

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111618\
 Data File : VX006054.D
 Acq On : 16 Nov 2018 17:08
 Operator : JC/MD
 Sample : J5965-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

Quant Time: Nov 17 00:44:46 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	134695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	195195	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	178846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	77318	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	80804	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	
35) Dibromofluoromethane	5.50	113	64788	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
50) Toluene-d8	8.71	98	217537	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	11.14	95	71792	45.24	ug/l	0.00
Spiked Amount			Recovery	=	90.48%	

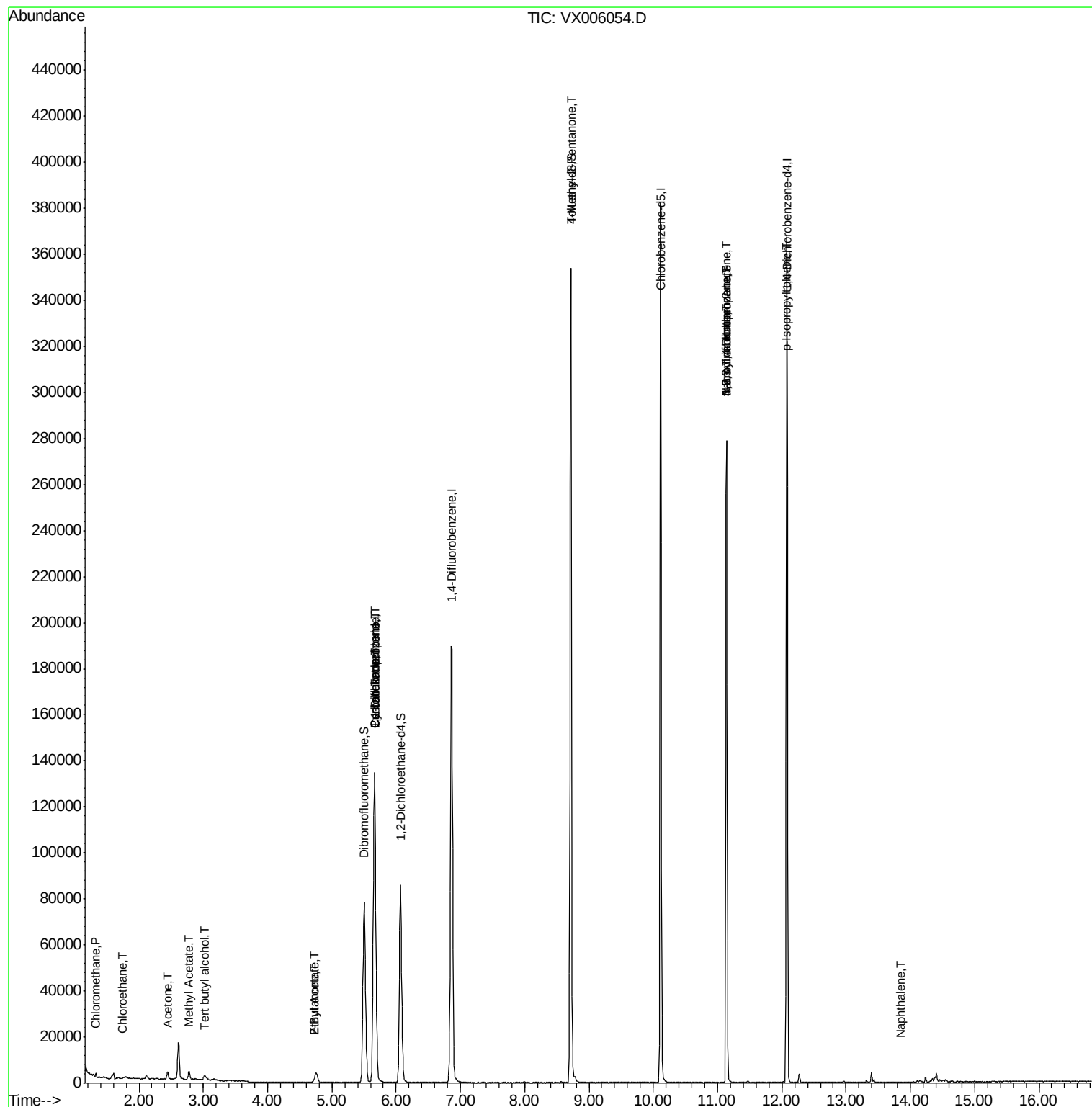
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1171	0.735	ug/l	98
6) Chloroethane	1.75	64	1642	1.720	ug/l #	42
11) Tert butyl alcohol	3.02	59	2007	4.524	ug/l #	72
16) Acetone	2.45	43	3675	4.408	ug/l	99
18) Methyl Acetate	2.78	43	4257	0.435	ug/l	94
25) 2-Butanone	4.71	43	979	0.747	ug/l	98
31) Cyclohexane	5.67	56	2237	1.037	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	9263	4.923	ug/l #	49
37) Ethyl Acetate	4.71	43	979	0.396	ug/l #	69
38) Carbon Tetrachloride	5.66	117	12401	6.583	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	971	0.430	ug/l #	1
74) N-amyl acetate	11.14	43	26	1.261	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	35047	22.261	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	35047	70.950	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	118	Below Cal	#	31
86) p-Isopropyltoluene	12.07	119	1619	0.389	ug/l #	82
95) Naphthalene	13.84	128	132	1.201	ug/l #	69

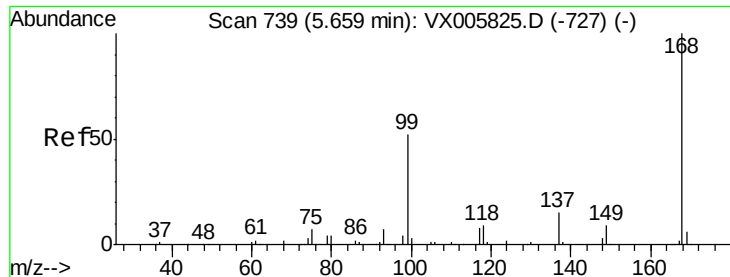
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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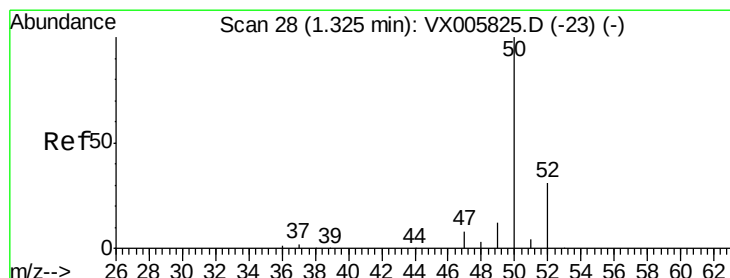
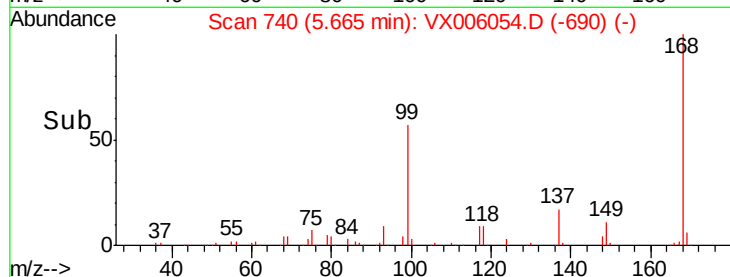
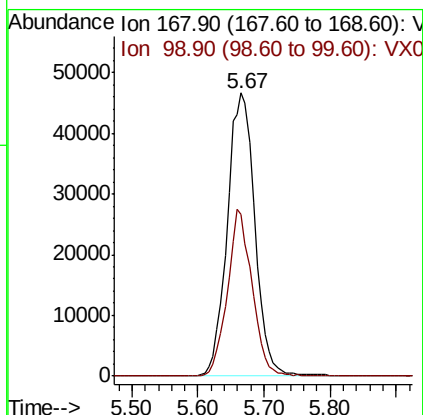
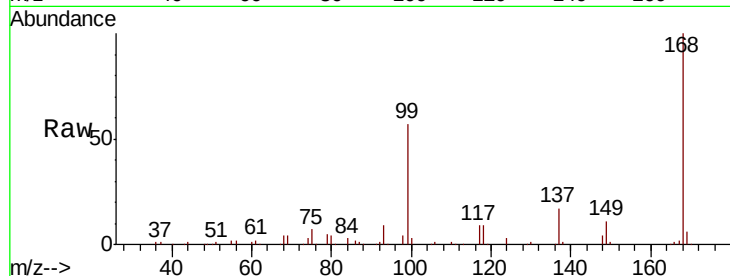




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX006054.D
Acq: 16 Nov 2018 17:08

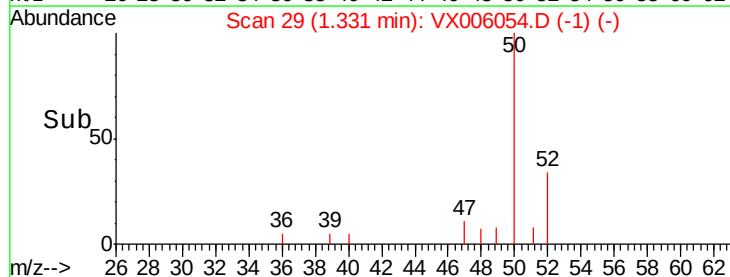
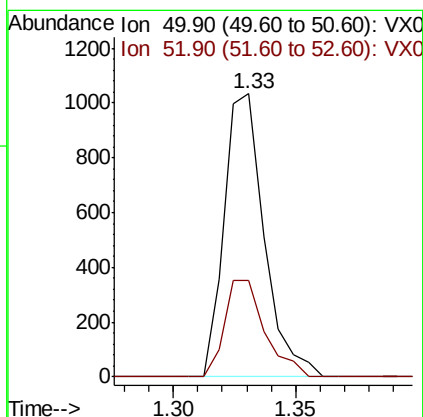
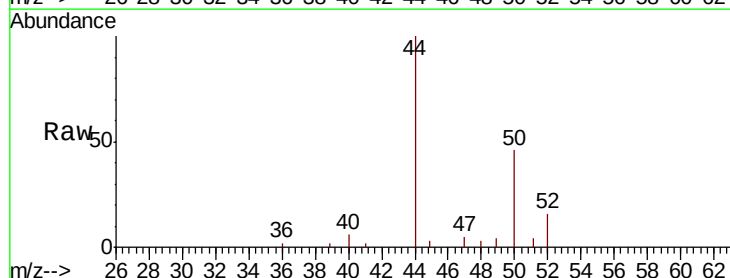
Instrument :
MSVOA_X
ClientSampled :
MW-6

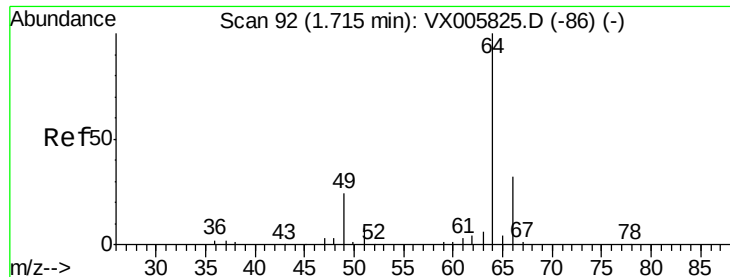
Tot Ion:168 Resp: 134695
Ion Ratio Lower Upper
168 100
99 57.0 40.7 61.1



#3
Chloromethane
Concen: 0.735 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.01 min
Lab File: VX006054.D
Acq: 16 Nov 2018 17:08

Tgt Ion: 50 Resp: 1171
Ion Ratio Lower Upper
50 100
52 33.9 26.2 39.2





#6

Chloroethane

Concen: 1.720 ug/l

RT: 1.75 min Scan# 97

Delta R.T. 0.03 min

Lab File: VX006054.D

Acq: 16 Nov 2018 17:08

Instrument :

MSVOA_X

ClientSampled :

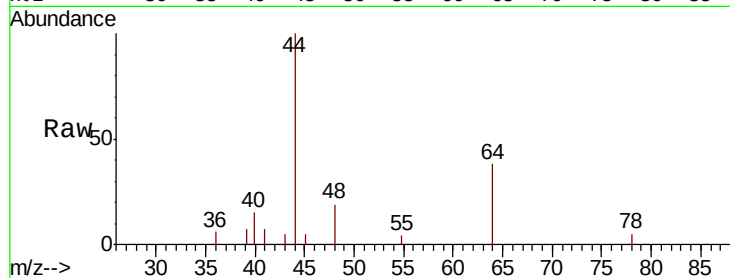
MW-6

Tot Ion: 64 Resp: 1642

Ion Ratio Lower Upper

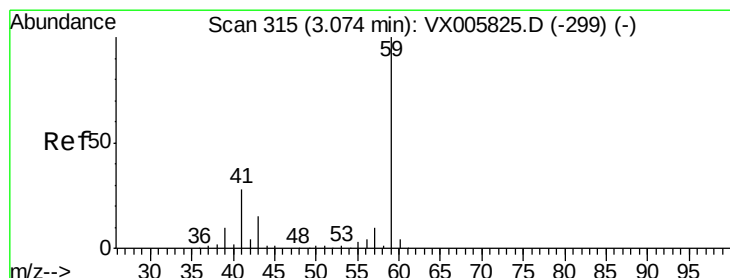
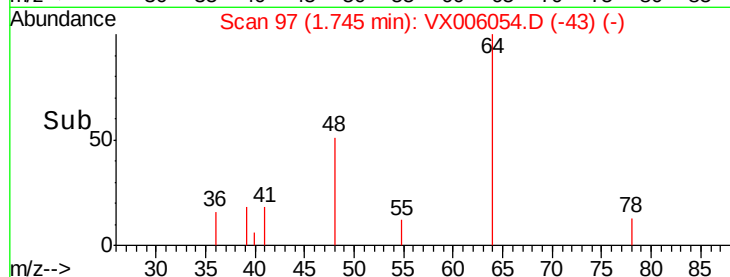
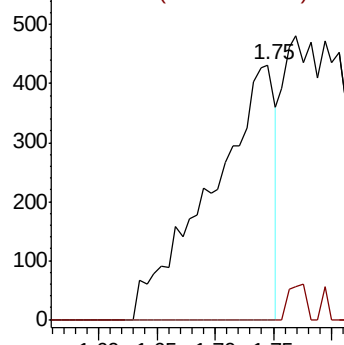
64 100

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: 4.524 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.05 min

Lab File: VX006054.D

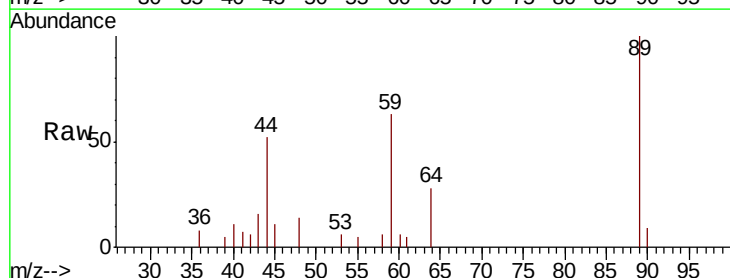
Acq: 16 Nov 2018 17:08

Tgt Ion: 59 Resp: 2007

Ion Ratio Lower Upper

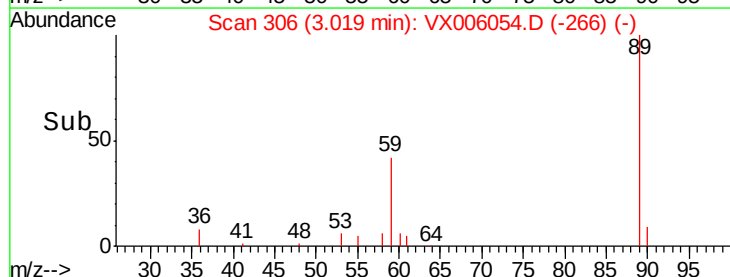
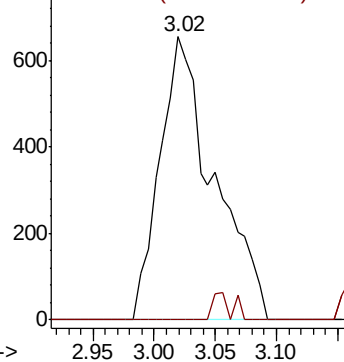
59 100

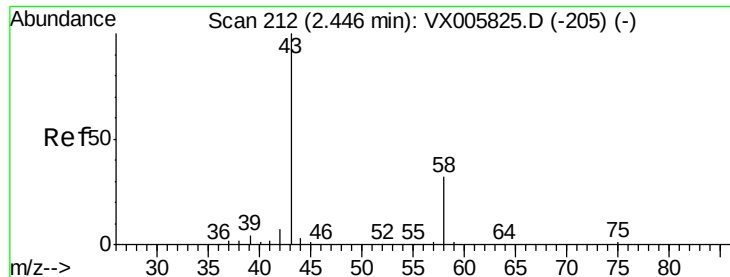
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 4.408 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006054.D

Acq: 16 Nov 2018 17:08

Instrument :

MSVOA_X

ClientSampled :

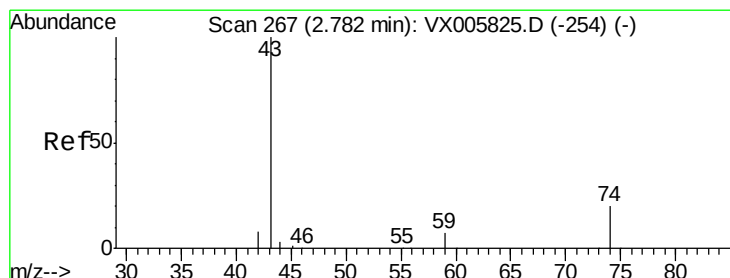
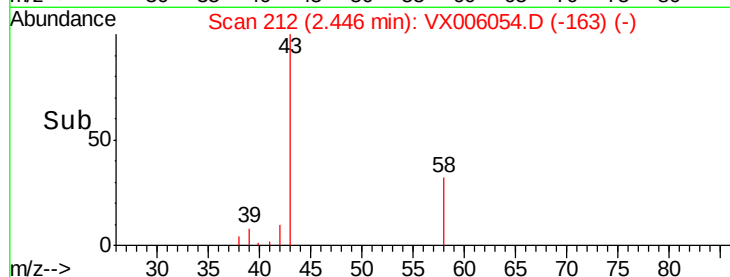
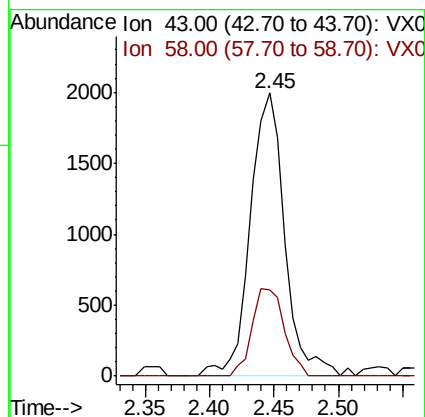
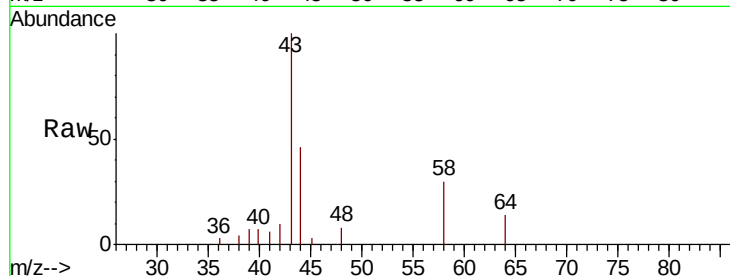
MW-6

Tot Ion: 43 Resp: 3675

Ion Ratio Lower Upper

43 100

58 30.5 23.8 35.6



#18

Methyl Acetate

Concen: 0.435 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX006054.D

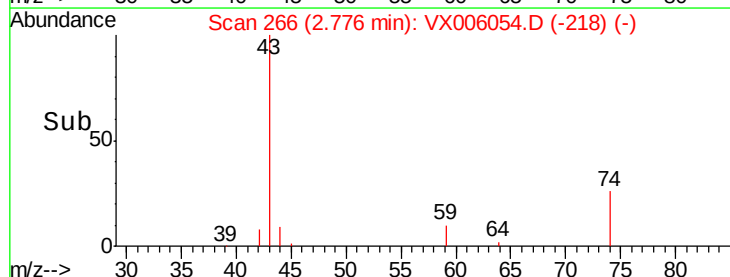
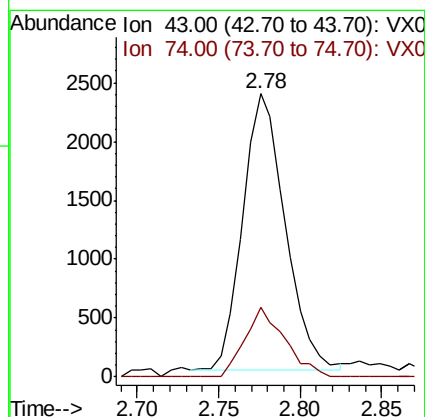
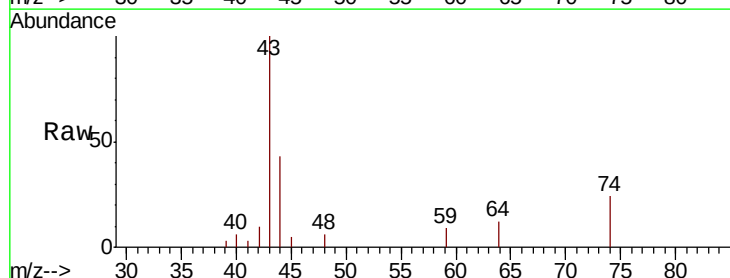
Acq: 16 Nov 2018 17:08

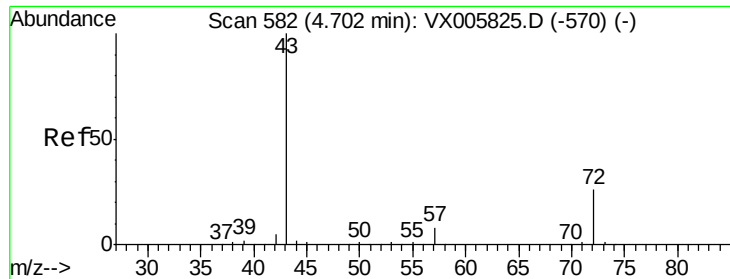
Tgt Ion: 43 Resp: 4257

Ion Ratio Lower Upper

43 100

74 23.7 16.8 25.2





#25

2-Butanone

Concen: 0.747 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX006054.D

Acq: 16 Nov 2018 17:08

Instrument :

MSVOA_X

ClientSampled :

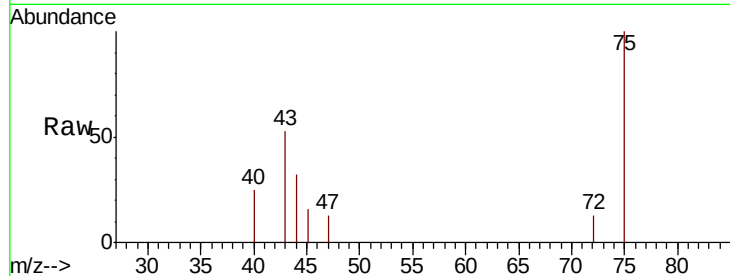
MW-6

Tot Ion: 43 Resp: 979

Ion Ratio Lower Upper

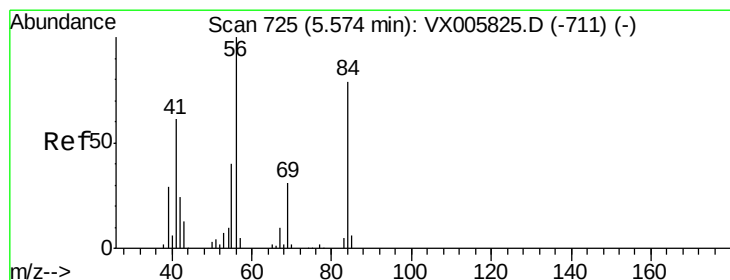
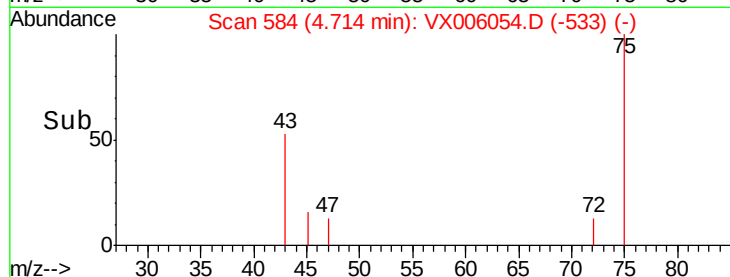
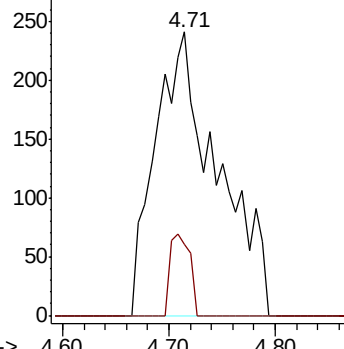
43 100

72 24.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.037 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX006054.D

Acq: 16 Nov 2018 17:08

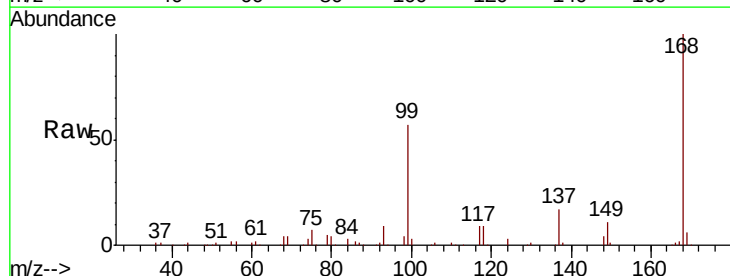
Tgt Ion: 56 Resp: 2237

Ion Ratio Lower Upper

56 100

69 192.2 22.6 34.0#

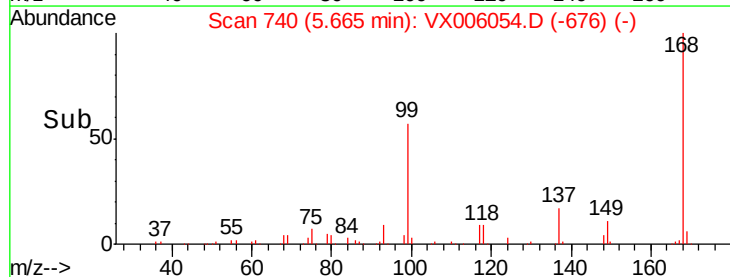
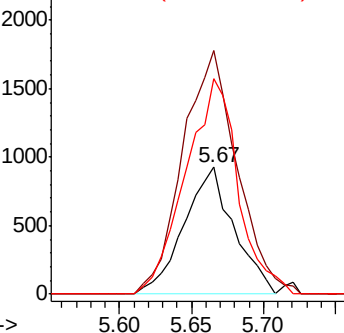
84 170.3 62.7 94.1#

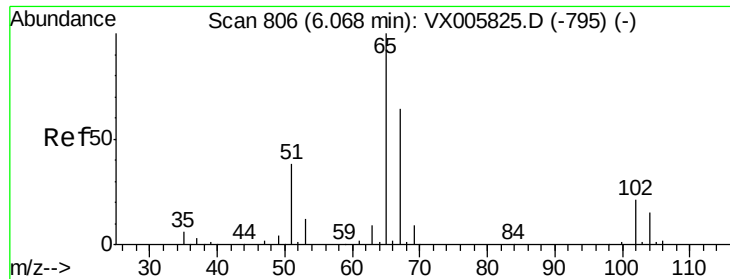


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

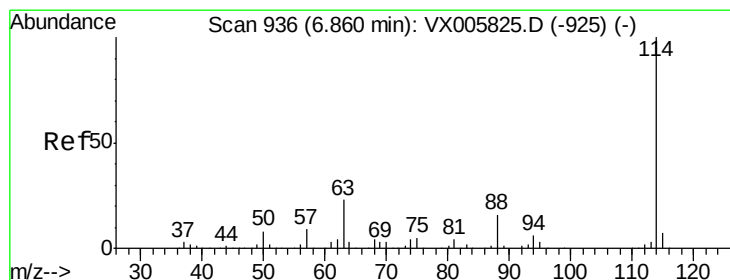
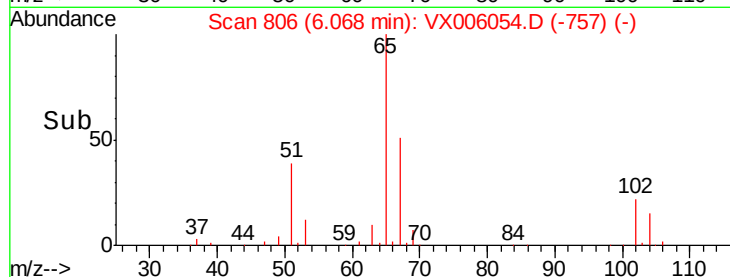
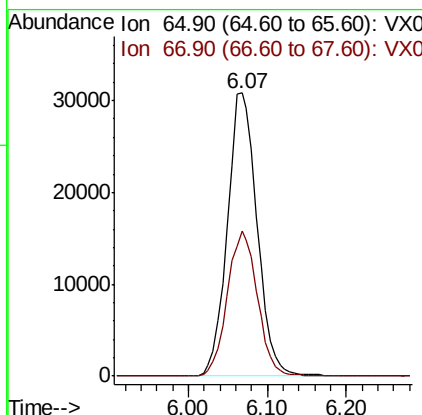
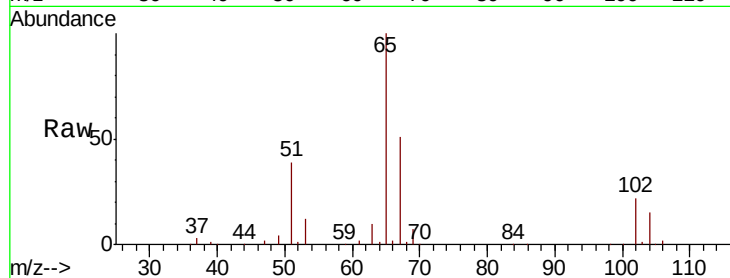




#33
 1,2-Dichloroethane-d4
 Concen: 52.182 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006054.D
 Acq: 16 Nov 2018 17:08

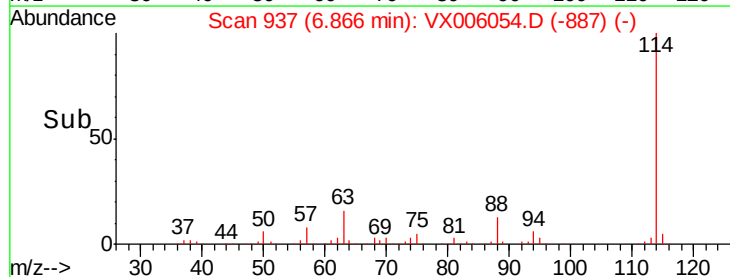
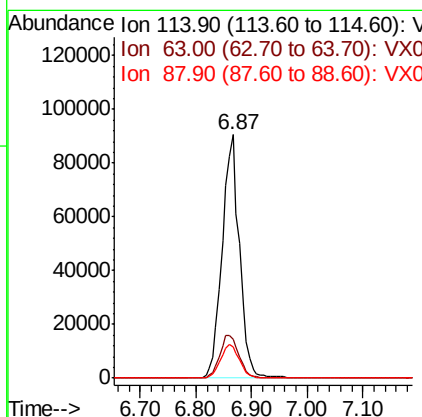
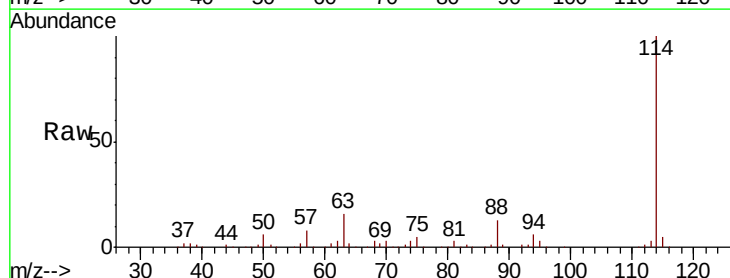
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 MW-6

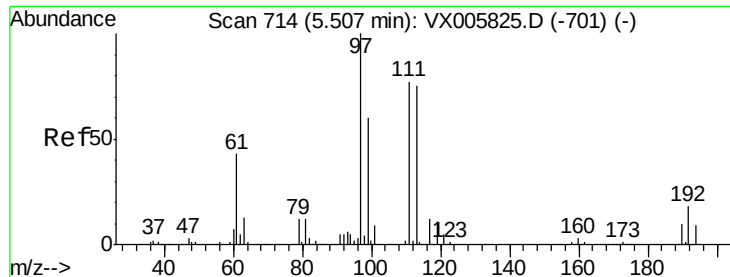
Tot Ion: 65 Resp: 80804
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX006054.D
 Acq: 16 Nov 2018 17:08

Tgt Ion: 114 Resp: 195195
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 42.8
 88 13.0 0.0 31.2





#35

Dibromofluoromethane

Concen: 48.800 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX006054.D

Acq: 16 Nov 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

MW-6

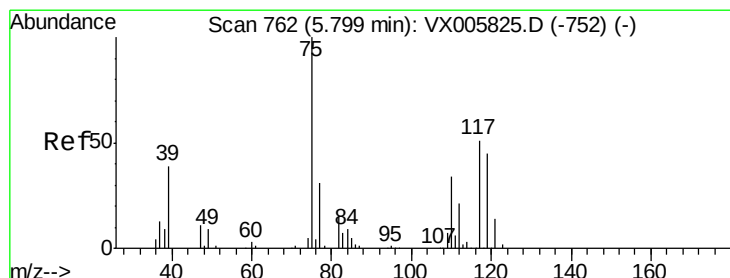
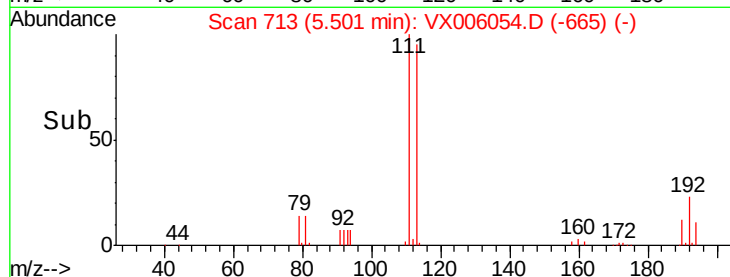
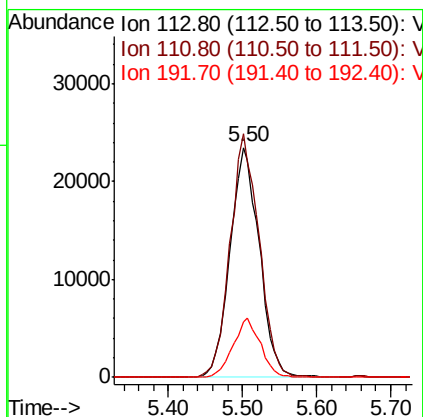
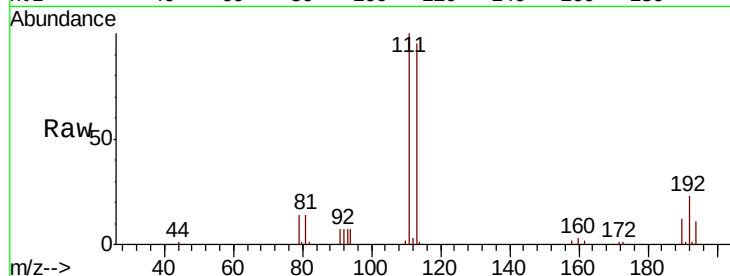
Tot Ion:113 Resp: 64788

Ion Ratio Lower Upper

113 100

111 104.7 82.3 123.5

192 24.0 17.9 26.9



#36

1,1-Dichloropropene

Concen: 4.923 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006054.D

Acq: 16 Nov 2018 17:08

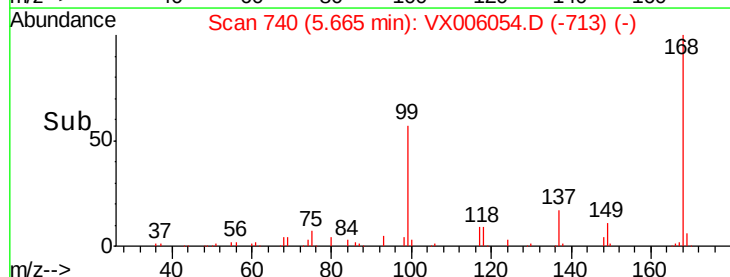
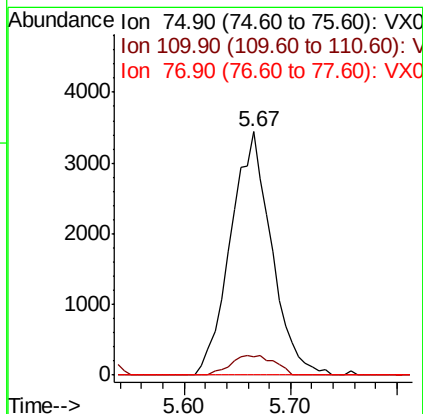
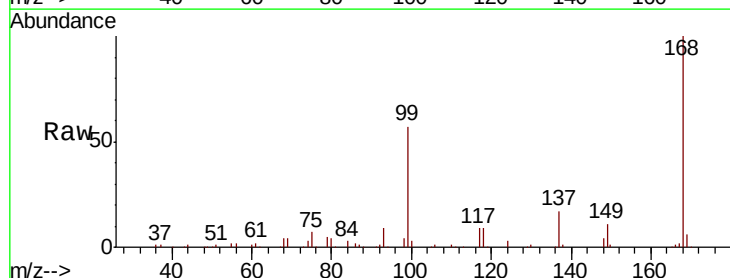
Tgt Ion: 75 Resp: 9263

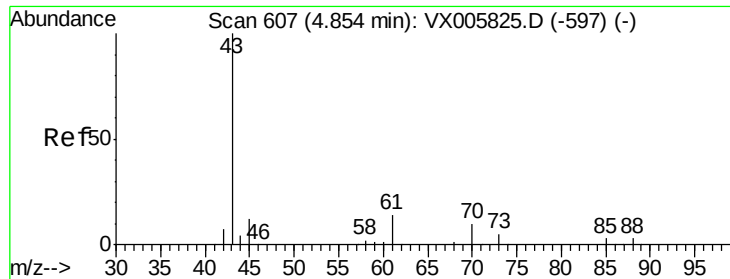
Ion Ratio Lower Upper

75 100

110 8.6 17.4 52.2#

77 0.0 25.8 38.6#

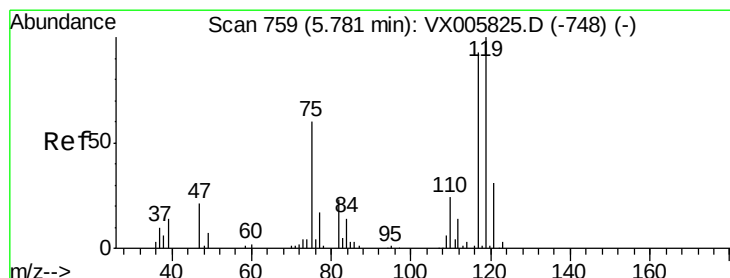
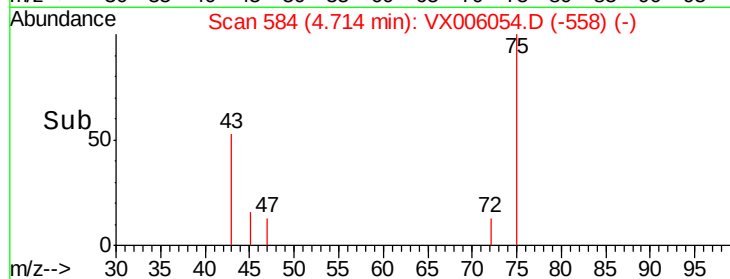
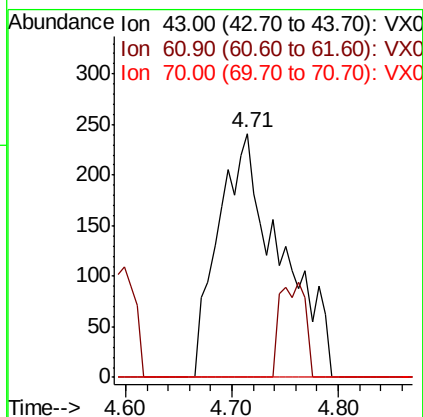
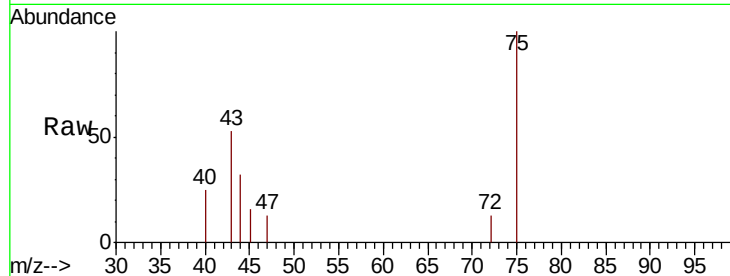




#37
Ethyl Acetate
Concen: 0.396 ug/l
RT: 4.71 min Scan# 584
Delta R.T. -0.14 min
Lab File: VX006054.D
Acq: 16 Nov 2018 17:08

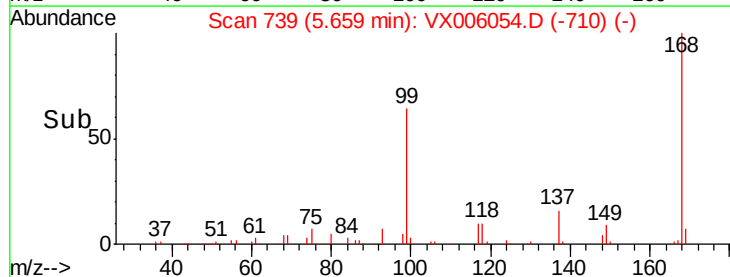
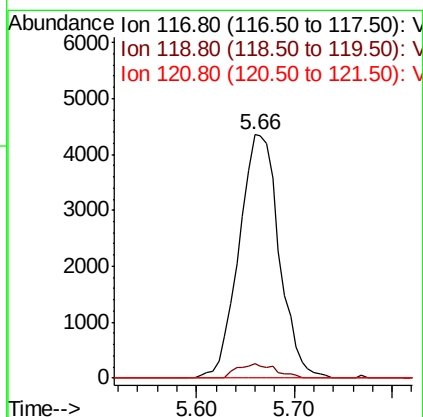
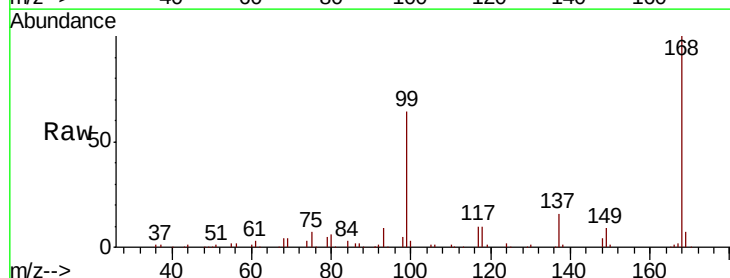
Instrument :
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MW-6

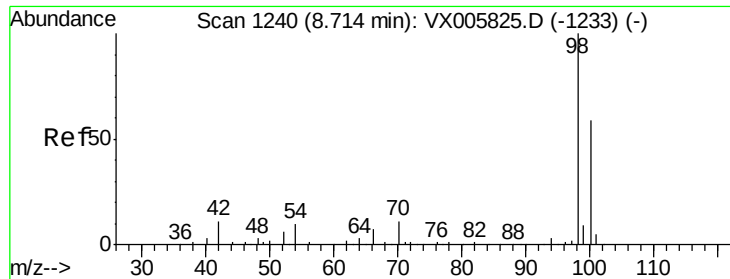
Tot Ion: 43 Resp: 979
Ion Ratio Lower Upper
43 100
61 0.0 10.8 16.2#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 6.583 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX006054.D
Acq: 16 Nov 2018 17:08

Tgt Ion: 117 Resp: 12401
Ion Ratio Lower Upper
117 100
119 5.8 78.1 117.1#
121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 49.286 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006054.D

Acq: 16 Nov 2018 17:08

Instrument :

MSVOA_X

ClientSampled :

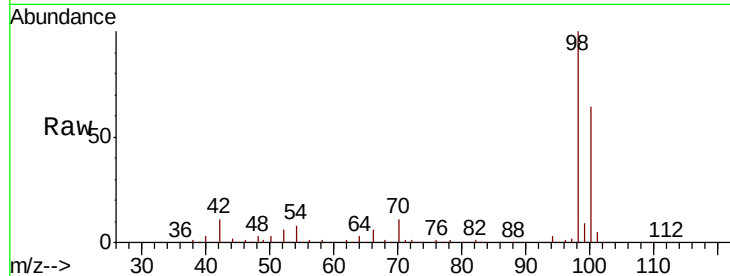
MW-6

Tot Ion: 98 Resp: 217537

Ion Ratio Lower Upper

98 100

100 64.9 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

150000

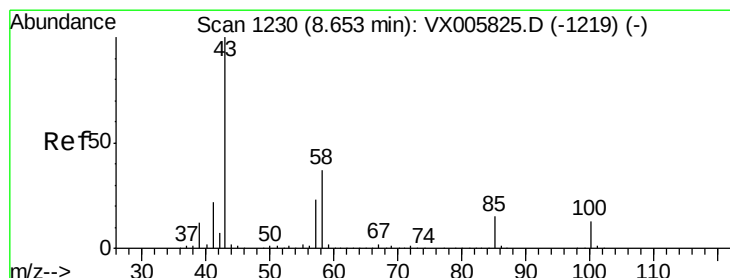
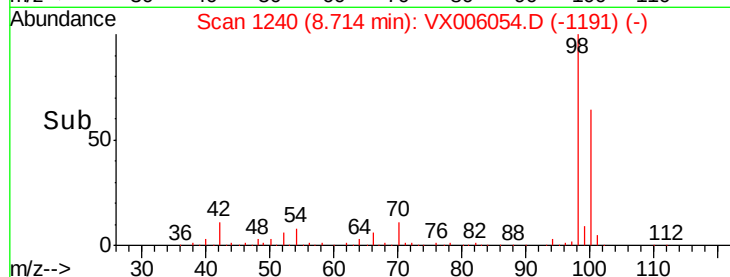
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.430 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.06 min

Lab File: VX006054.D

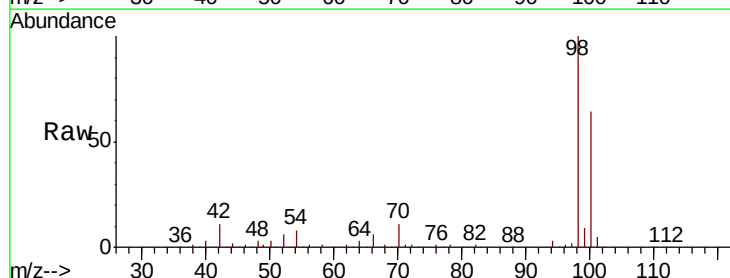
Acq: 16 Nov 2018 17:08

Tgt Ion: 43 Resp: 971

Ion Ratio Lower Upper

43 100

58 186.3 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

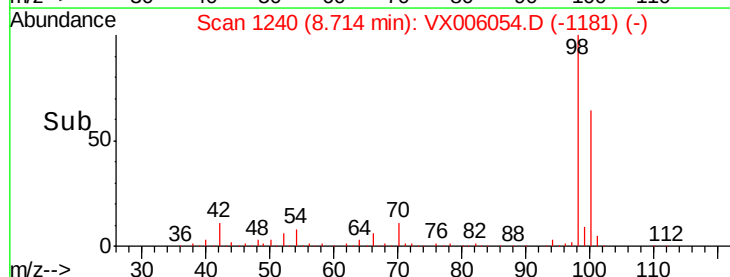
1000

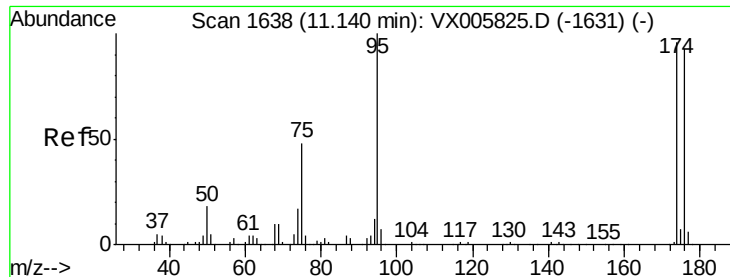
500

0

8.65 8.70 8.75

Time-->

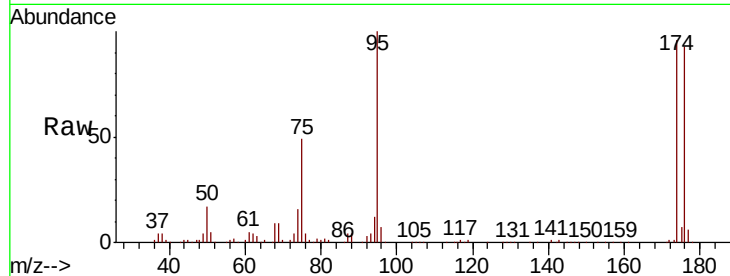




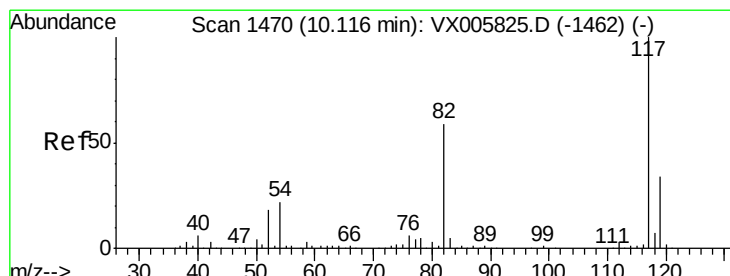
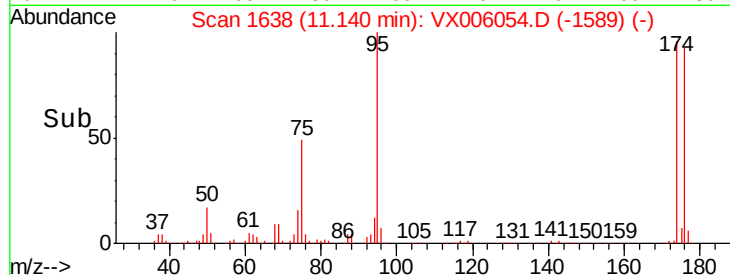
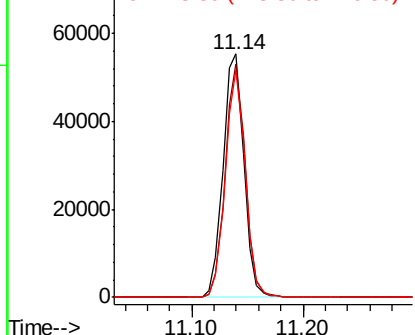
#62
4-Bromofluorobenzene
Concen: 45.240 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX006054.D
Acq: 16 Nov 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
MW-6

Tot Ion: 95 Resp: 71792
Ion Ratio Lower Upper
95 100
174 92.2 0.0 184.4
176 89.2 0.0 177.4

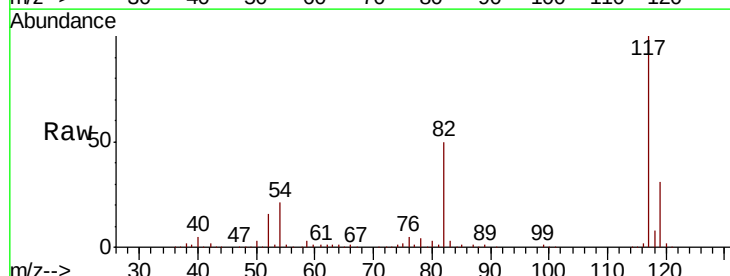


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

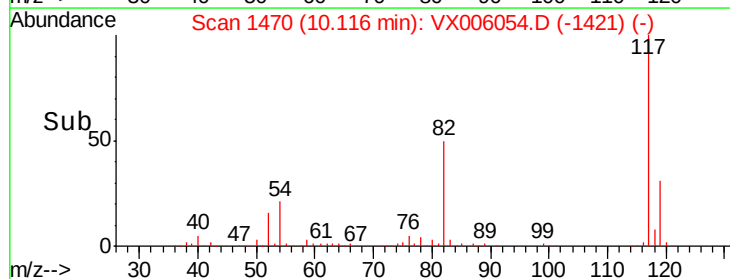
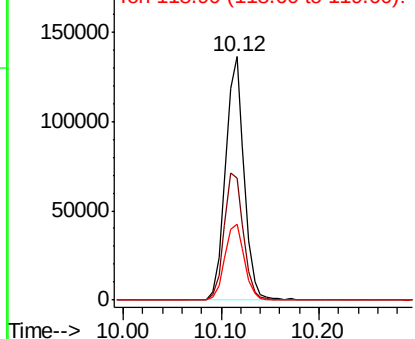


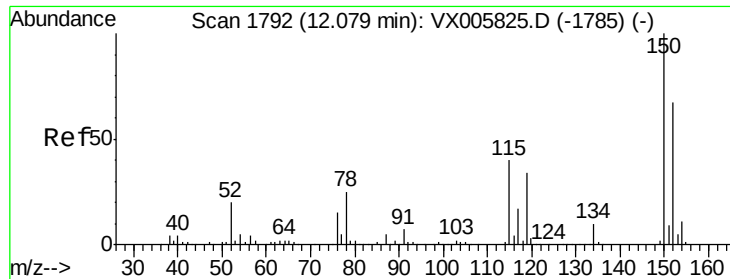
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006054.D
Acq: 16 Nov 2018 17:08

Tgt Ion: 117 Resp: 178846
Ion Ratio Lower Upper
117 100
82 50.0 44.1 66.1
119 31.3 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

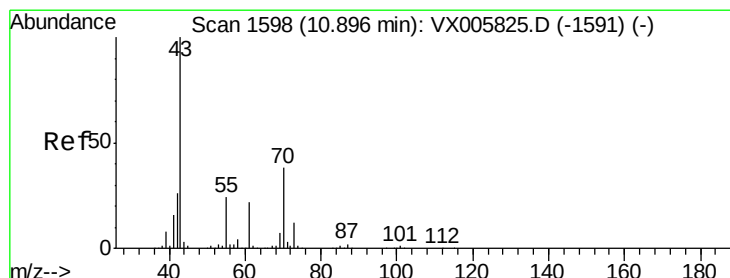
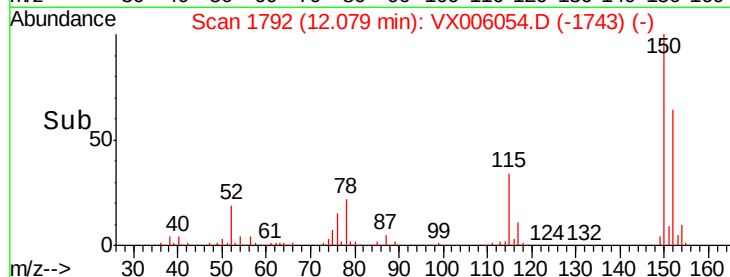
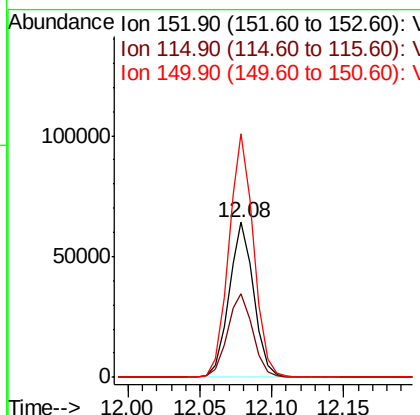
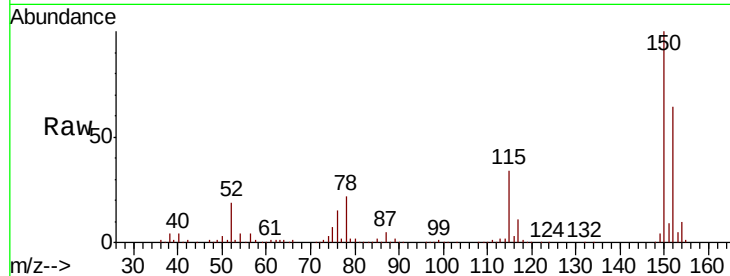




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX006054.D
 Acq: 16 Nov 2018 17:08

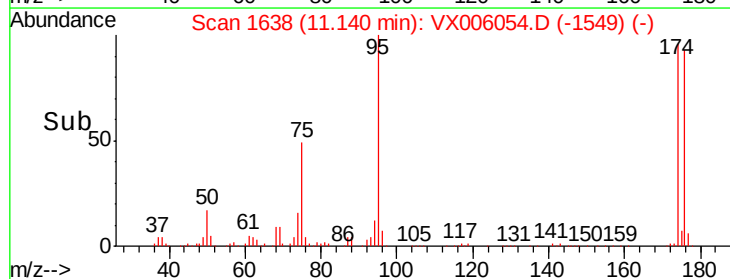
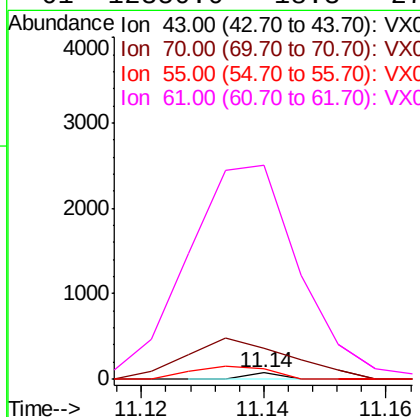
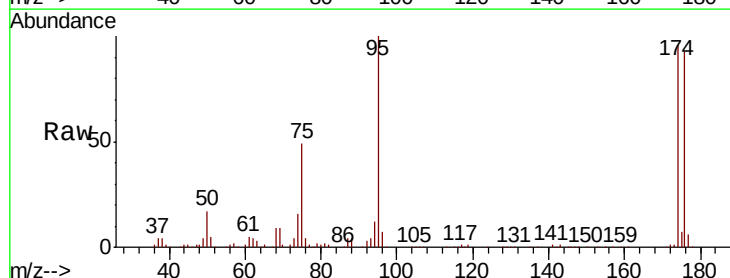
Instrument :
 MSVOA_X
 ClientSampled :
 MW-6

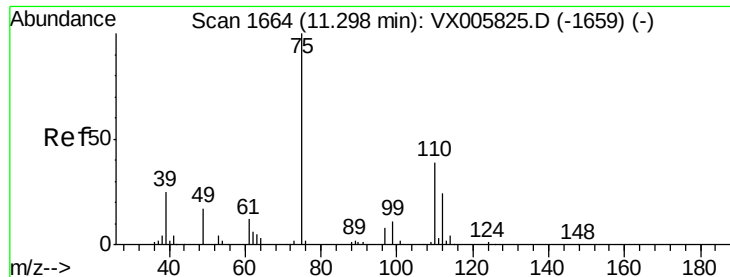
Tot Ion:152 Resp: 77318
 Ion Ratio Lower Upper
 152 100
 115 55.6 39.4 118.1
 150 157.5 0.0 346.4



#74
 N-ethyl acetate
 Concen: 1.261 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.24 min
 Lab File: VX006054.D
 Acq: 16 Nov 2018 17:08

Tgt Ion: 43 Resp: 26
 Ion Ratio Lower Upper
 43 100
 70 2146.2 31.6 47.4#
 55 500.0 19.7 29.5#
 61 12350.0 18.3 27.5#

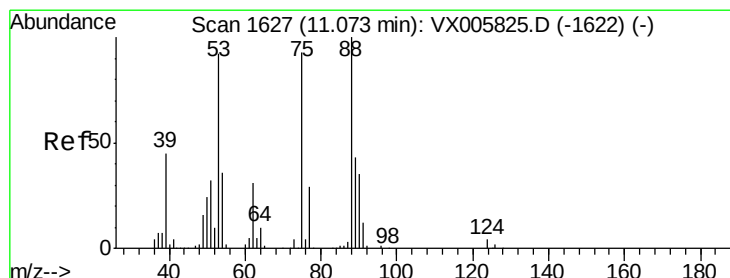
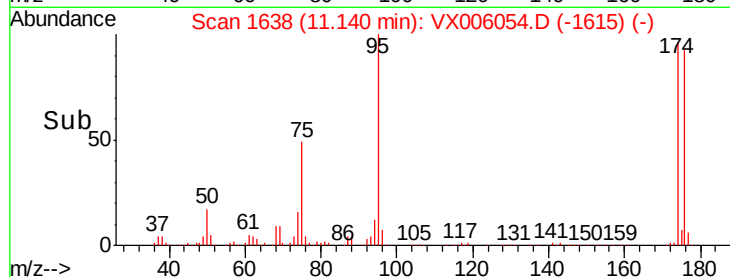
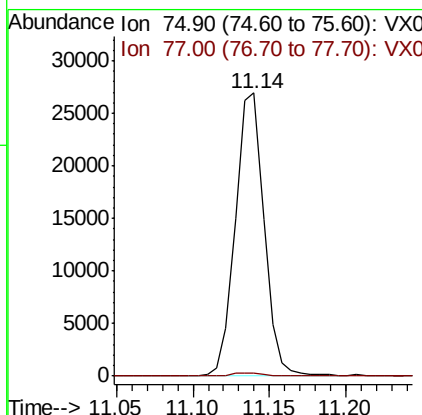
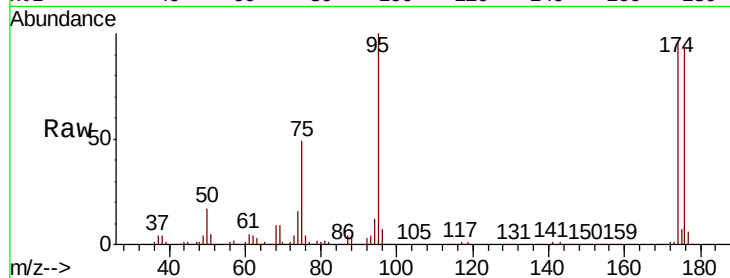




#76
 1,2,3-Trichloropropane
 Concen: 22.261 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX006054.D
 Acq: 16 Nov 2018 17:08

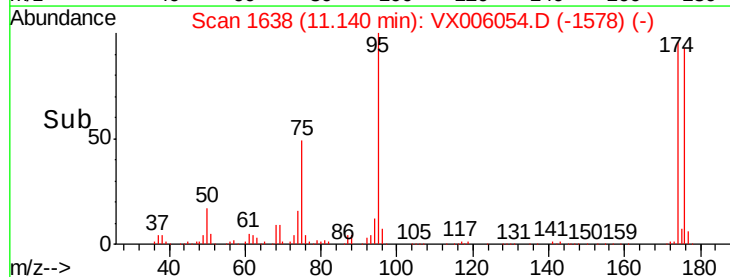
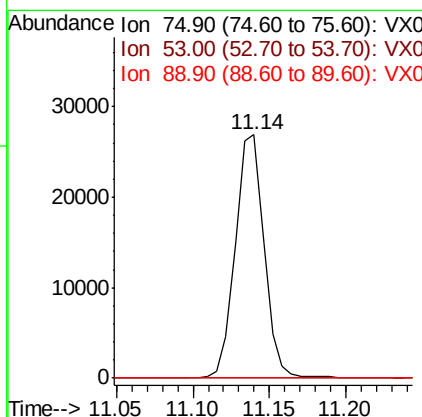
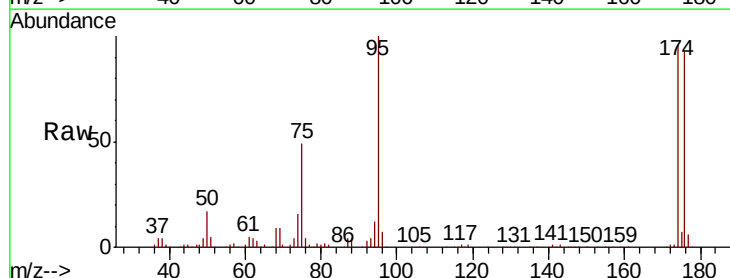
Instrument :
 MSVOA_X
 ClientSampled :
 MW-6

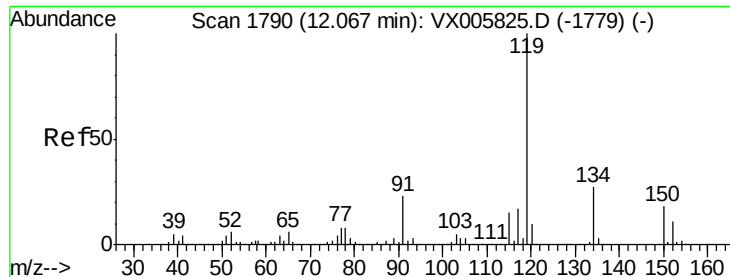
Tot Ion: 75 Resp: 35047
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.5 61.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.950 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX006054.D
 Acq: 16 Nov 2018 17:08

Tgt Ion: 75 Resp: 35047
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.2 120.2#
 89 0.0 39.8 59.8#

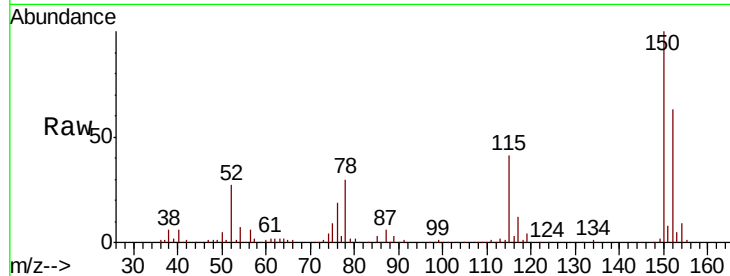




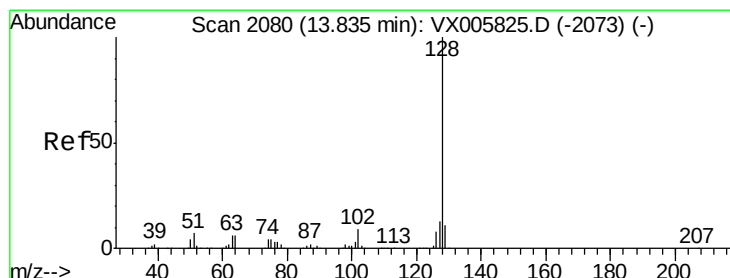
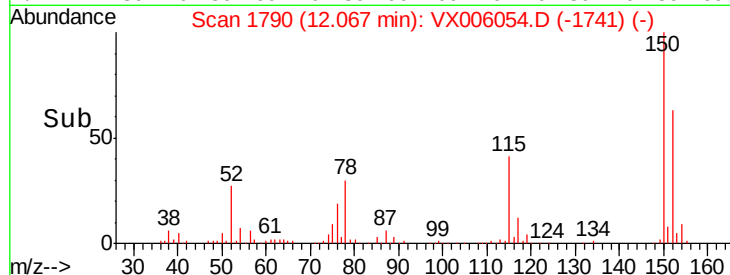
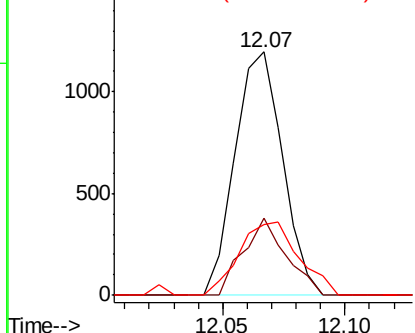
#86
p-Isopropyltoluene
Concen: 0.389 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX006054.D
Acq: 16 Nov 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
MW-6

Tot Ion:119 Resp: 1619
Ion Ratio Lower Upper
119 100
134 28.8 13.0 39.0
91 38.0 11.4 34.2#

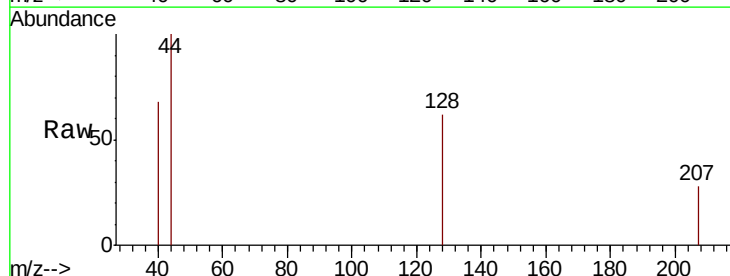


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V



#95
Naphthalene
Concen: 1.201 ug/l
RT: 13.84 min Scan# 2081
Delta R.T. 0.01 min
Lab File: VX006054.D
Acq: 16 Nov 2018 17:08

Tgt Ion:128 Resp: 132
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.7 13.1#



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

