

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111618\
 Data File : VX006053.D
 Acq On : 16 Nov 2018 16:42
 Operator : JC/MD
 Sample : J5965-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

Quant Time: Nov 17 00:44:34 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	138944	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.87	114	190325	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	180459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	78276	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	79132	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
35) Dibromofluoromethane	5.51	113	66879	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
50) Toluene-d8	8.71	98	218688	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	11.14	95	71327	46.10	ug/l	0.00
Spiked Amount			Recovery	=	92.20%	

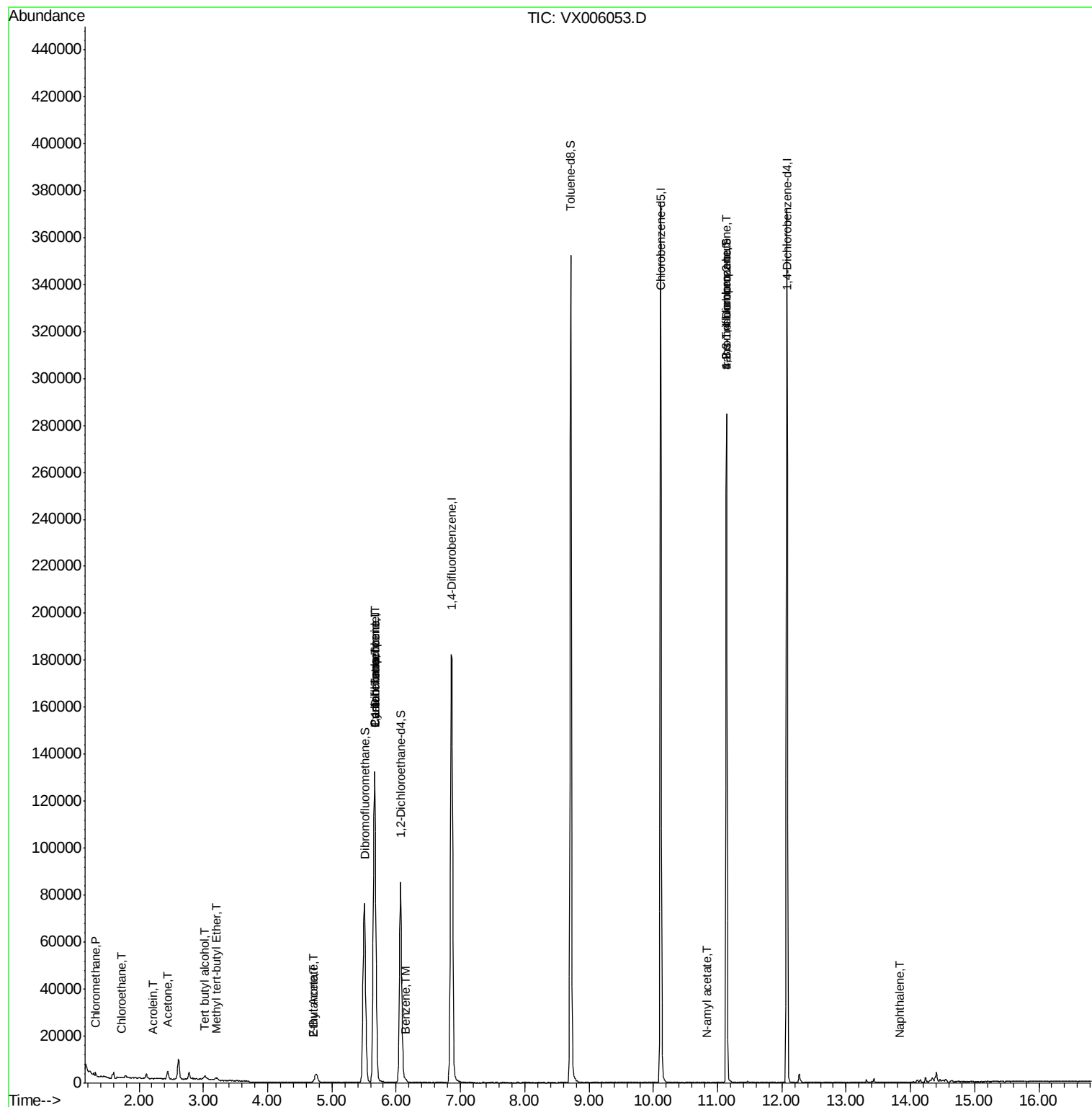
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	948	0.577	ug/l	95
6) Chloroethane	1.71	64	1191	1.209	ug/l #	42
11) Tert butyl alcohol	3.03	59	1713	3.744	ug/l #	72
13) Acrolein	2.23	56	20	19.248	ug/l #	14
16) Acetone	2.45	43	3904	4.539	ug/l #	88
19) Methyl tert-butyl Ether	3.21	73	849	0.203	ug/l	92
25) 2-Butanone	4.70	43	849	0.628	ug/l	95
31) Cyclohexane	5.67	56	2339	1.051	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	9043	4.929	ug/l #	49
37) Ethyl Acetate	4.70	43	849	0.352	ug/l #	69
38) Carbon Tetrachloride	5.67	117	12057	6.564	ug/l #	16
40) Benzene	6.15	78	1375	0.257	ug/l	99
74) N-amyl acetate	10.84	43	20	1.258	ug/l #	44
76) 1,2,3-Trichloropropane	11.14	75	35041	21.985	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	35041	70.069	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	116	Below Cal	#	31
95) Naphthalene	13.83	128	214	1.215	ug/l #	69

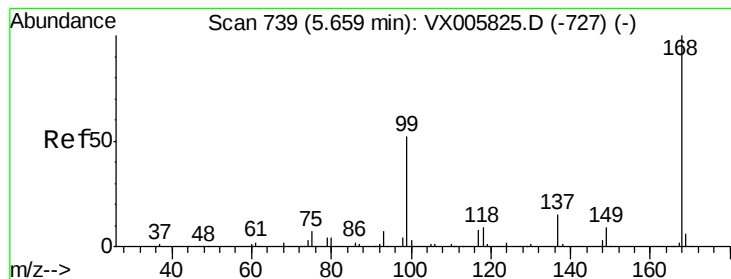
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111618\
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Acq On : 16 Nov 2018 16:42
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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# 741

Delta R.T. 0.01 min

Lab File: VX006053.D

Acq: 16 Nov 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

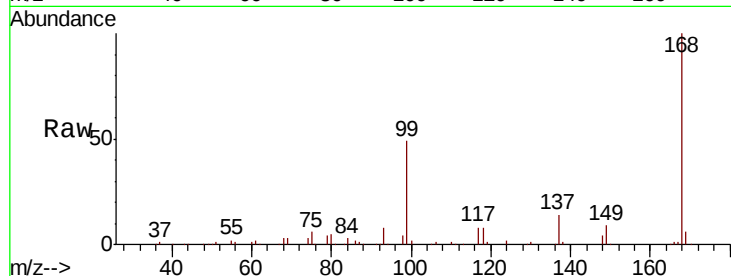
MW-5

Tot Ion:168 Resp: 138944

Ion Ratio Lower Upper

168 100

99 48.9 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

50000

40000

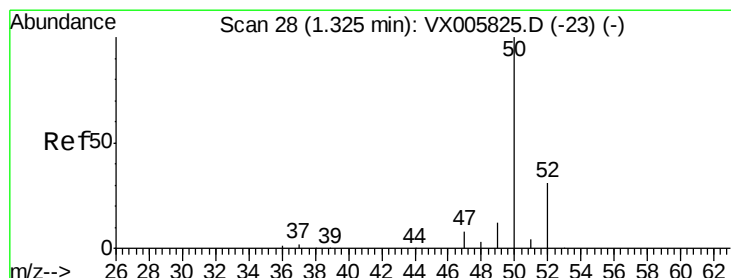
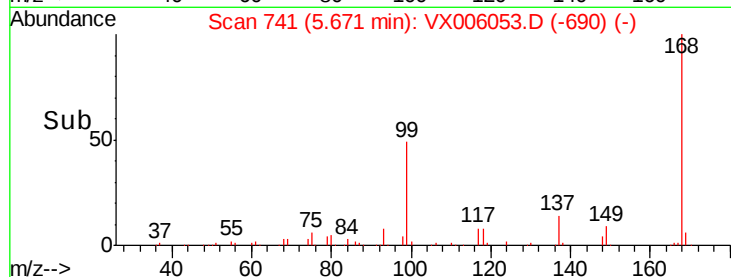
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.577 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006053.D

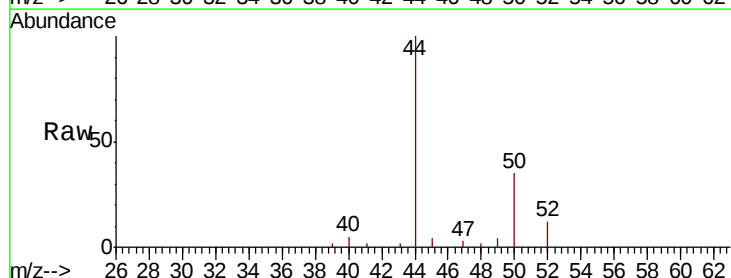
Acq: 16 Nov 2018 16:42

Tgt Ion: 50 Resp: 948

Ion Ratio Lower Upper

50 100

52 35.7 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

1000

800

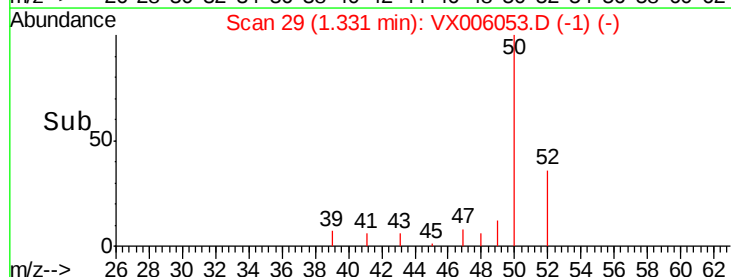
600

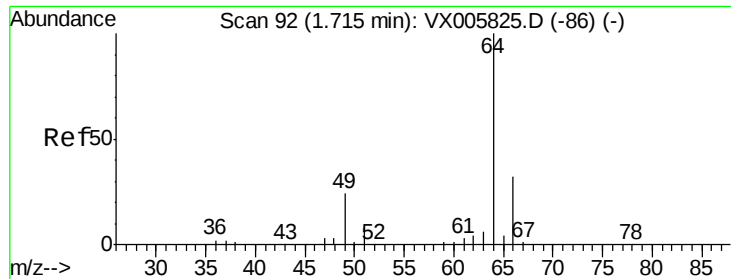
400

200

0

Time--> 1.30 1.35





#6

Chloroethane

Concen: 1.209 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX006053.D

Acq: 16 Nov 2018 16:42

Instrument :

MSVOA_X

ClientSampled :

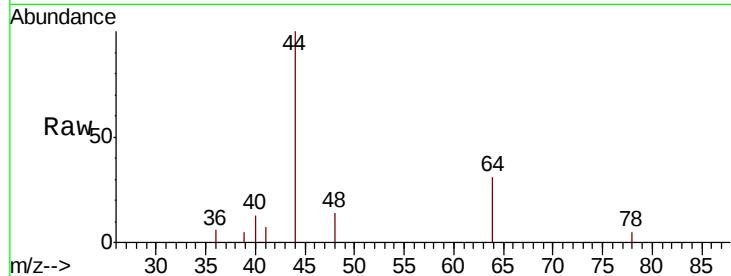
MW-5

Tot Ion: 64 Resp: 1191

Ion Ratio Lower Upper

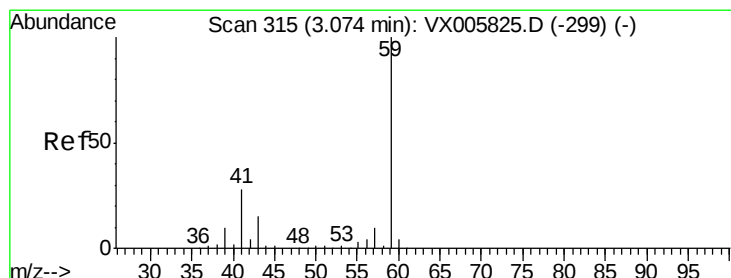
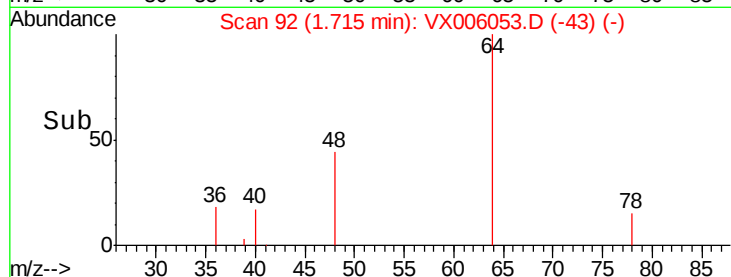
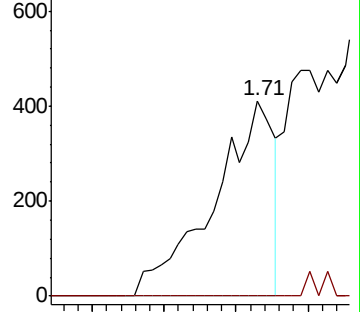
64 100

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: 3.744 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX006053.D

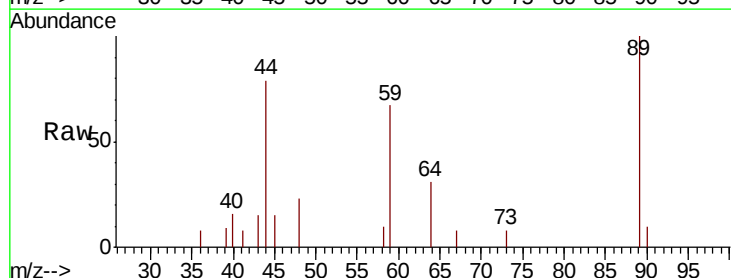
Acq: 16 Nov 2018 16:42

Tgt Ion: 59 Resp: 1713

Ion Ratio Lower Upper

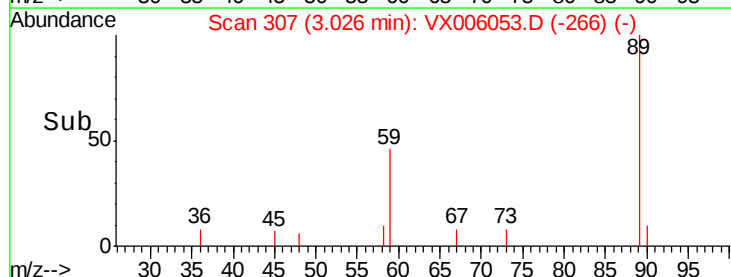
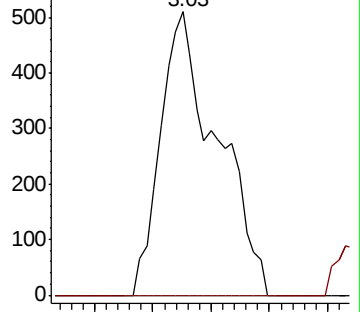
59 100

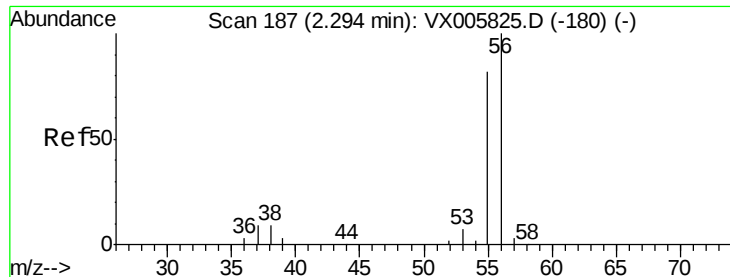
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 19.248 ug/l

RT: 2.23 min Scan# 176

Delta R.T. -0.07 min

Lab File: VX006053.D

Acq: 16 Nov 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

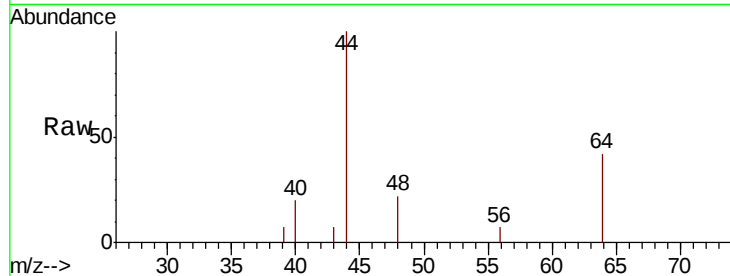
MW-5

Tot Ion: 56 Resp: 20

Ion Ratio Lower Upper

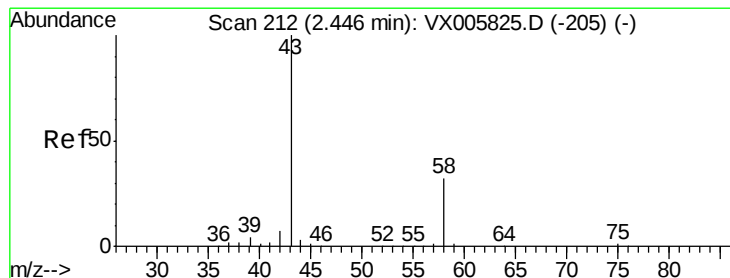
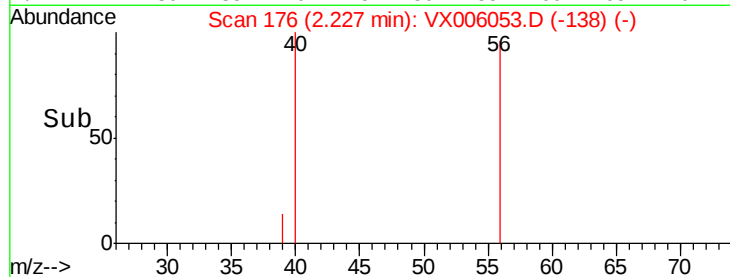
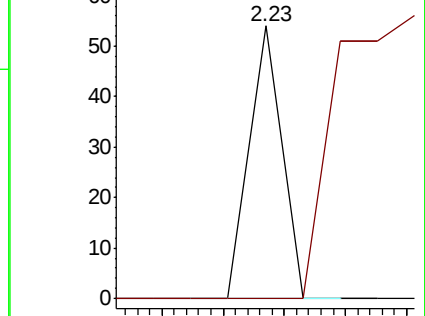
56 100

55 0.0 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 4.539 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006053.D

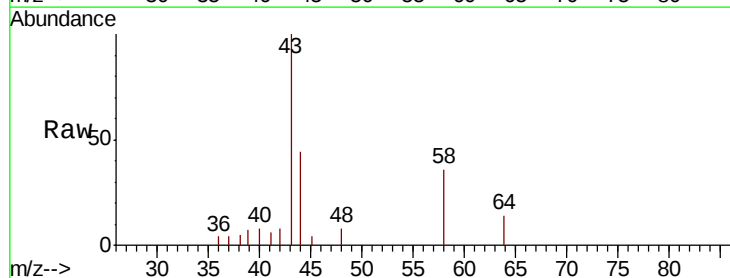
Acq: 16 Nov 2018 16:42

Tgt Ion: 43 Resp: 3904

Ion Ratio Lower Upper

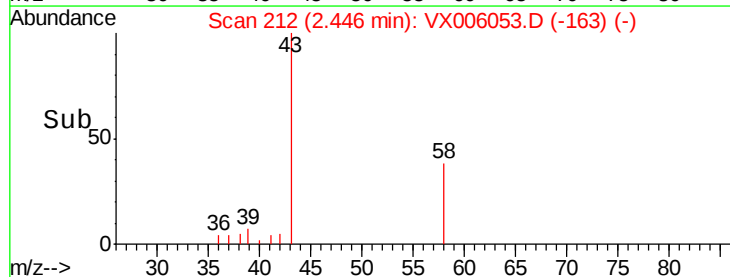
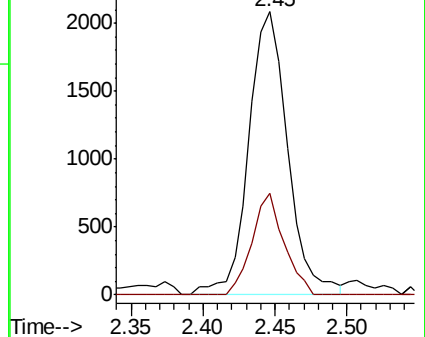
43 100

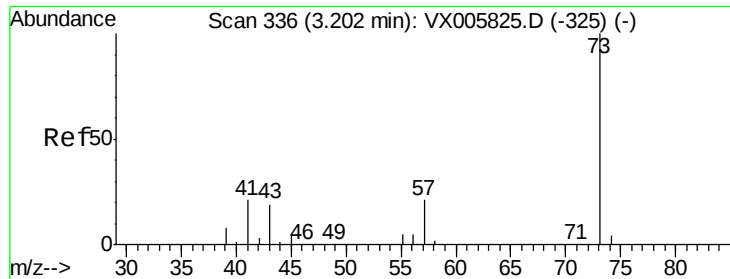
58 36.0 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

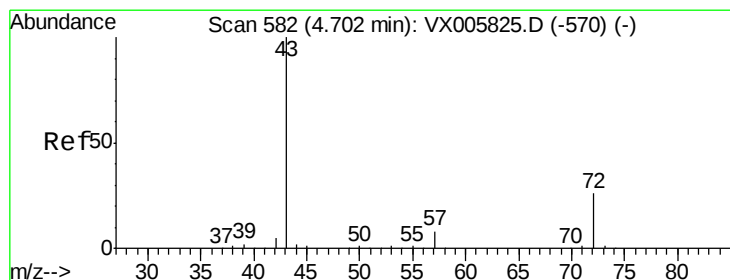
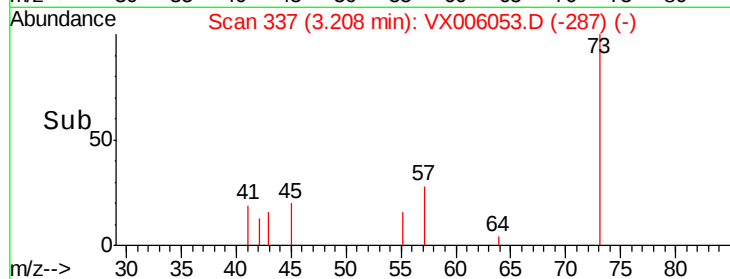
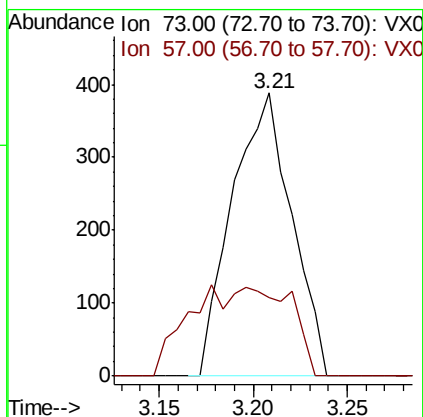
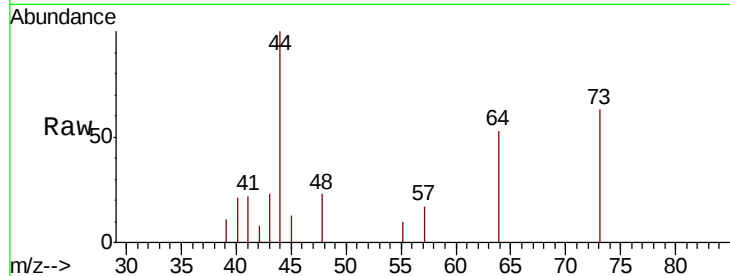




#19
Methvl tert-butvl Ether
Concen: 0.203 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX006053.D
Acq: 16 Nov 2018 16:42

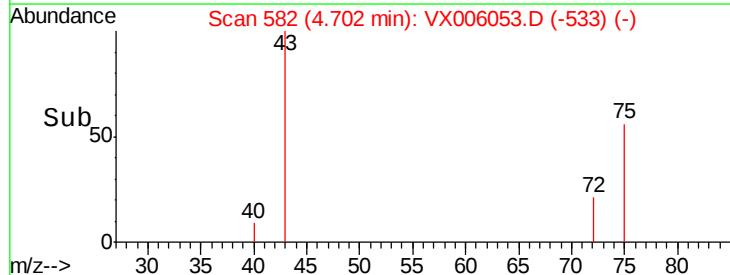
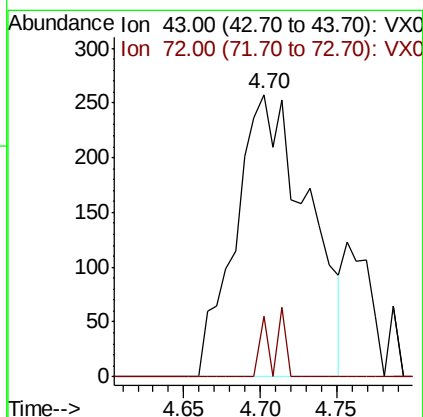
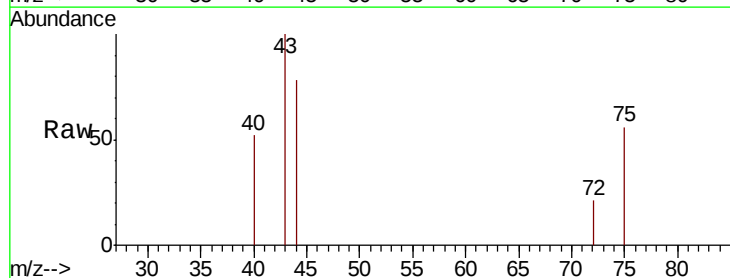
Instrument :
MSVOA_X
ClientSampled :
MW-5

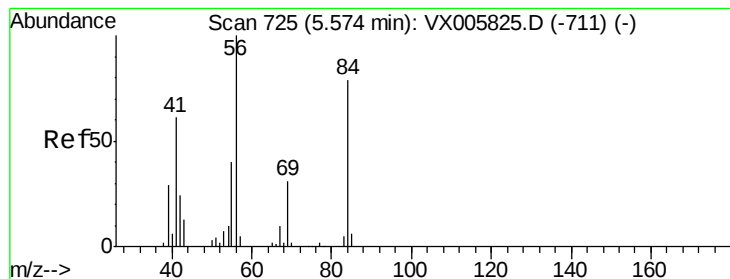
Tot Ion: 73 Resp: 849
Ion Ratio Lower Upper
73 100
57 27.6 18.8 28.2



#25
2-Butanone
Concen: 0.628 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX006053.D
Acq: 16 Nov 2018 16:42

Tgt Ion: 43 Resp: 849
Ion Ratio Lower Upper
43 100
72 21.3 19.2 28.8





#31

Cyclohexane

Concen: 1.051 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX006053.D

Acq: 16 Nov 2018 16:42

Instrument :

MSVOA_X

ClientSampled :

MW-5

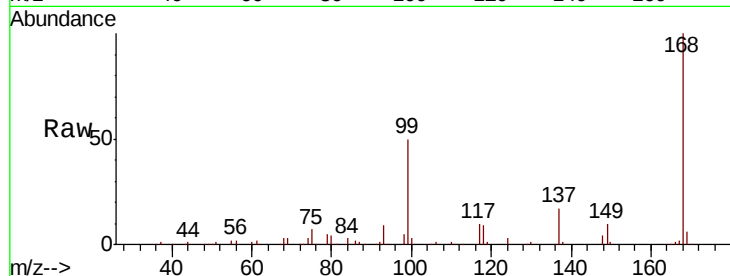
Tot Ion: 56 Resp: 2339

Ion Ratio Lower Upper

56 100

69 190.6 22.6 34.0#

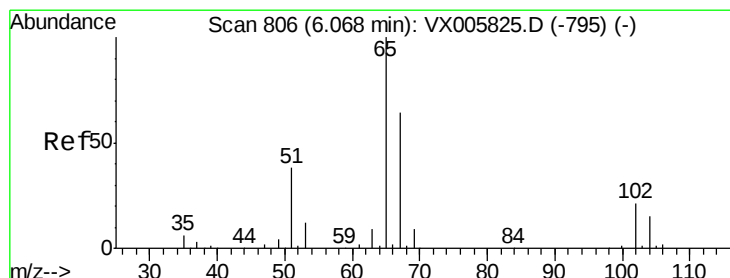
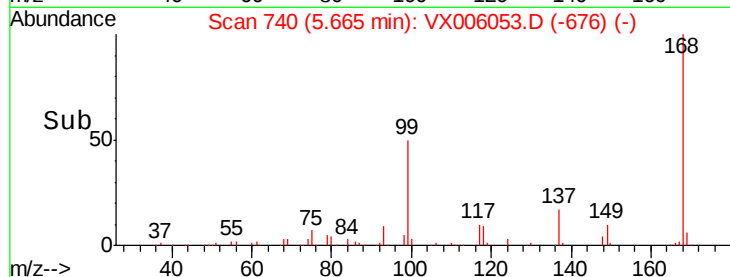
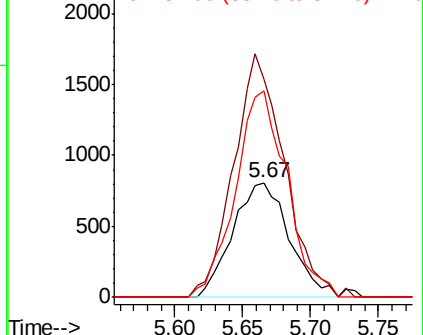
84 179.6 62.7 94.1#



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: 49.540 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006053.D

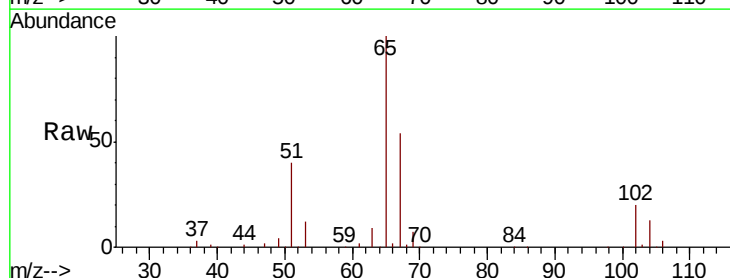
Acq: 16 Nov 2018 16:42

Tgt Ion: 65 Resp: 79132

Ion Ratio Lower Upper

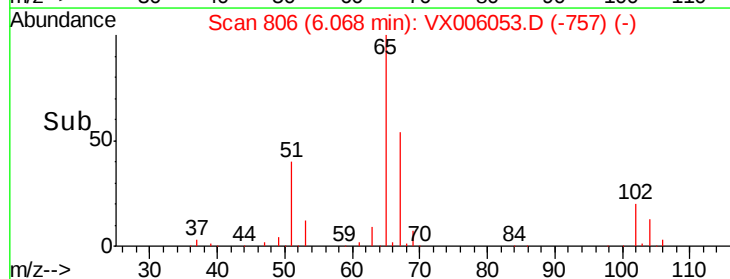
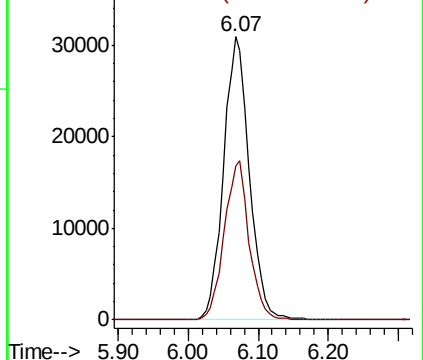
65 100

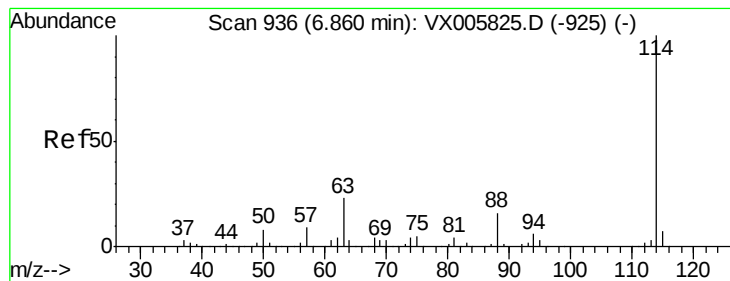
67 54.1 0.0 105.0



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: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX006053.D

Acq: 16 Nov 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

MW-5

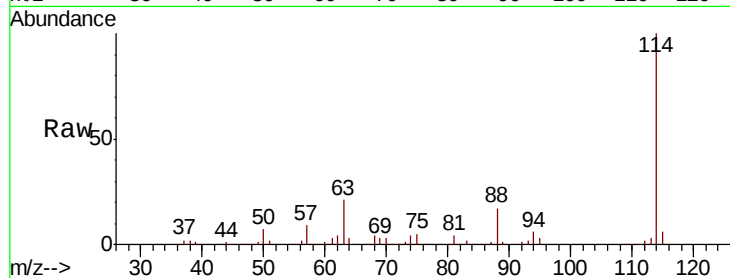
Tot Ion:114 Resp: 190325

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.8

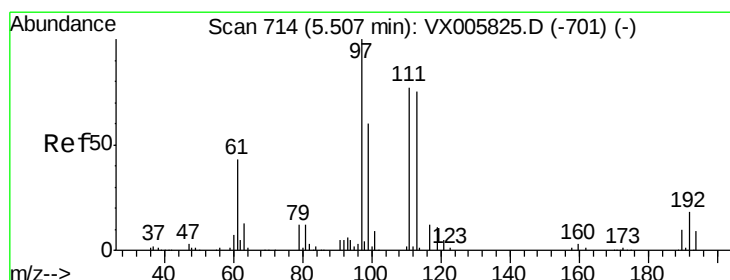
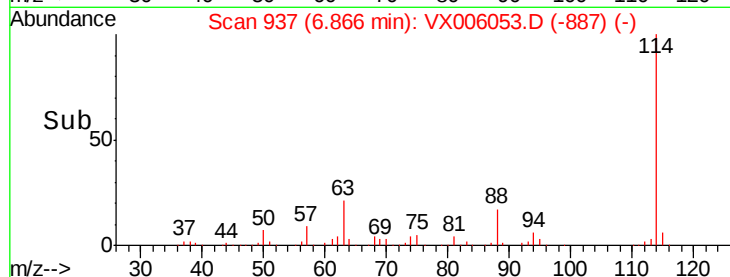
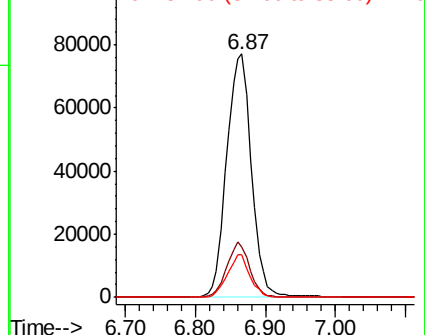
88 17.4 0.0 31.2



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: 51.664 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX006053.D

Acq: 16 Nov 2018 16:42

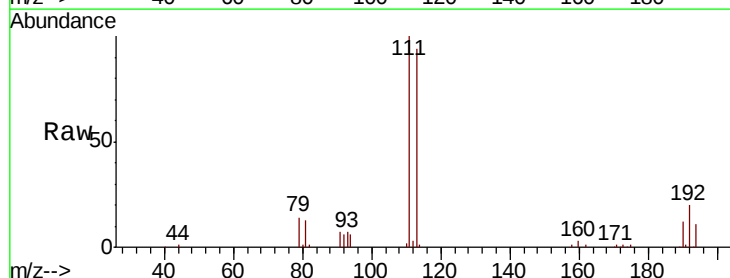
Tgt Ion:113 Resp: 66879

Ion Ratio Lower Upper

113 100

111 102.9 82.3 123.5

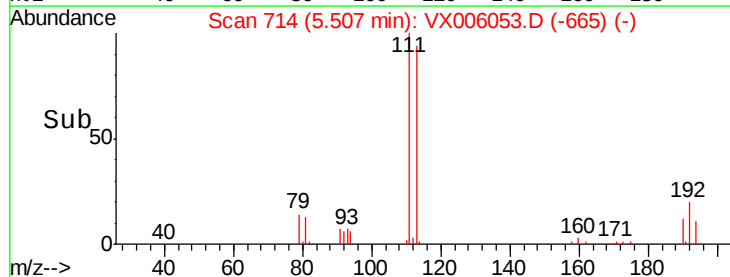
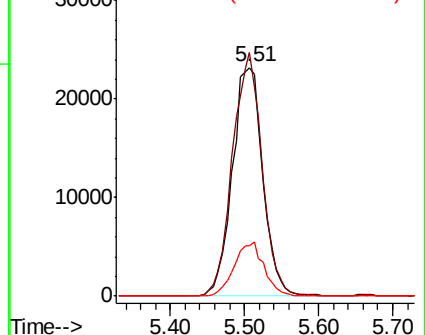
192 22.9 17.9 26.9

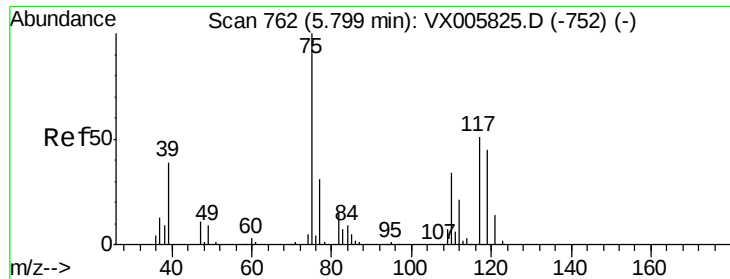


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.929 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006053.D

Acq: 16 Nov 2018 16:42

Instrument :

MSVOA_X

ClientSampled :

MW-5

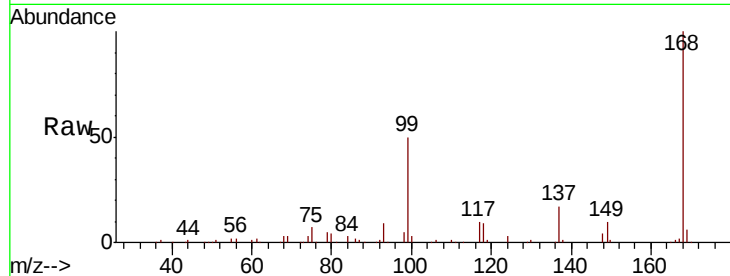
Tot Ion: 75 Resp: 9043

Ion Ratio Lower Upper

75 100

110 8.6 17.4 52.2#

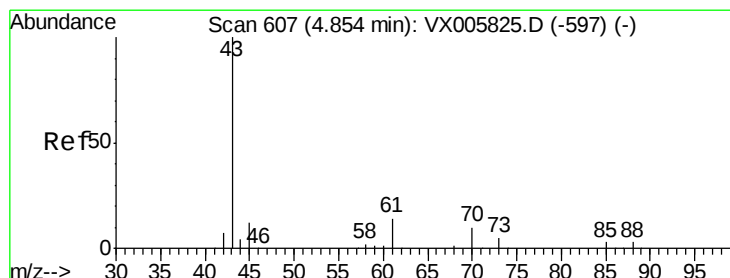
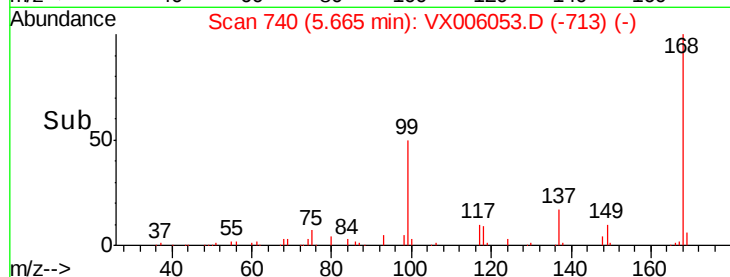
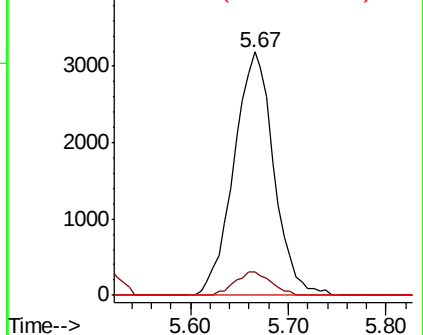
77 0.0 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 0.352 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.15 min

Lab File: VX006053.D

Acq: 16 Nov 2018 16:42

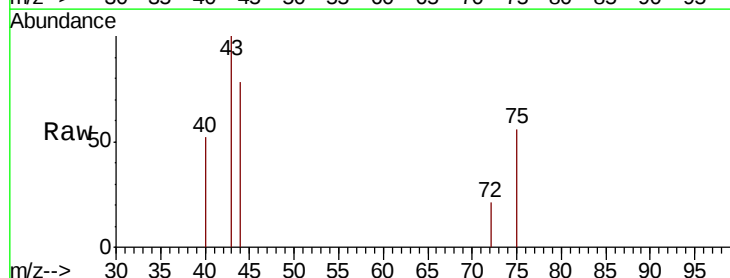
Tgt Ion: 43 Resp: 849

Ion Ratio Lower Upper

43 100

61 0.0 10.8 16.2#

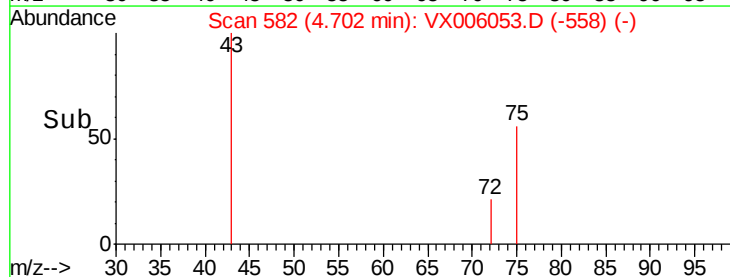
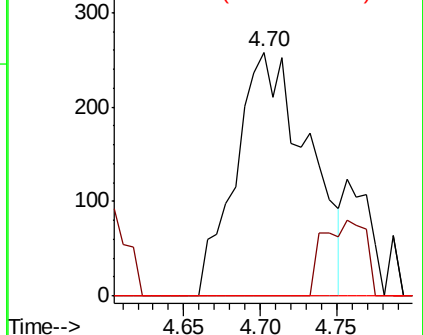
70 0.0 7.8 11.8#

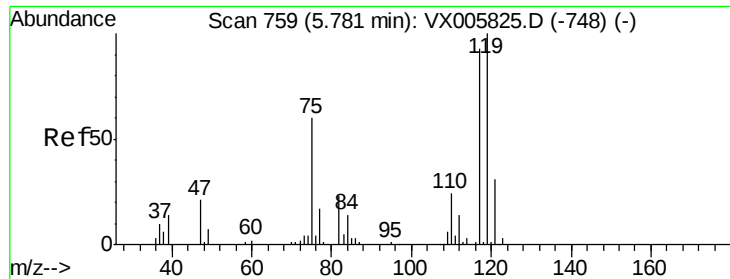


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

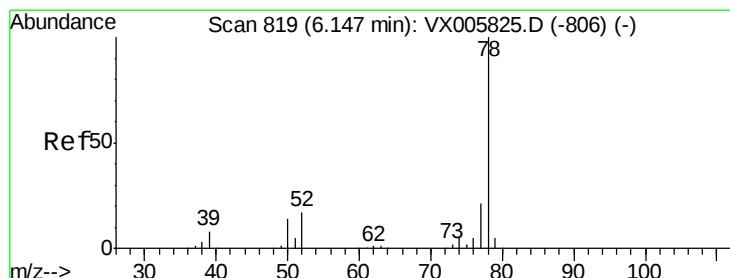
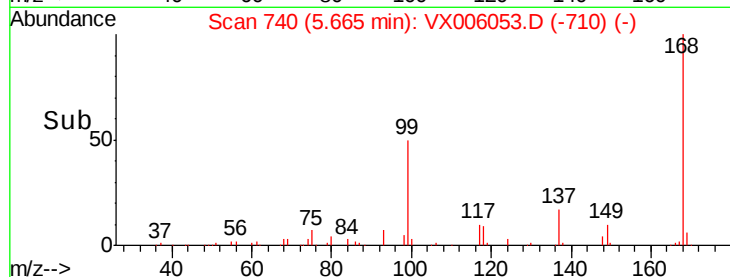
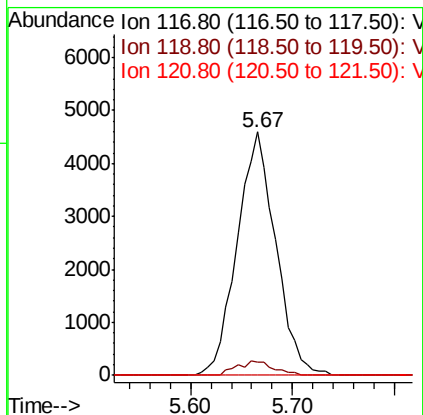
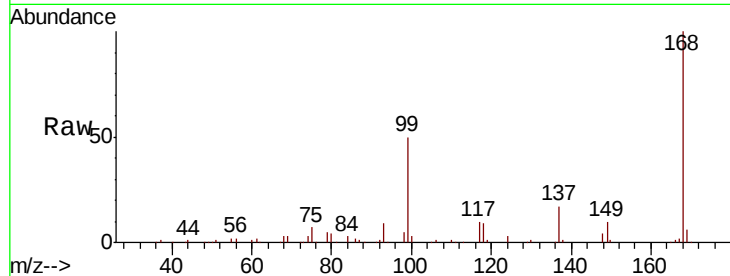




#38
Carbon Tetrachloride
Concen: 6.564 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX006053.D
Acq: 16 Nov 2018 16:42

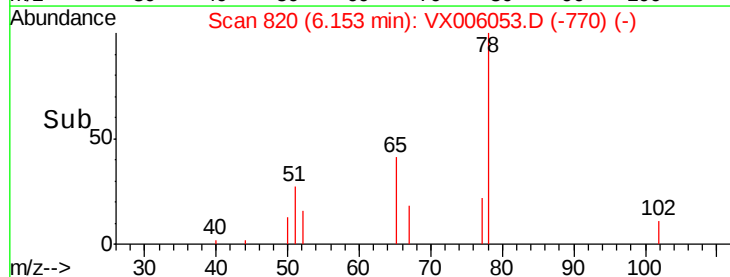
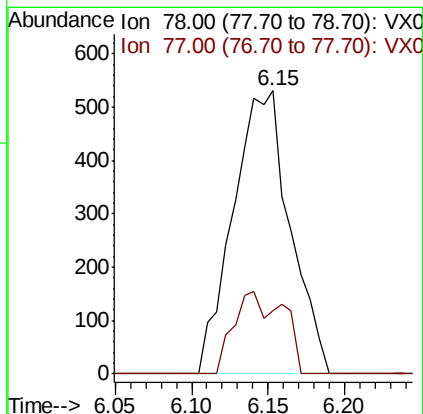
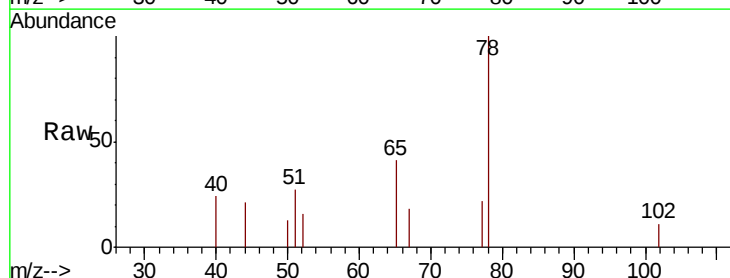
Instrument :
MSVOA_X
ClientSampled :
MW-5

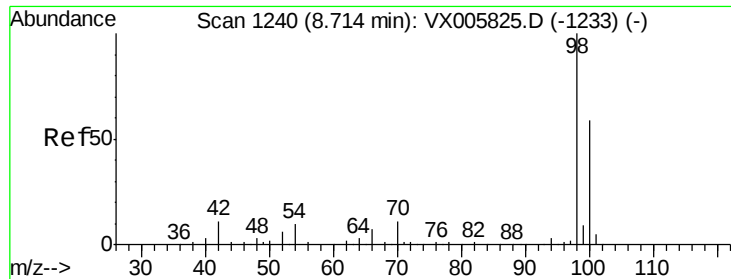
Tot Ion:117 Resp: 12057
Ion Ratio Lower Upper
117 100
119 5.6 78.1 117.1#
121 0.0 24.6 36.8#



#40
Benzene
Concen: 0.257 ug/l
RT: 6.15 min Scan# 820
Delta R.T. 0.01 min
Lab File: VX006053.D
Acq: 16 Nov 2018 16:42

Tgt Ion: 78 Resp: 1375
Ion Ratio Lower Upper
78 100
77 22.4 18.4 27.6

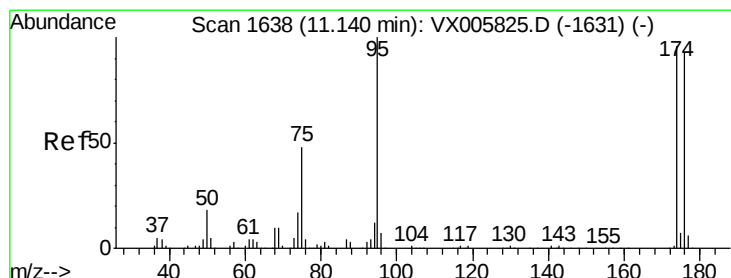
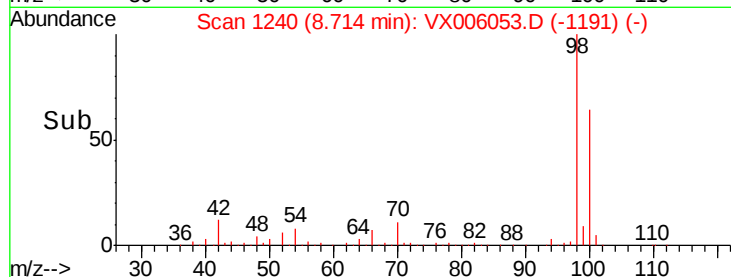
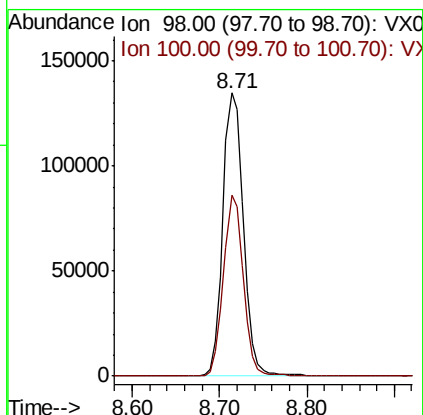
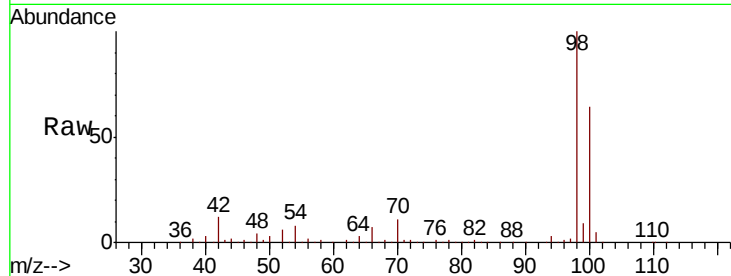




#50
Toluene-d8
Concen: 50.815 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006053.D
Acq: 16 Nov 2018 16:42

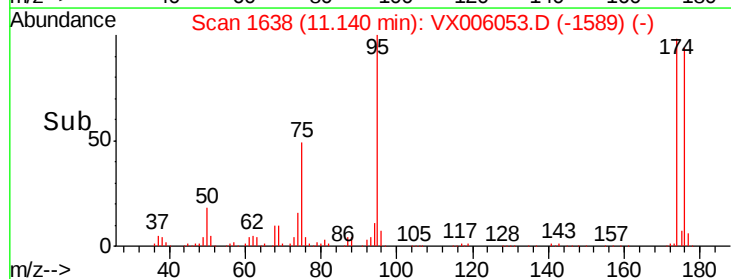
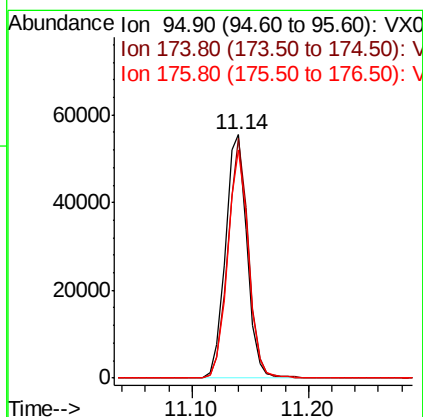
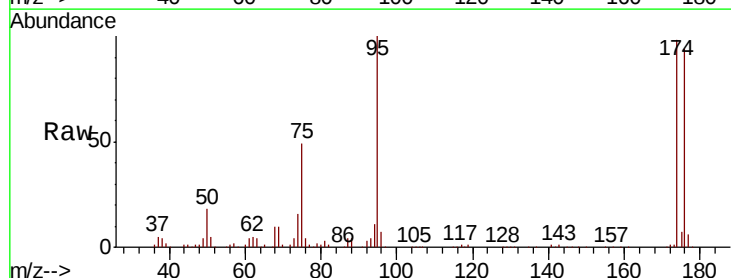
Instrument :
MSVOA_X
ClientSampled :
MW-5

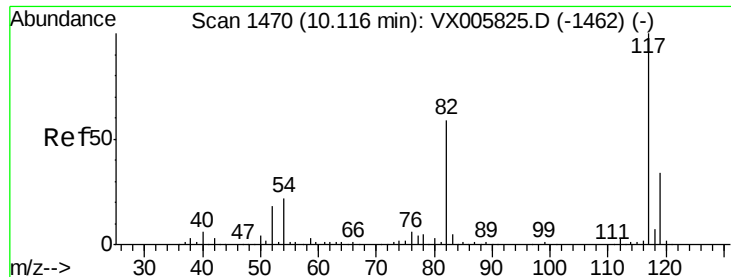
Tot Ion: 98 Resp: 218688
Ion Ratio Lower Upper
98 100
100 62.3 51.3 76.9



#62
4-Bromofluorobenzene
Concen: 46.097 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX006053.D
Acq: 16 Nov 2018 16:42

Tgt Ion: 95 Resp: 71327
Ion Ratio Lower Upper
95 100
174 93.7 0.0 184.4
176 90.6 0.0 177.4

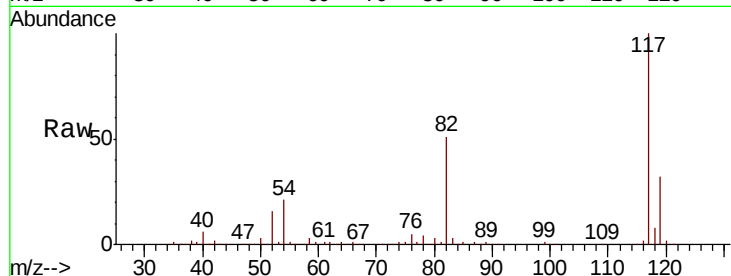




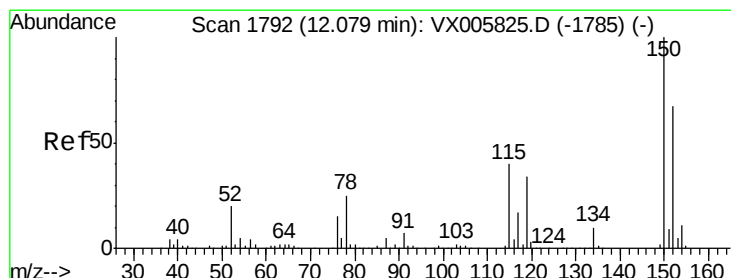
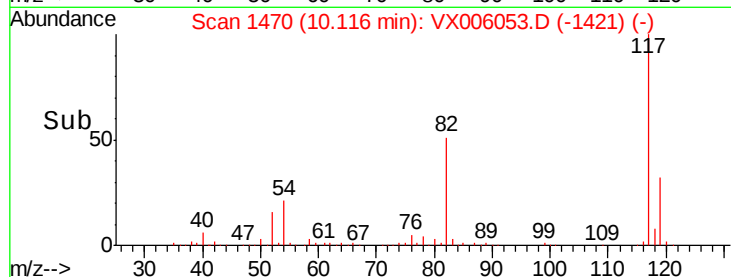
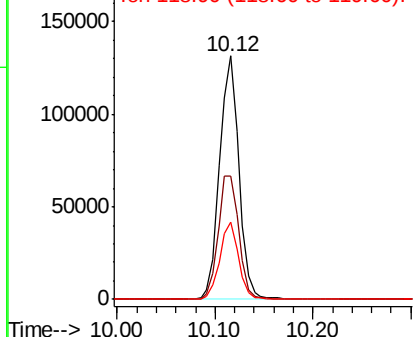
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006053.D
Acq: 16 Nov 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
MW-5

Tot Ion:117 Resp: 180459
Ion Ratio Lower Upper
117 100
82 50.7 44.1 66.1
119 31.9 26.2 39.2

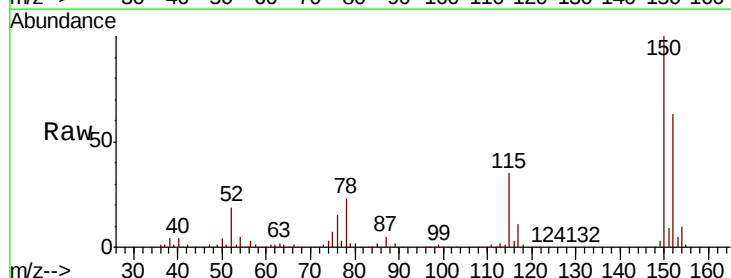


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

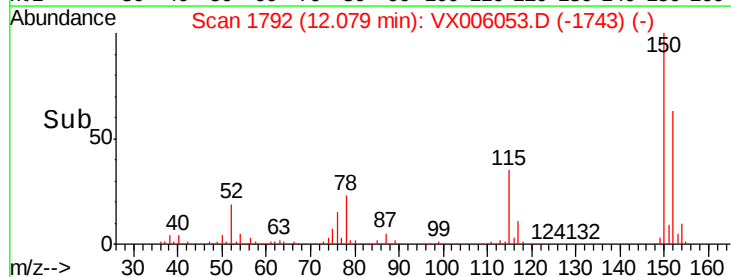
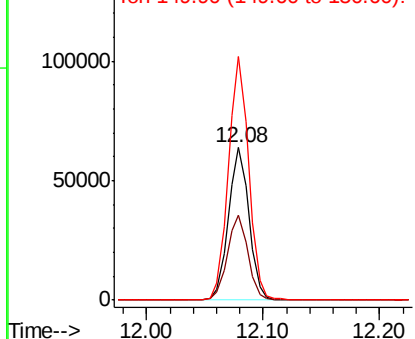


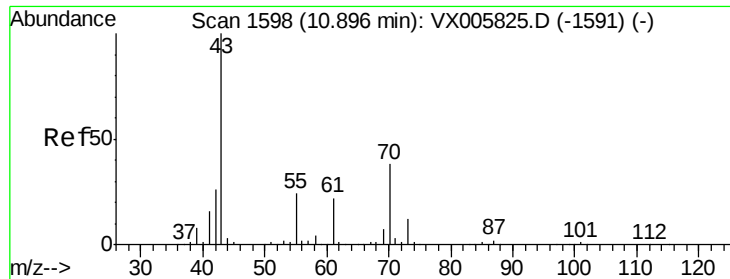
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006053.D
Acq: 16 Nov 2018 16:42

Tgt Ion:152 Resp: 78276
Ion Ratio Lower Upper
152 100
115 55.2 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

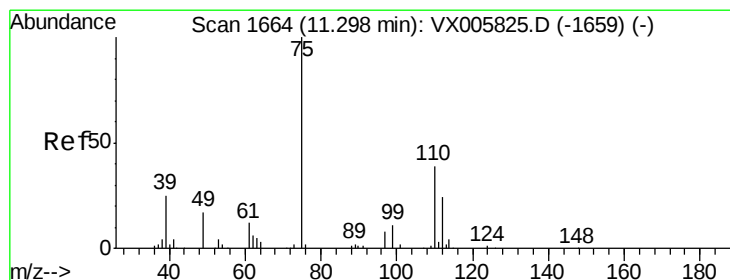
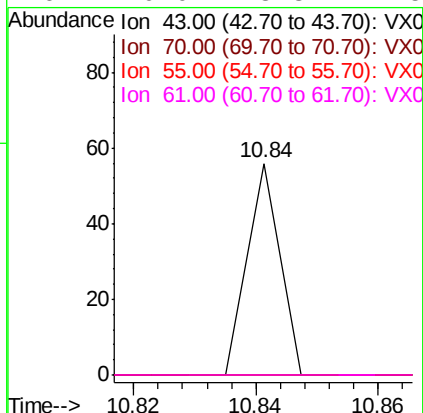
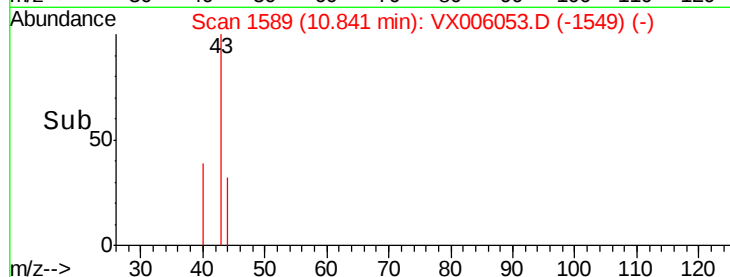
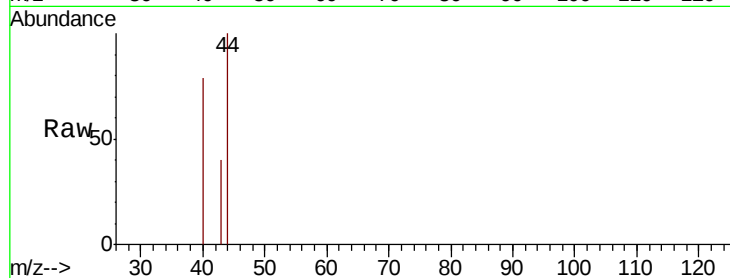




#74
N-amvl acetate
Concen: 1.258 ug/l
RT: 10.84 min Scan# 1589
Delta R.T. -0.05 min
Lab File: VX006053.D
Acq: 16 Nov 2018 16:42

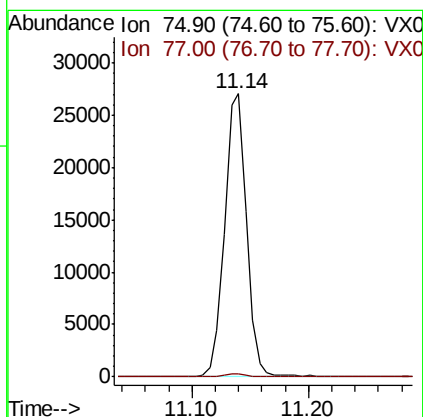
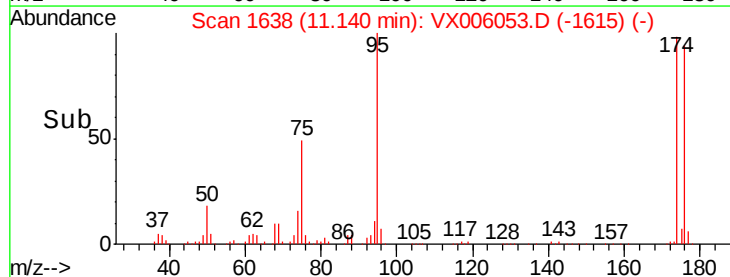
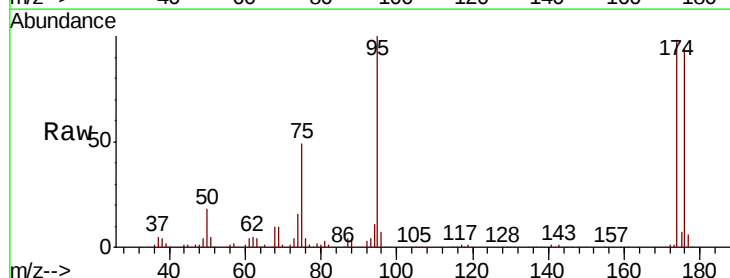
Instrument :
MSVOA_X
ClientSampleId :
MW-5

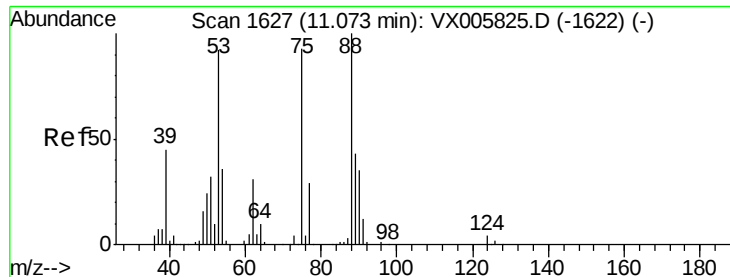
Tot Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
70 0.0 31.6 47.4#
55 0.0 19.7 29.5#
61 0.0 18.3 27.5#



#76
1,2,3-Trichloropropane
Concen: 21.985 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX006053.D
Acq: 16 Nov 2018 16:42

Tgt Ion: 75 Resp: 35041
Ion Ratio Lower Upper
75 100
77 1.2 20.5 61.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 70.069 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX006053.D

Acq: 16 Nov 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

MW-5

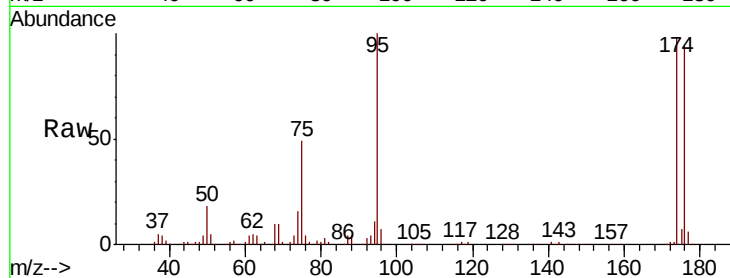
Tot Ion: 75 Resp: 35041

Ion Ratio Lower Upper

75 100

53 0.1 80.2 120.2#

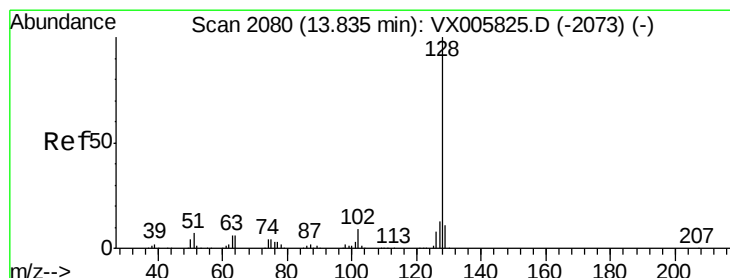
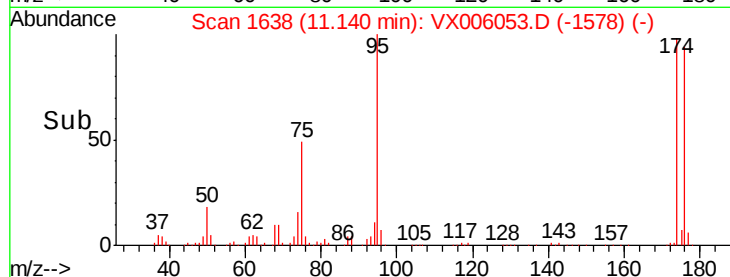
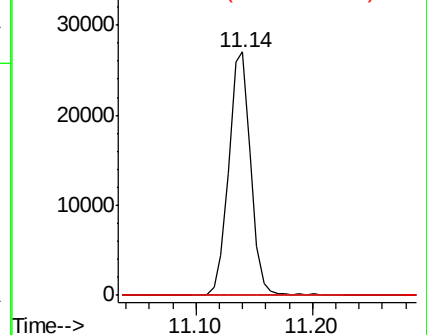
89 0.0 39.8 59.8#



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



#95

Naphthalene

Concen: 1.215 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006053.D

Acq: 16 Nov 2018 16:42

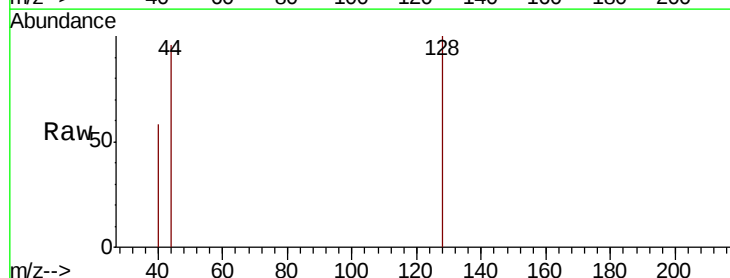
Tgt Ion: 128 Resp: 214

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

