

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111618\
 Data File : VX006058.D
 Acq On : 16 Nov 2018 18:55
 Operator : JC/MD
 Sample : J5968-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3-111418

Quant Time: Nov 17 00:45:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	138553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	207159	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	181862	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	78361	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	79181	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
35) Dibromofluoromethane	5.50	113	66169	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	
50) Toluene-d8	8.71	98	212799	45.43	ug/l	0.00
Spiked Amount			Recovery	=	90.86%	
62) 4-Bromofluorobenzene	11.14	95	72362	42.97	ug/l	0.00
Spiked Amount			Recovery	=	85.94%	

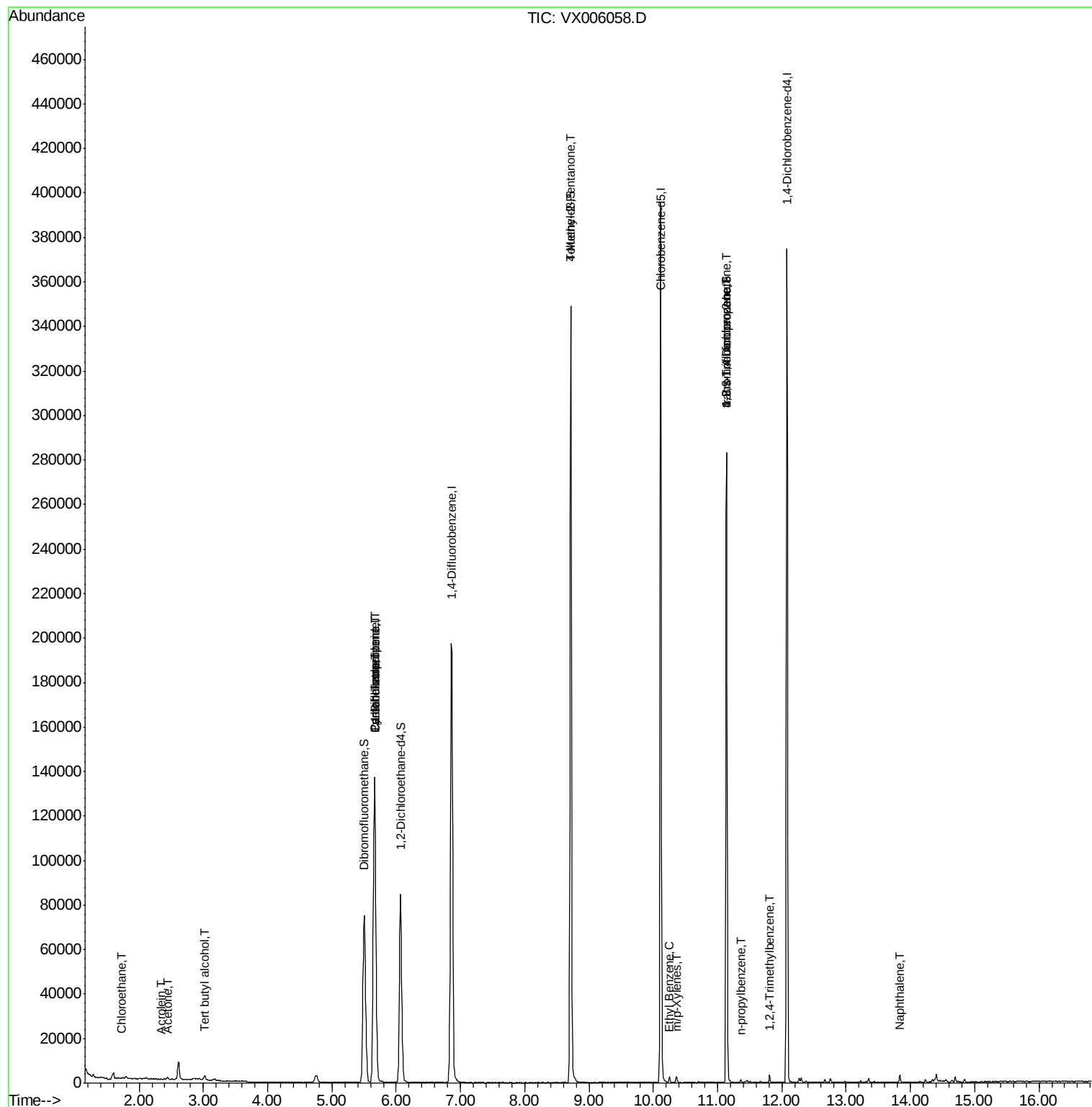
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	2084	2.122	ug/l #	42
11) Tert butyl alcohol	3.03	59	1126	2.468	ug/l #	72
13) Acrolein	2.34	56	22	19.257	ug/l #	1
16) Acetone	2.45	43	1183	1.379	ug/l	90
18) Methyl Acetate	2.78	43	387	Below Cal	#	55
31) Cyclohexane	5.66	56	2459	1.108	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	9349	4.681	ug/l #	49
38) Carbon Tetrachloride	5.67	117	12777	6.391	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	935	0.390	ug/l #	1
67) Ethyl Benzene	10.25	91	1549	0.265	ug/l	92
68) m/p-Xylenes	10.36	106	728	0.327	ug/l	95
76) 1,2,3-Trichloropropane	11.14	75	35351	22.155	ug/l #	37
78) n-propylbenzene	11.36	91	1095	0.205	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.14	75	35351	70.613	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.80	105	1699	0.281	ug/l	100
95) Naphthalene	13.83	128	2430	1.598	ug/l	100

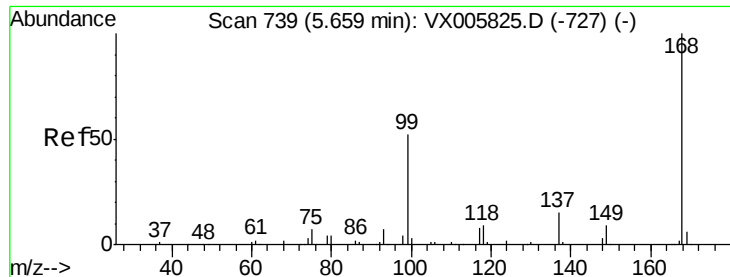
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111618\
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Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006058.D

Acq: 16 Nov 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

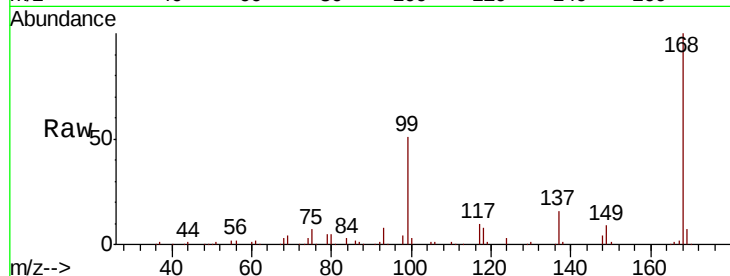
MW-3-111418

Tot Ion:168 Resp: 138553

Ion Ratio Lower Upper

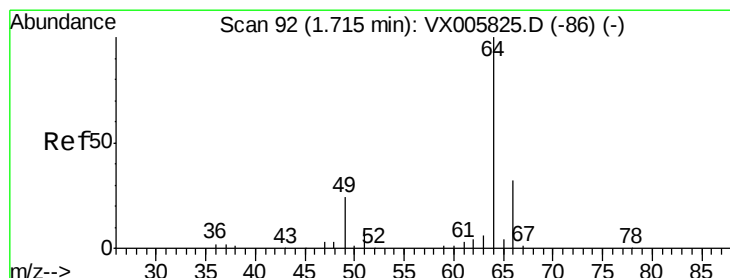
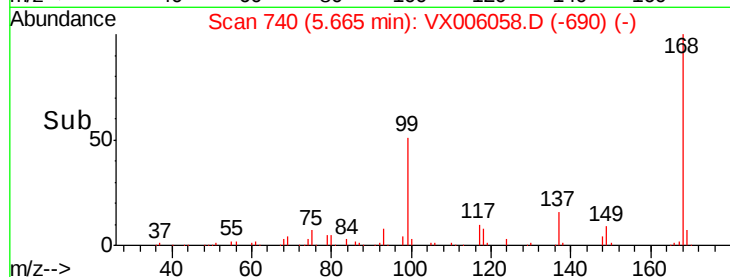
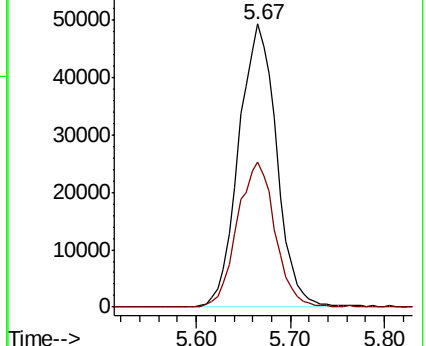
168 100

99 51.3 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 2.122 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX006058.D

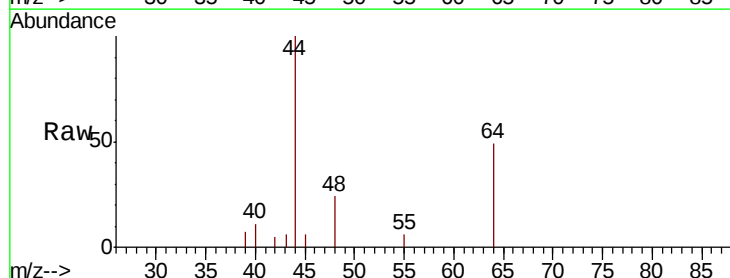
Acq: 16 Nov 2018 18:55

Tgt Ion: 64 Resp: 2084

Ion Ratio Lower Upper

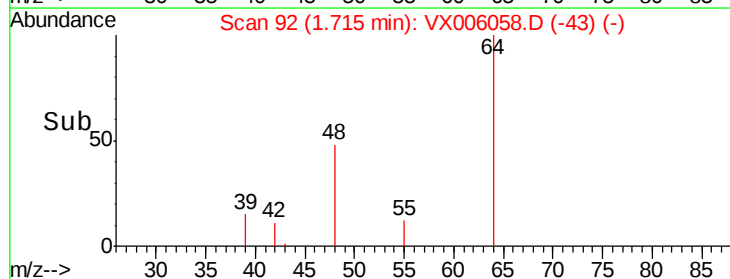
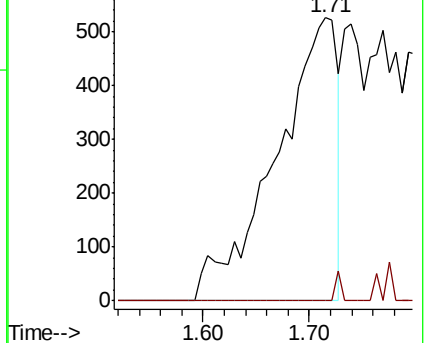
64 100

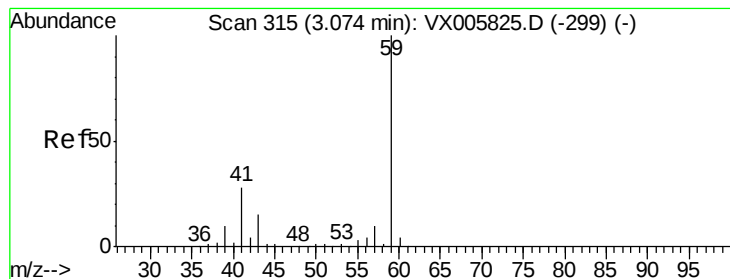
66 0.0 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



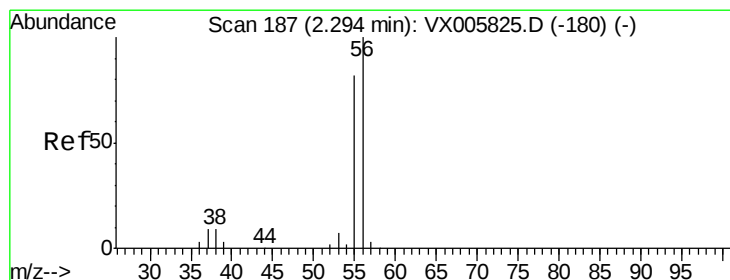
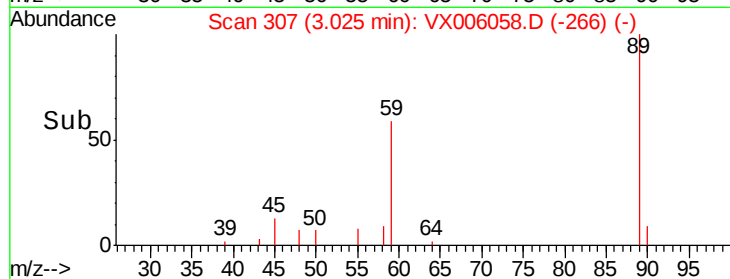
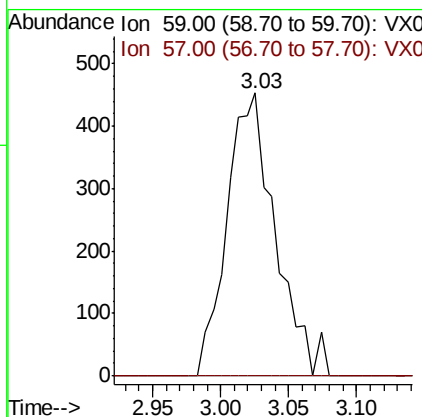
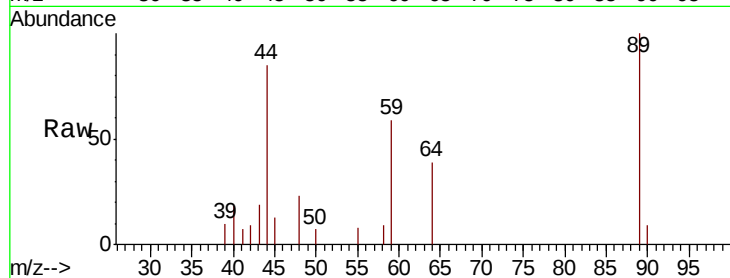


#11

Tert butyl alcohol
 Concen: 2.468 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.05 min
 Lab File: VX006058.D
 Acq: 16 Nov 2018 18:55

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3-111418

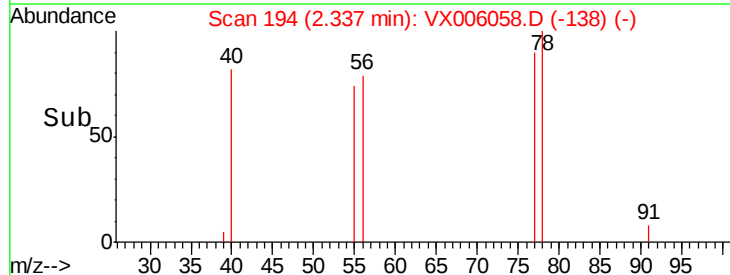
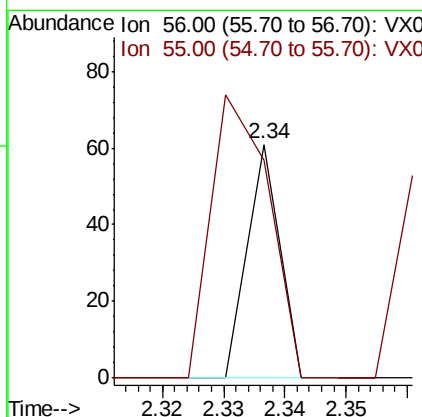
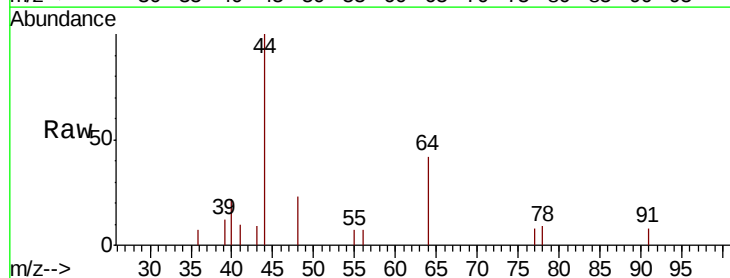
Tot Ion: 59 Resp: 1126
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

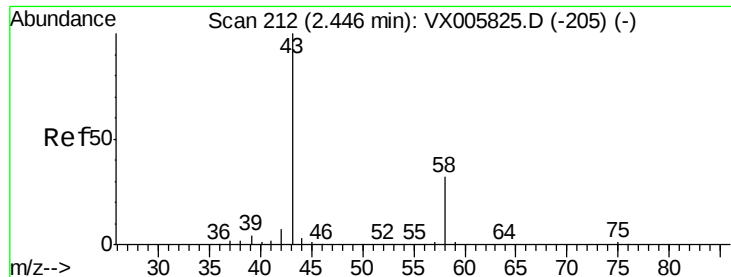


#13

Acrolein
 Concen: 19.257 ug/l
 RT: 2.34 min Scan# 194
 Delta R.T. 0.04 min
 Lab File: VX006058.D
 Acq: 16 Nov 2018 18:55

Tgt Ion: 56 Resp: 22
 Ion Ratio Lower Upper
 56 100
 55 218.2 57.3 85.9#





#16

Acetone

Concen: 1.379 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006058.D

Acq: 16 Nov 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

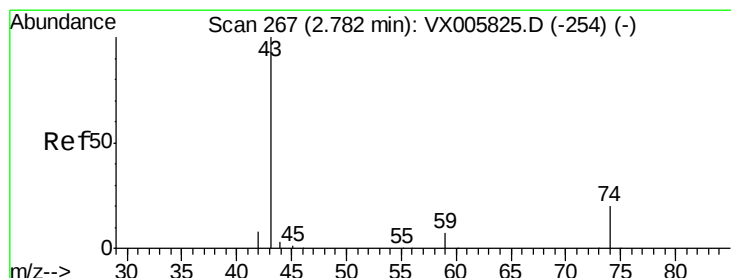
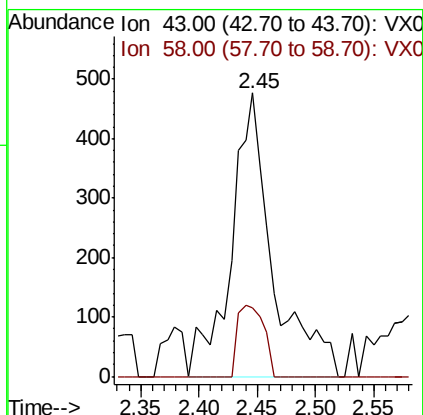
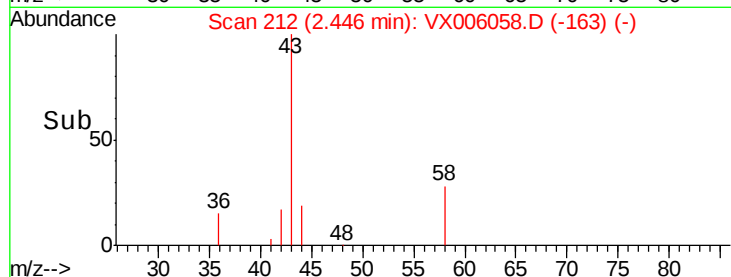
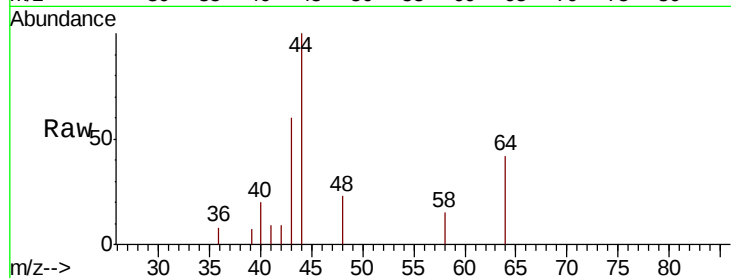
MW-3-111418

Tot Ion: 43 Resp: 1183

Ion Ratio Lower Upper

43 100

58 24.3 23.8 35.6



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX006058.D

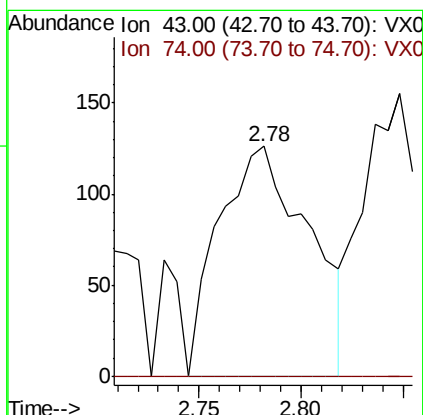
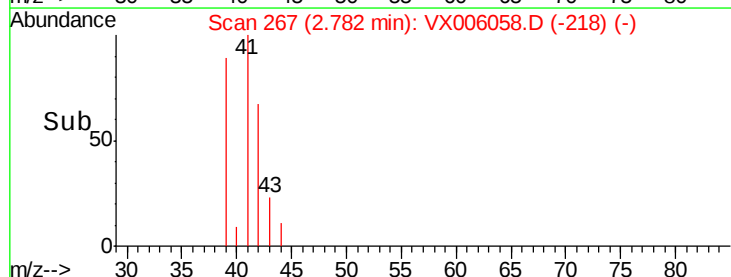
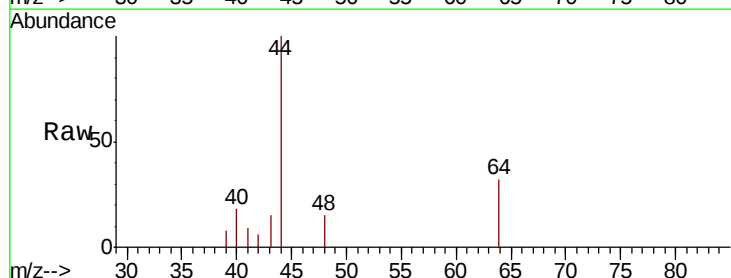
Acq: 16 Nov 2018 18:55

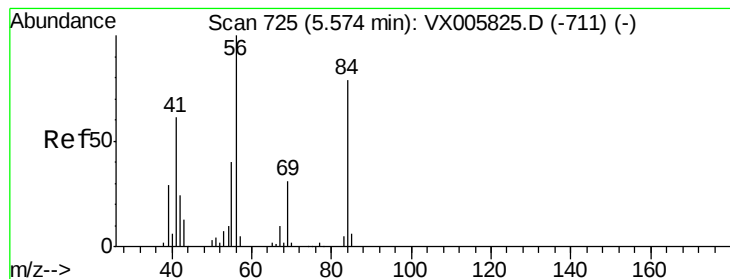
Tgt Ion: 43 Resp: 387

Ion Ratio Lower Upper

43 100

74 0.0 16.8 25.2#





#31

Cyclohexane

Concen: 1.108 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX006058.D

Acq: 16 Nov 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

MW-3-111418

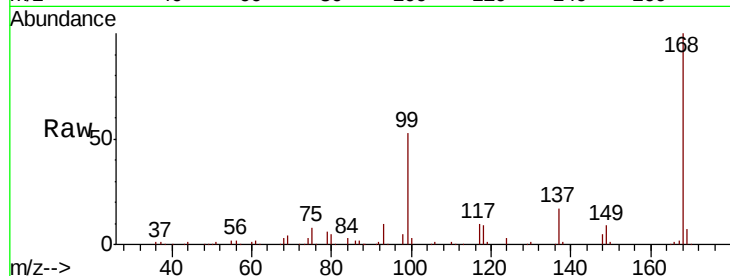
Tot Ion: 56 Resp: 2459

Ion Ratio Lower Upper

56 100

69 199.0 22.6 34.0#

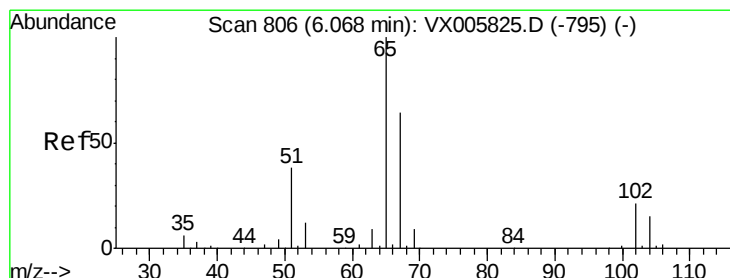
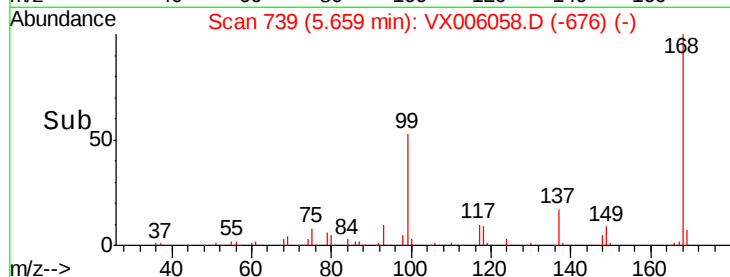
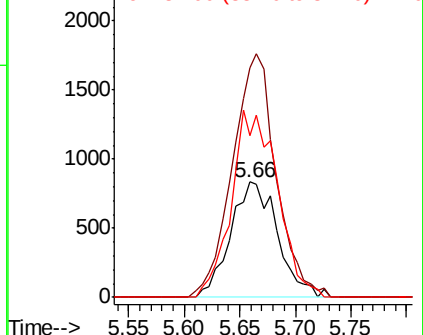
84 140.0 62.7 94.1#



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: 49.710 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX006058.D

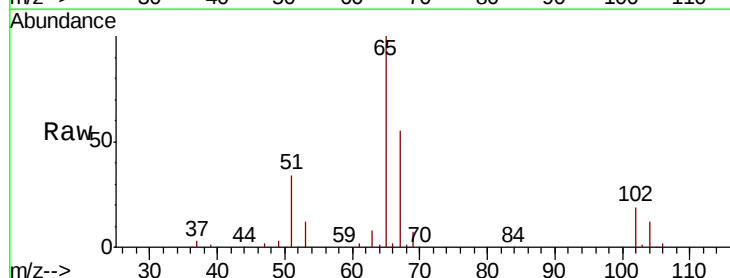
Acq: 16 Nov 2018 18:55

Tgt Ion: 65 Resp: 79181

Ion Ratio Lower Upper

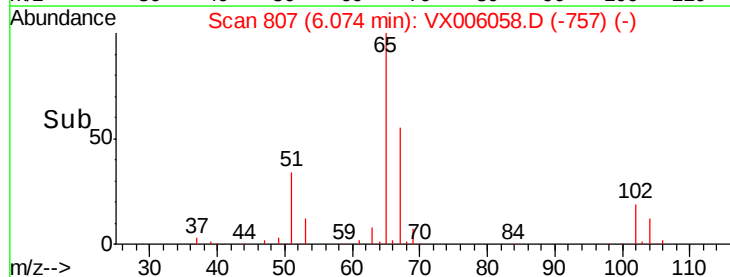
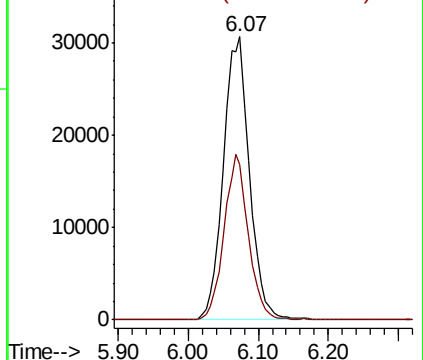
65 100

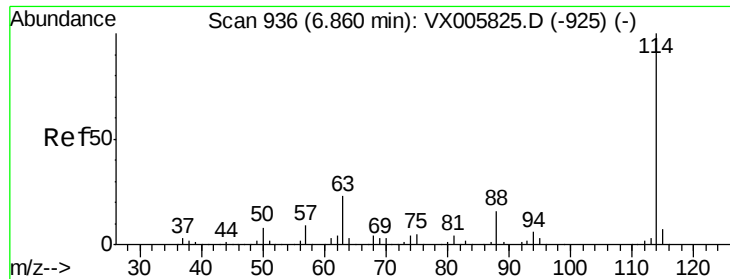
67 54.4 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

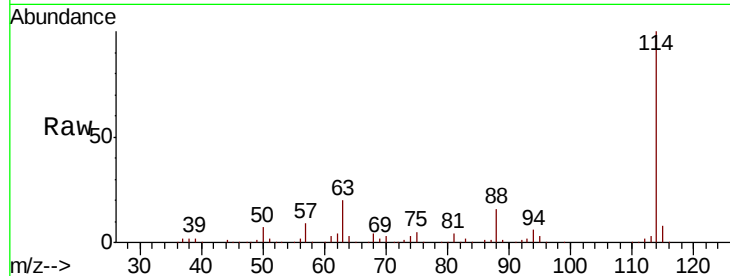




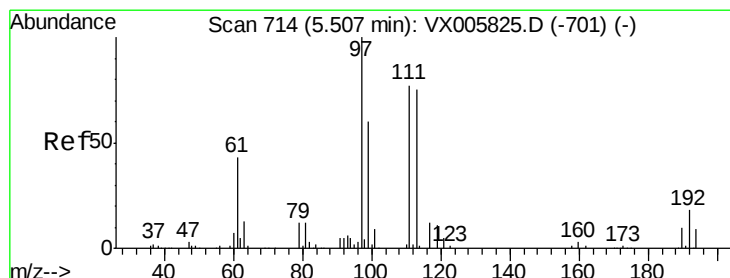
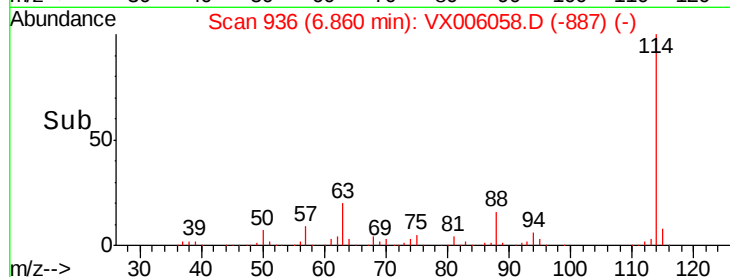
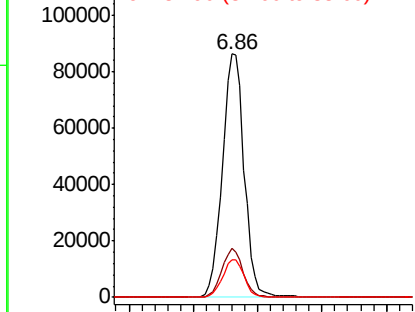
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006058.D
 Acq: 16 Nov 2018 18:55

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3-111418

Tot Ion:114 Resp: 207159
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 42.8
 88 15.6 0.0 31.2

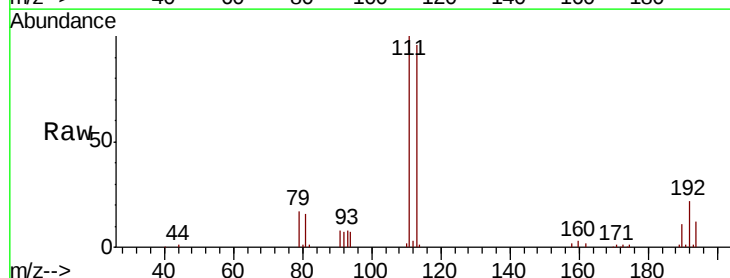


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

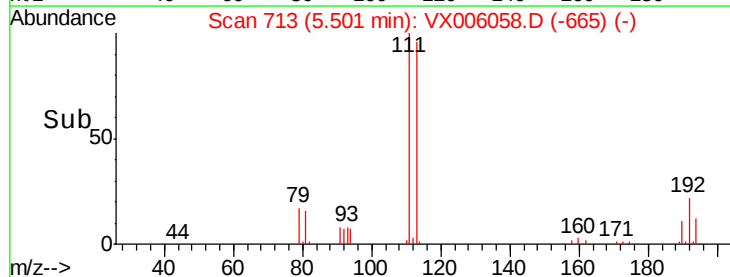
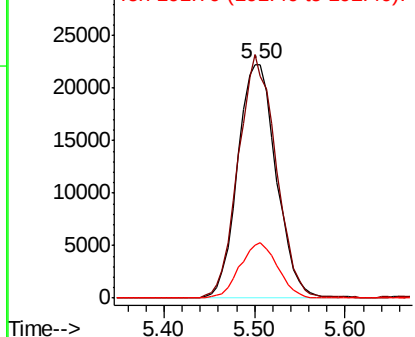


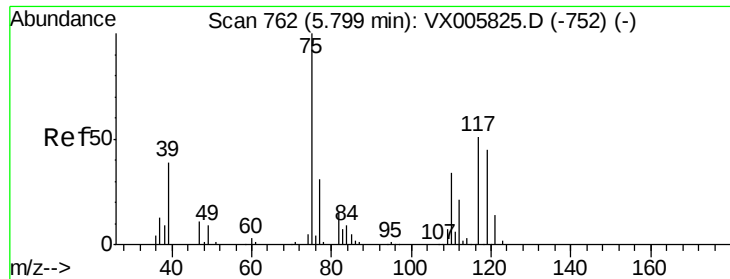
#35
 Dibromofluoromethane
 Concen: 46.962 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX006058.D
 Acq: 16 Nov 2018 18:55

Tgt Ion:113 Resp: 66169
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.3 123.5
 192 23.0 17.9 26.9



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

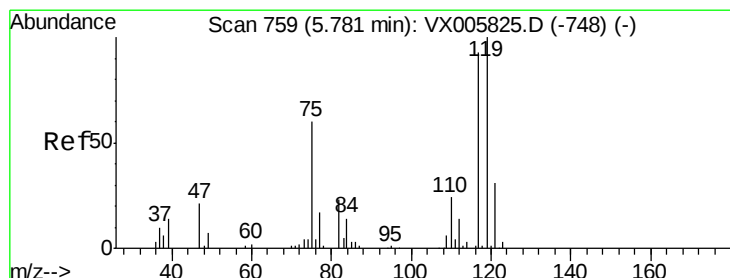
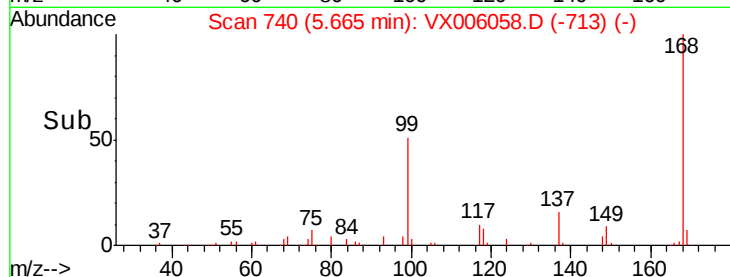
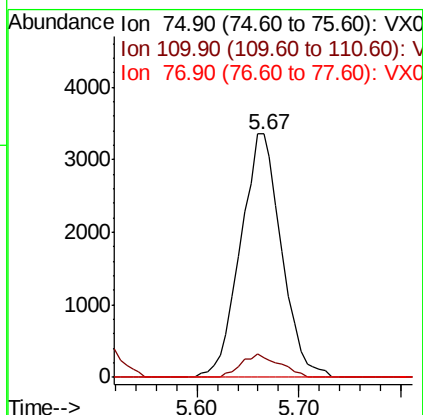
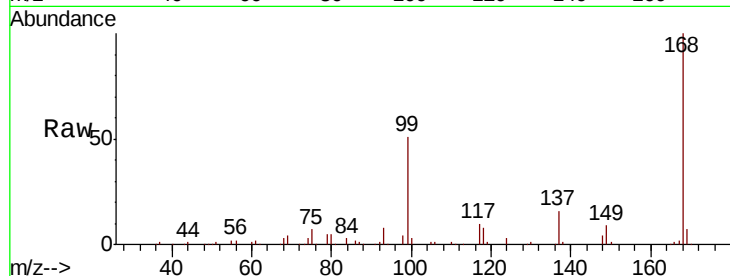




#36
 1,1-Dichloropropene
 Concen: 4.681 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX006058.D
 Acq: 16 Nov 2018 18:55

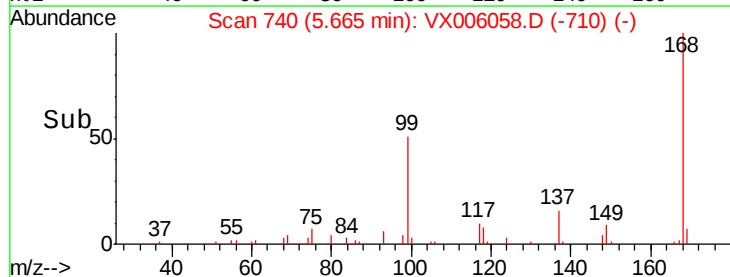
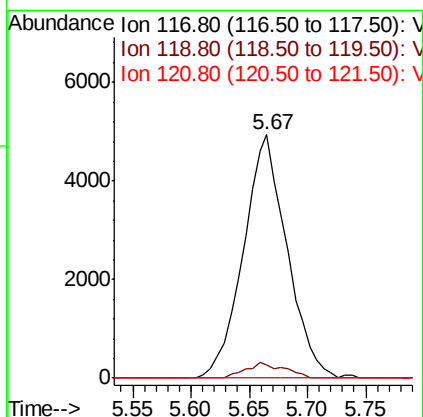
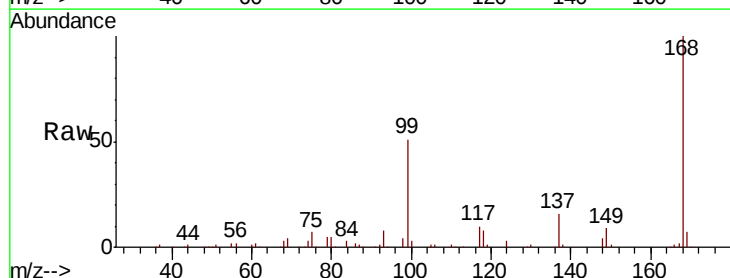
Instrument :
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 MW-3-111418

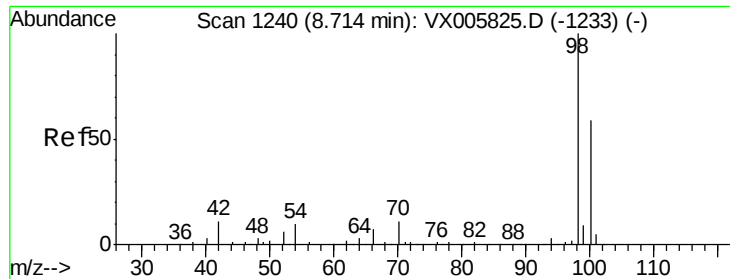
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.4	52.2#
77	0.0	25.8	38.6#



#38
 Carbon Tetrachloride
 Concen: 6.391 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX006058.D
 Acq: 16 Nov 2018 18:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	78.1	117.1#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 45.428 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006058.D

Acq: 16 Nov 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

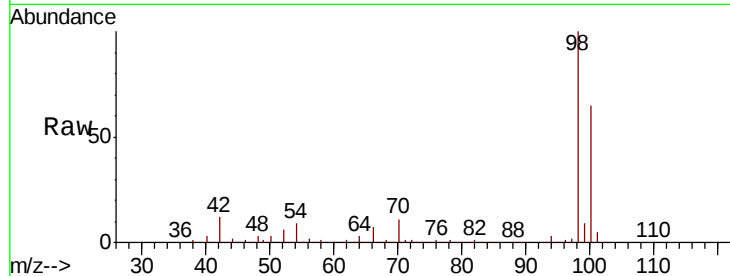
MW-3-111418

Tot Ion: 98 Resp: 212799

Ion Ratio Lower Upper

98 100

100 64.1 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

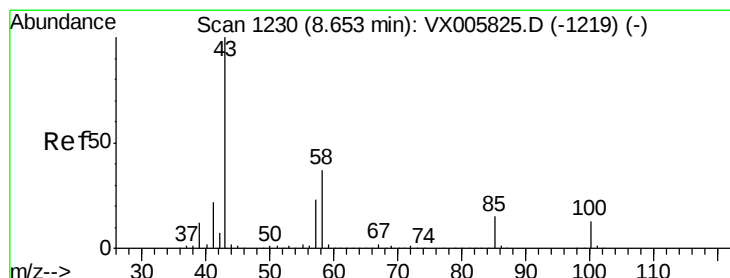
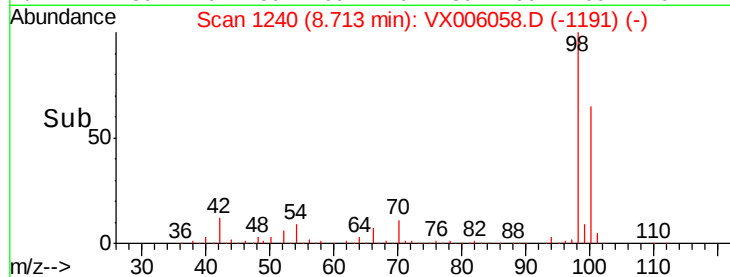
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.390 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.06 min

Lab File: VX006058.D

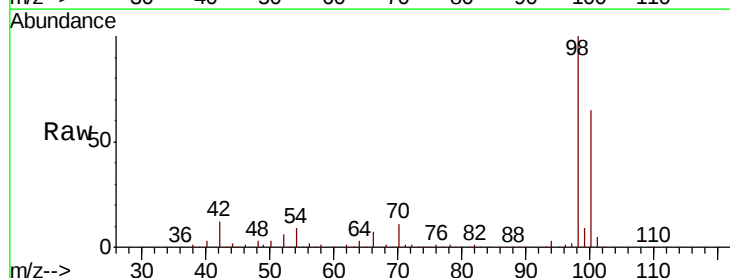
Acq: 16 Nov 2018 18:55

Tgt Ion: 43 Resp: 935

Ion Ratio Lower Upper

43 100

58 187.4 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1200

1000

800

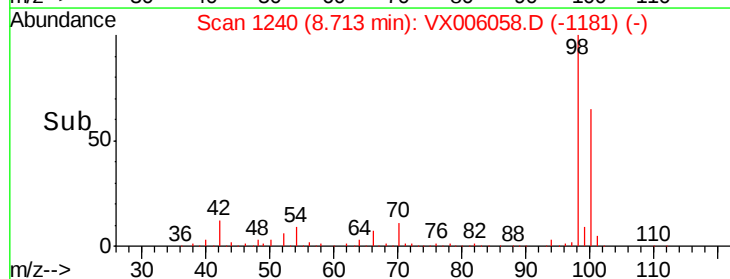
600

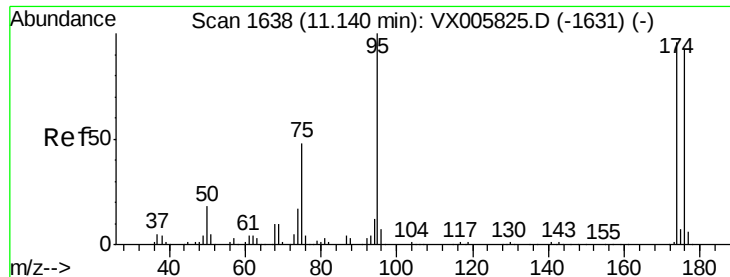
400

200

0

Time-->





#62

4-Bromofluorobenzene

Concen: 42.966 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006058.D

Acq: 16 Nov 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

MW-3-111418

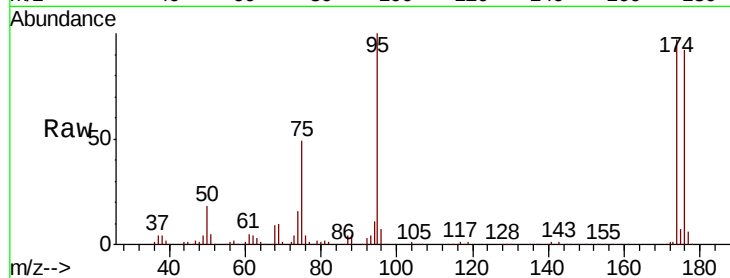
Tot Ion: 95 Resp: 72362

Ion Ratio Lower Upper

95 100

174 92.8 0.0 184.4

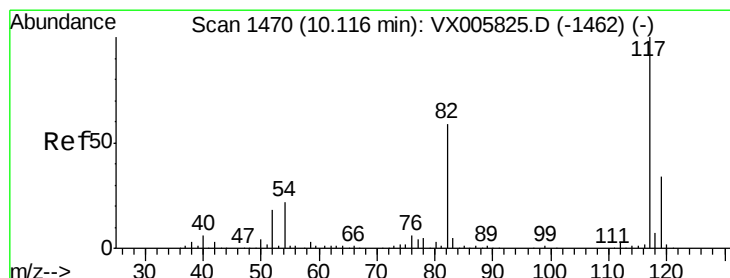
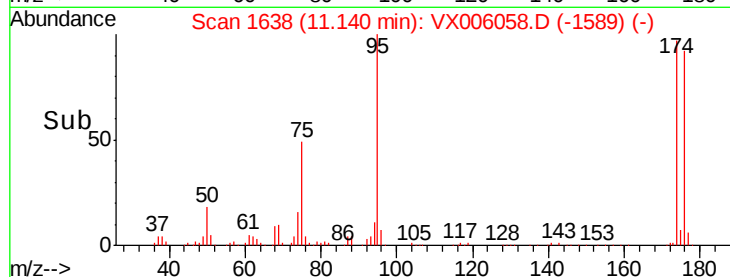
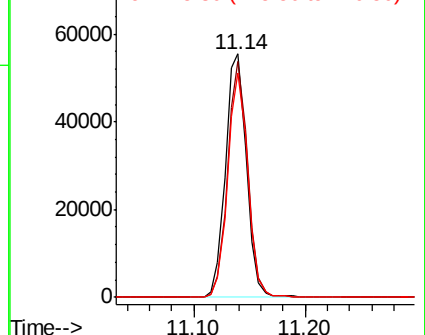
176 88.8 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX006058.D (-1589) (-)

Ion 173.80 (173.50 to 174.50): VX006058.D (-1589) (-)

Ion 175.80 (175.50 to 176.50): VX006058.D (-1589) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX006058.D

Acq: 16 Nov 2018 18:55

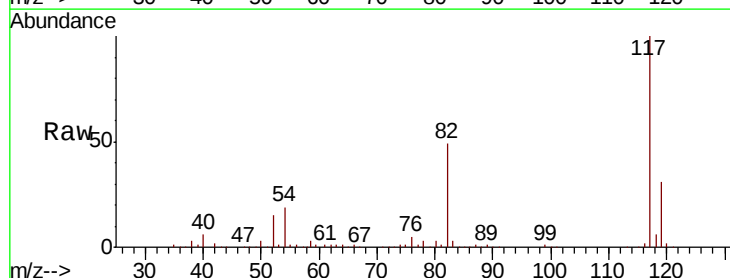
Tgt Ion: 117 Resp: 181862

Ion Ratio Lower Upper

117 100

82 48.5 44.1 66.1

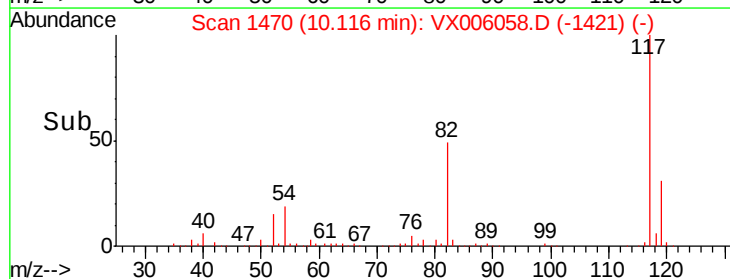
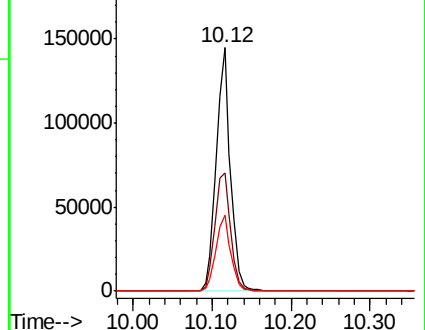
119 31.0 26.2 39.2

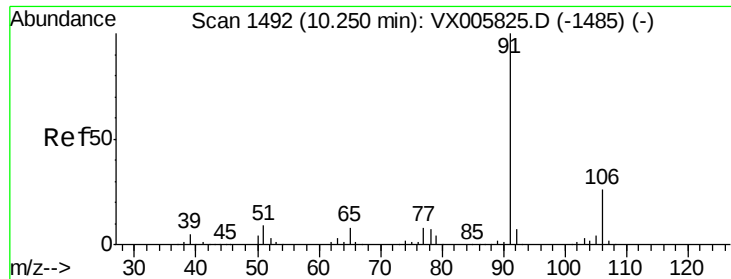


Abundance Ion 116.90 (116.60 to 117.60): VX006058.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX006058.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX006058.D (-1421) (-)

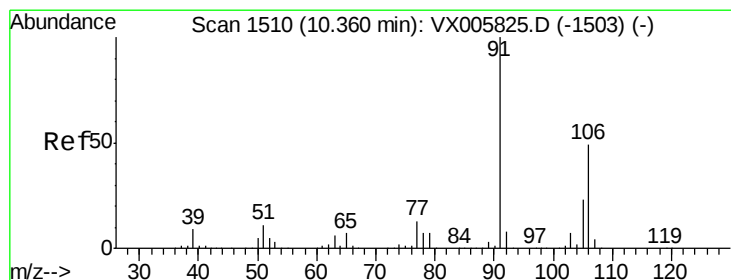
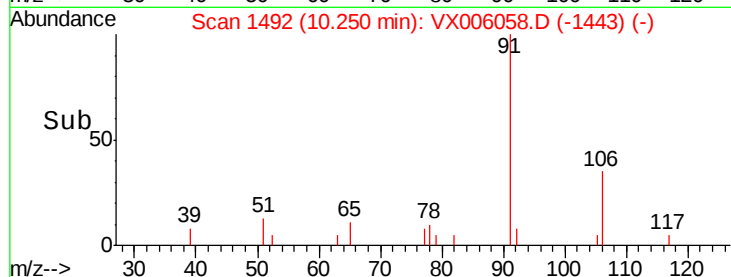
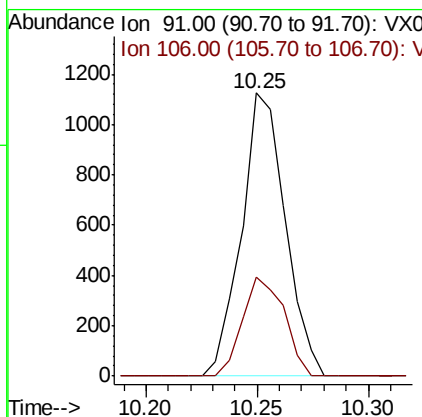
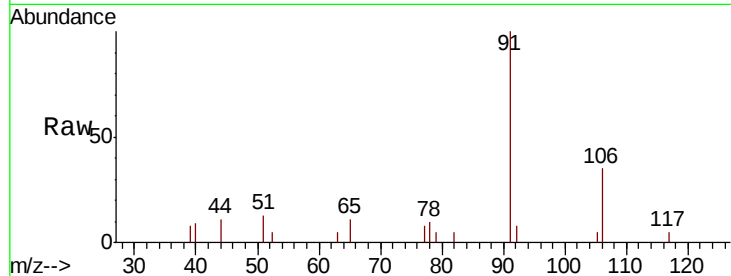




#67
Ethyl Benzene
Concen: 0.265 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX006058.D
Acq: 16 Nov 2018 18:55

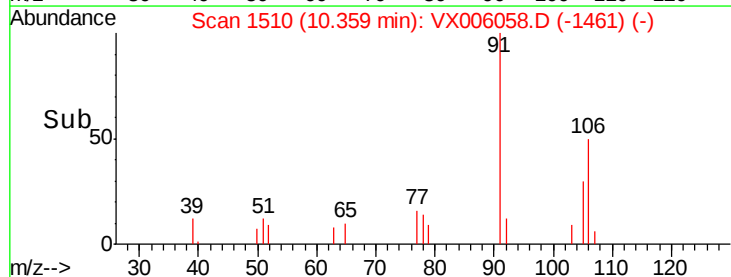
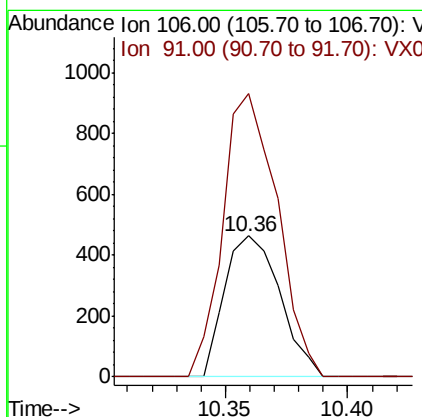
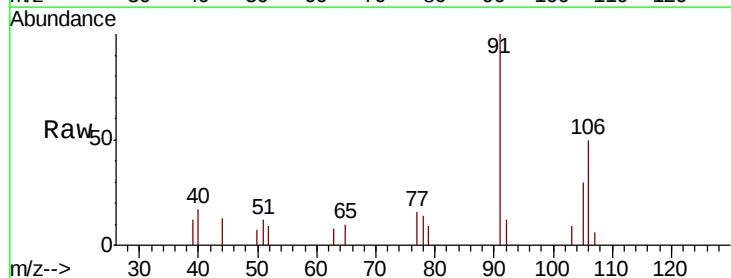
Instrument :
MSVOA_X
ClientSampleId :
MW-3-111418

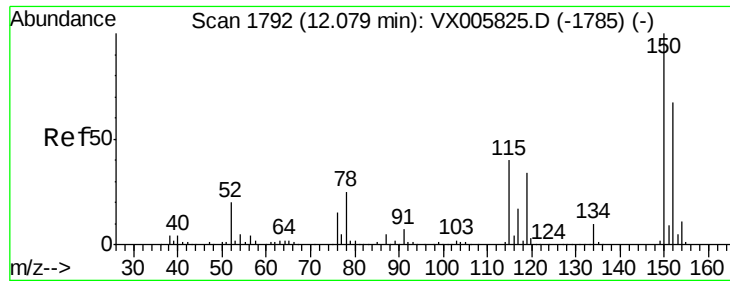
Tot Ion: 91 Resp: 1549
Ion Ratio Lower Upper
91 100
106 34.9 24.4 36.6



#68
m/p-Xylenes
Concen: 0.327 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX006058.D
Acq: 16 Nov 2018 18:55

Tgt Ion: 106 Resp: 728
Ion Ratio Lower Upper
106 100
91 197.0 164.2 246.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006058.D

Acq: 16 Nov 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

MW-3-111418

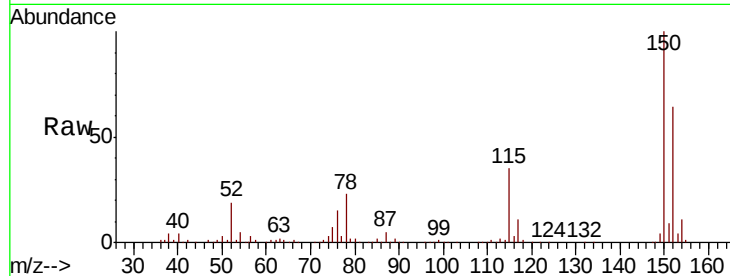
Tot Ion:152 Resp: 78361

Ion Ratio Lower Upper

152 100

115 55.1 39.4 118.1

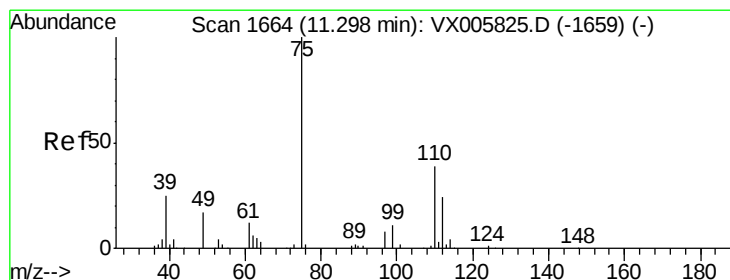
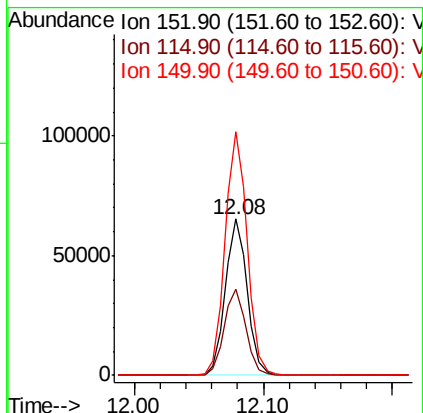
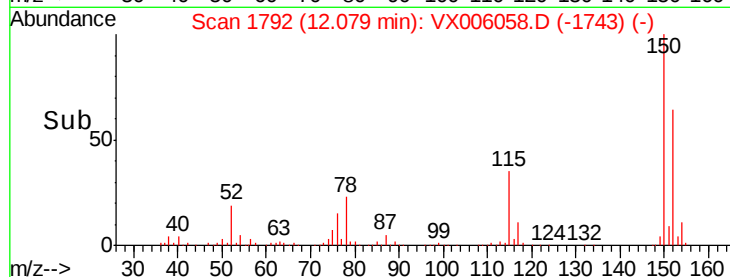
150 157.1 0.0 346.4



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: 22.155 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX006058.D

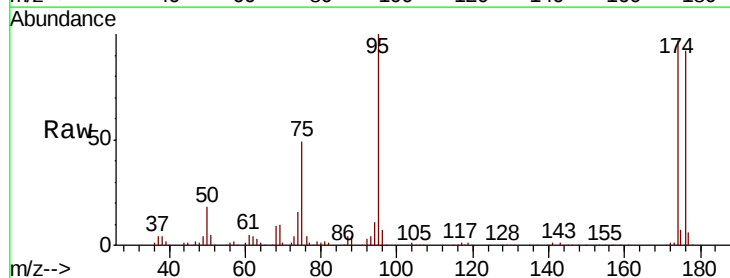
Acq: 16 Nov 2018 18:55

Tgt Ion: 75 Resp: 35351

Ion Ratio Lower Upper

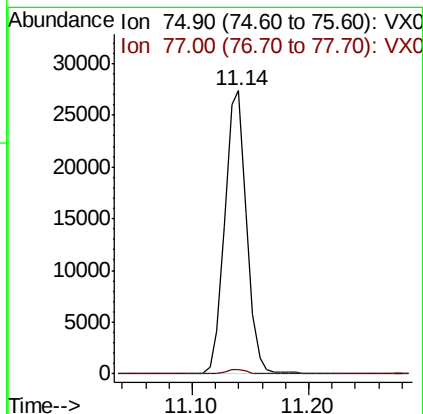
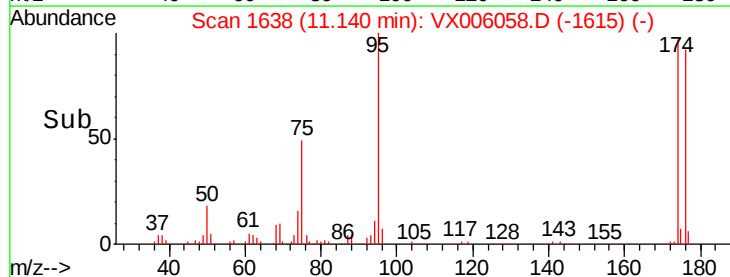
75 100

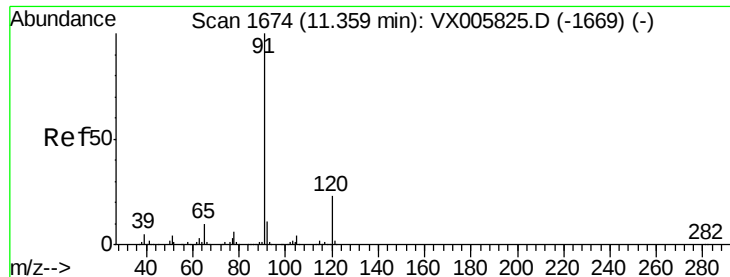
77 1.4 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.205 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006058.D

Acq: 16 Nov 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

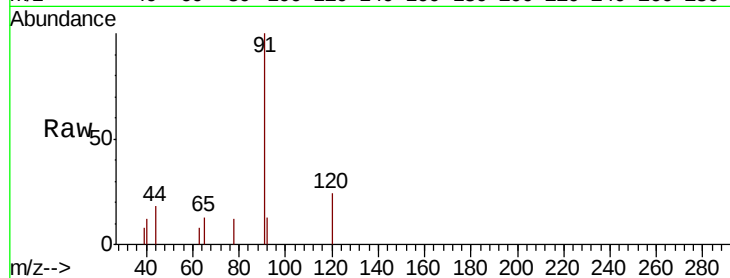
MW-3-111418

Tot Ion: 91 Resp: 1095

Ion Ratio Lower Upper

91 100

120 19.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.36

800

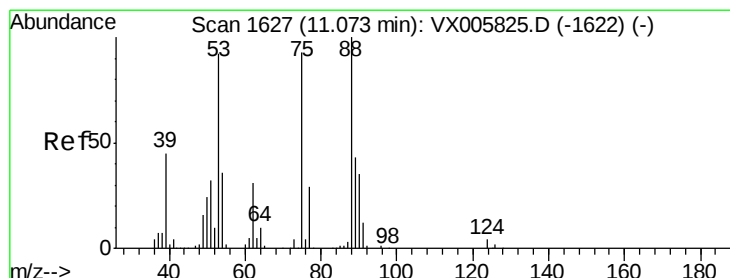
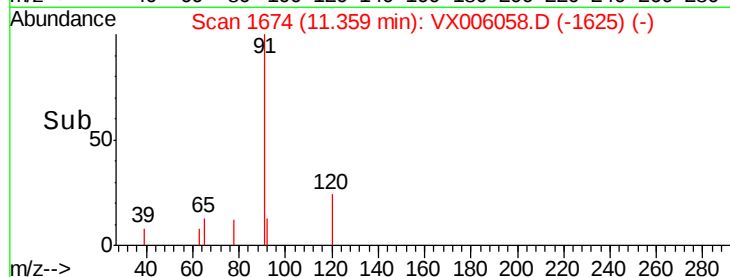
600

400

200

0

Time--> 11.30 11.35 11.40



#81

trans-1,4-Dichloro-2-butene

Concen: 70.613 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX006058.D

Acq: 16 Nov 2018 18:55

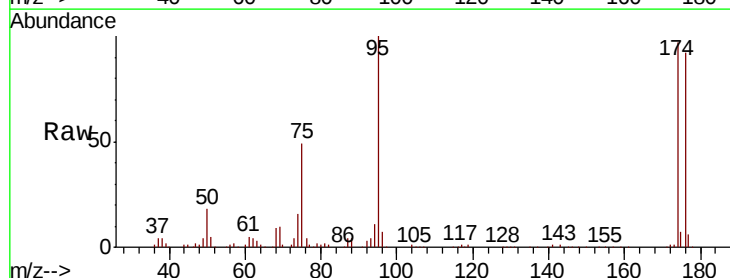
Tgt Ion: 75 Resp: 35351

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

89 0.0 39.8 59.8#



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

11.14

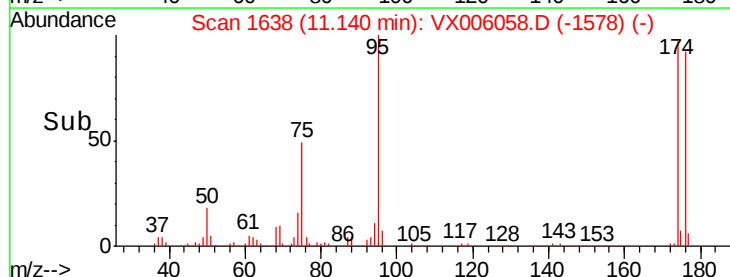
30000

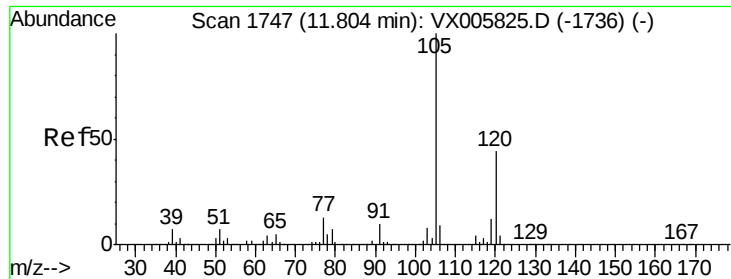
20000

10000

0

Time--> 11.10 11.20

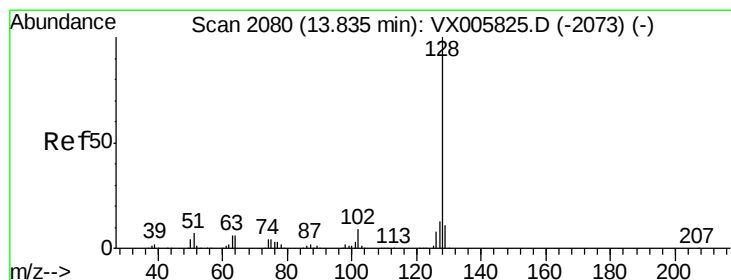
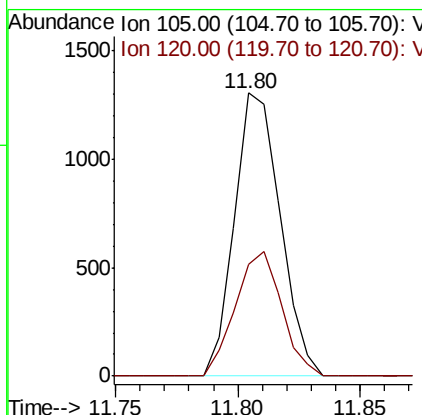
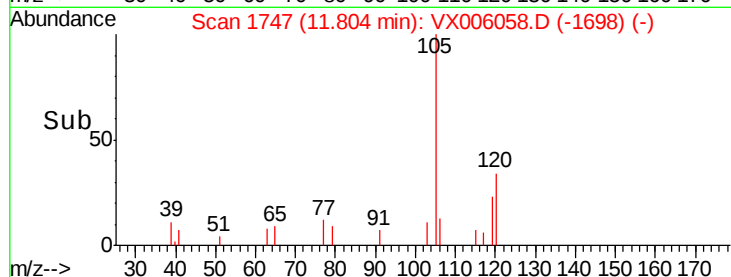
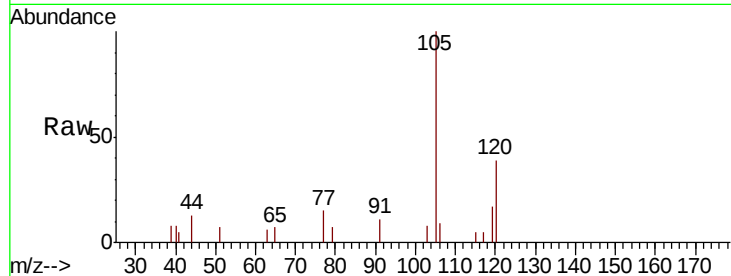




#84
 1,2,4-Trimethylbenzene
 Concen: 0.281 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX006058.D
 Acq: 16 Nov 2018 18:55

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3-111418

Tot Ion:105 Resp: 1699
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.4 67.0



#95
 Naphthalene
 Concen: 1.598 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX006058.D
 Acq: 16 Nov 2018 18:55

Tgt Ion:128 Resp: 2430
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.4 15.6
 129 10.9 8.7 13.1

