

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111618\
 Data File : VX006051.D
 Acq On : 16 Nov 2018 15:48
 Operator : JC/MD
 Sample : J5965-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Quant Time: Nov 17 00:44:09 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

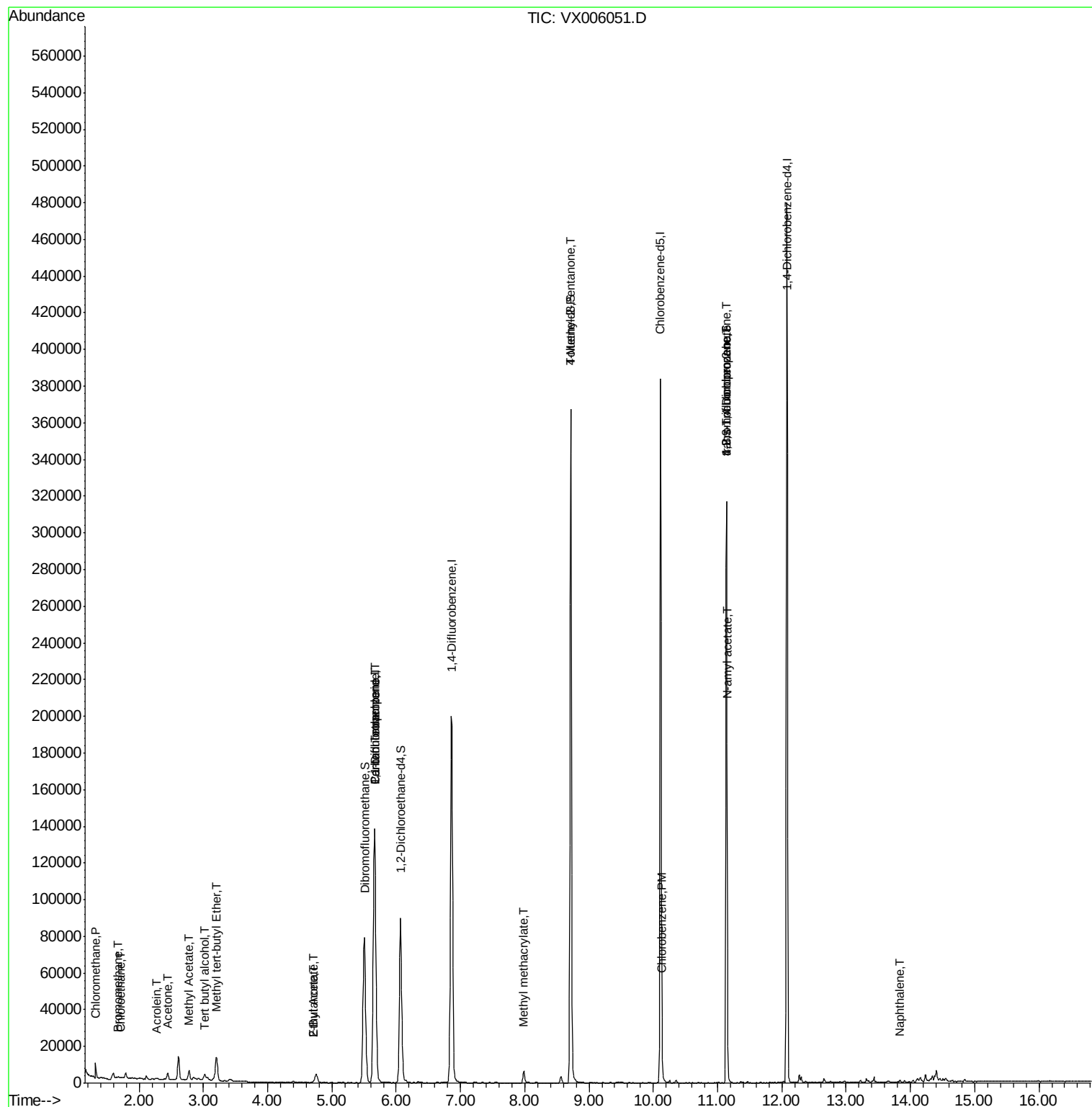
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	146484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	201525	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	185541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	98897	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	82456	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
35) Dibromofluoromethane	5.51	113	68278	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
50) Toluene-d8	8.71	98	224378	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
62) 4-Bromofluorobenzene	11.13	95	79930	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	5068	2.924	ug/l	90
5) Bromomethane	1.66	94	230	0.216	ug/l #	76
6) Chloroethane	1.71	64	4646	4.475	ug/l #	58
11) Tert butyl alcohol	3.02	59	2102	4.357	ug/l #	72
13) Acrolein	2.28	56	19	19.240	ug/l #	1
16) Acetone	2.45	43	3498	3.858	ug/l	96
18) Methyl Acetate	2.78	43	6241	1.118	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	14099	3.190	ug/l	97
25) 2-Butanone	4.70	43	932	0.654	ug/l #	51
36) 1,1-Dichloropropene	5.67	75	9707	4.997	ug/l #	49
37) Ethyl Acetate	4.70	43	932	0.365	ug/l #	69
38) Carbon Tetrachloride	5.67	117	12968	6.668	ug/l #	15
48) Methyl methacrylate	7.99	41	2163	1.301	ug/l #	35
51) 4-Methyl-2-Pentanone	8.71	43	986	0.423	ug/l #	1
65) Chlorobenzene	10.14	112	1122	0.302	ug/l	98
74) N-amyl acetate	11.15	43	183	1.306	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	38325	19.032	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	38325	60.657	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	155	Below Cal	#	51
95) Naphthalene	13.83	128	1076	1.325	ug/l #	95

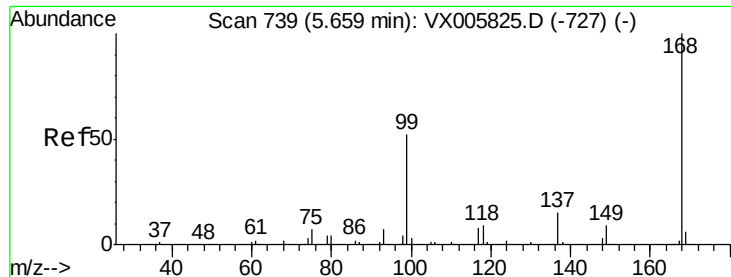
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111618\
Data File : VX006051.D
Acq On : 16 Nov 2018 15:48
Operator : JC/MD
Sample : J5965-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Quant Time: Nov 17 00:44:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
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: VX006051.D

Acq: 16 Nov 2018 15:48

Instrument :

MSVOA_X

ClientSampled :

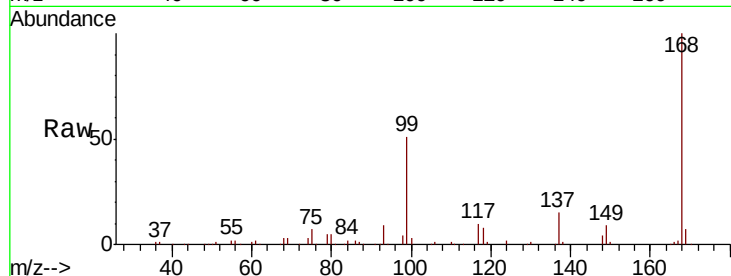
MW-3

Tot Ion:168 Resp: 146484

Ion Ratio Lower Upper

168 100

99 51.1 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

60000

50000

40000

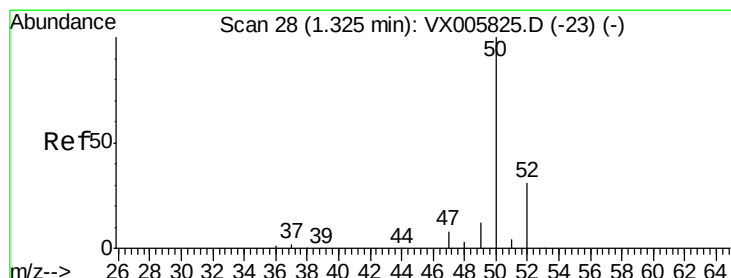
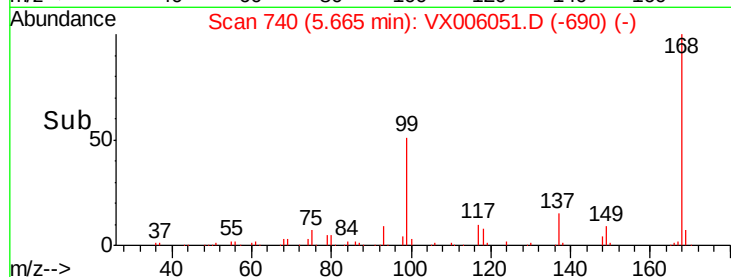
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 2.924 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX006051.D

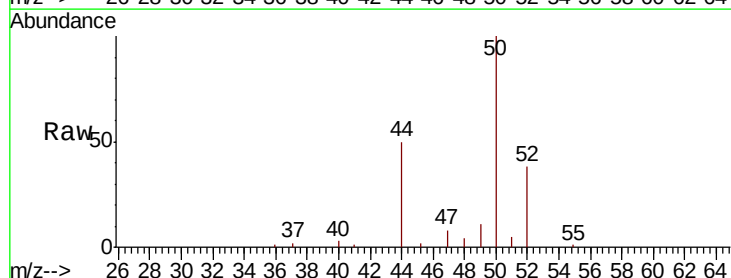
Acq: 16 Nov 2018 15:48

Tgt Ion: 50 Resp: 5068

Ion Ratio Lower Upper

50 100

52 38.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

5000

4000

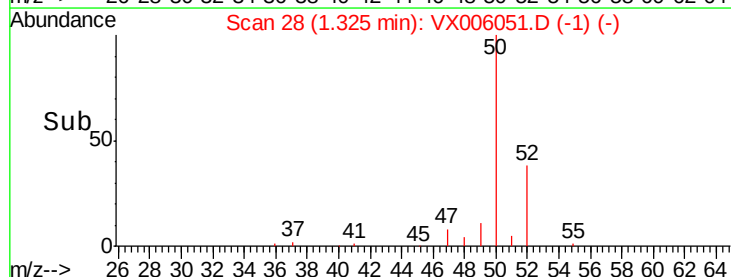
3000

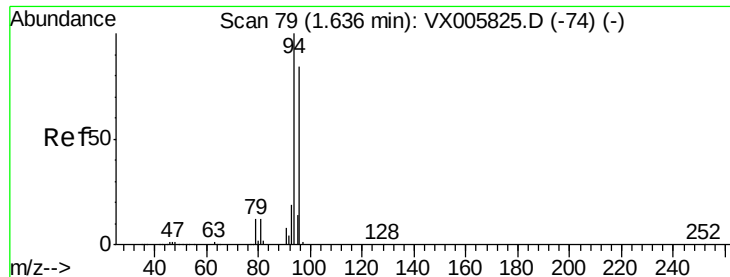
2000

1000

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: 0.216 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX006051.D

Acq: 16 Nov 2018 15:48

Instrument :

MSVOA_X

ClientSampled :

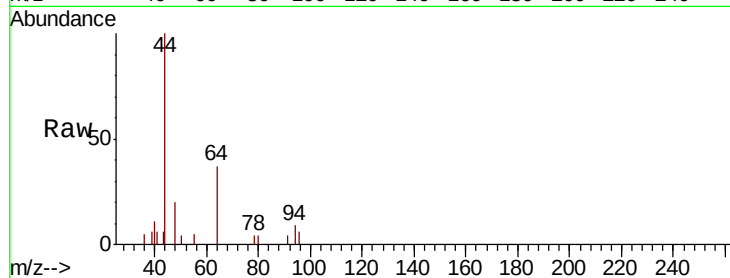
MW-3

Tot Ion: 94 Resp: 230

Ion Ratio Lower Upper

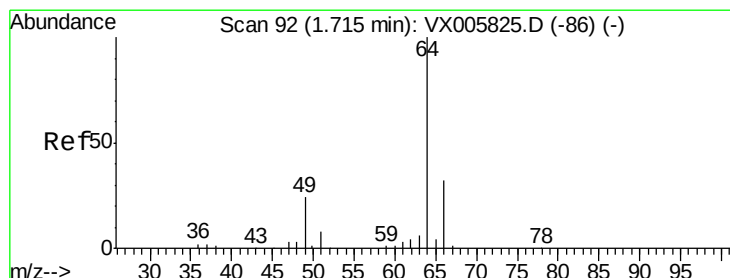
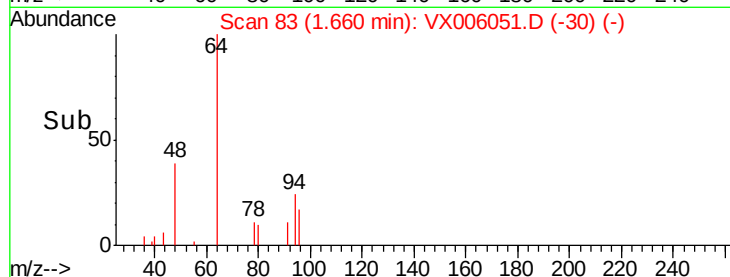
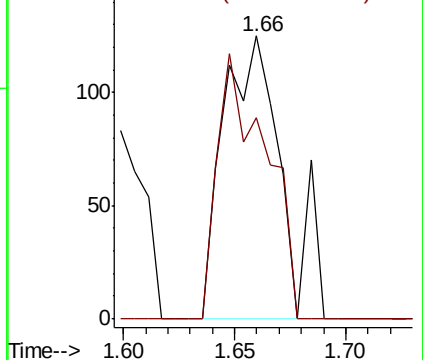
94 100

96 71.2 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 4.475 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX006051.D

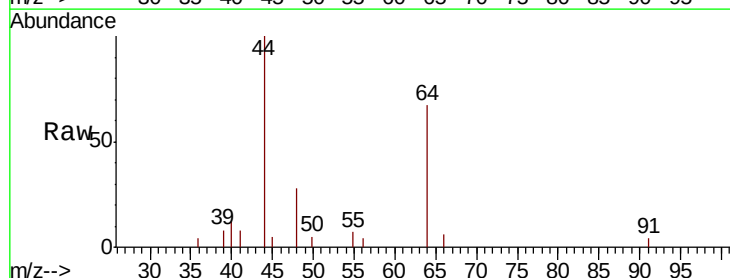
Acq: 16 Nov 2018 15:48

Tgt Ion: 64 Resp: 4646

Ion Ratio Lower Upper

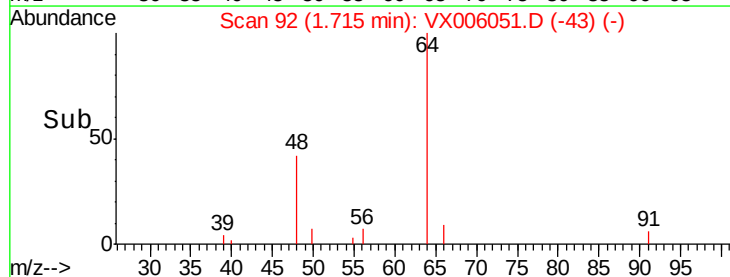
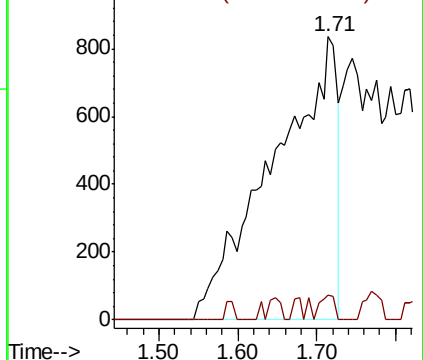
64 100

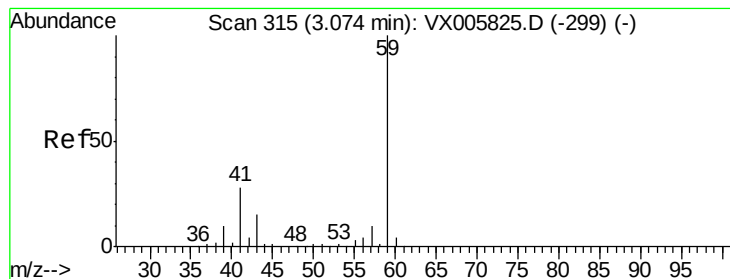
66 8.7 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#11

Tert butyl alcohol

Concen: 4.357 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.05 min

Lab File: VX006051.D

Acq: 16 Nov 2018 15:48

Instrument :

MSVOA_X

ClientSampled :

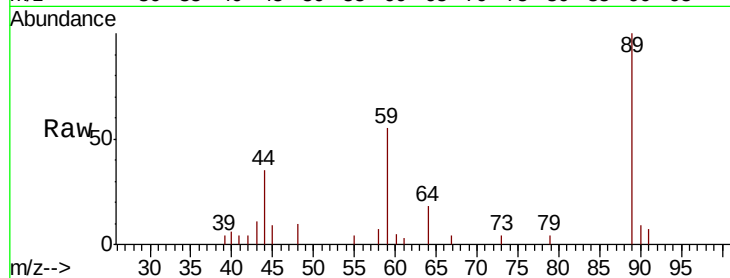
MW-3

Tot Ion: 59 Resp: 2102

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

1000

800

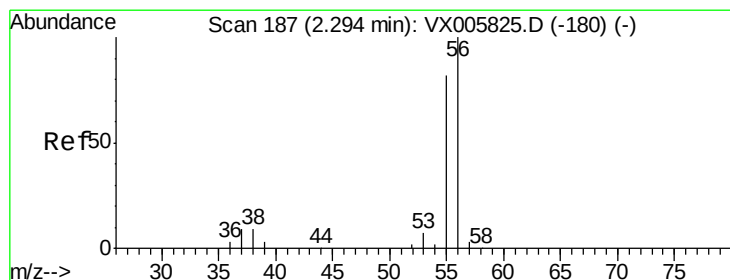
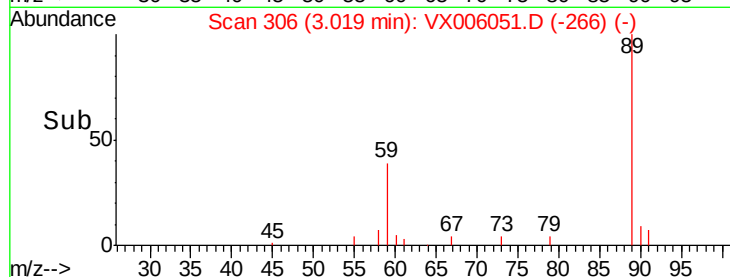
600

400

200

0

Time-->



#13

Acrolein

Concen: 19.240 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX006051.D

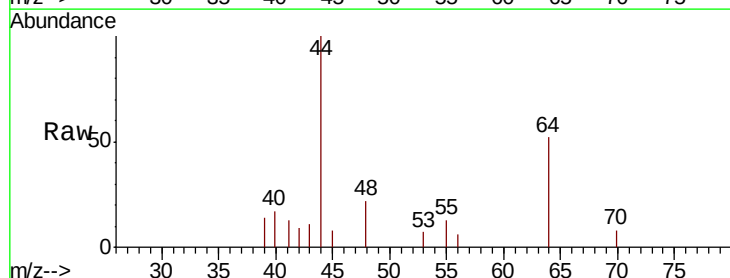
Acq: 16 Nov 2018 15:48

Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 2694.7 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

250

200

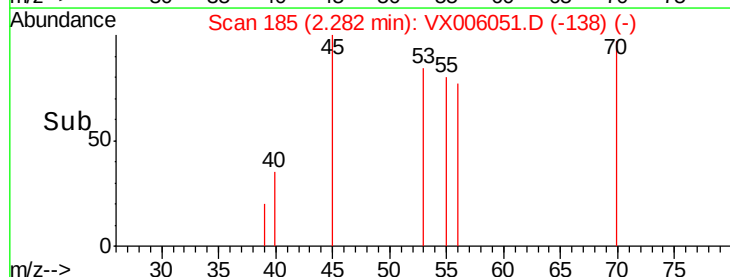
150

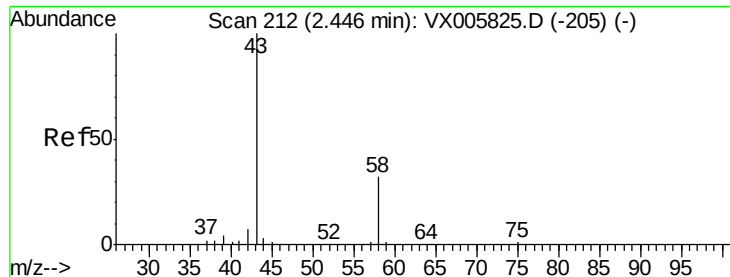
100

50

0

Time-->





#16

Acetone

Concen: 3.858 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006051.D

Acq: 16 Nov 2018 15:48

Instrument :

MSVOA_X

ClientSampled :

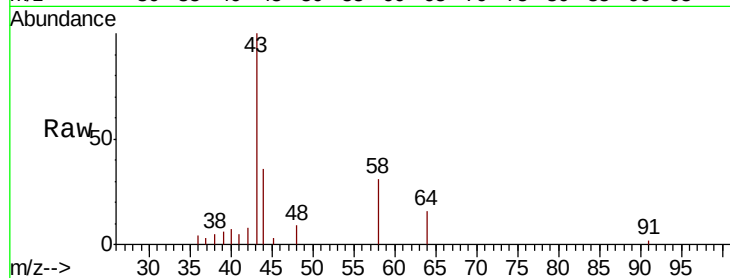
MW-3

Tot Ion: 43 Resp: 3498

Ion Ratio Lower Upper

43 100

58 31.9 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

2000

1500

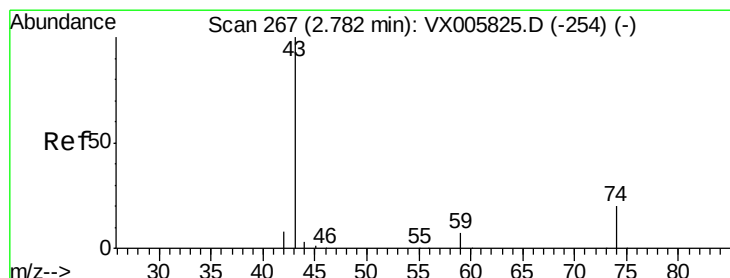
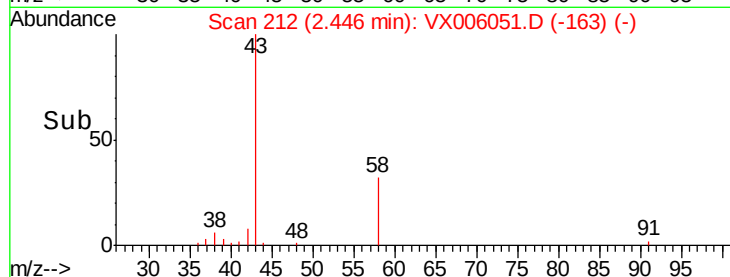
1000

500

0

2.40 2.45 2.50

Time-->



#18

Methyl Acetate

Concen: 1.118 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX006051.D

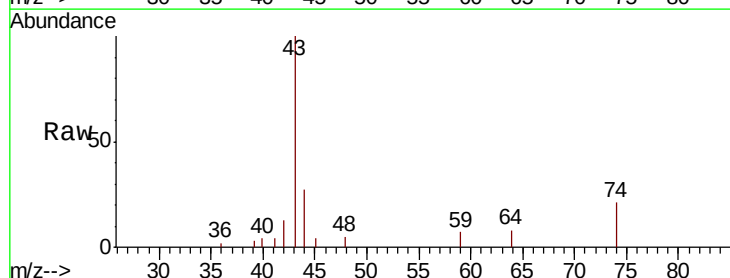
Acq: 16 Nov 2018 15:48

Tgt Ion: 43 Resp: 6241

Ion Ratio Lower Upper

43 100

74 22.6 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

4000

3000

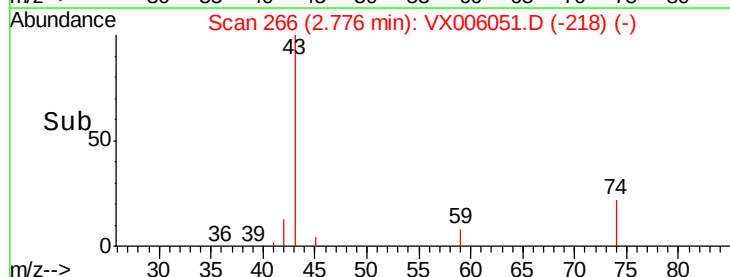
2000

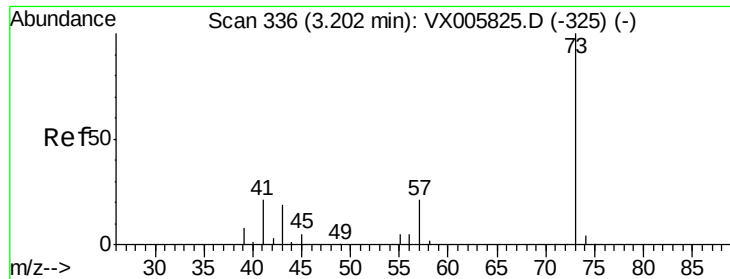
1000

0

2.70 2.75 2.80 2.85

Time-->

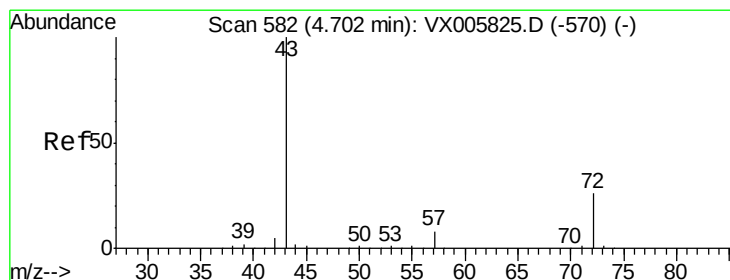
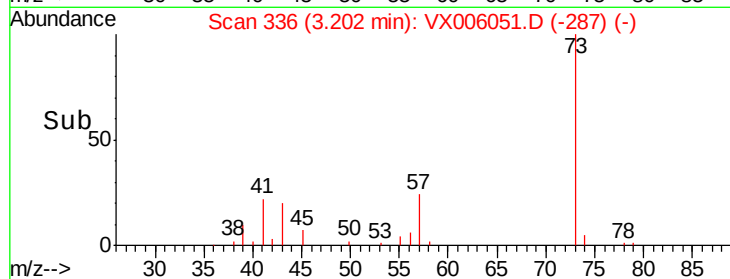
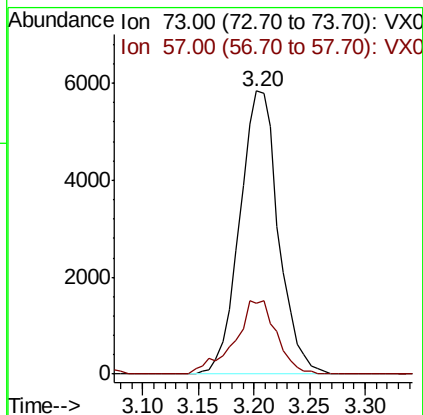
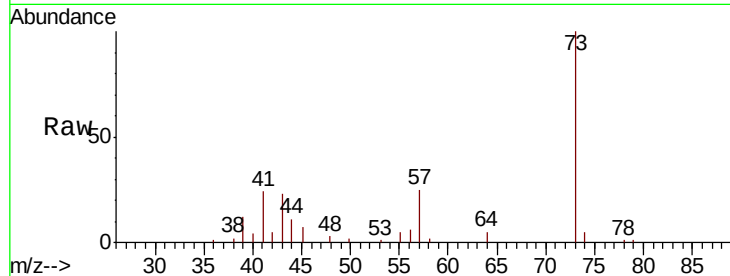




#19
Methyl tert-butyl Ether
Concen: 3.190 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006051.D
Acq: 16 Nov 2018 15:48

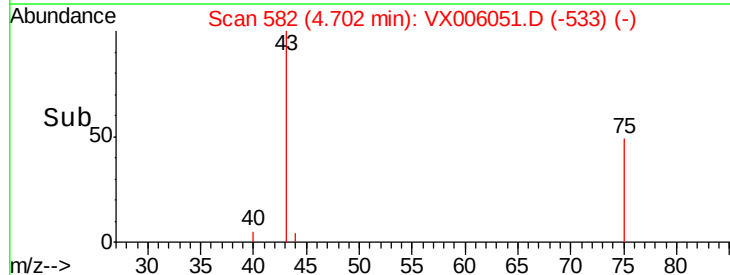
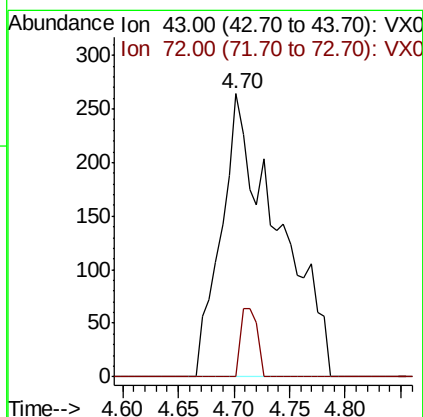
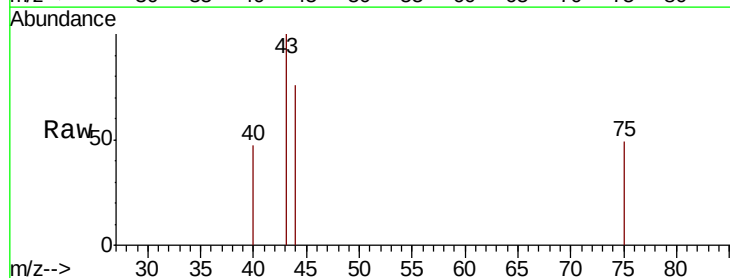
Instrument :
MSVOA_X
ClientSampled :
MW-3

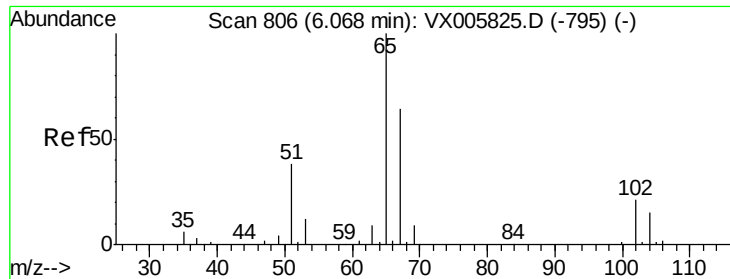
Tot Ion: 73 Resp: 14099
Ion Ratio Lower Upper
73 100
57 25.0 18.8 28.2



#25
2-Butanone
Concen: 0.654 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX006051.D
Acq: 16 Nov 2018 15:48

Tgt Ion: 43 Resp: 932
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#

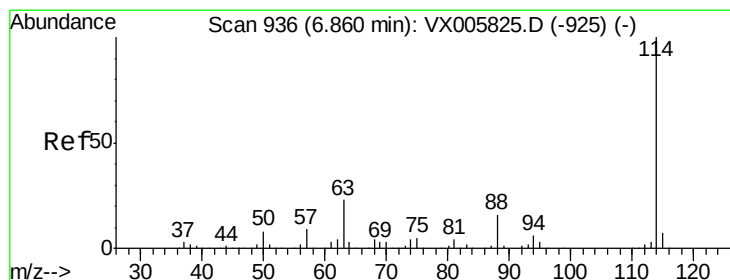
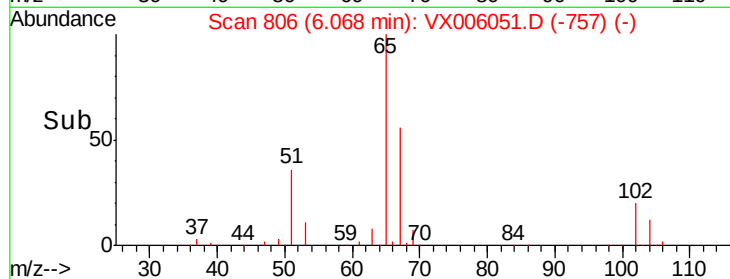
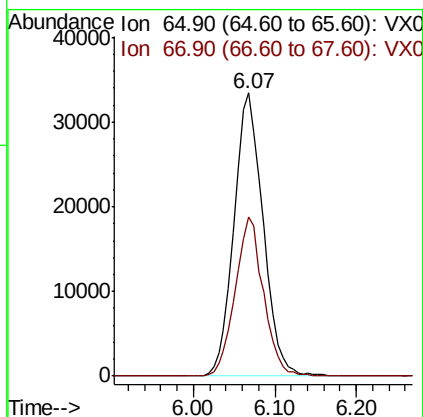
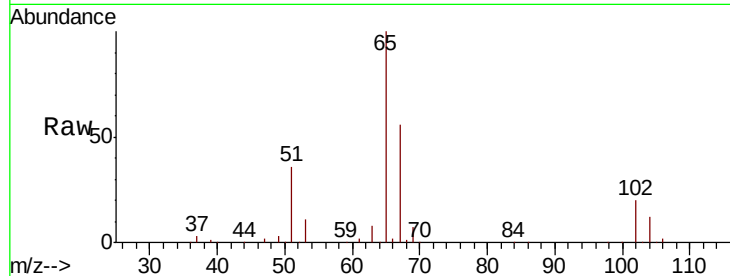




#33
 1,2-Dichloroethane-d4
 Concen: 48.964 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX006051.D
 Acq: 16 Nov 2018 15:48

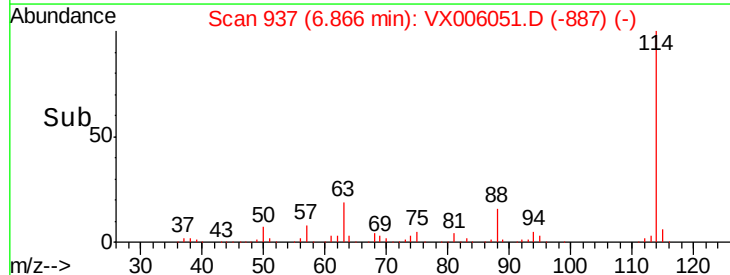
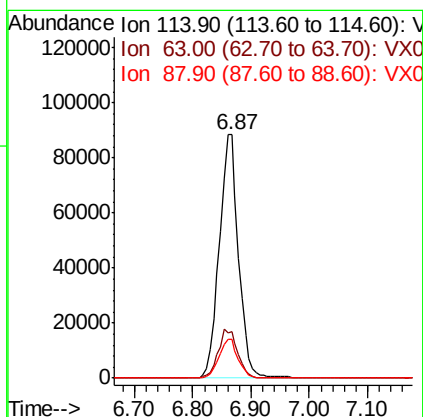
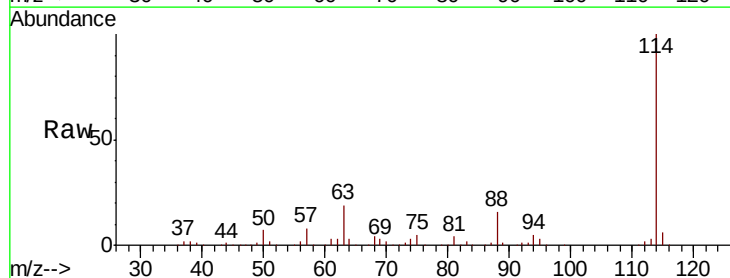
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

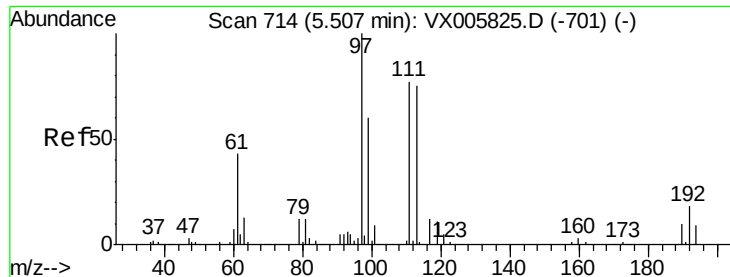
Tot Ion: 65 Resp: 82456
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX006051.D
 Acq: 16 Nov 2018 15:48

Tgt Ion: 114 Resp: 201525
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 42.8
 88 16.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.813 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX006051.D

Acq: 16 Nov 2018 15:48

Instrument :

MSVOA_X

ClientSampleId :

MW-3

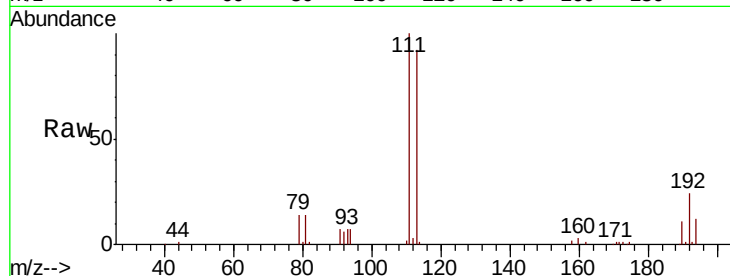
Tot Ion:113 Resp: 68278

Ion Ratio Lower Upper

113 100

111 103.2 82.3 123.5

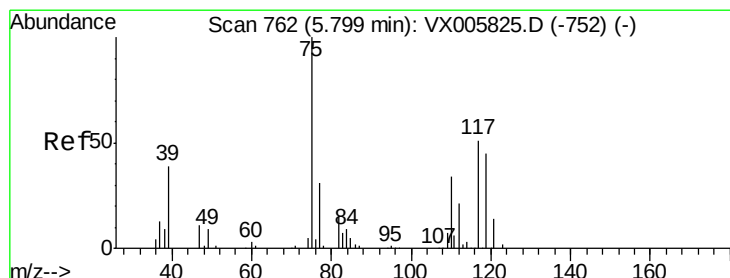
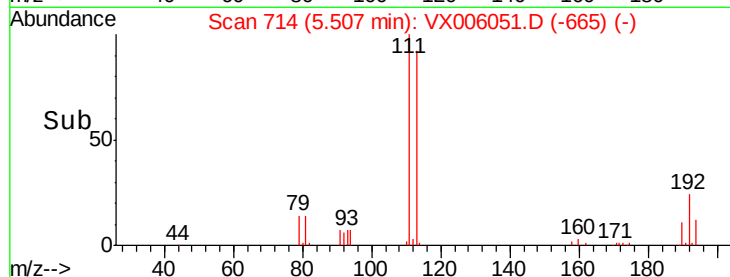
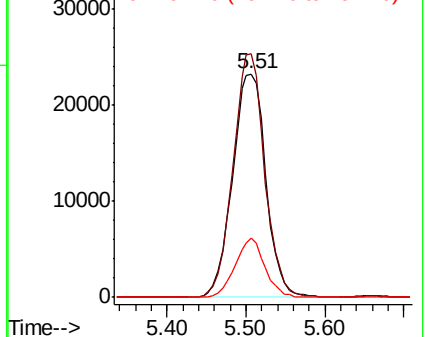
192 23.5 17.9 26.9



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: 4.997 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006051.D

Acq: 16 Nov 2018 15:48

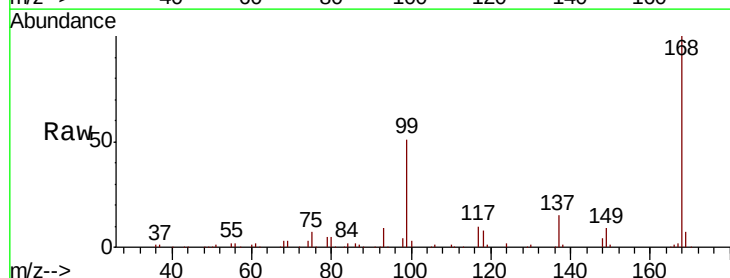
Tgt Ion: 75 Resp: 9707

Ion Ratio Lower Upper

75 100

110 9.0 17.4 52.2#

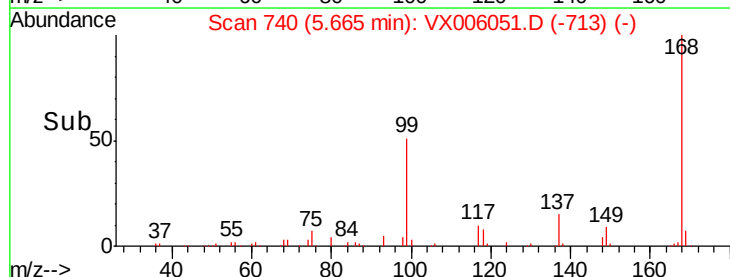
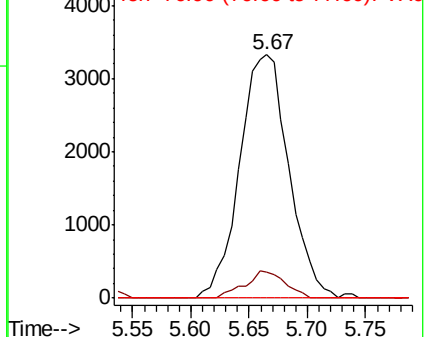
77 0.0 25.8 38.6#

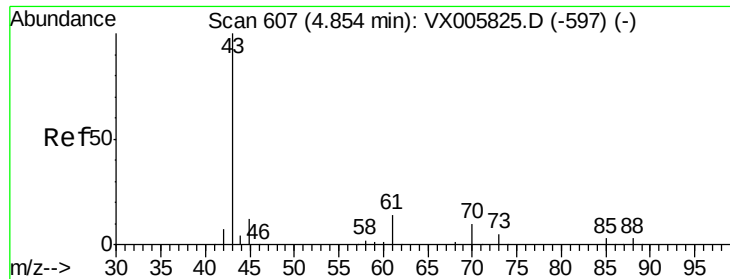


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 0.365 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.15 min

Lab File: VX006051.D

Acq: 16 Nov 2018 15:48

Instrument :

MSVOA_X

ClientSampled :

MW-3

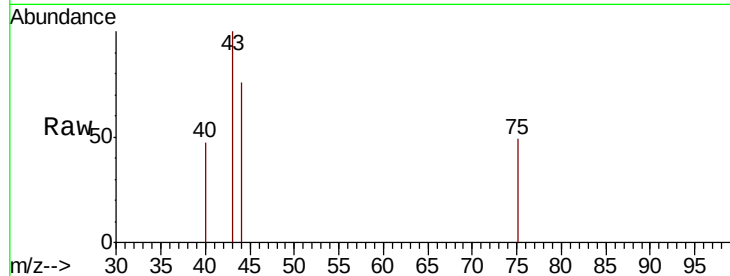
Tot Ion: 43 Resp: 932

Ion Ratio Lower Upper

43 100

61 0.0 10.8 16.2#

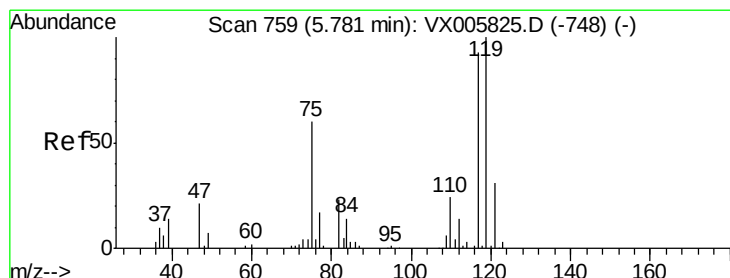
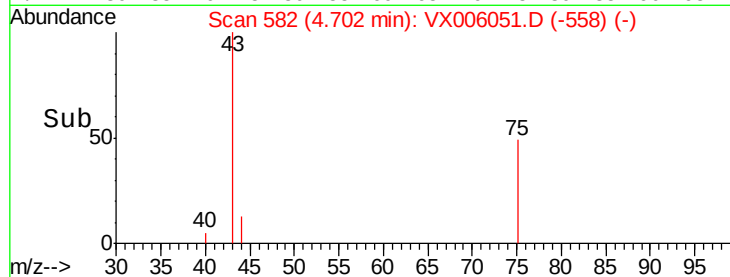
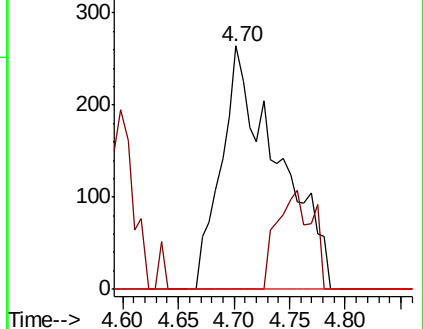
70 0.0 7.8 11.8#



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: 6.668 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006051.D

Acq: 16 Nov 2018 15:48

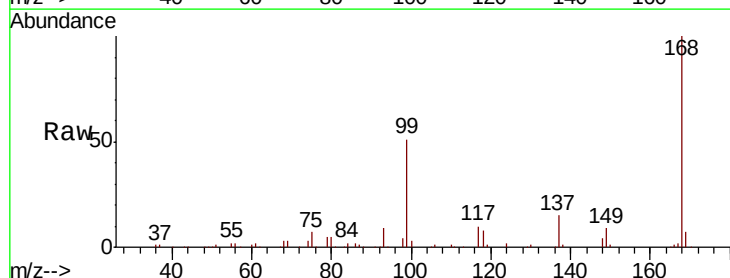
Tgt Ion: 117 Resp: 12968

Ion Ratio Lower Upper

117 100

119 5.2 78.1 117.1#

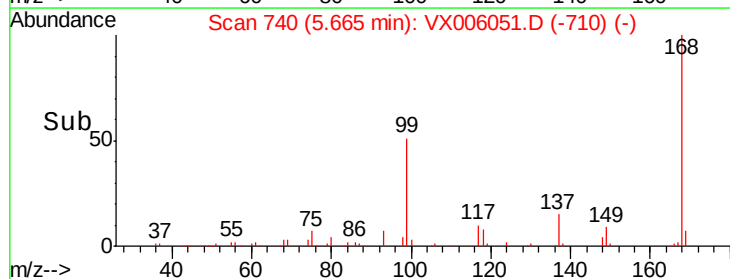
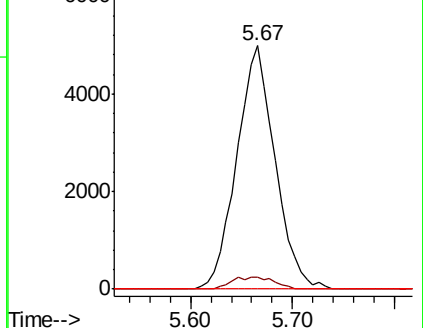
121 0.0 24.6 36.8#

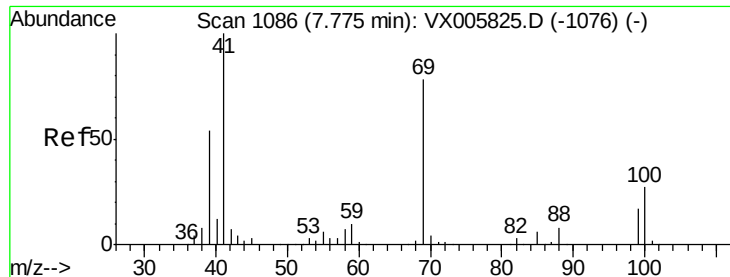


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

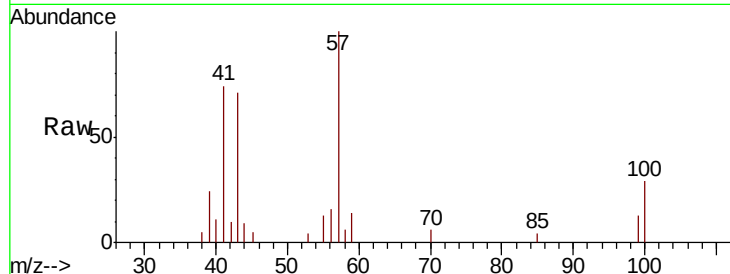




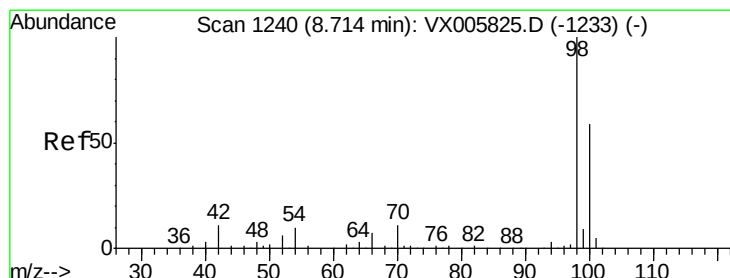
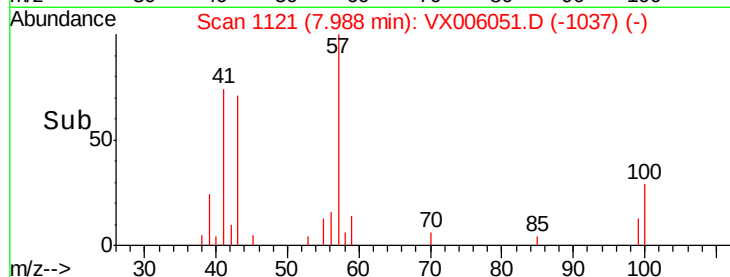
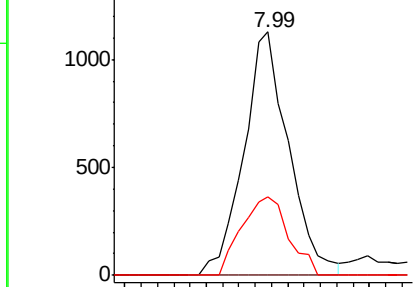
#48
Methvl methacrylate
Concen: 1.301 ug/l
RT: 7.99 min Scan# 1121
Delta R.T. 0.21 min
Lab File: VX006051.D
Acq: 16 Nov 2018 15:48

Instrument :
MSVOA_X
ClientSampled :
MW-3

Tot Ion: 41 Resp: 2163
Ion Ratio Lower Upper
41 100
69 0.0 63.2 94.8#
39 33.7 42.2 63.2#

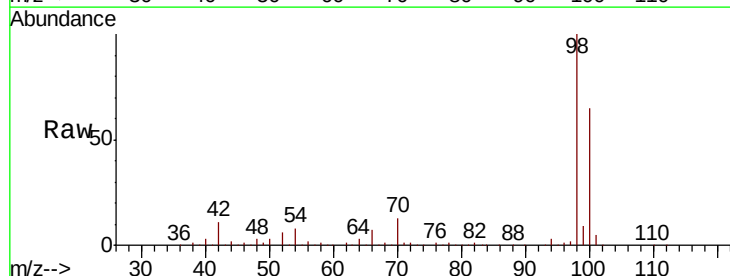


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

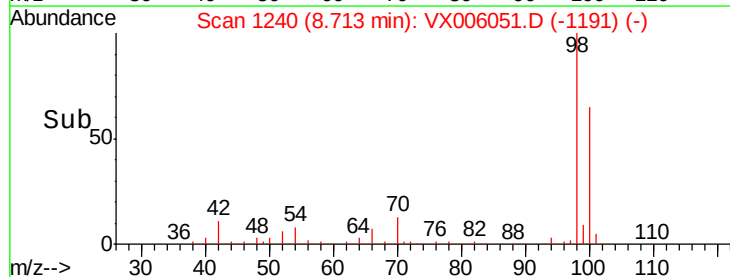
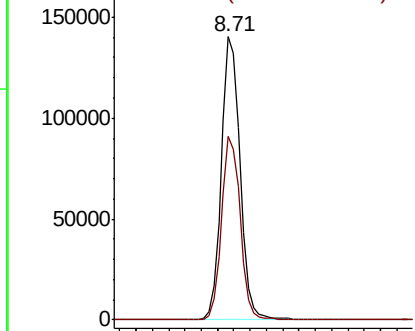


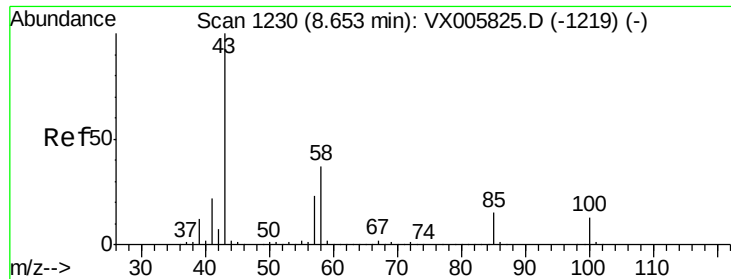
#50
Toluene-d8
Concen: 49.239 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006051.D
Acq: 16 Nov 2018 15:48

Tgt Ion: 98 Resp: 224378
Ion Ratio Lower Upper
98 100
100 64.7 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.423 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.06 min

Lab File: VX006051.D

Acq: 16 Nov 2018 15:48

Instrument :

MSVOA_X

ClientSampled :

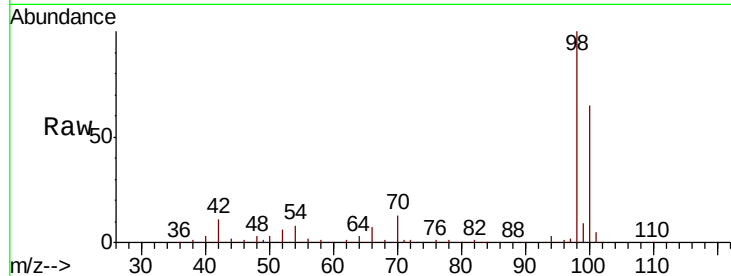
MW-3

Tot Ion: 43 Resp: 986

Ion Ratio Lower Upper

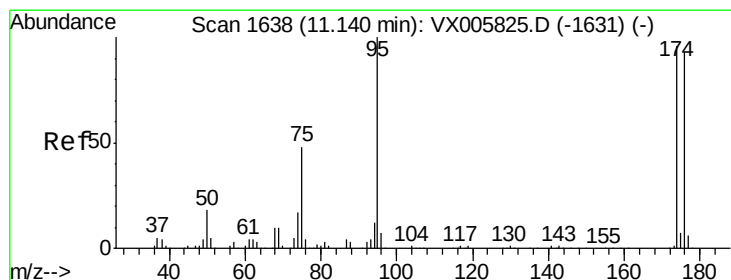
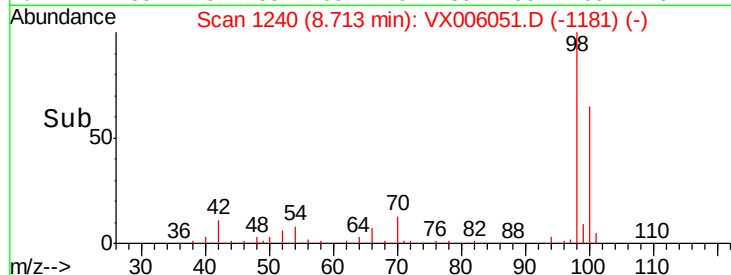
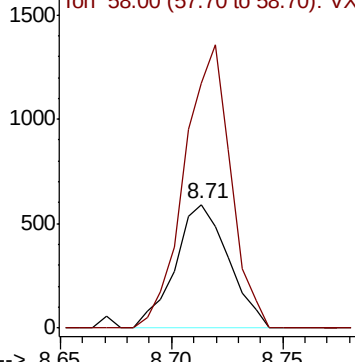
43 100

58 199.2 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 48.786 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006051.D

Acq: 16 Nov 2018 15:48

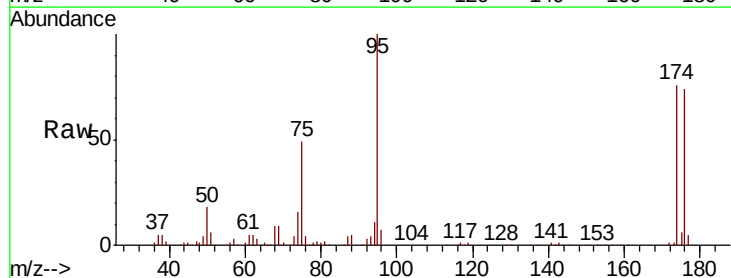
Tgt Ion: 95 Resp: 79930

Ion Ratio Lower Upper

95 100

174 91.0 0.0 184.4

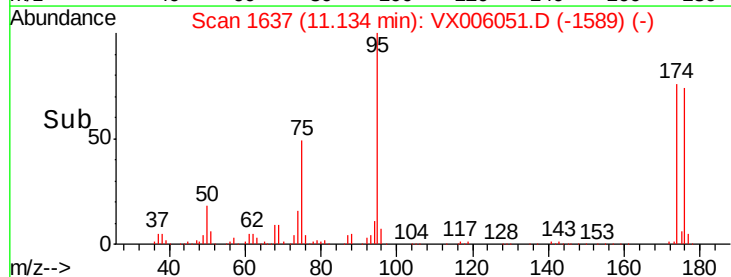
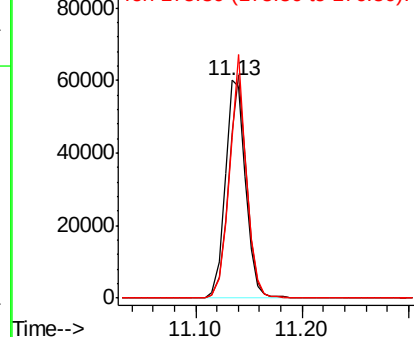
176 92.3 0.0 177.4

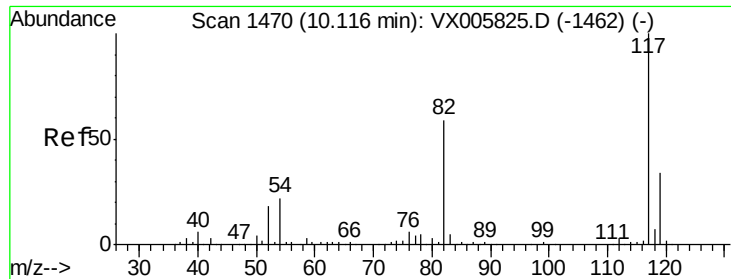


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

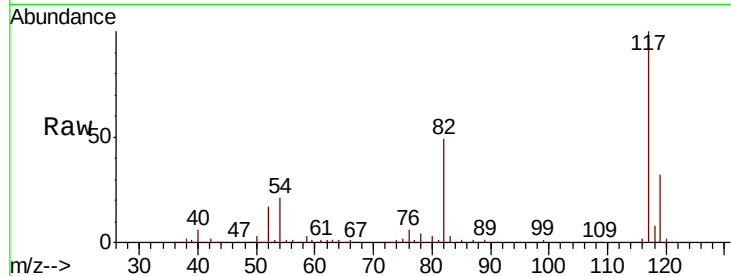




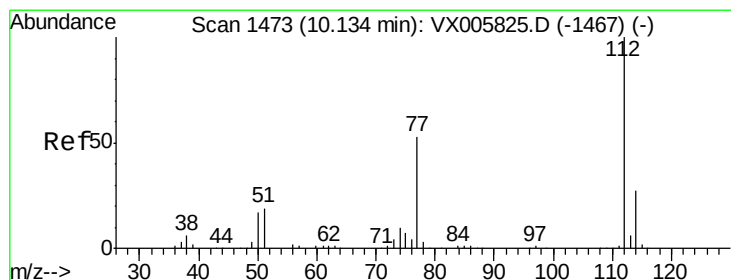
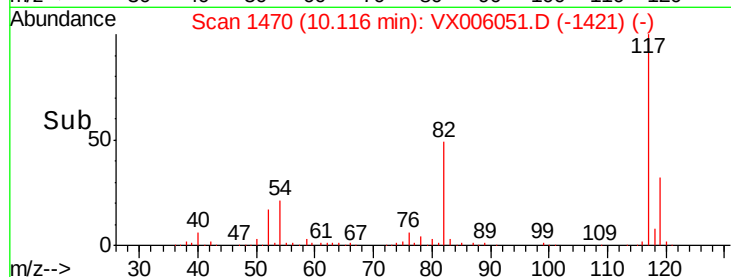
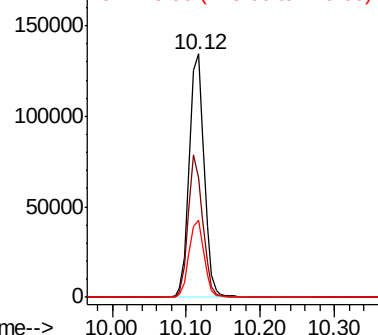
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006051.D
Acq: 16 Nov 2018 15:48

Instrument :
MSVOA_X
ClientSampled :
MW-3

Tot Ion:117 Resp: 185541
Ion Ratio Lower Upper
117 100
82 49.0 44.1 66.1
119 31.7 26.2 39.2

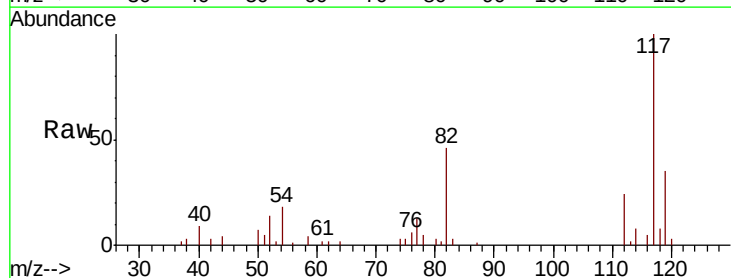


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

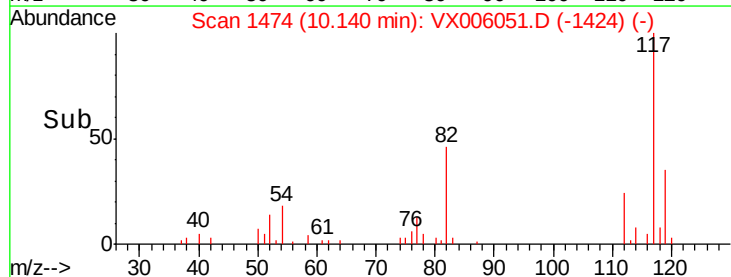
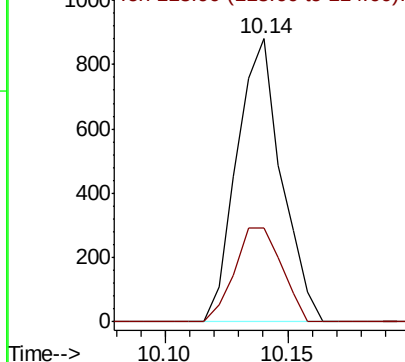


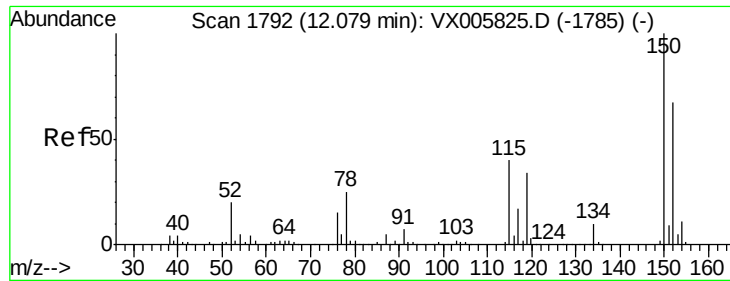
#65
Chlorobenzene
Concen: 0.302 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX006051.D
Acq: 16 Nov 2018 15:48

Tgt Ion:112 Resp: 1122
Ion Ratio Lower Upper
112 100
114 33.4 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): 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: VX006051.D

Acq: 16 Nov 2018 15:48

Instrument :

MSVOA_X

ClientSampleId :

MW-3

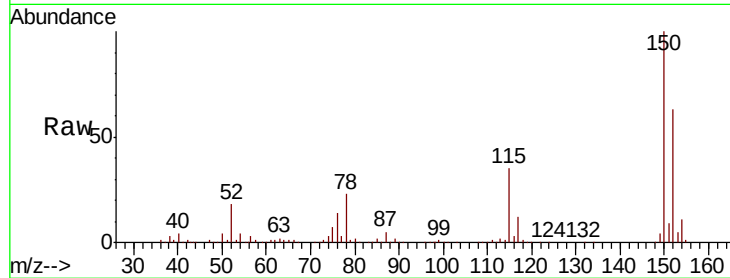
Tot Ion:152 Resp: 98897

Ion Ratio Lower Upper

152 100

115 57.3 39.4 118.1

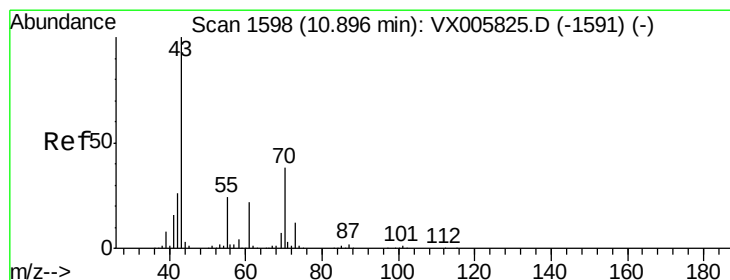
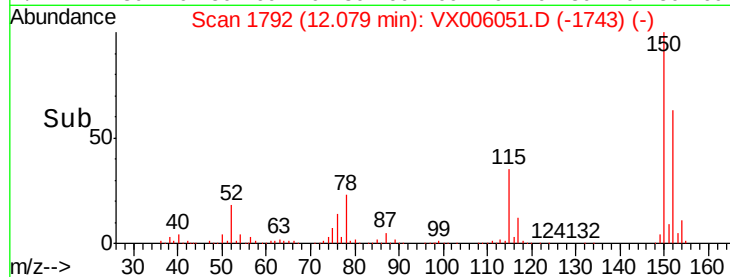
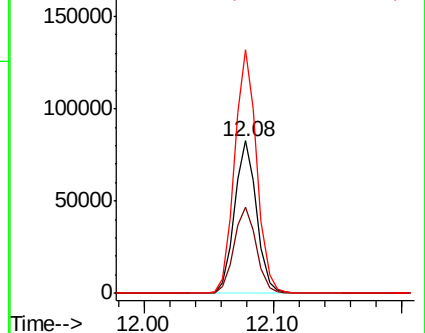
150 160.0 0.0 346.4



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-ethyl acetate

Concen: 1.306 ug/l

RT: 11.15 min Scan# 1640

Delta R.T. 0.26 min

Lab File: VX006051.D

Acq: 16 Nov 2018 15:48

Tgt Ion: 43 Resp: 183

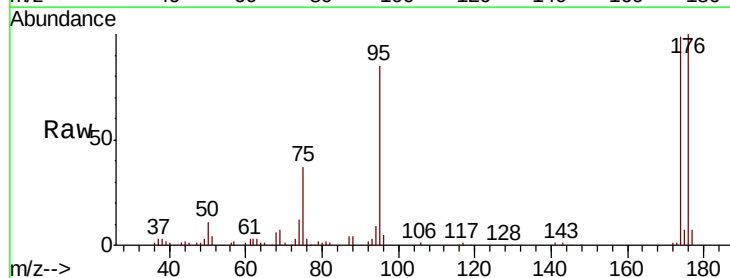
Ion Ratio Lower Upper

43 100

70 323.5 31.6 47.4#

55 110.9 19.7 29.5#

61 1948.6 18.3 27.5#

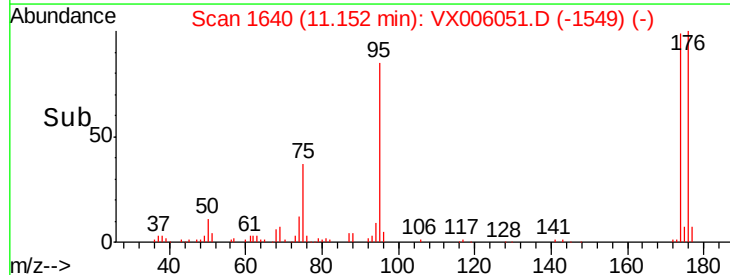
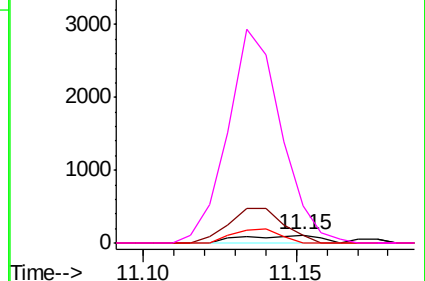


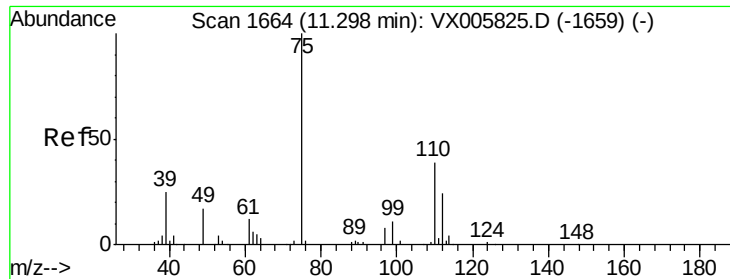
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 19.032 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006051.D

Acq: 16 Nov 2018 15:48

Instrument :

MSVOA_X

ClientSampleId :

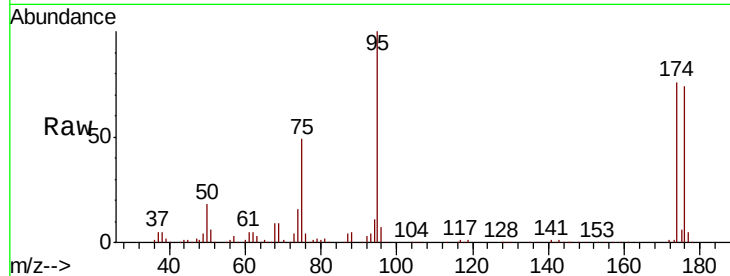
MW-3

Tot Ion: 75 Resp: 38325

Ion Ratio Lower Upper

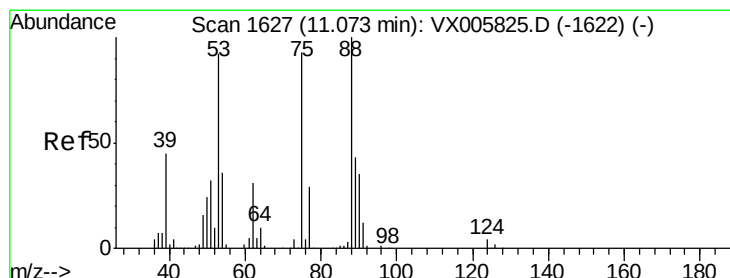
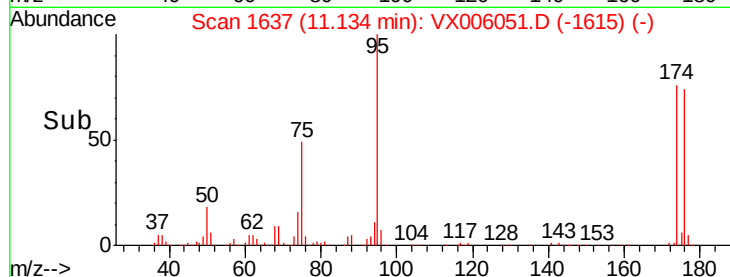
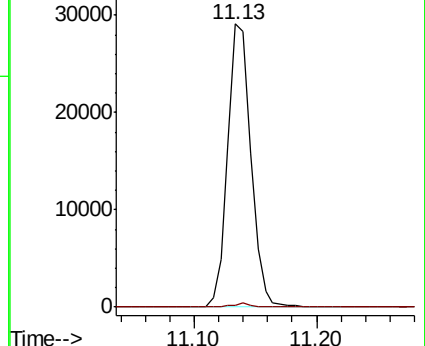
75 100

77 1.2 20.5 61.6#



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: 60.657 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006051.D

Acq: 16 Nov 2018 15:48

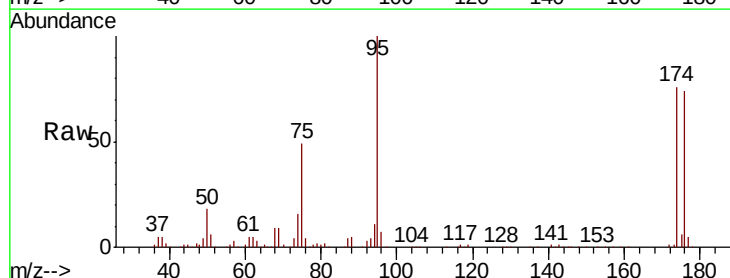
Tgt Ion: 75 Resp: 38325

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

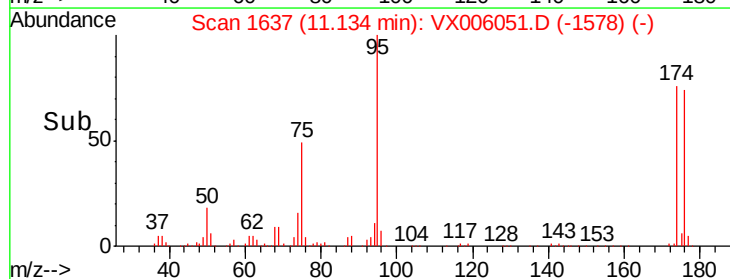
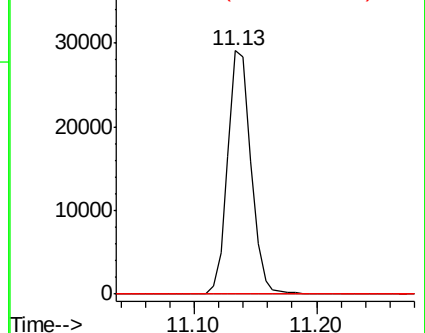
89 0.0 39.8 59.8#

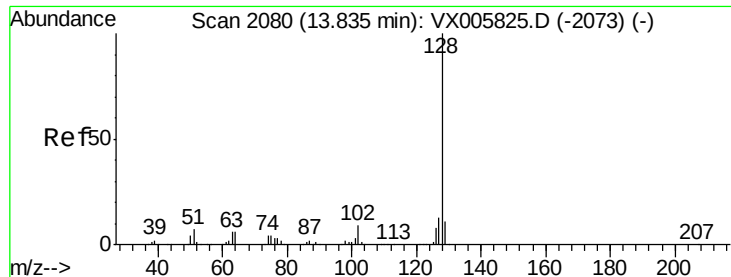


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

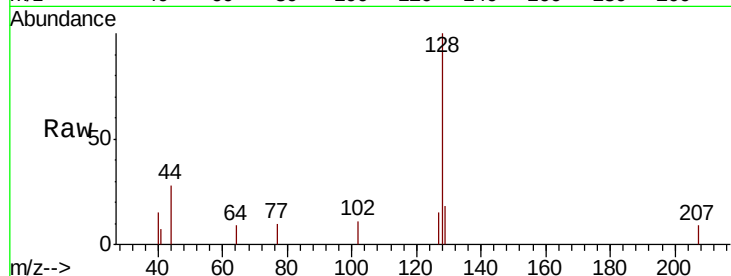




#95
Naphthalene
Concen: 1.325 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006051.D
Acq: 16 Nov 2018 15:48

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.4	15.6
129	13.6	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

