

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092618\
 Data File : VX004756.D
 Acq On : 27 Sep 2018 06:25
 Operator : JC/MD
 Sample : J5020-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-3-9.0-091918

Quant Time: Sep 27 07:22:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	267879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	429262	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	413159	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	240822	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	194459	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
35) Dibromofluoromethane	5.51	113	162335	44.62	ug/l	0.00
Spiked Amount			Recovery	=	89.24%	
50) Toluene-d8	8.72	98	616758	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	11.14	95	234968	53.93	ug/l	0.00
Spiked Amount			Recovery	=	107.86%	

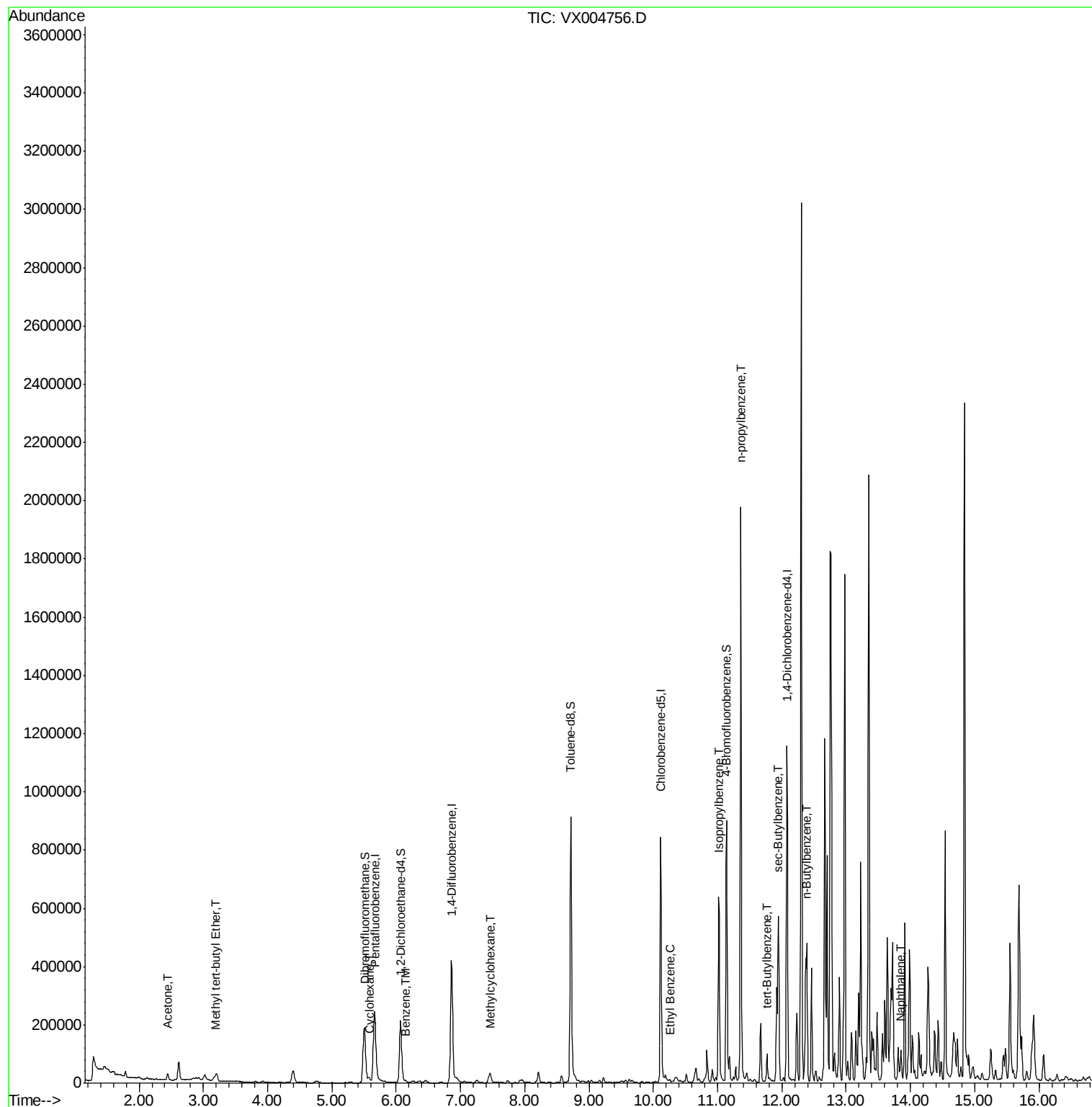
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	22832	10.220	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	27154	2.712	ug/l	97
31) Cyclohexane	5.57	56	10767	2.211	ug/l #	78
39) Methylcyclohexane	7.46	83	13612	2.686	ug/l	89
40) Benzene	6.15	78	6723	0.433	ug/l	92
67) Ethyl Benzene	10.26	91	4491	0.267	ug/l	97
73) Isopropylbenzene	11.02	105	348010	22.927	ug/l	100
78) n-propylbenzene	11.36	91	1239756	71.183	ug/l	99
83) tert-Butylbenzene	11.77	119	38430	3.075	ug/l	89
85) sec-Butylbenzene	11.94	105	313695	20.607	ug/l #	76
89) n-Butylbenzene	12.39	91	224041	17.887	ug/l #	83
95) Naphthalene	13.83	128	15998	1.507	ug/l #	75

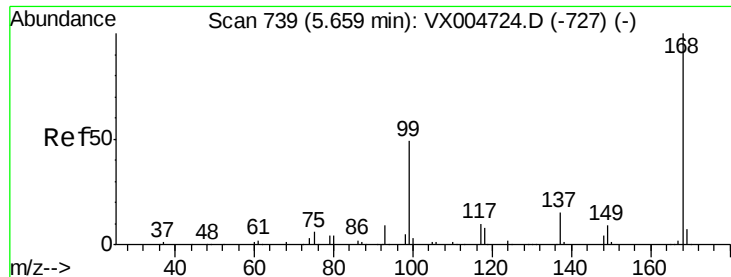
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX004756.D

Acq: 27 Sep 2018 06:25

Instrument :

MSVOA_X

ClientSampleId :

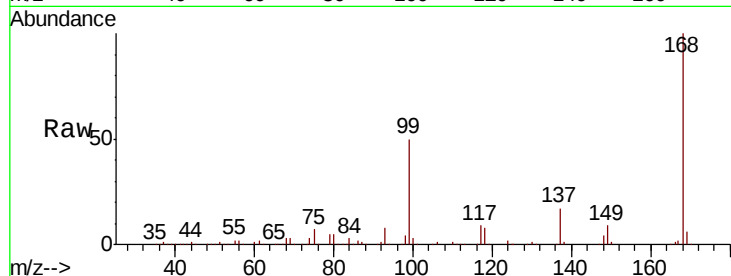
T3-MW-3-9.0-091918

Tot Ion:168 Resp: 267879

Ion Ratio Lower Upper

168 100

99 49.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

40000

20000

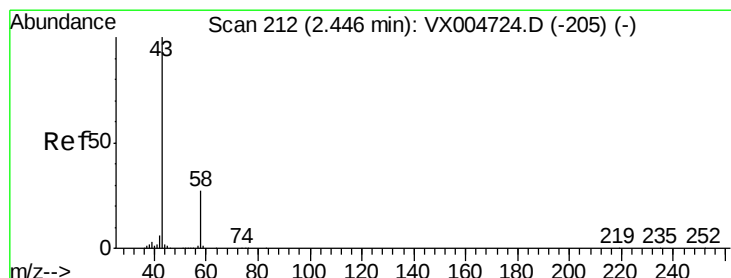
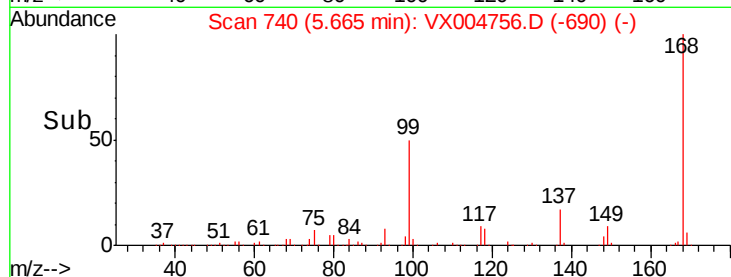
0

Time-->

5.60

5.80

6.00



#16

Acetone

Concen: 10.220 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004756.D

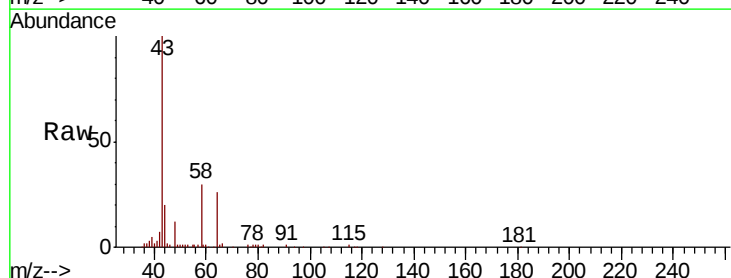
Acq: 27 Sep 2018 06:25

Tgt Ion: 43 Resp: 22832

Ion Ratio Lower Upper

43 100

58 30.3 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

15000

10000

5000

0

Time-->

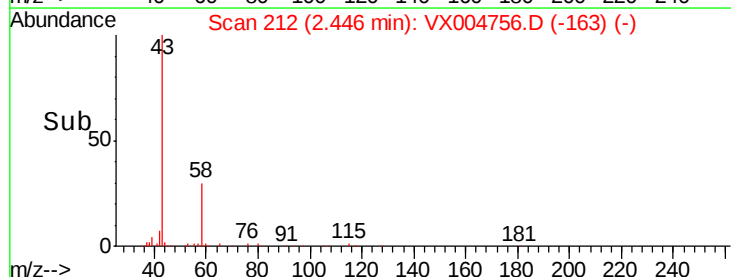
2.35

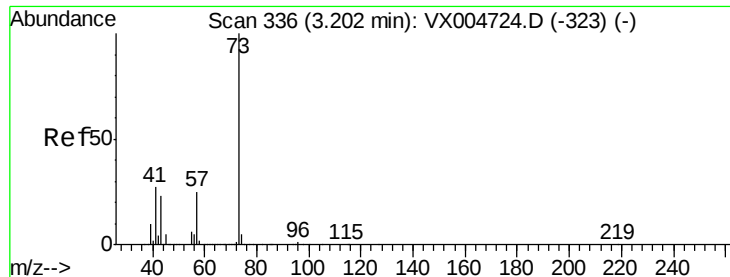
2.40

2.45

2.50

2.55



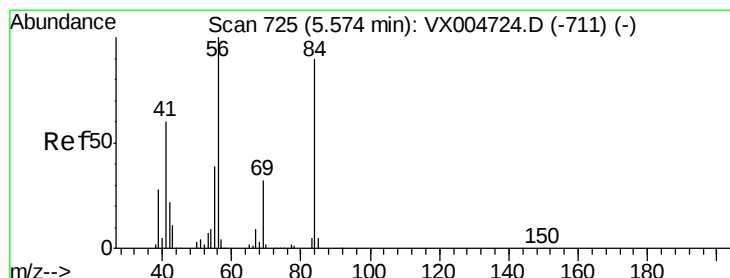
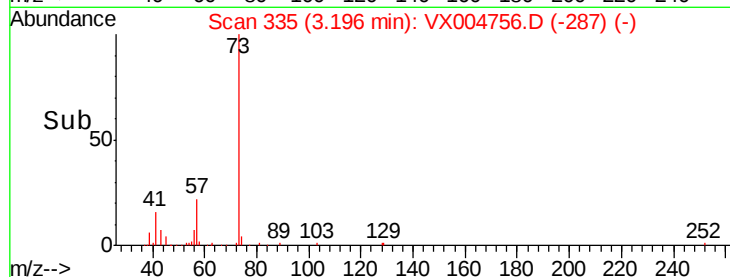
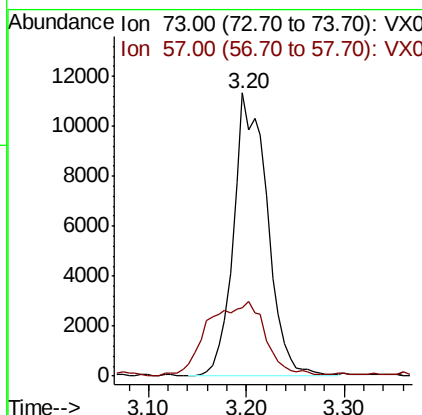
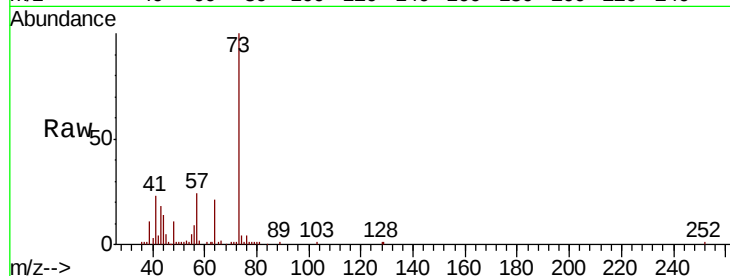


#19

Methvl tert-butvl Ether
 Concen: 2.712 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.01 min
 Lab File: VX004756.D
 Acq: 27 Sep 2018 06:25

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-3-9.0-091918

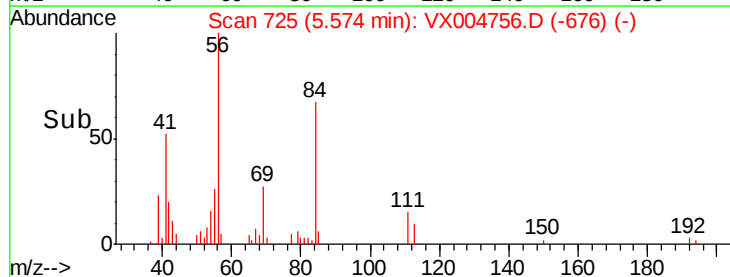
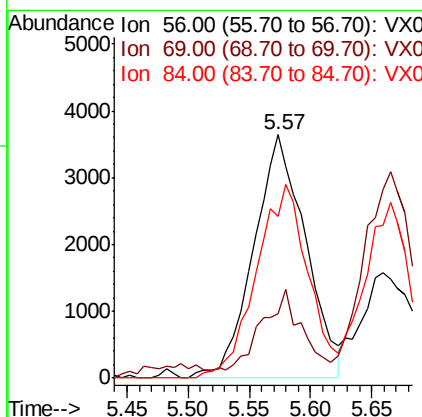
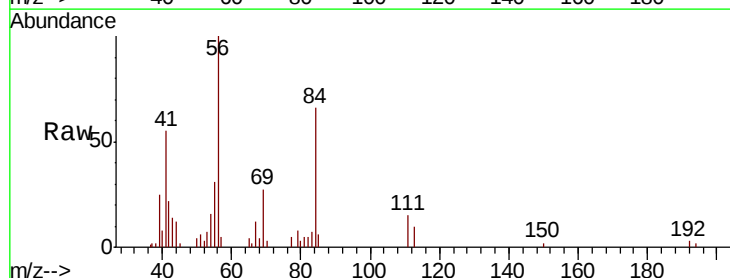
Tot Ion: 73 Resp: 27154
 Ion Ratio Lower Upper
 73 100
 57 22.8 17.1 25.7

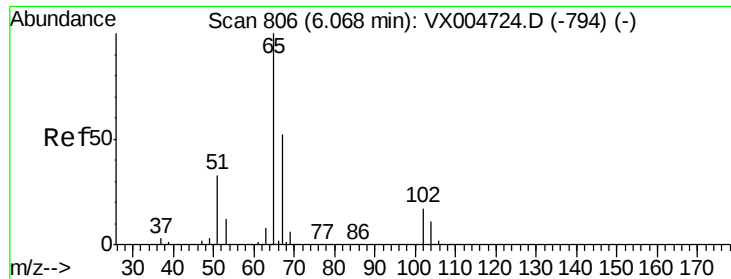


#31

Cyclohexane
 Concen: 2.211 ug/l
 RT: 5.57 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: VX004756.D
 Acq: 27 Sep 2018 06:25

Tgt Ion: 56 Resp: 10767
 Ion Ratio Lower Upper
 56 100
 69 22.7 25.4 38.2#
 84 66.3 71.4 107.2#





#33

1,2-Dichloroethane-d4

Concen: 50.817 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004756.D

Acq: 27 Sep 2018 06:25

Instrument :

MSVOA_X

ClientSampleId :

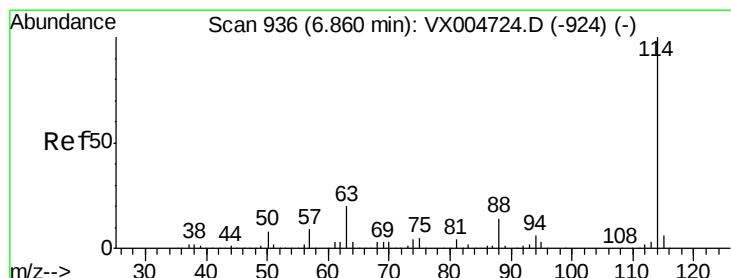
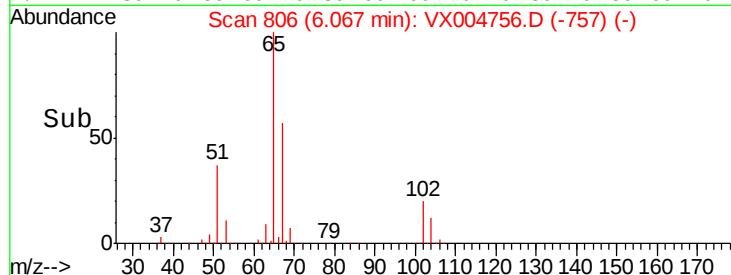
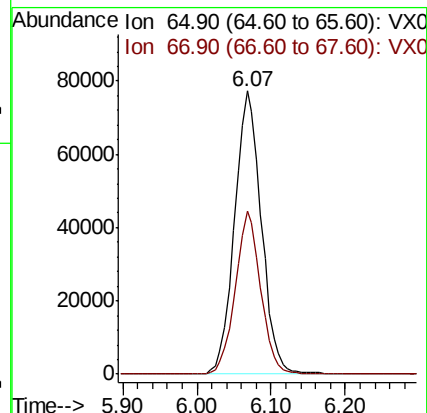
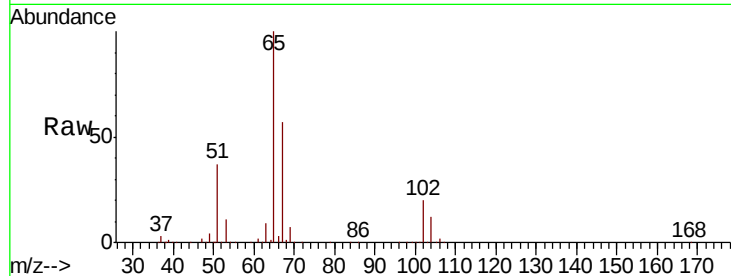
T3-MW-3-9.0-091918

Tot Ion: 65 Resp: 194459

Ion Ratio Lower Upper

65 100

67 54.8 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004756.D

Acq: 27 Sep 2018 06:25

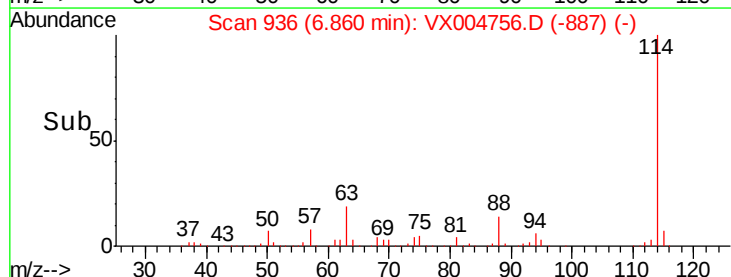
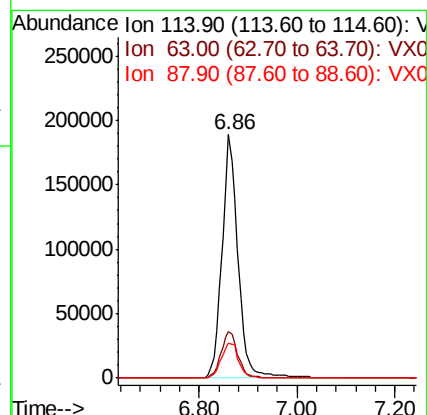
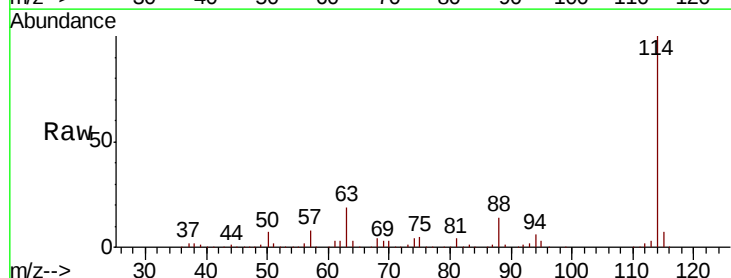
Tgt Ion: 114 Resp: 429262

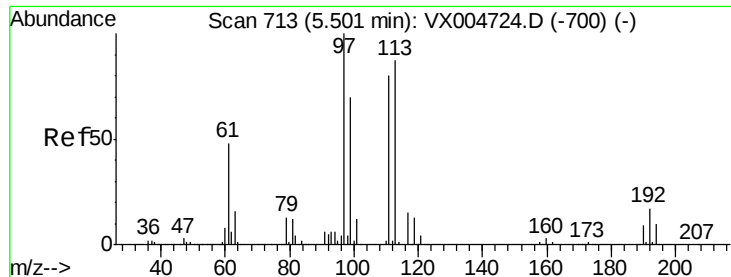
Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.0

88 14.1 0.0 30.4

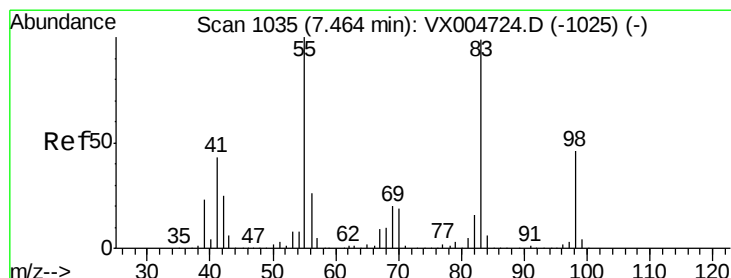
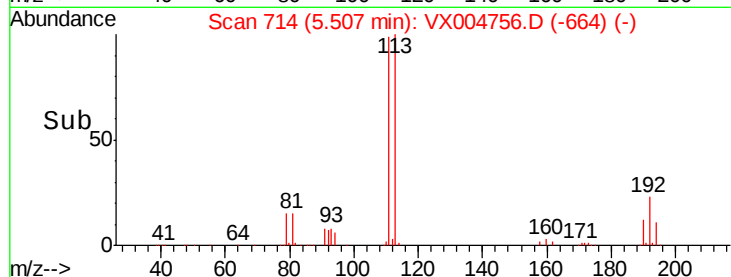
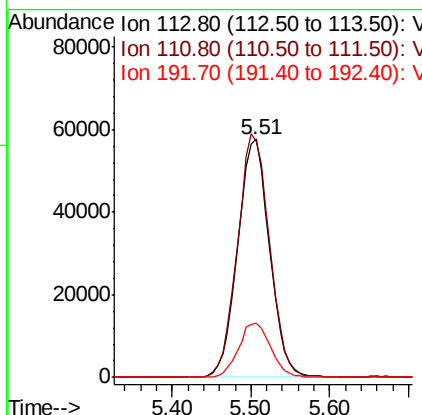
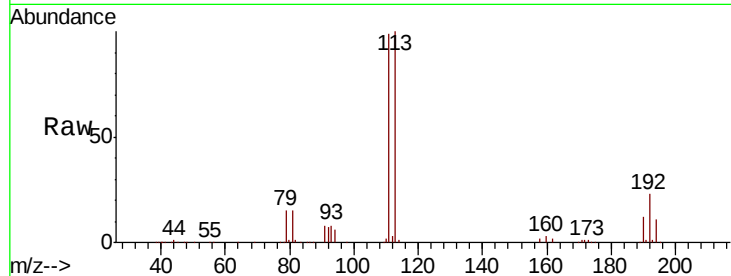




#35
 Dibromofluoromethane
 Concen: 44.621 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004756.D
 Acq: 27 Sep 2018 06:25

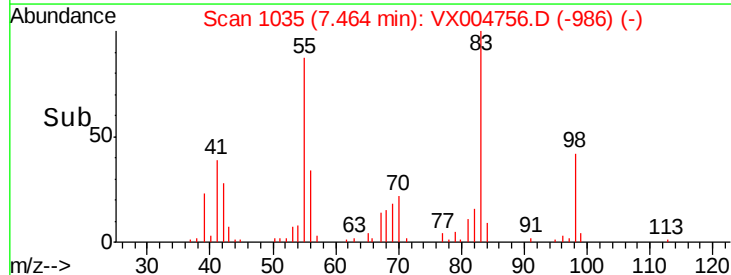
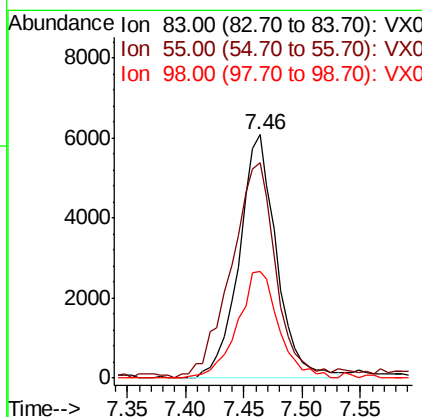
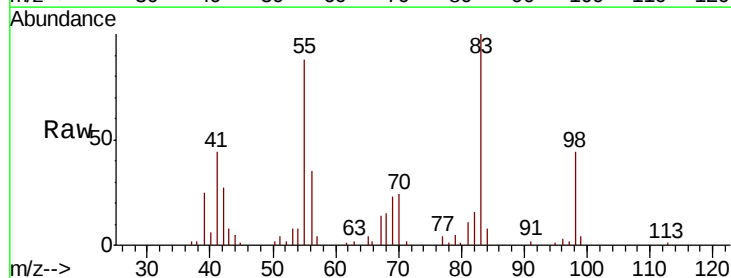
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-3-9.0-091918

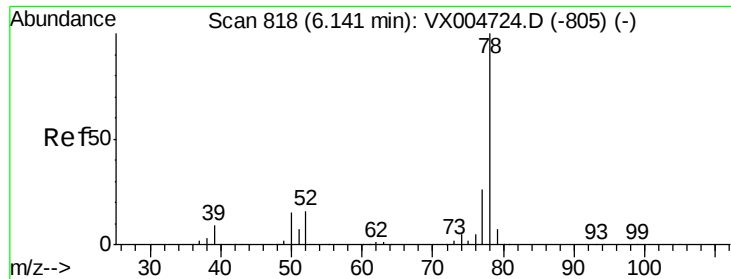
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.4	123.6
192	23.1	19.4	29.2



#39
 Methylcyclohexane
 Concen: 2.686 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX004756.D
 Acq: 27 Sep 2018 06:25

Tgt Ion	Ratio	Lower	Upper
83	100		
55	86.8	61.0	91.4
98	43.8	39.6	59.4





#40

Benzene

Concen: 0.433 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX004756.D

Acq: 27 Sep 2018 06:25

Instrument :

MSVOA_X

ClientSampleId :

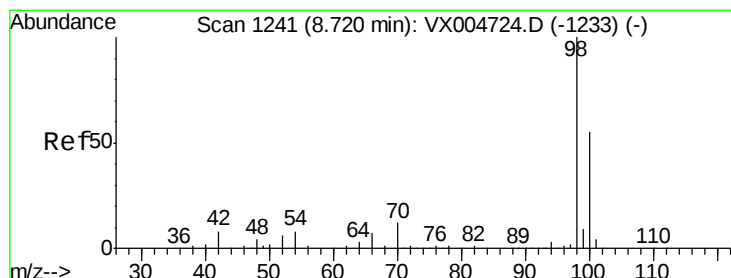
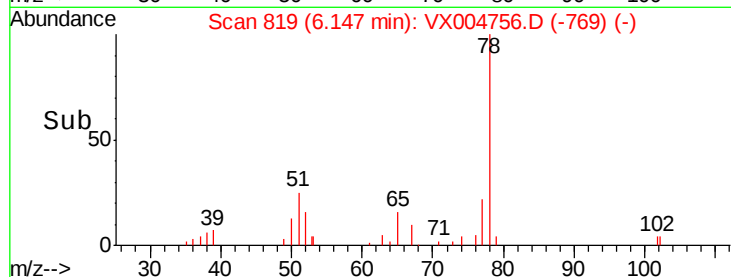
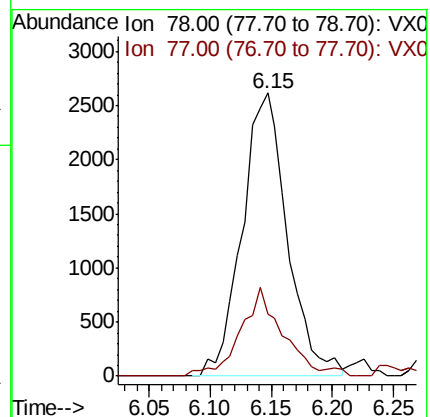
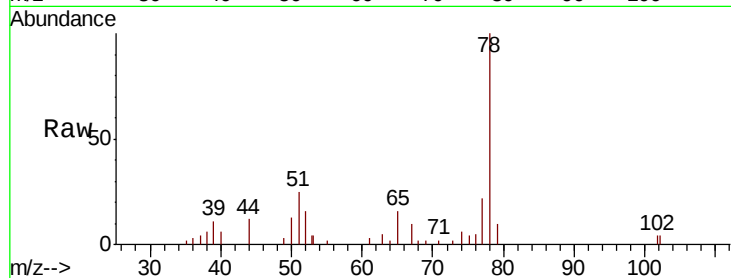
T3-MW-3-9.0-091918

Tot Ion: 78 Resp: 6723

Ion Ratio Lower Upper

78 100

77 19.7 19.0 28.4



#50

Toluene-d8

Concen: 50.994 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004756.D

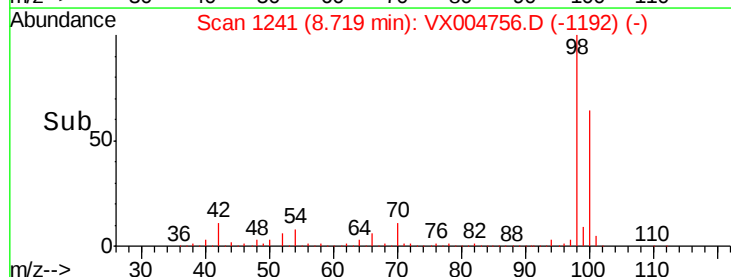
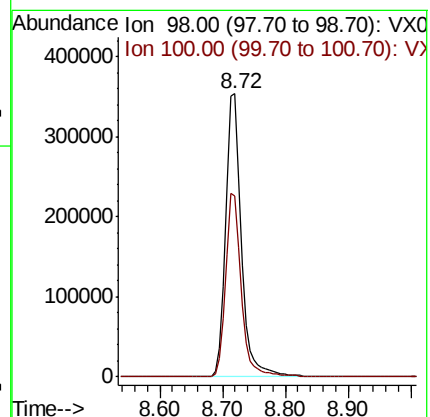
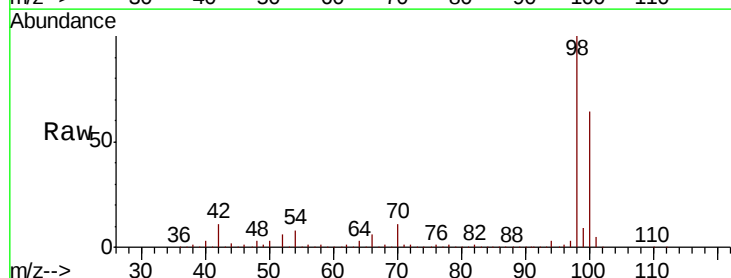
Acq: 27 Sep 2018 06:25

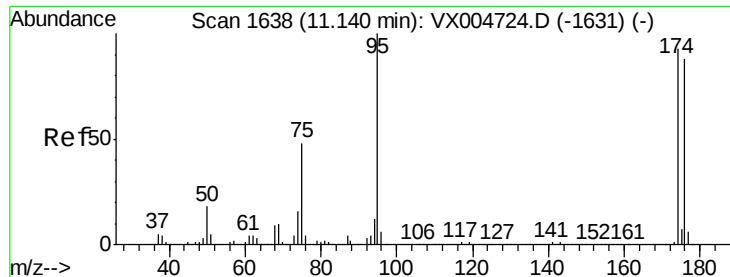
Tgt Ion: 98 Resp: 616758

Ion Ratio Lower Upper

98 100

100 64.3 52.9 79.3





#62

4-Bromofluorobenzene

Concen: 53.927 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004756.D

Acq: 27 Sep 2018 06:25

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-3-9.0-091918

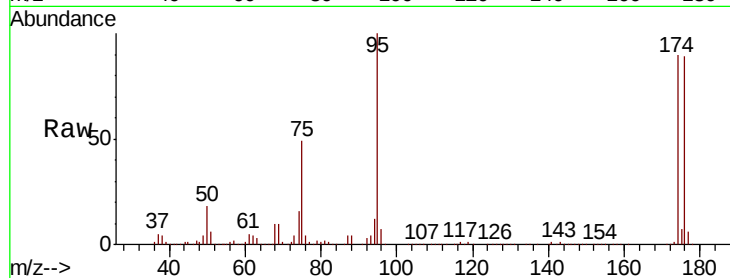
Tot Ion: 95 Resp: 234968

Ion Ratio Lower Upper

95 100

174 90.4 0.0 185.2

176 87.9 0.0 178.6

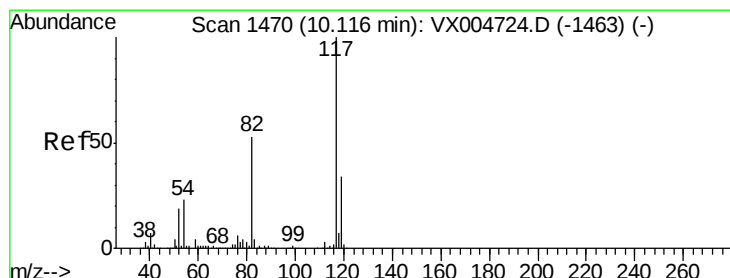
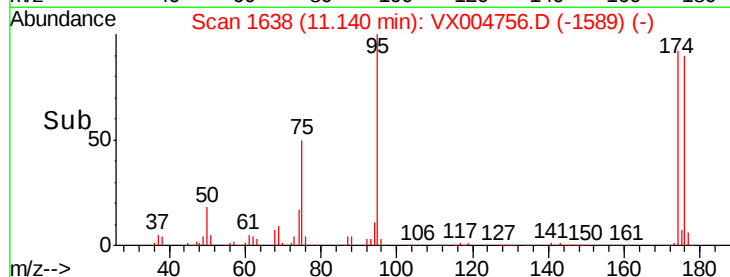
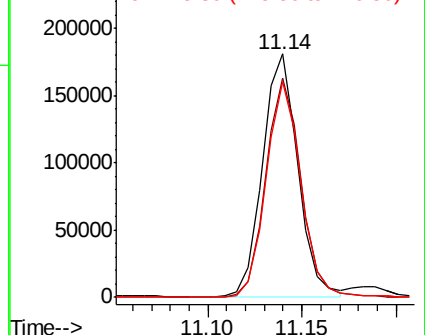


Abundance

Ion 94.90 (94.60 to 95.60): VX004724.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX004724.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX004724.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX004756.D

Acq: 27 Sep 2018 06:25

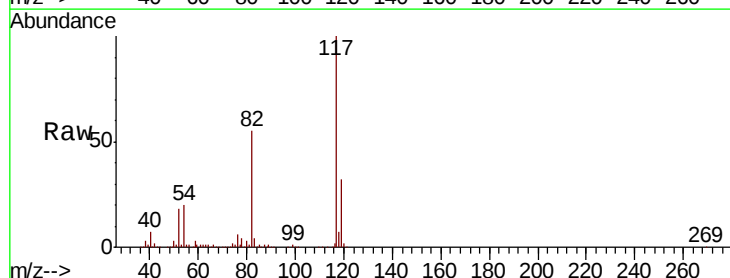
Tgt Ion: 117 Resp: 413159

Ion Ratio Lower Upper

117 100

82 55.2 47.8 71.6

119 32.3 29.3 43.9

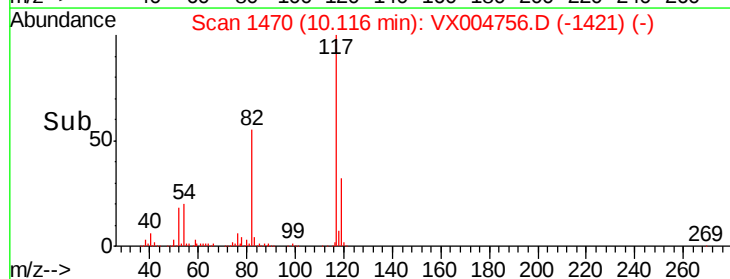
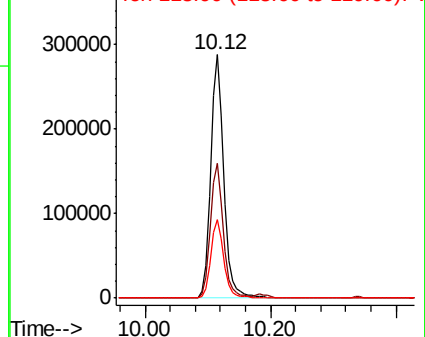


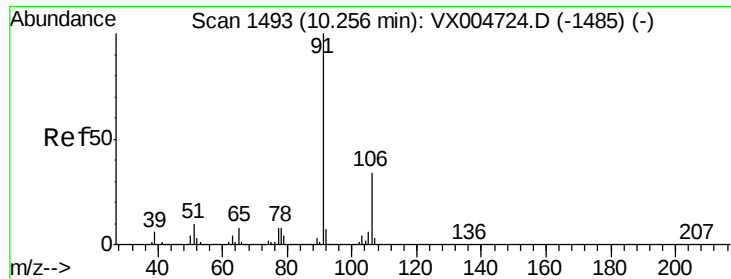
Abundance

Ion 116.90 (116.60 to 117.60): VX004724.D (-1463) (-)

Ion 82.00 (81.70 to 82.70): VX004724.D (-1463) (-)

Ion 118.90 (118.60 to 119.60): VX004724.D (-1463) (-)

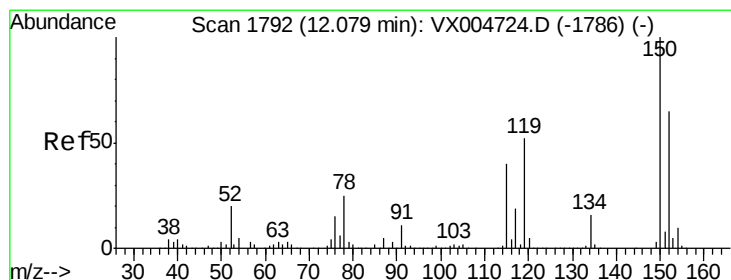
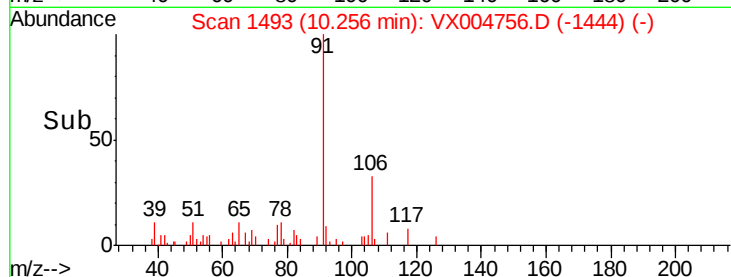
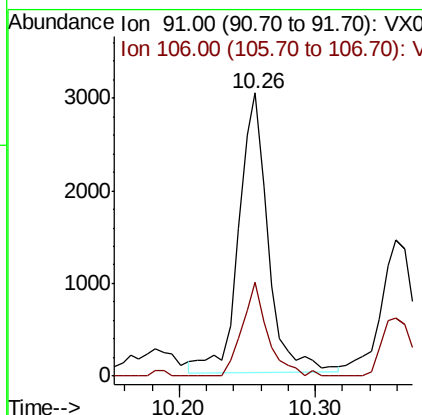
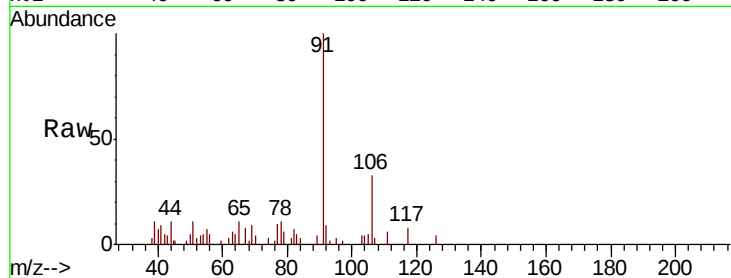




#67
Ethyl Benzene
Concen: 0.267 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX004756.D
Acq: 27 Sep 2018 06:25

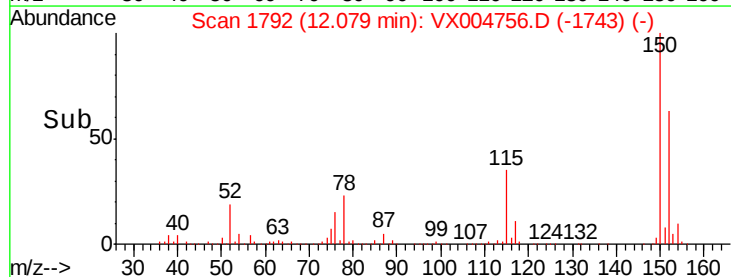
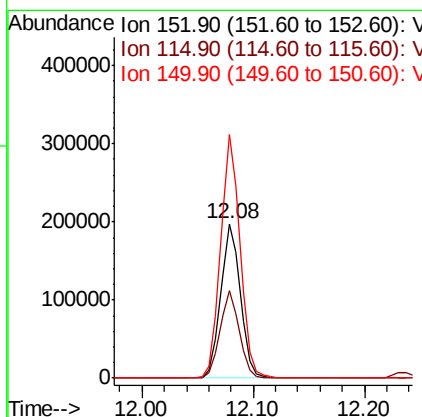
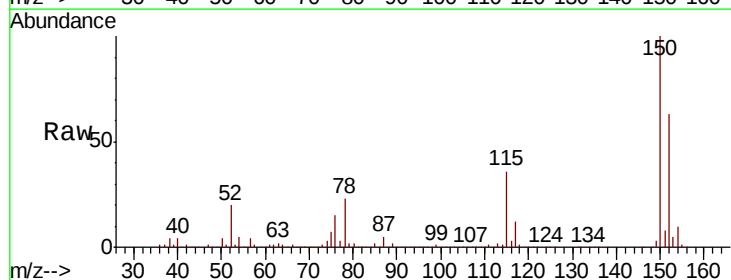
Instrument :
MSVOA_X
ClientSampleId :
T3-MW-3-9.0-091918

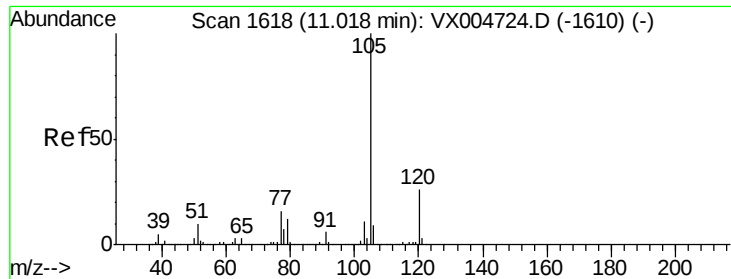
Tot Ion: 91 Resp: 4491
Ion Ratio Lower Upper
91 100
106 34.3 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004756.D
Acq: 27 Sep 2018 06:25

Tgt Ion: 152 Resp: 240822
Ion Ratio Lower Upper
152 100
115 55.1 39.0 117.0
150 156.5 0.0 351.0





#73

Isopropylbenzene

Concen: 22.927 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004756.D

Acq: 27 Sep 2018 06:25

Instrument :

MSVOA_X

ClientSampleId :

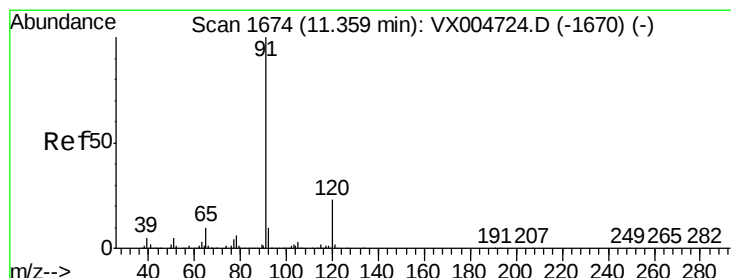
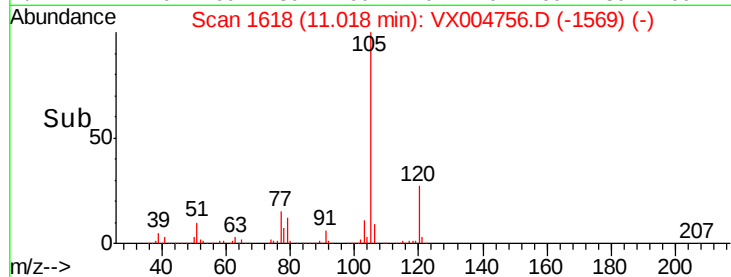
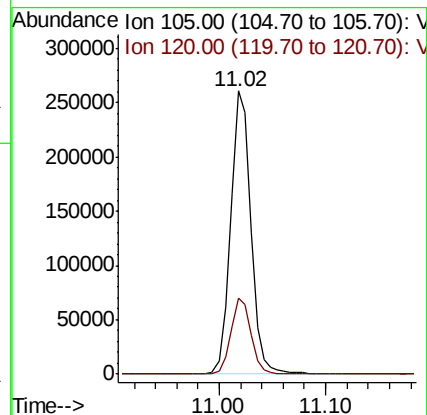
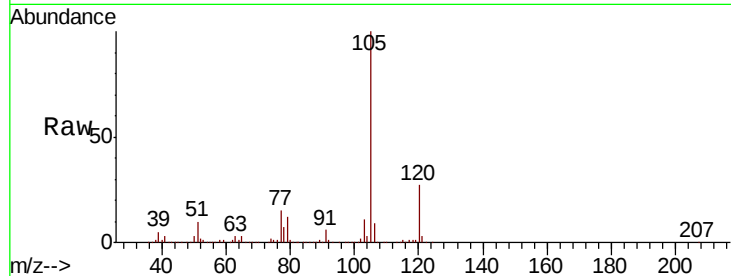
T3-MW-3-9.0-091918

Tot Ion:105 Resp: 348010

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.4



#78

n-propylbenzene

Concen: 71.183 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004756.D

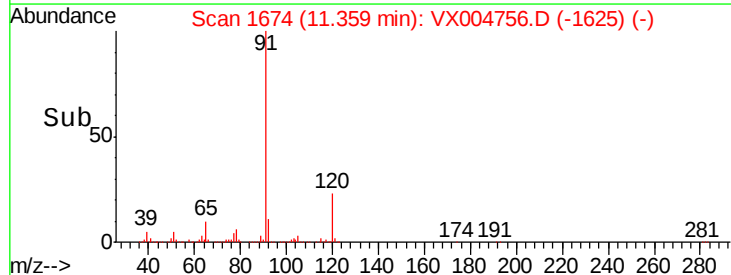
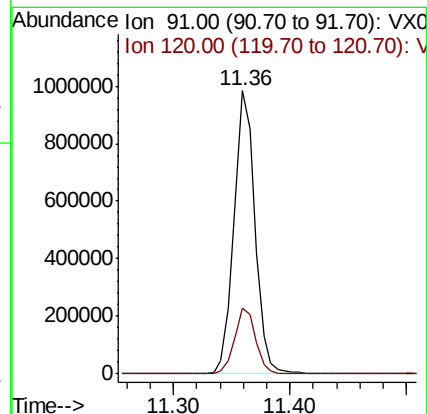
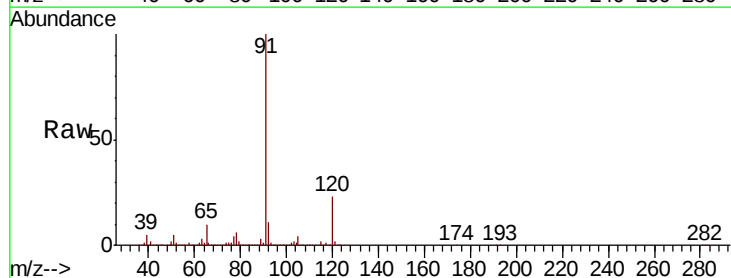
Acq: 27 Sep 2018 06:25

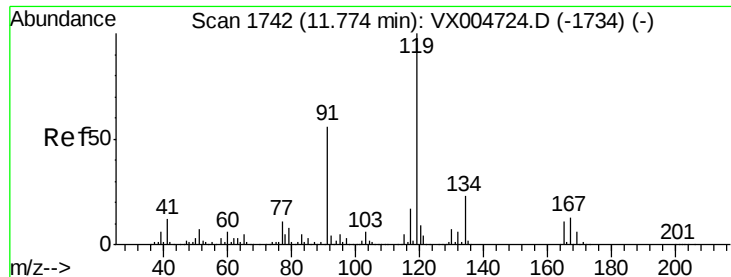
Tgt Ion: 91 Resp: 1239756

Ion Ratio Lower Upper

91 100

120 23.2 11.9 35.9





#83

tert-Butylbenzene

Concen: 3.075 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VX004756.D

Acq: 27 Sep 2018 06:25

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-3-9.0-091918

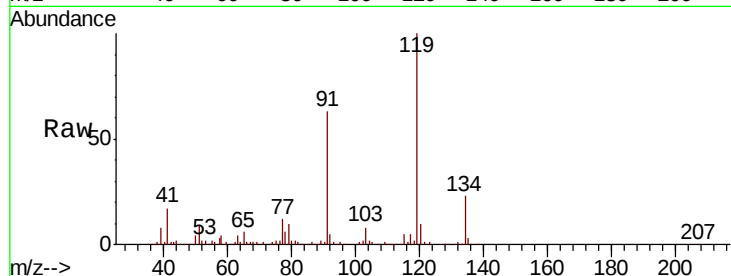
Tot Ion:119 Resp: 38430

Ion Ratio Lower Upper

119 100

91 65.1 27.0 81.0

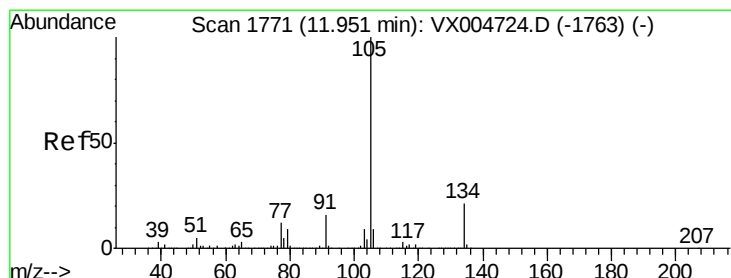
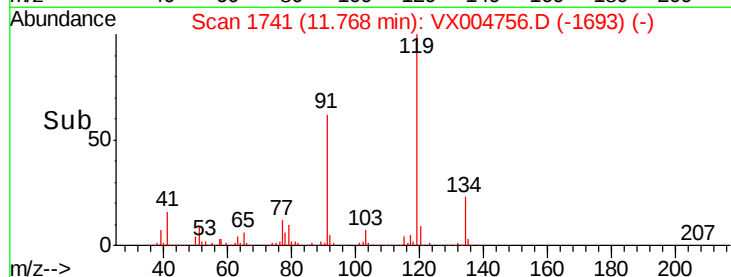
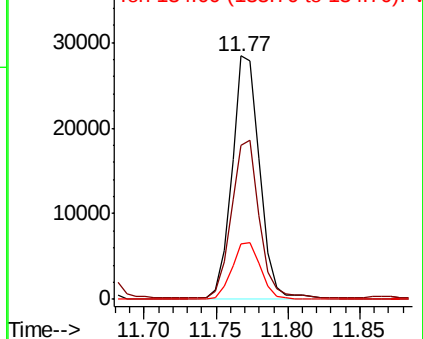
134 24.3 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#85

sec-Butylbenzene

Concen: 20.607 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004756.D

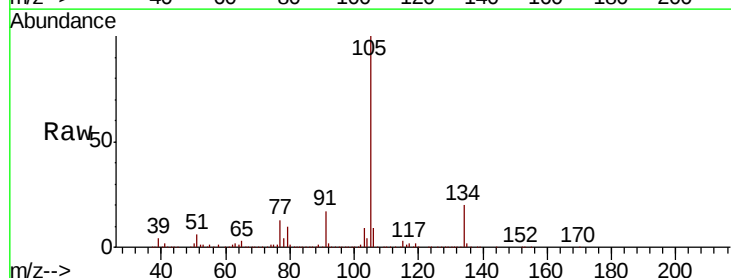
Acq: 27 Sep 2018 06:25

Tgt Ion:105 Resp: 313695

Ion Ratio Lower Upper

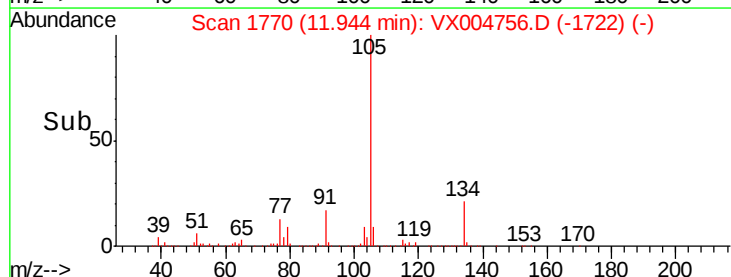
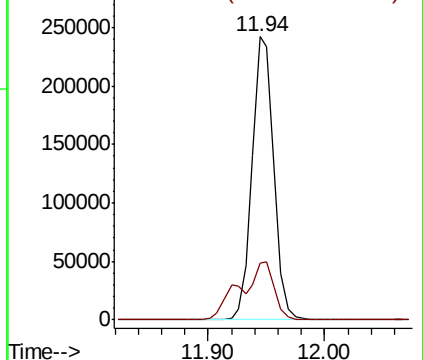
105 100

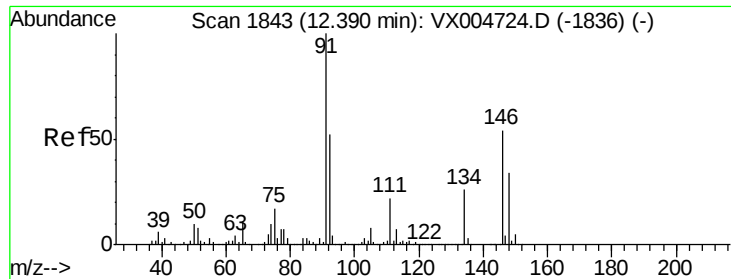
134 32.0 10.5 31.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

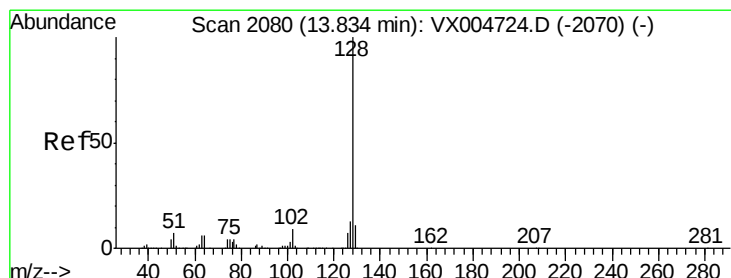
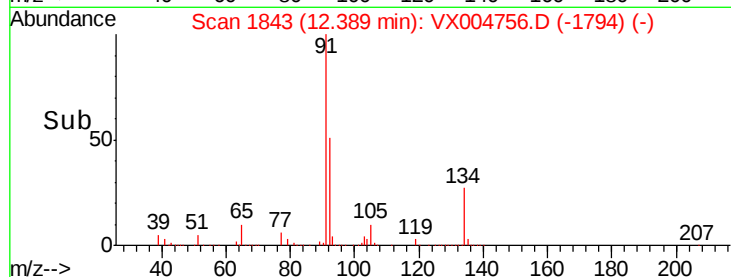
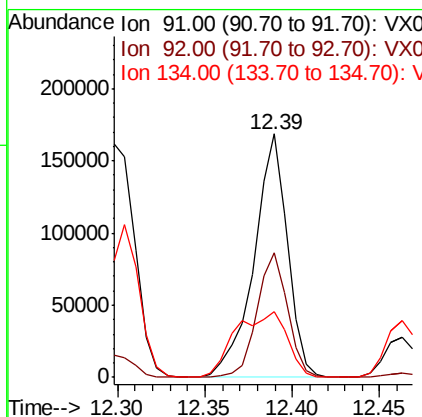
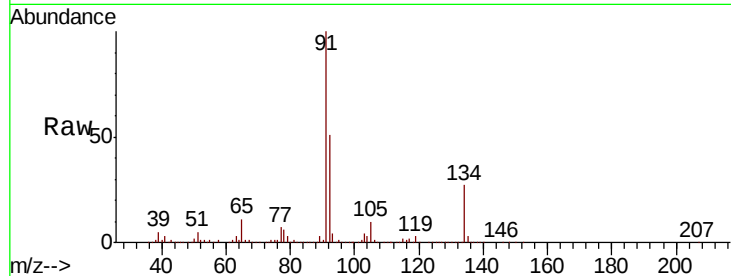




#89
n-Butylbenzene
Concen: 17.887 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004756.D
Acq: 27 Sep 2018 06:25

Instrument :
MSVOA_X
ClientSampleId :
T3-MW-3-9.0-091918

Tot Ion: 91 Resp: 224041
Ion Ratio Lower Upper
91 100
92 46.6 27.3 81.9
134 41.8 13.6 40.7#



#95
Naphthalene
Concen: 1.507 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004756.D
Acq: 27 Sep 2018 06:25

Tgt Ion: 128 Resp: 15998
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 17.3 8.6 12.8#

