

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111618\
 Data File : VX006056.D
 Acq On : 16 Nov 2018 18:02
 Operator : JC/MD
 Sample : J5968-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1-111418

Quant Time: Nov 17 00:45:17 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	144732	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	200573	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	172738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	75773	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	82529	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
35) Dibromofluoromethane	5.50	113	62661	45.93	ug/l	0.00
Spiked Amount			Recovery	=	91.86%	
50) Toluene-d8	8.72	98	218494	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
62) 4-Bromofluorobenzene	11.14	95	70583	43.29	ug/l	0.00
Spiked Amount			Recovery	=	86.58%	

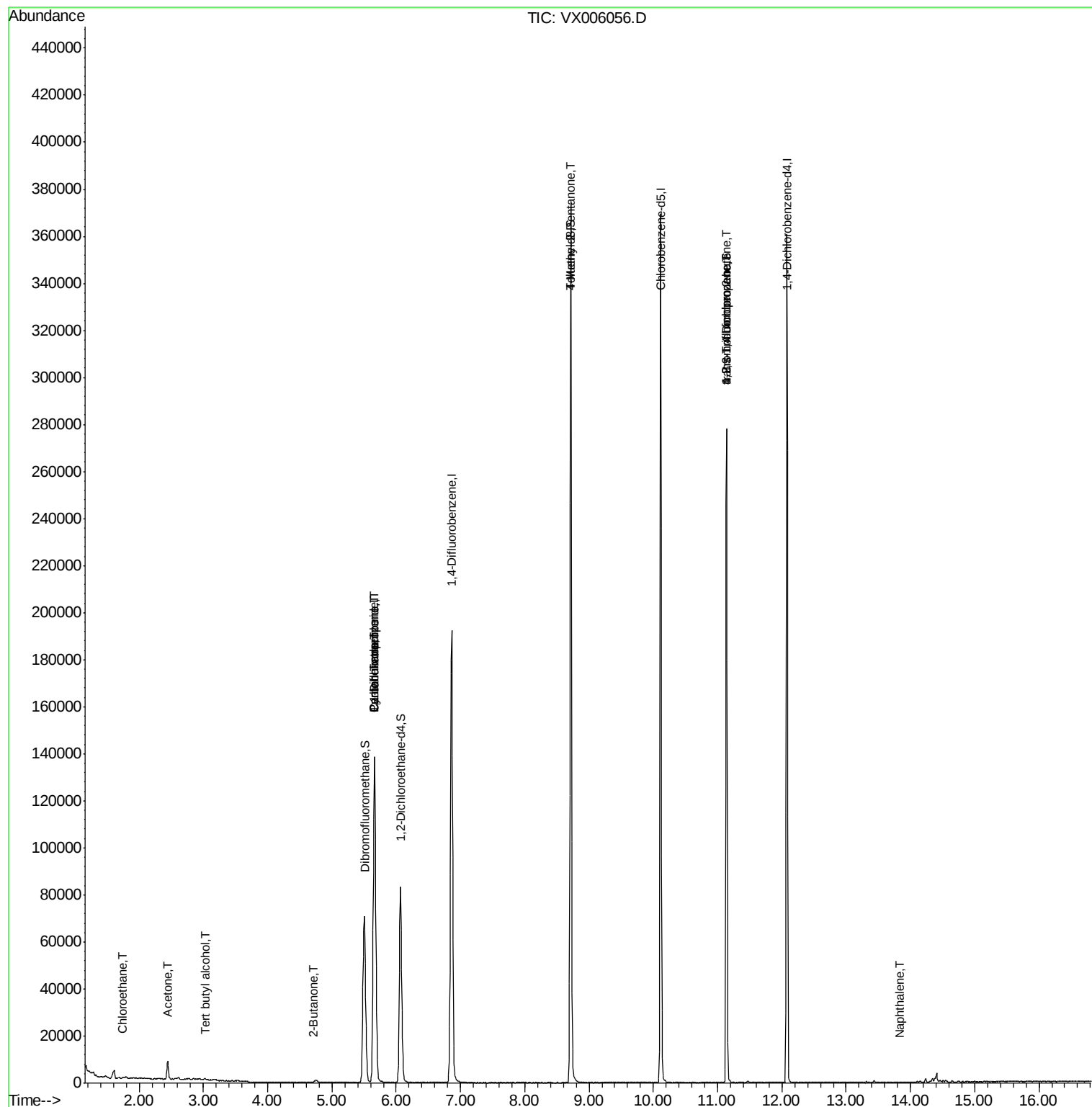
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.74	64	1035	1.009	ug/l #	42
11) Tert butyl alcohol	3.02	59	486	1.020	ug/l #	72
16) Acetone	2.45	43	8091	9.031	ug/l	99
18) Methyl Acetate	2.77	43	130	Below Cal	#	55
25) 2-Butanone	4.70	43	422	0.300	ug/l #	51
31) Cyclohexane	5.67	56	2538	1.095	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	9573	4.951	ug/l #	48
38) Carbon Tetrachloride	5.66	117	11797	6.094	ug/l #	15
51) 4-Methyl-2-Pentanone	8.71	43	857	0.369	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	34607	22.430	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	34607	71.487	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	20	Below Cal	#	31
95) Naphthalene	13.83	128	42	1.185	ug/l #	69

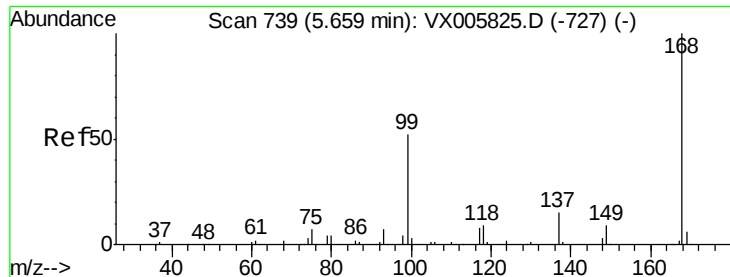
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX006056.D

Acq: 16 Nov 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

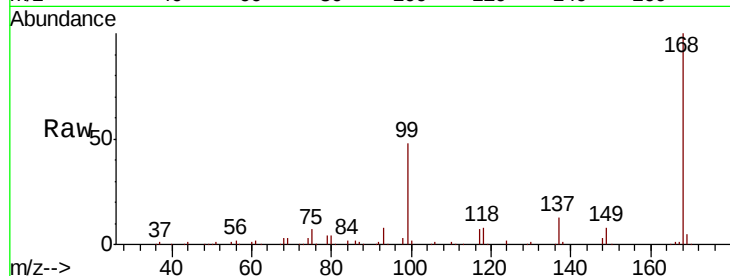
MW-1-111418

Tot Ion:168 Resp: 144732

Ion Ratio Lower Upper

168 100

99 48.2 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

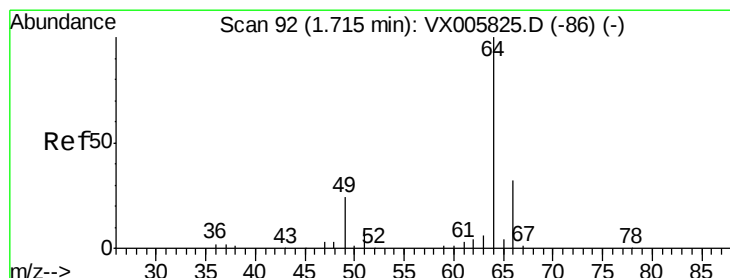
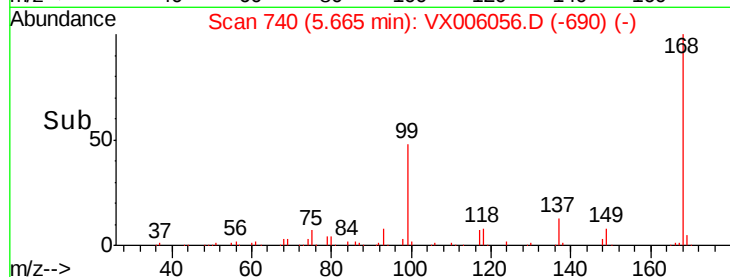
20000

10000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#6

Chloroethane

Concen: 1.009 ug/l

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX006056.D

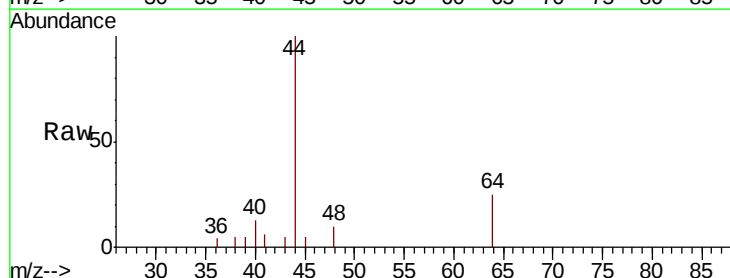
Acq: 16 Nov 2018 18:02

Tgt Ion: 64 Resp: 1035

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

500

400

300

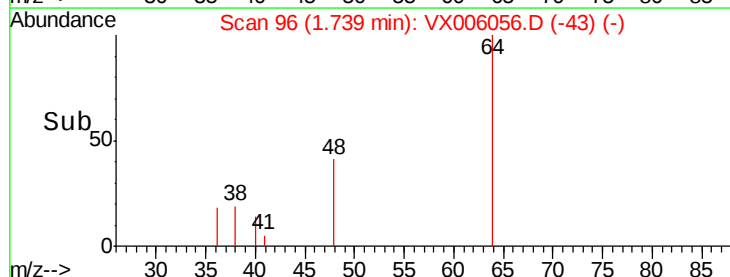
200

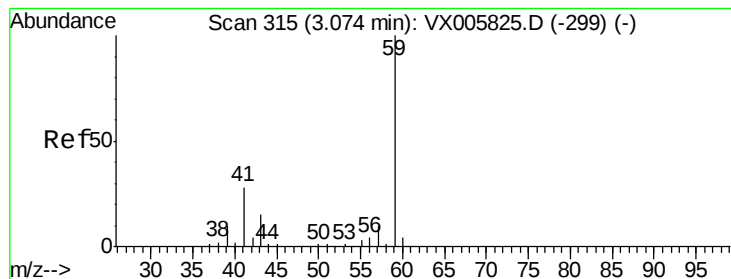
100

0

Time-->

1.65 1.70 1.75





#11

Tert butyl alcohol

Concen: 1.020 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX006056.D

Acq: 16 Nov 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

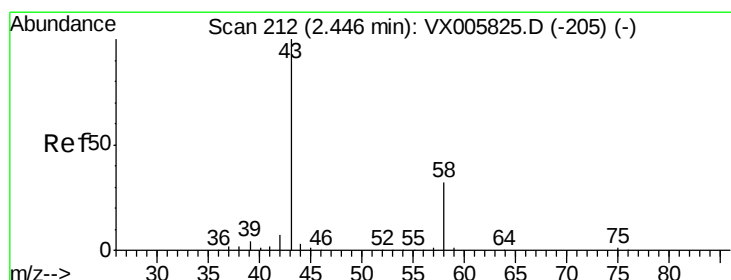
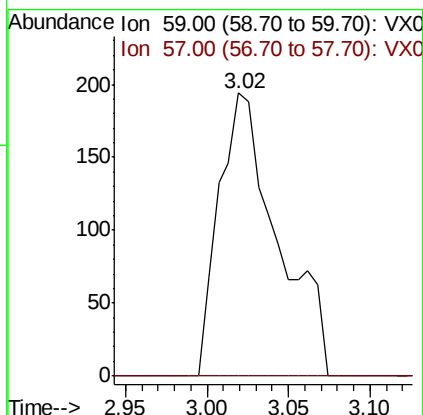
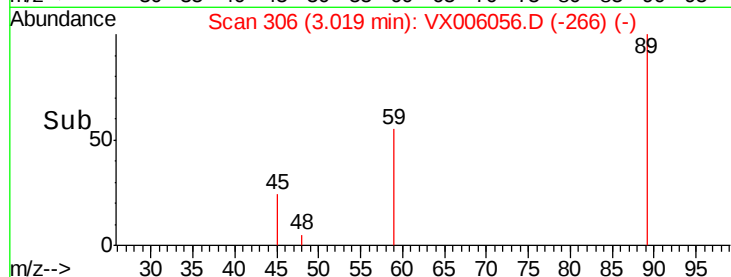
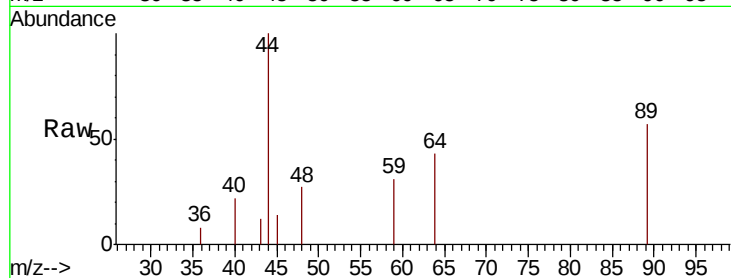
MW-1-111418

Tot Ion: 59 Resp: 486

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#16

Acetone

Concen: 9.031 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006056.D

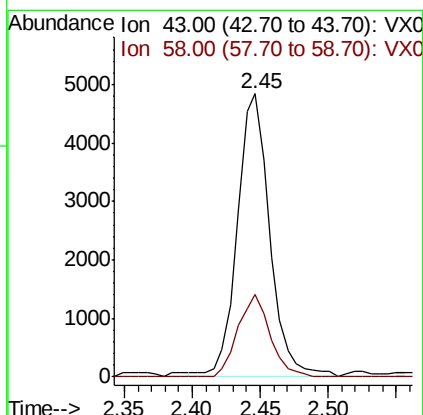
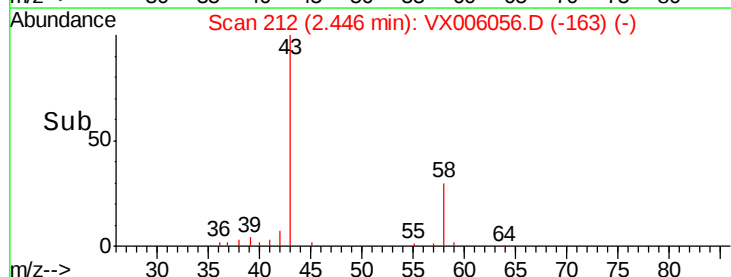
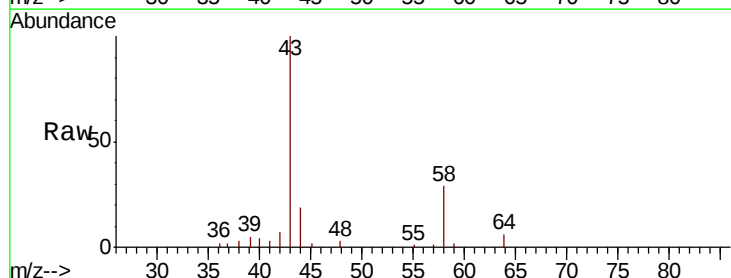
Acq: 16 Nov 2018 18:02

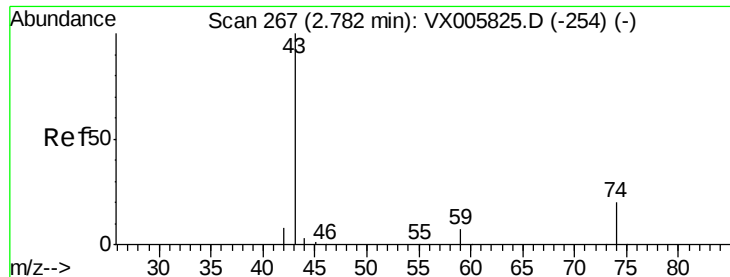
Tgt Ion: 43 Resp: 8091

Ion Ratio Lower Upper

43 100

58 29.2 23.8 35.6

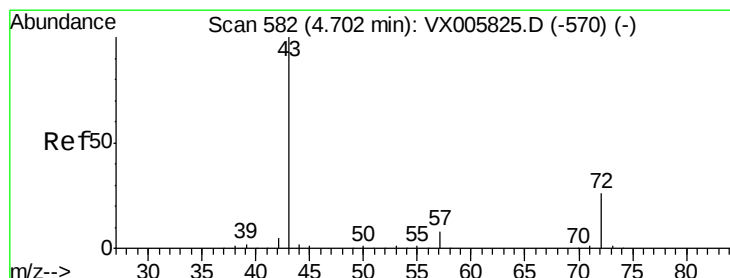
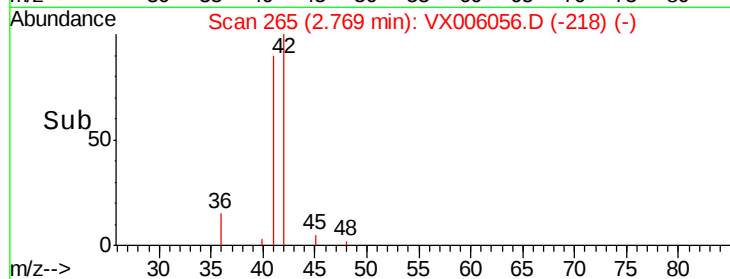
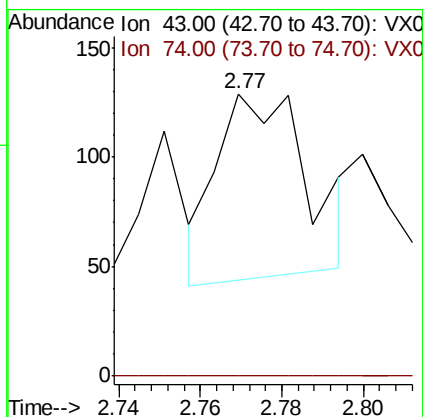
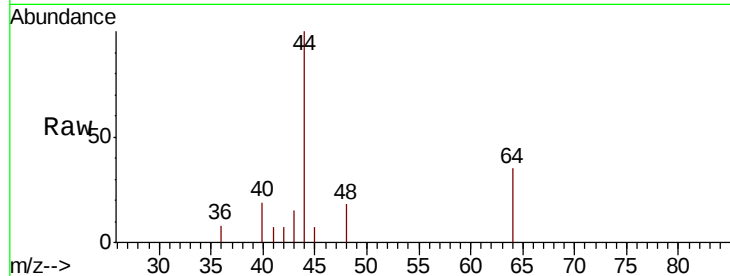




#18
Methyl Acetate
Concen: Below Cal
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX006056.D
Acq: 16 Nov 2018 18:02

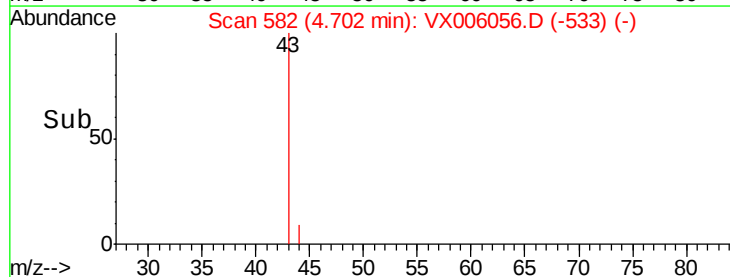
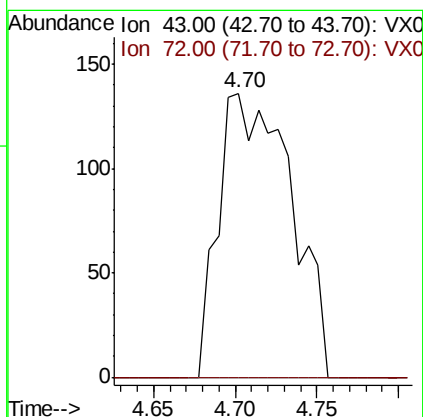
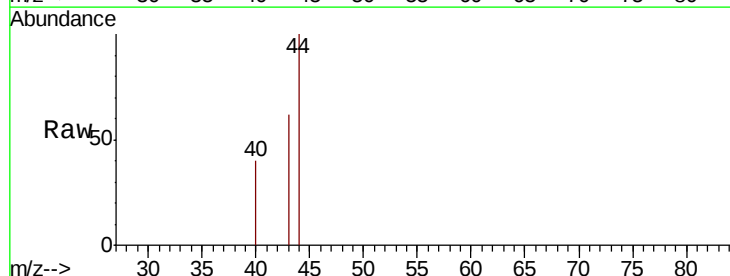
Instrument :
MSVOA_X
ClientSampled :
MW-1-111418

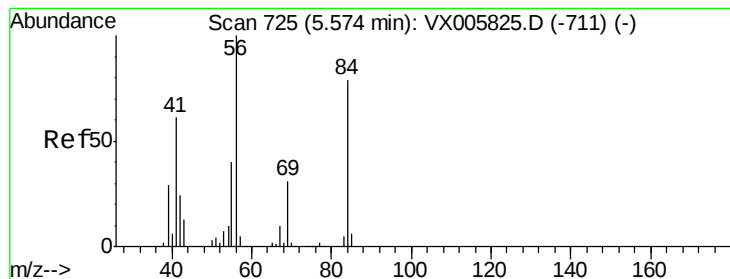
Tot Ion: 43 Resp: 130
Ion Ratio Lower Upper
43 100
74 0.0 16.8 25.2#



#25
2-Butanone
Concen: 0.300 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX006056.D
Acq: 16 Nov 2018 18:02

Tgt Ion: 43 Resp: 422
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#





#31

Cyclohexane

Concen: 1.095 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX006056.D

Acq: 16 Nov 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

MW-1-111418

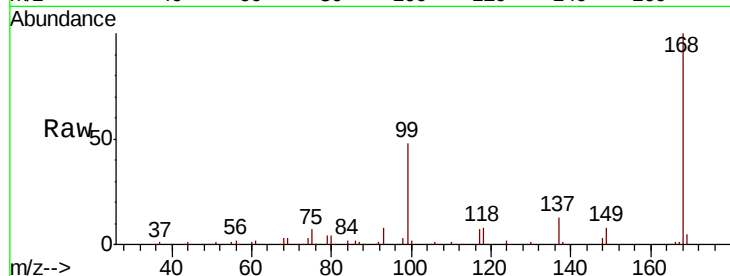
Tot Ion: 56 Resp: 2538

Ion Ratio Lower Upper

56 100

69 171.7 22.6 34.0#

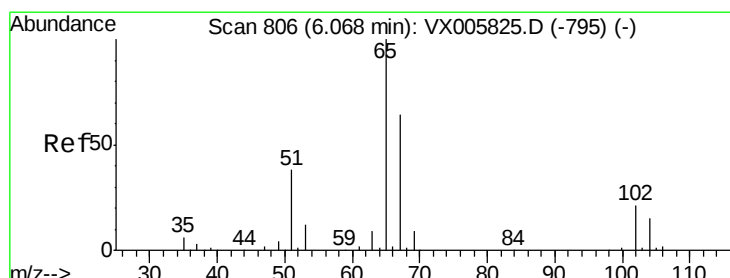
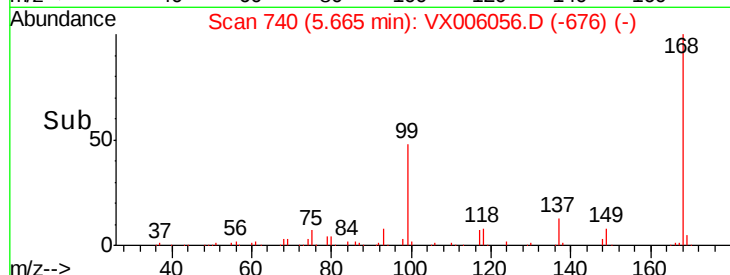
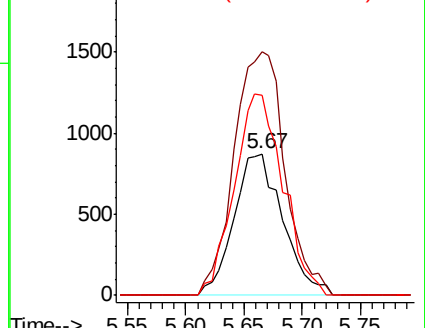
84 141.4 62.7 94.1#



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: 49.600 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006056.D

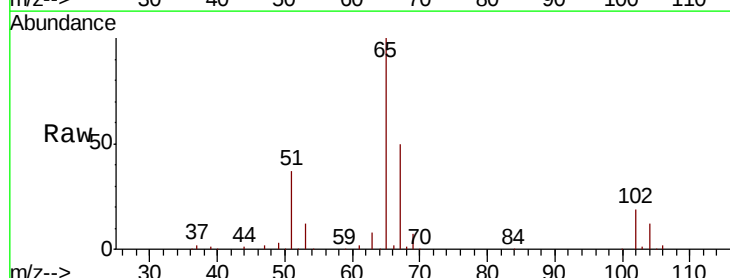
Acq: 16 Nov 2018 18:02

Tgt Ion: 65 Resp: 82529

Ion Ratio Lower Upper

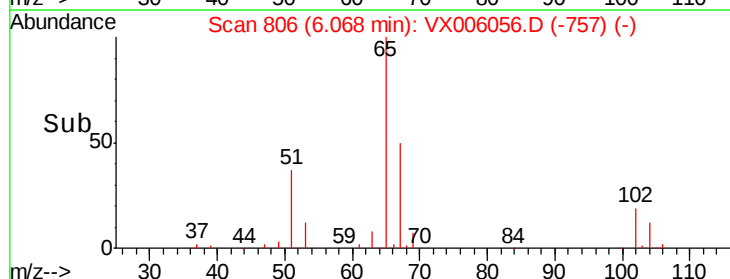
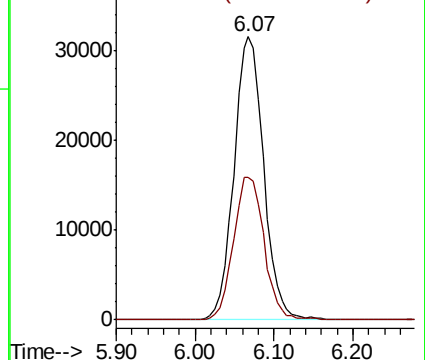
65 100

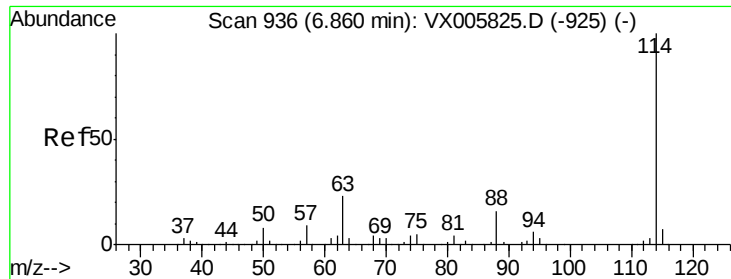
67 52.3 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

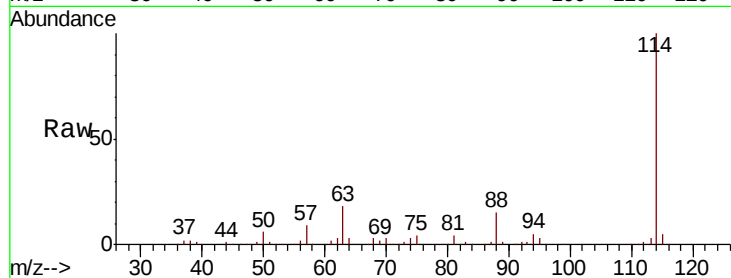




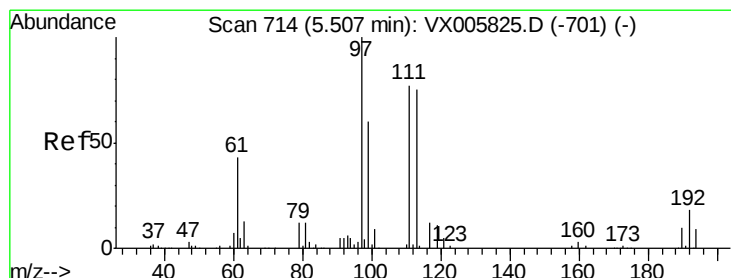
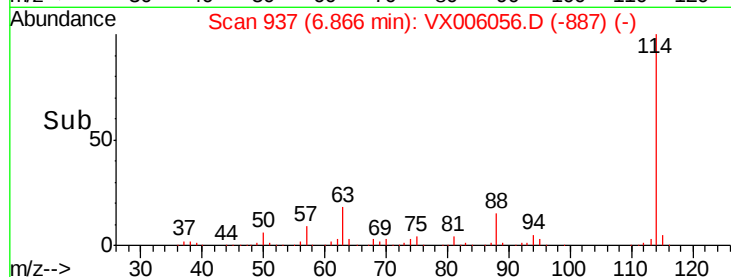
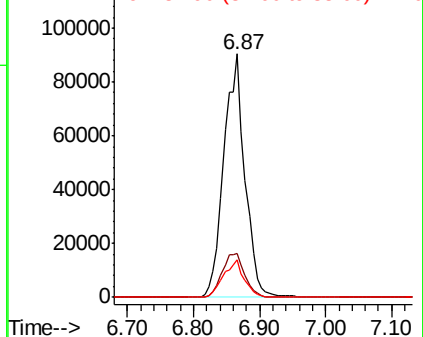
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 937
Delta R.T. 0.01 min
Lab File: VX006056.D
Acq: 16 Nov 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
MW-1-111418

Tot Ion:114 Resp: 200573
Ion Ratio Lower Upper
114 100
63 18.1 0.0 42.8
88 15.2 0.0 31.2

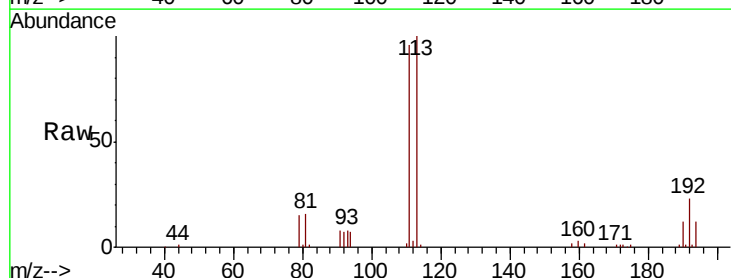


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

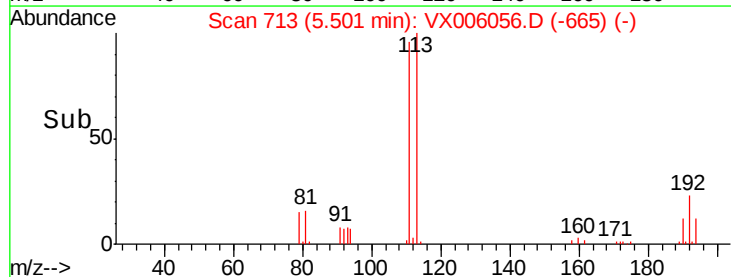
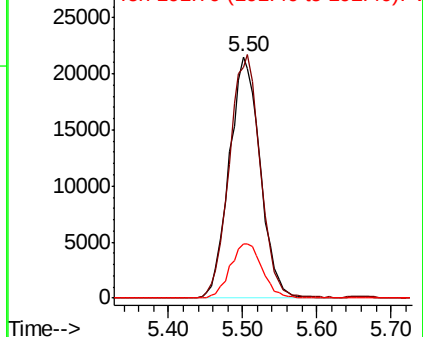


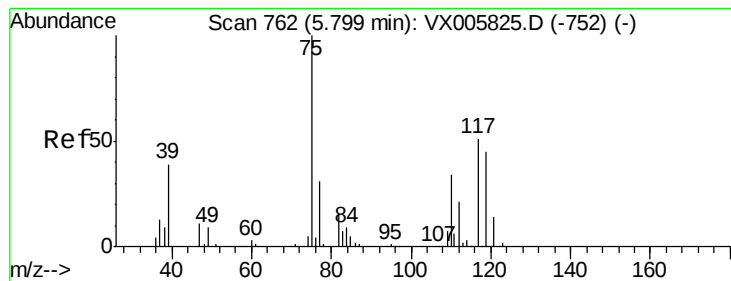
#35
Dibromofluoromethane
Concen: 45.932 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.01 min
Lab File: VX006056.D
Acq: 16 Nov 2018 18:02

Tgt Ion:113 Resp: 62661
Ion Ratio Lower Upper
113 100
111 101.3 82.3 123.5
192 23.1 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: 4.951 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006056.D

Acq: 16 Nov 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

MW-1-111418

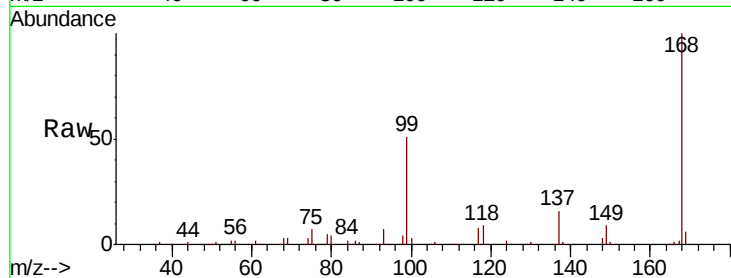
Tot Ion: 75 Resp: 9573

Ion Ratio Lower Upper

75 100

110 7.7 17.4 52.2#

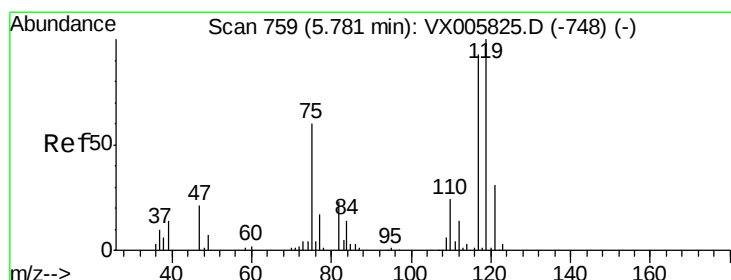
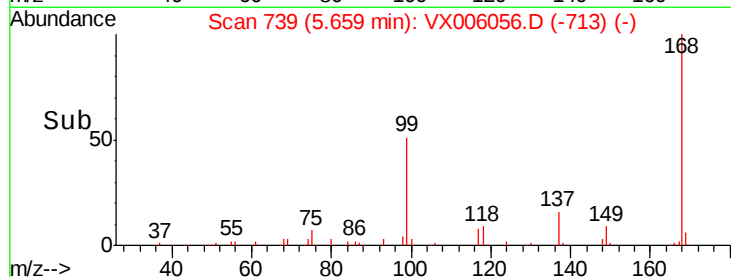
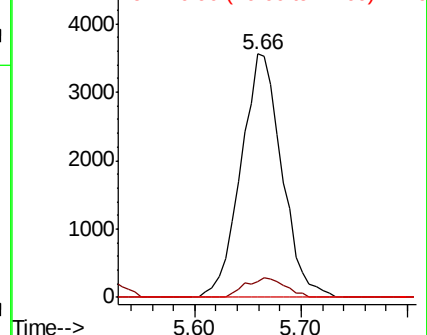
77 0.0 25.8 38.6#



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



#38

Carbon Tetrachloride

Concen: 6.094 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006056.D

Acq: 16 Nov 2018 18:02

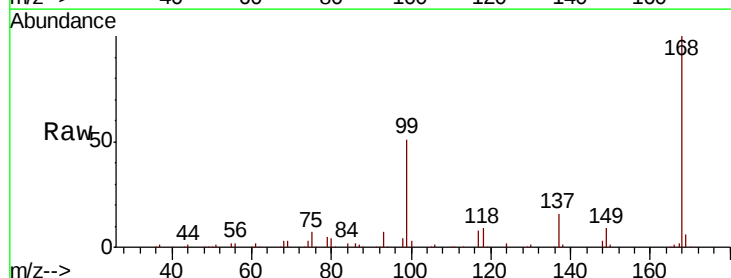
Tgt Ion: 117 Resp: 11797

Ion Ratio Lower Upper

117 100

119 4.9 78.1 117.1#

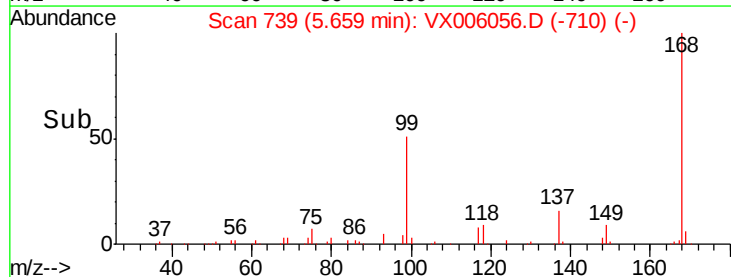
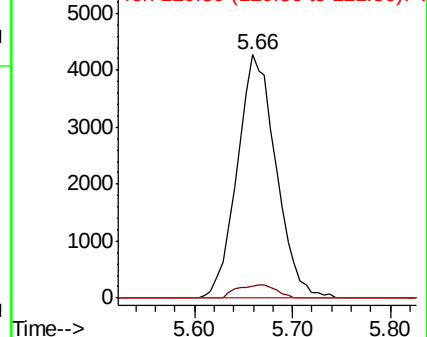
121 0.0 24.6 36.8#

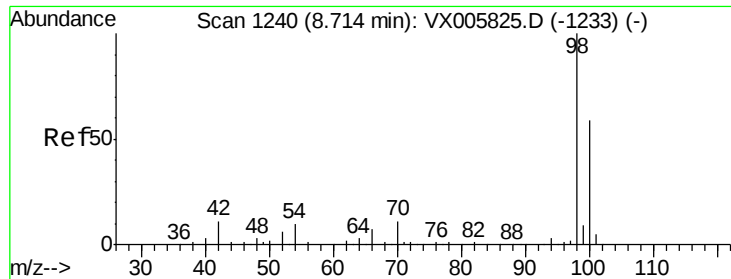


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 48.175 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VX006056.D

Acq: 16 Nov 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

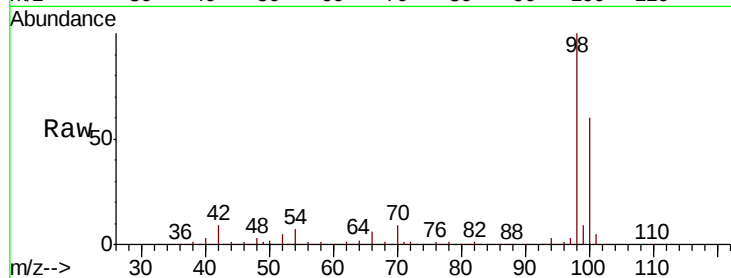
MW-1-111418

Tot Ion: 98 Resp: 218494

Ion Ratio Lower Upper

98 100

100 64.6 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

150000

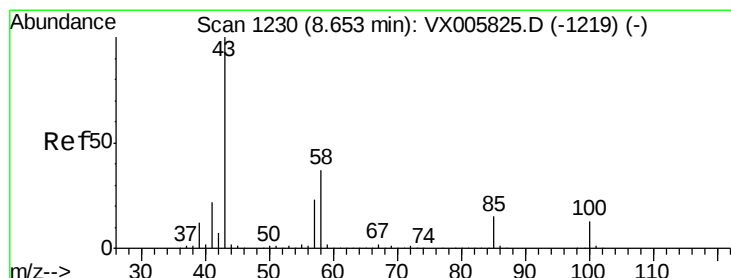
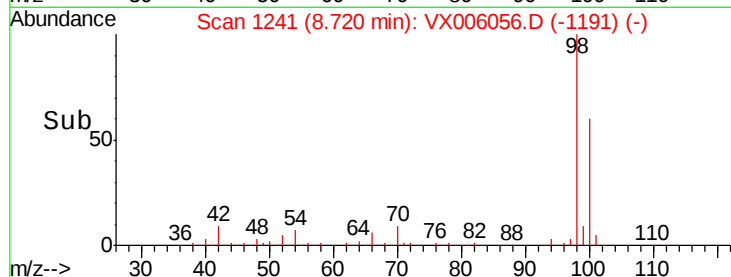
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.369 ug/l

RT: 8.71 min Scan# 1239

Delta R.T. 0.05 min

Lab File: VX006056.D

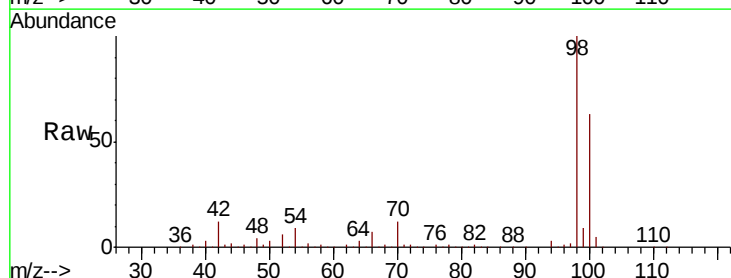
Acq: 16 Nov 2018 18:02

Tgt Ion: 43 Resp: 857

Ion Ratio Lower Upper

43 100

58 193.1 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

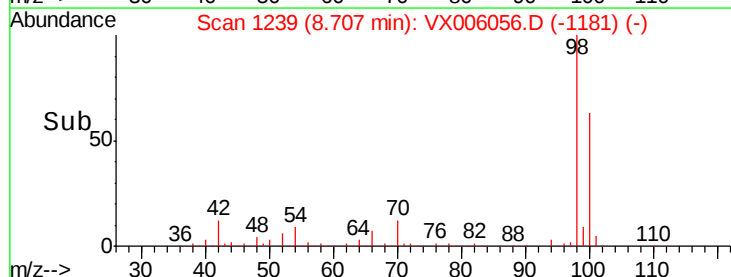
400

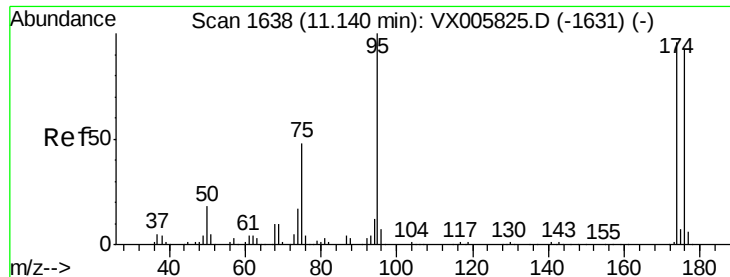
200

0

8.65 8.70 8.75

Time-->

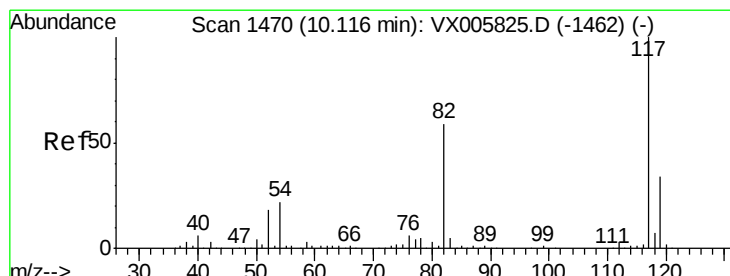
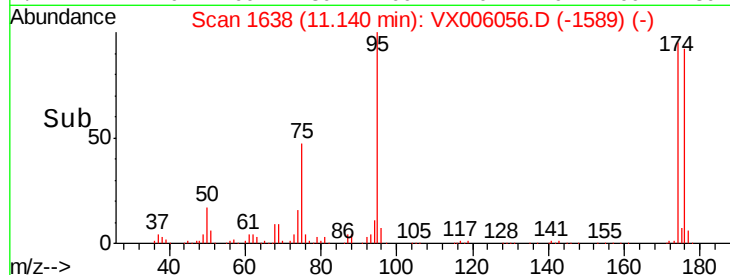
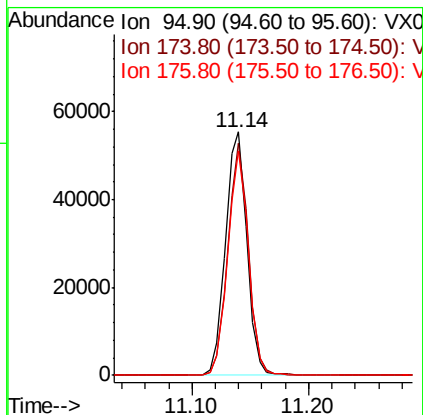
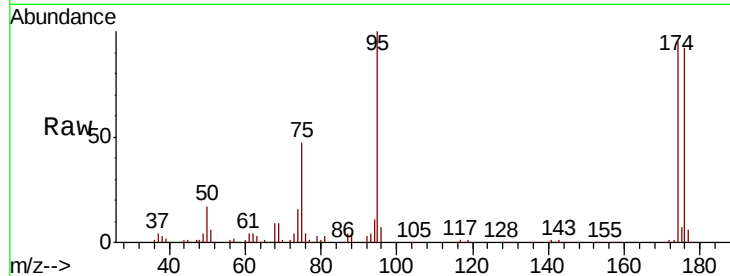




#62
4-Bromofluorobenzene
Concen: 43.286 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX006056.D
Acq: 16 Nov 2018 18:02

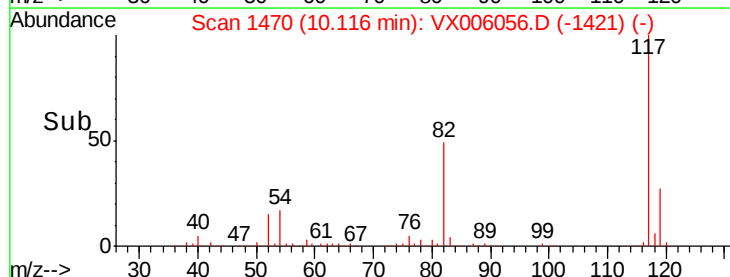
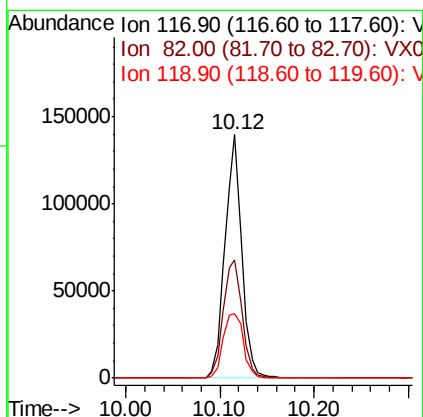
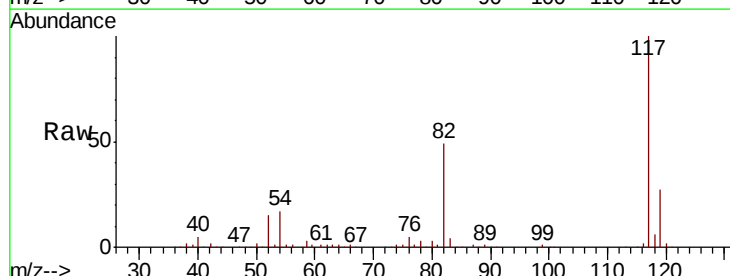
Instrument :
MSVOA_X
ClientSampleId :
MW-1-111418

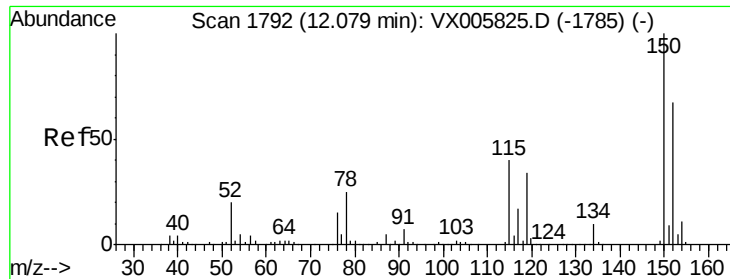
Tot Ion: 95 Resp: 70583
Ion Ratio Lower Upper
95 100
174 92.3 0.0 184.4
176 89.2 0.0 177.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006056.D
Acq: 16 Nov 2018 18:02

Tgt Ion: 117 Resp: 172738
Ion Ratio Lower Upper
117 100
82 48.6 44.1 66.1
119 26.6 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006056.D

Acq: 16 Nov 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

MW-1-111418

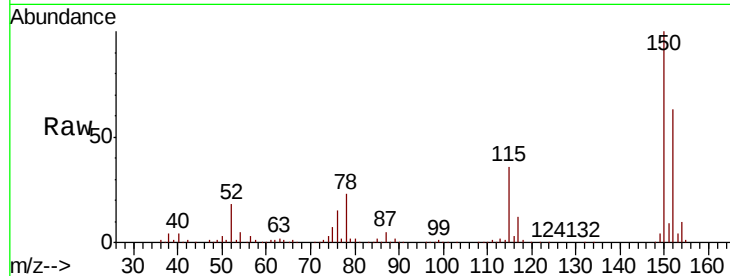
Tot Ion:152 Resp: 75773

Ion Ratio Lower Upper

152 100

115 56.2 39.4 118.1

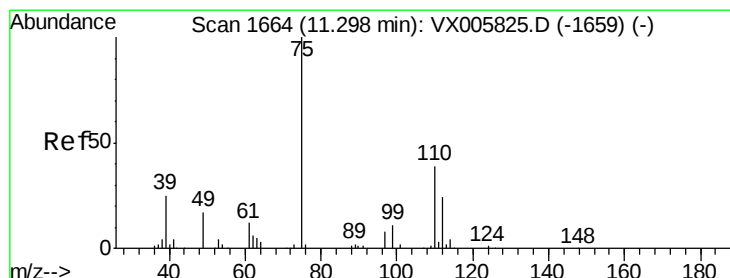
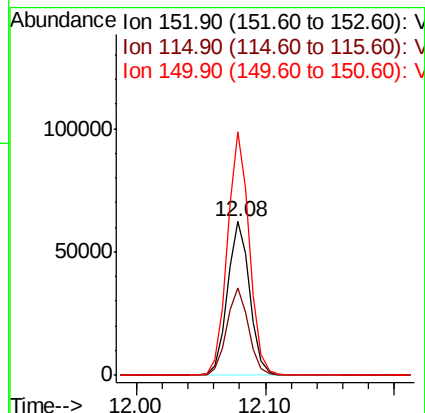
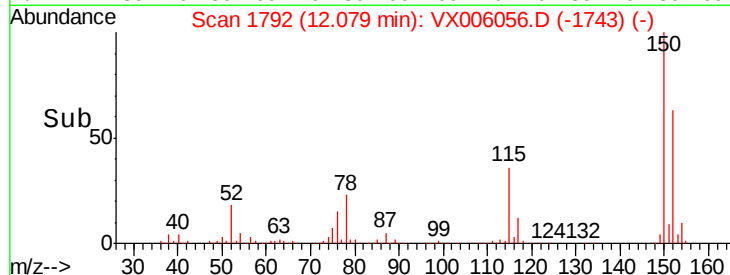
150 156.1 0.0 346.4



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: 22.430 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX006056.D

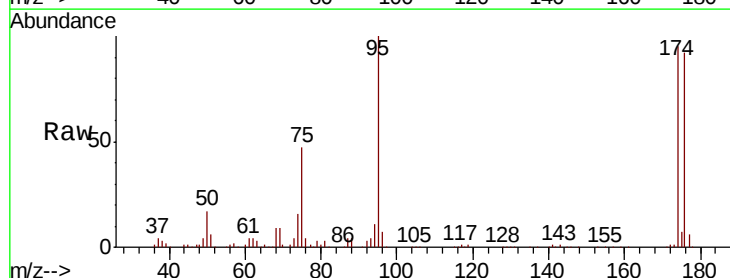
Acq: 16 Nov 2018 18:02

Tgt Ion: 75 Resp: 34607

Ion Ratio Lower Upper

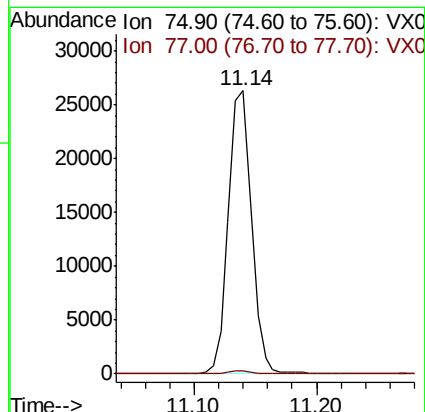
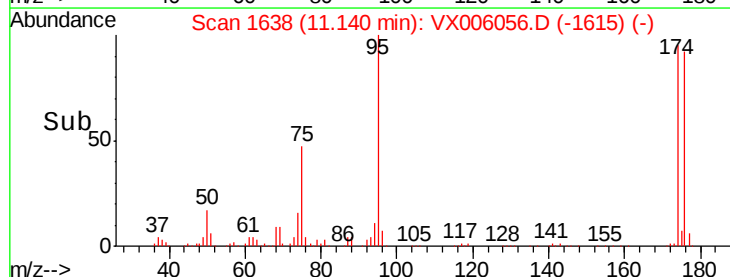
75 100

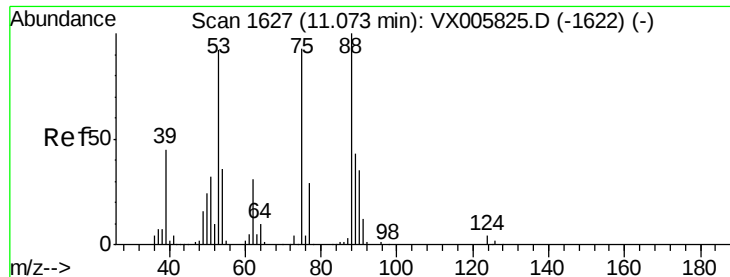
77 1.1 20.5 61.6#



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: 71.487 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX006056.D

Acq: 16 Nov 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

MW-1-111418

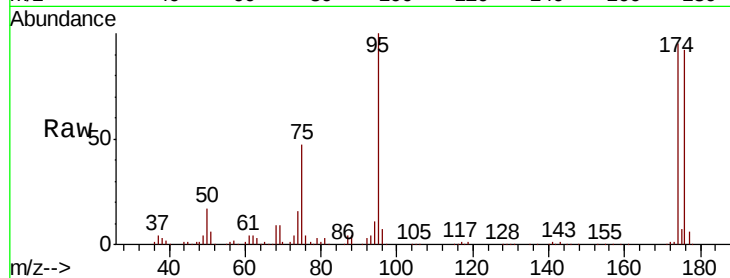
Tot Ion: 75 Resp: 34607

Ion Ratio Lower Upper

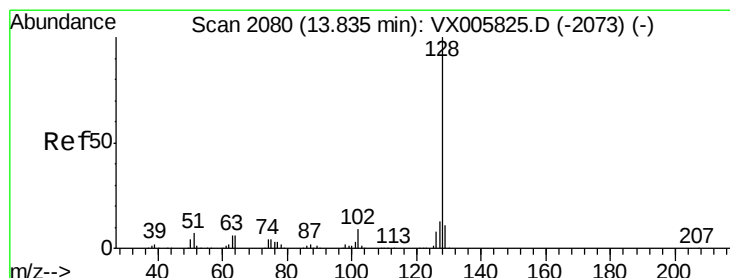
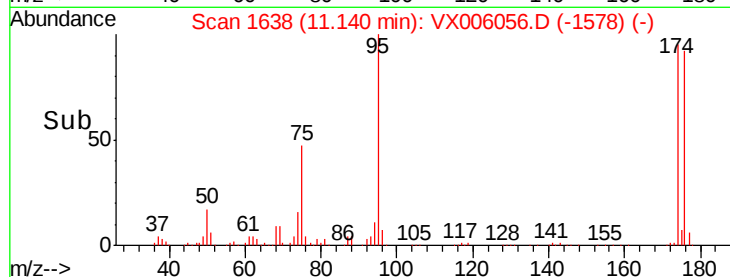
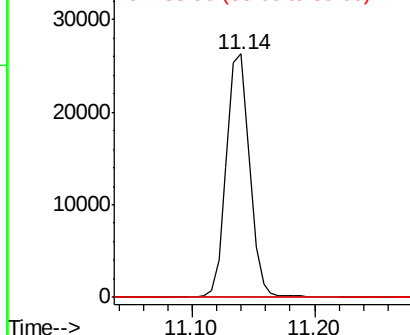
75 100

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: 1.185 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006056.D

Acq: 16 Nov 2018 18:02

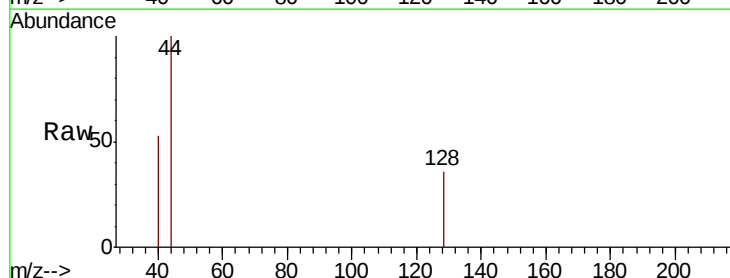
Tgt Ion: 128 Resp: 42

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

