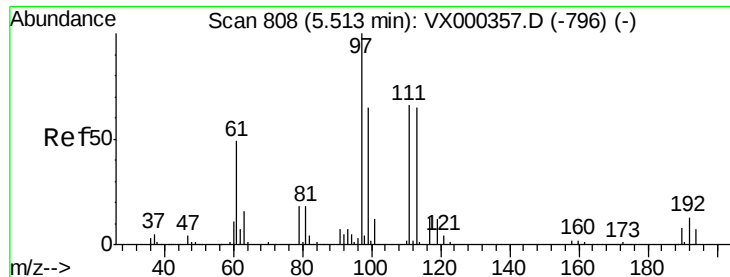


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.33 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000476.D

Acq: 27 Mar 2018 22:52

Instrument :

MSVOA_X

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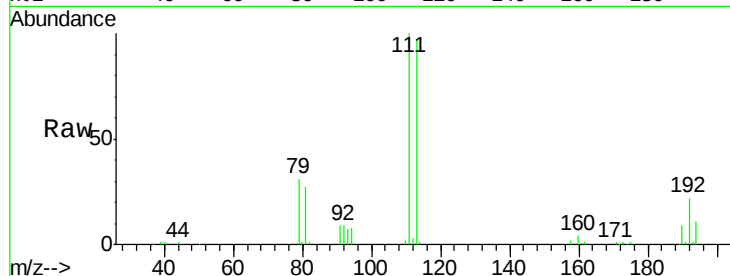
Tgt Ion:113 Resp: 60625

Ion Ratio Lower Upper

113 100

111 102.2 82.4 123.6

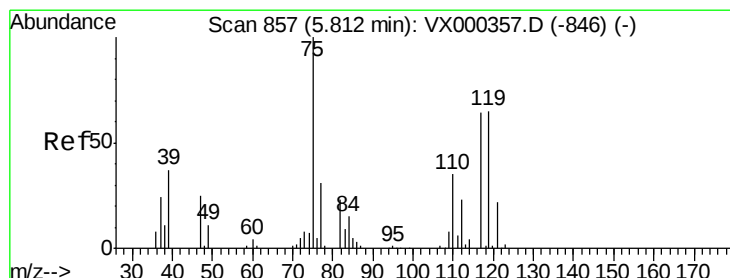
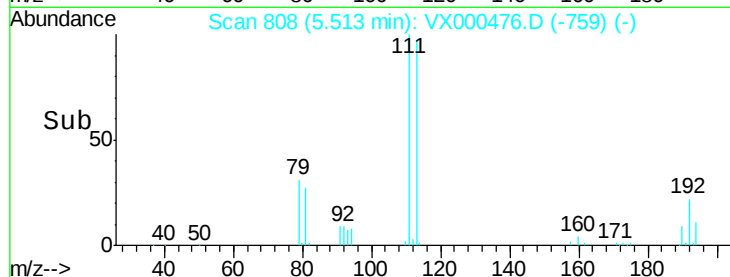
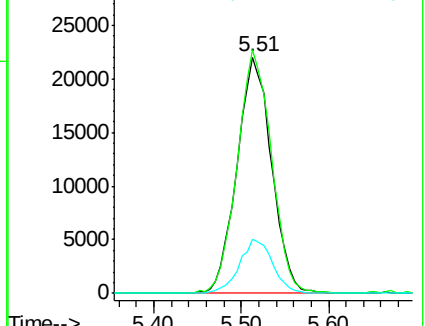
192 22.1 15.8 23.6



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: 4.66 ug/l

RT: 5.68 min Scan# 836

Delta R.T. -0.13 min

Lab File: VX000476.D

Acq: 27 Mar 2018 22:52

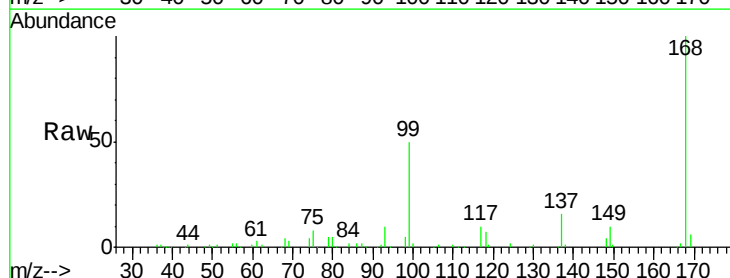
Tgt Ion: 75 Resp: 8345

Ion Ratio Lower Upper

75 100

110 4.7 17.9 53.7#

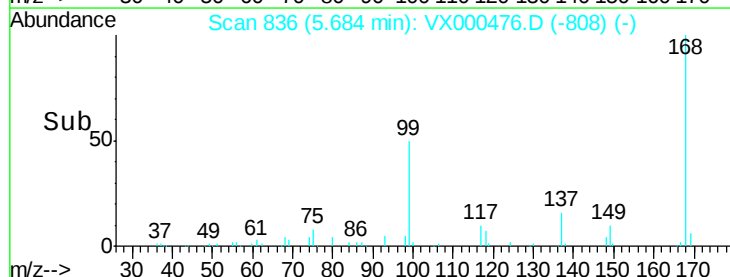
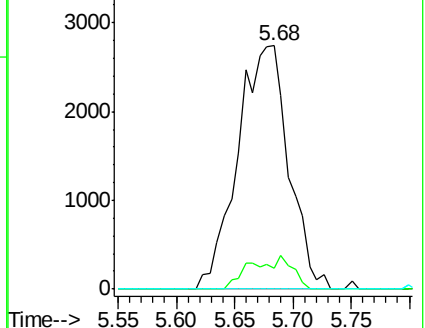
77 0.0 24.0 36.0#

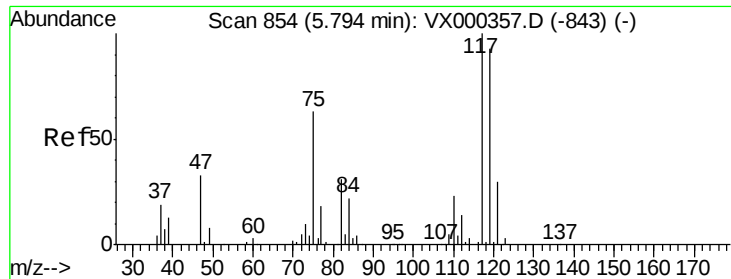


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

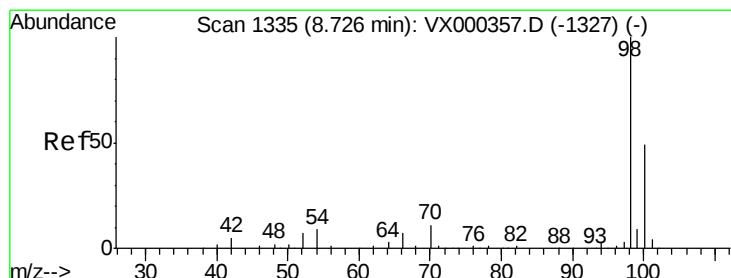
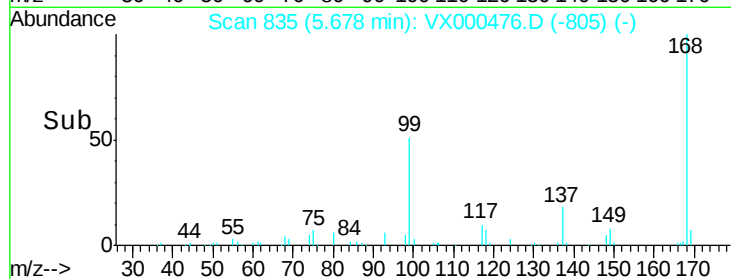
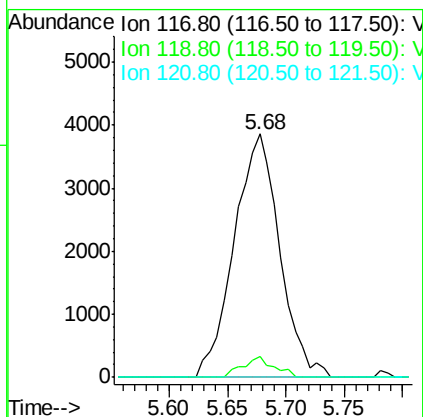
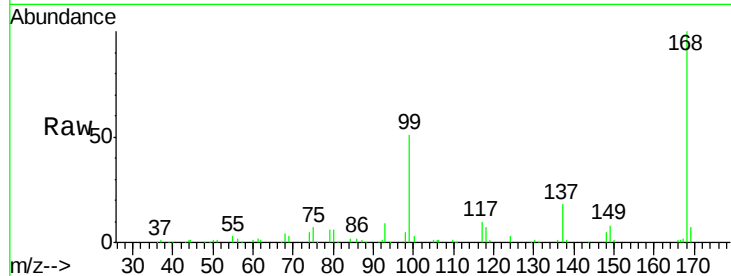




#38
Carbon Tetrachloride
Concen: 5.58 ug/l
RT: 5.68 min Scan# 835
Delta R.T. -0.12 min
Lab File: VX000476.D
Acq: 27 Mar 2018 22:52

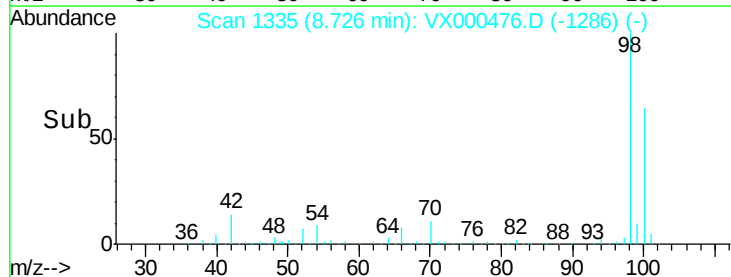
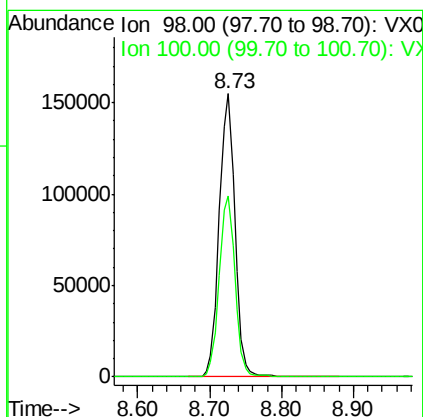
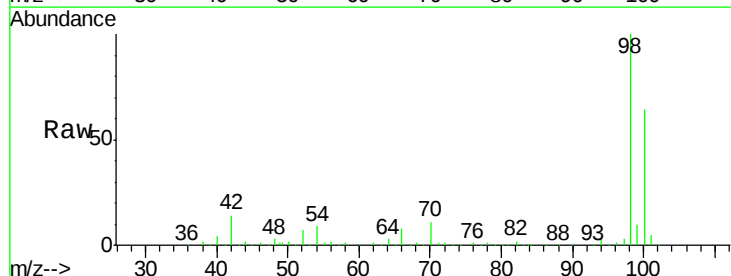
Instrument :
MSVOA_X
ClientSampleId :
TB-20180326

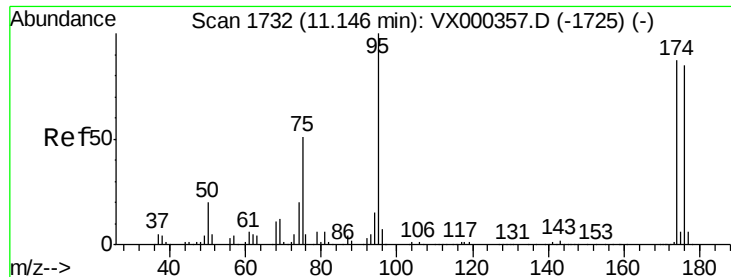
Tgt Ion:117 Resp: 10482
Ion Ratio Lower Upper
117 100
119 8.4 77.4 116.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 47.32 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000476.D
Acq: 27 Mar 2018 22:52

Tgt Ion: 98 Resp: 236085
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 39.61 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000476.D

Acq: 27 Mar 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

TB-20180326

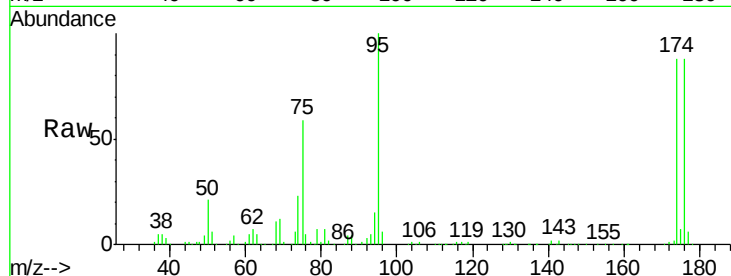
Tgt Ion: 95 Resp: 80410

Ion Ratio Lower Upper

95 100

174 90.2 0.0 173.6

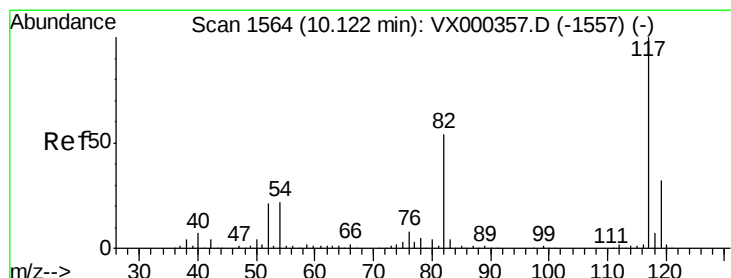
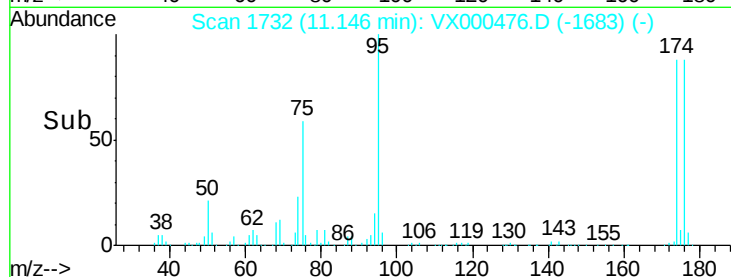
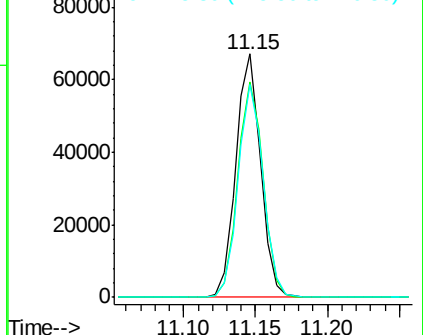
176 88.5 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX000476.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000476.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000476.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000476.D

Acq: 27 Mar 2018 22:52

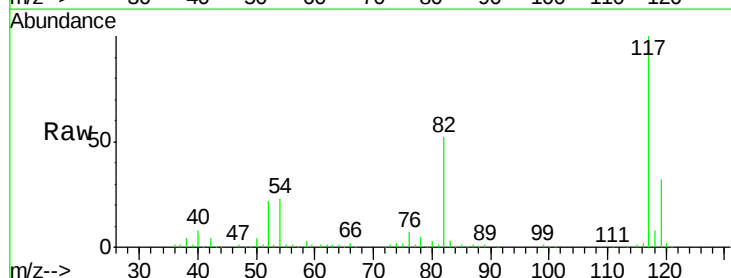
Tgt Ion: 117 Resp: 184621

Ion Ratio Lower Upper

117 100

82 51.8 43.8 65.8

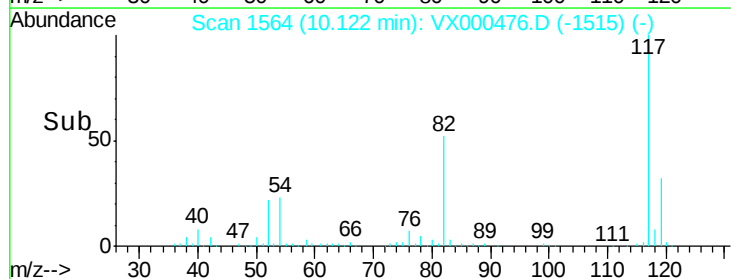
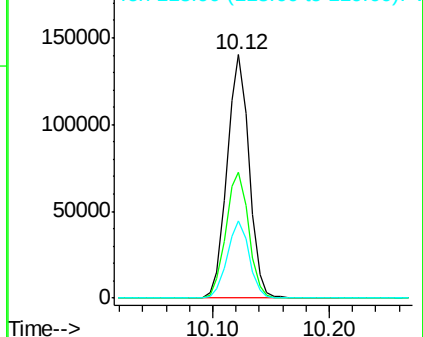
119 32.0 24.9 37.3

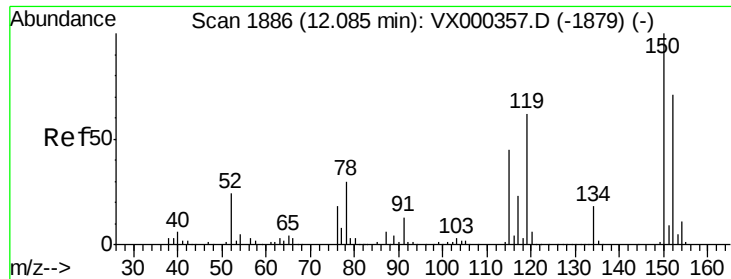


Abundance Ion 116.90 (116.60 to 117.60): VX000476.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000476.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000476.D (-1515) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000476.D

Acq: 27 Mar 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

TB-20180326

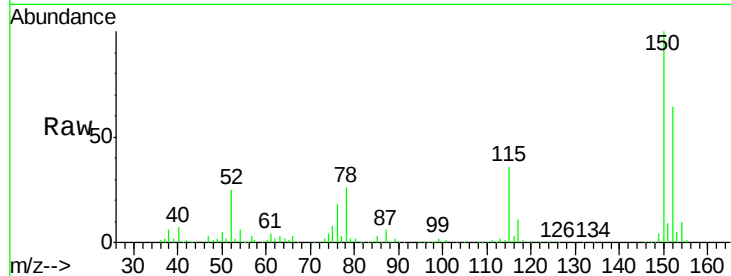
Tgt Ion:152 Resp: 93036

Ion Ratio Lower Upper

152 100

115 56.5 39.8 119.3

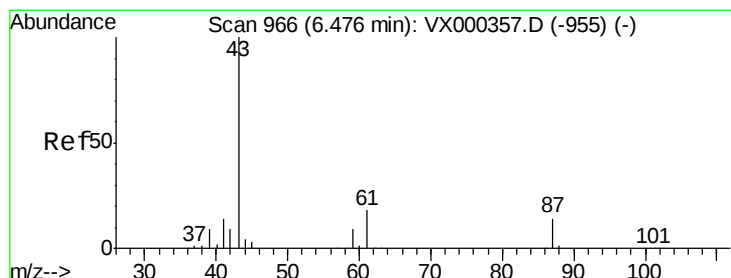
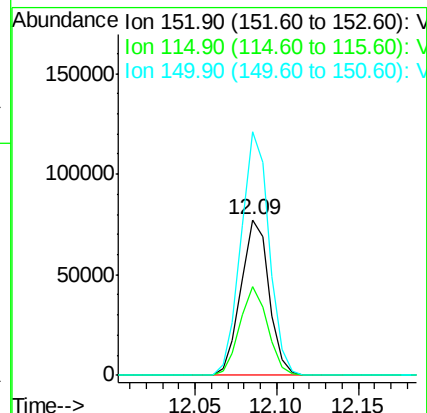
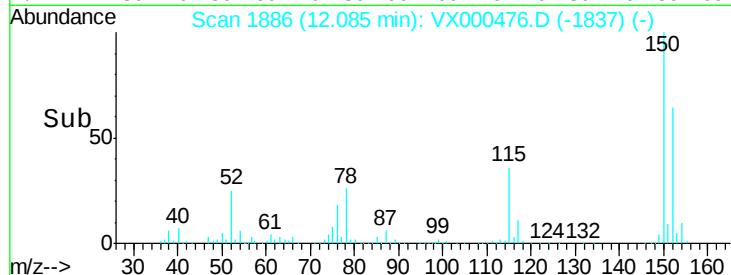
150 157.1 0.0 344.4



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: 6.43 min Scan# 958

Delta R.T. -0.05 min

Lab File: VX000476.D

Acq: 27 Mar 2018 22:52

Tgt Ion: 43 Resp: 48

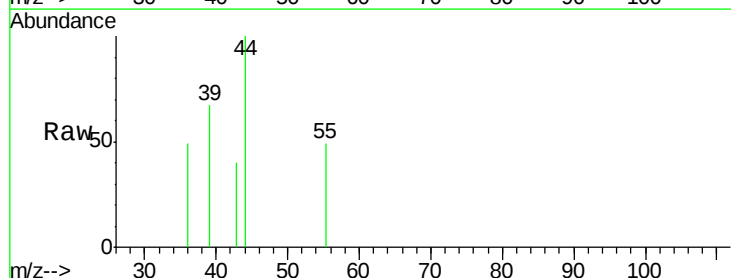
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 0.0 14.4 21.6#

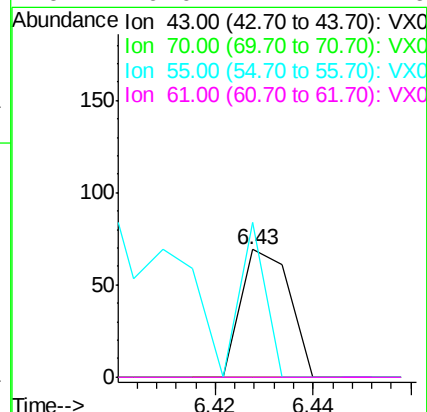
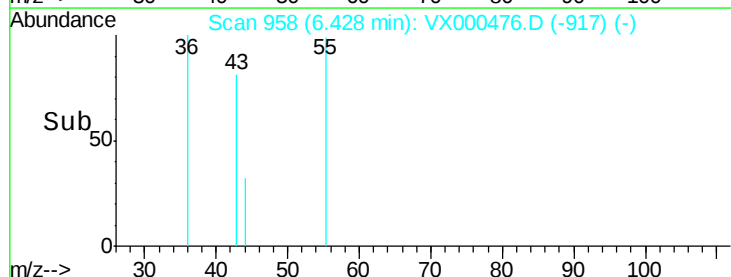


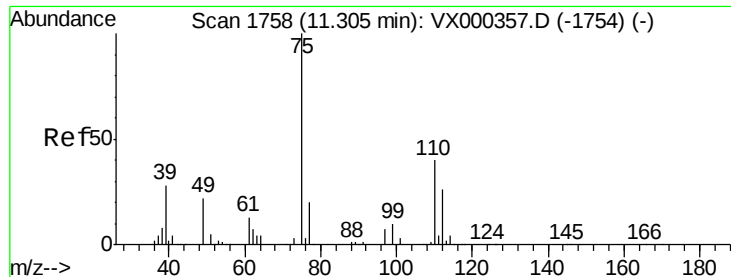
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.34 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000476.D

Acq: 27 Mar 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

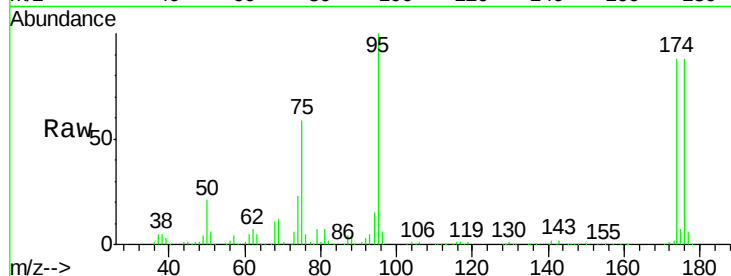
TB-20180326

Tgt Ion: 75 Resp: 46670

Ion Ratio Lower Upper

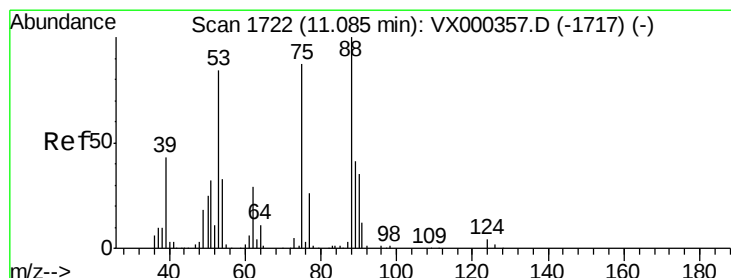
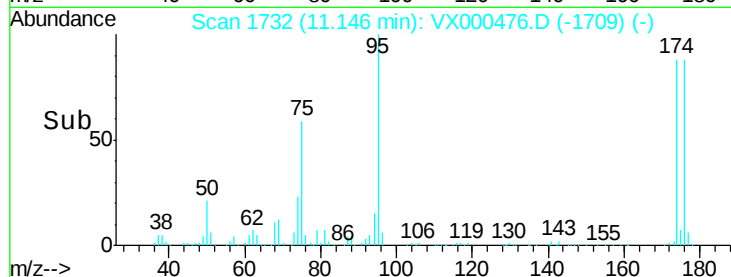
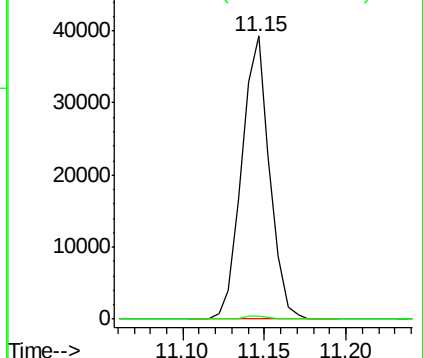
75 100

77 1.2 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: 75.57 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000476.D

Acq: 27 Mar 2018 22:52

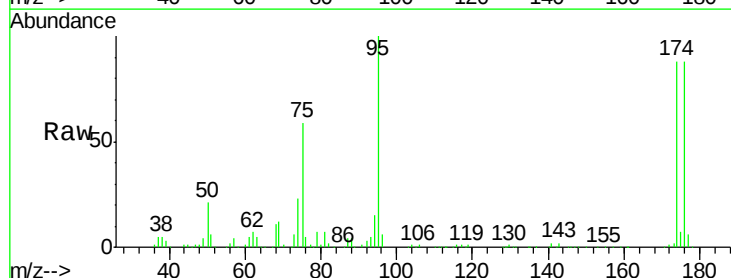
Tgt Ion: 75 Resp: 46670

Ion Ratio Lower Upper

75 100

53 0.1 80.7 121.1#

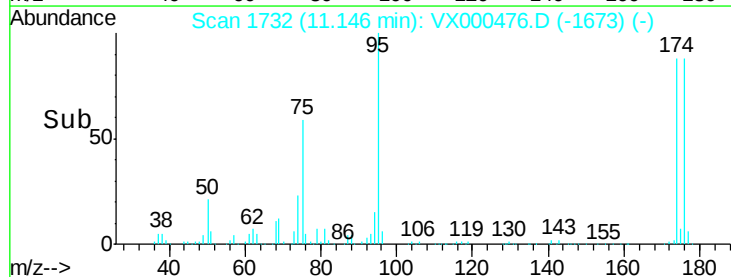
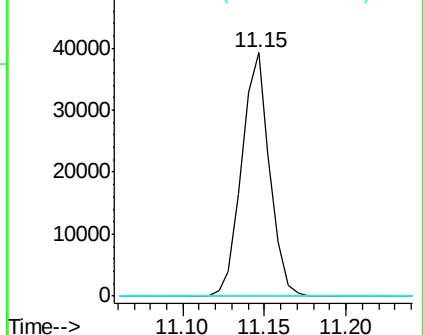
89 0.1 39.4 59.0#

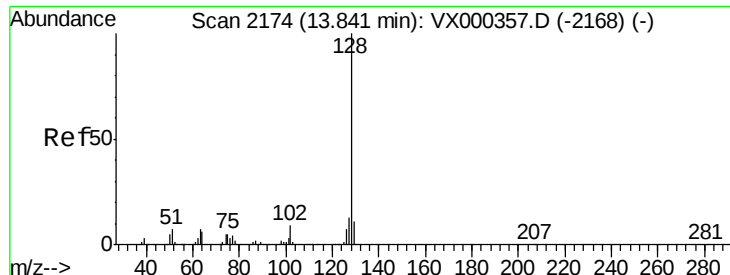


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95

Naphthalene

Concen: 0.22 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000476.D

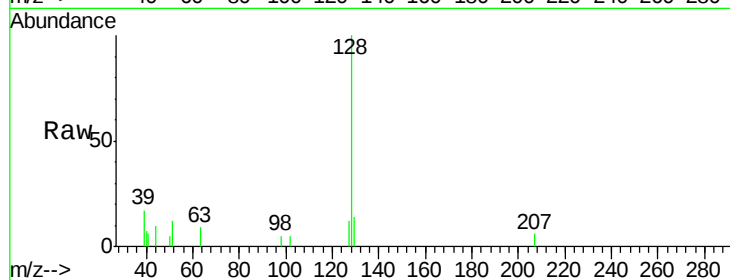
Acq: 27 Mar 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

TB-20180326



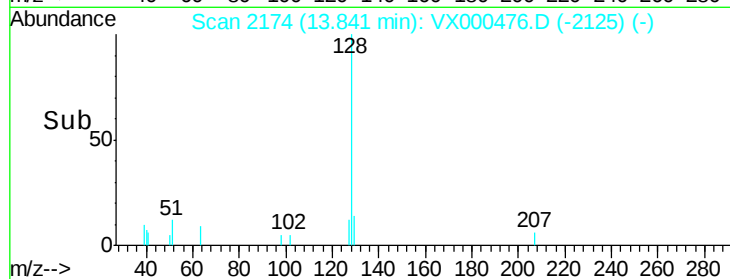
Tgt Ion:128 Resp: 1673

Ion Ratio Lower Upper

128 100

127 12.4 10.6 15.8

129 13.4 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

