

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092618\
 Data File : VX004751.D
 Acq On : 27 Sep 2018 04:11
 Operator : JC/MD
 Sample : J5029-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-4-9.0-092018

Quant Time: Sep 27 06:48:52 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	294628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	421769	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	392107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	227750	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	198772	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	
35) Dibromofluoromethane	5.51	113	181258	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
50) Toluene-d8	8.72	98	586441	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	11.14	95	222843	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	

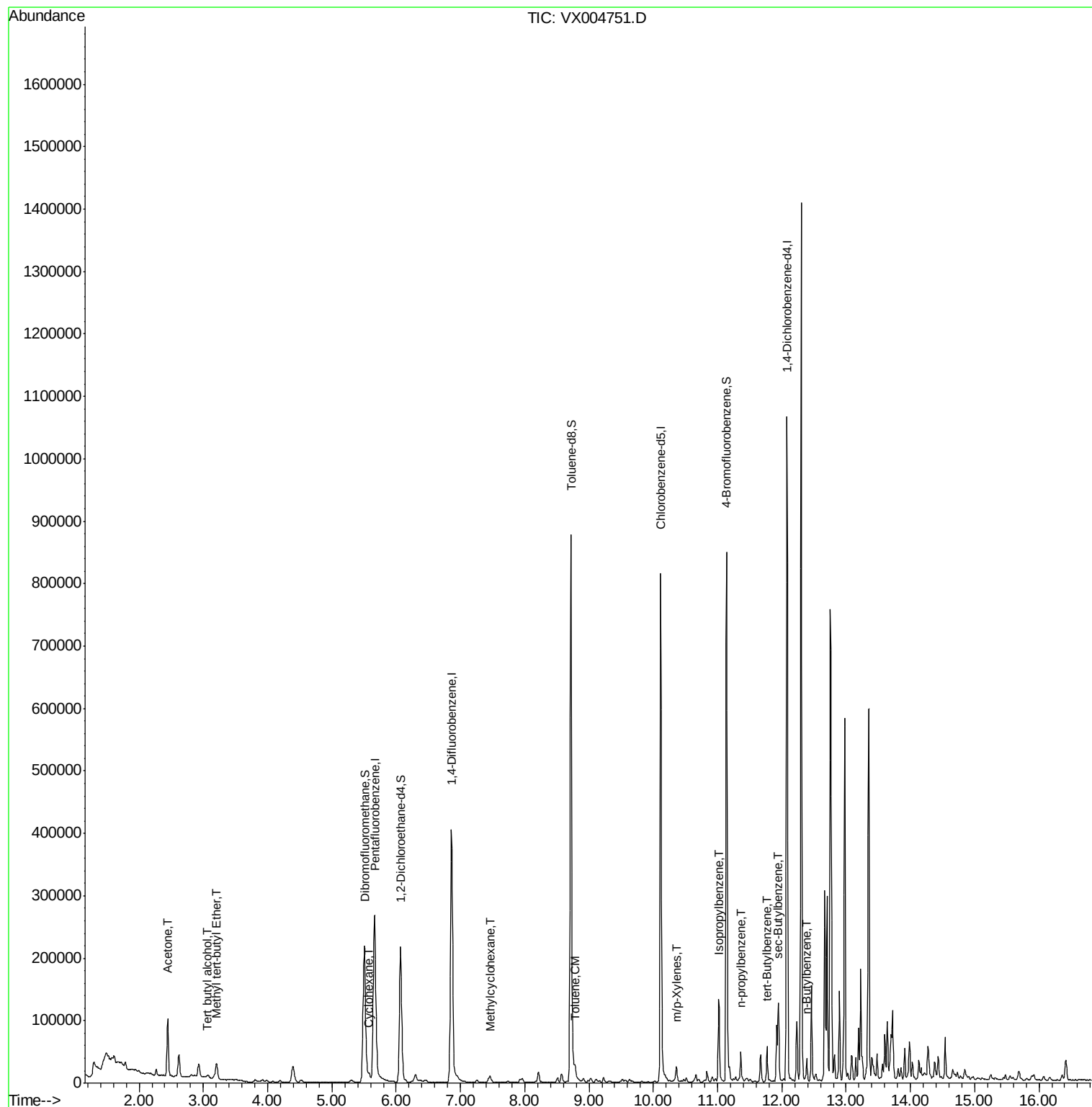
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	6851	5.822	ug/l #	91
16) Acetone	2.45	43	97380	39.631	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	25463	2.312	ug/l	97
31) Cyclohexane	5.57	56	8860	1.655	ug/l	88
39) Methylcyclohexane	7.46	83	4162	0.836	ug/l	90
52) Toluene	8.79	92	4356	0.519	ug/l	93
68) m/p-Xylenes	10.36	106	5462	0.876	ug/l	95
73) Isopropylbenzene	11.02	105	68281	4.756	ug/l	99
78) n-propylbenzene	11.36	91	26815	1.628	ug/l	97
83) tert-Butylbenzene	11.77	119	21658	1.832	ug/l	89
85) sec-Butylbenzene	11.94	105	67078	4.659	ug/l	97
89) n-Butylbenzene	12.39	91	12777	1.079	ug/l	96

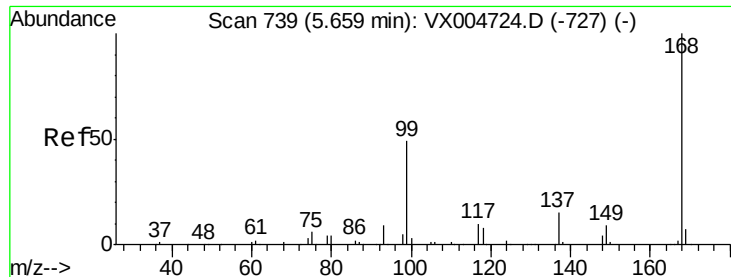
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 26 14:17:02 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: VX004751.D

Acq: 27 Sep 2018 04:11

Instrument :

MSVOA_X

ClientSampleId :

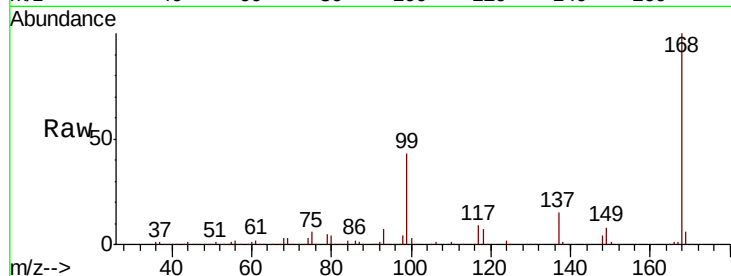
T11-MW-4-9.0-092018

Tot Ion:168 Resp: 294628

Ion Ratio Lower Upper

168 100

99 43.5 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

120000

100000

80000

60000

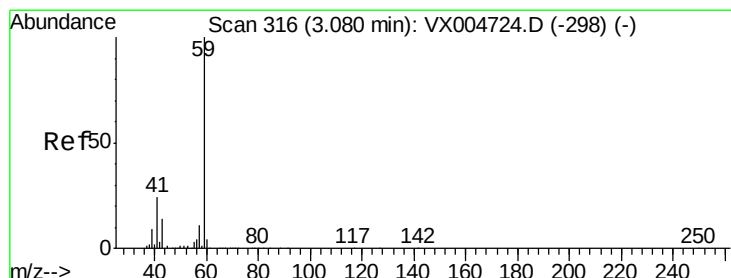
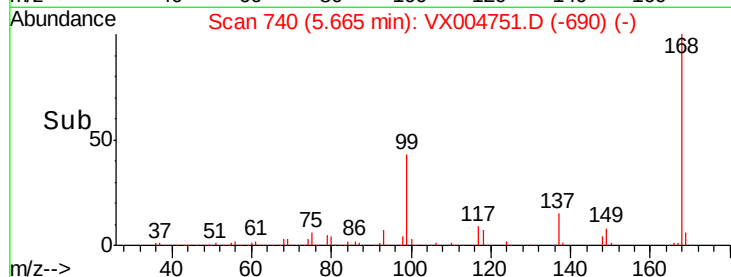
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#11

Tert butyl alcohol

Concen: 5.822 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX004751.D

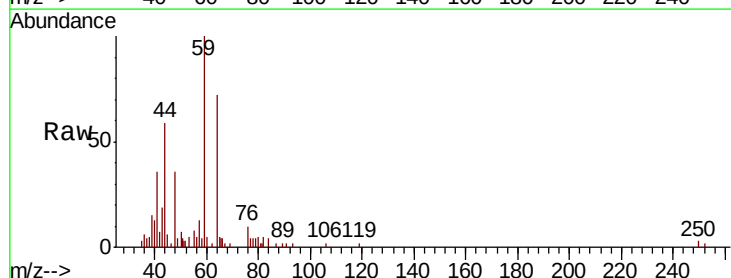
Acq: 27 Sep 2018 04:11

Tgt Ion: 59 Resp: 6851

Ion Ratio Lower Upper

59 100

57 13.6 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.07

3000

2500

2000

1500

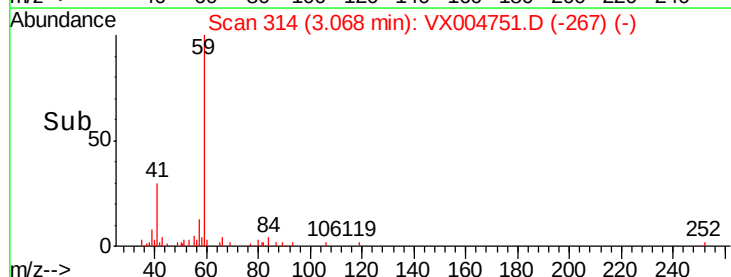
1000

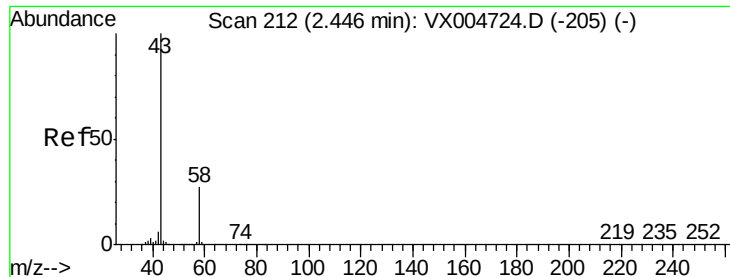
500

0

Time-->

2.90 3.00 3.10 3.20





#16

Acetone

Concen: 39.631 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004751.D

Acq: 27 Sep 2018 04:11

Instrument :

MSVOA_X

ClientSampleId :

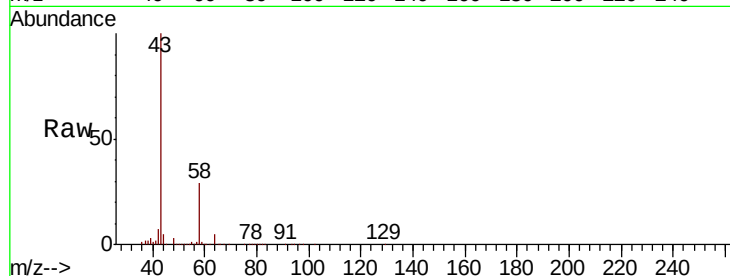
T11-MW-4-9.0-092018

Tot Ion: 43 Resp: 97380

Ion Ratio Lower Upper

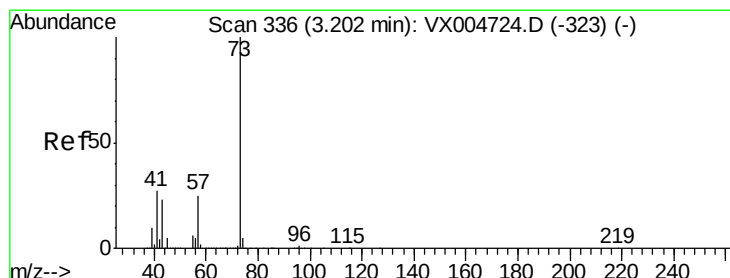
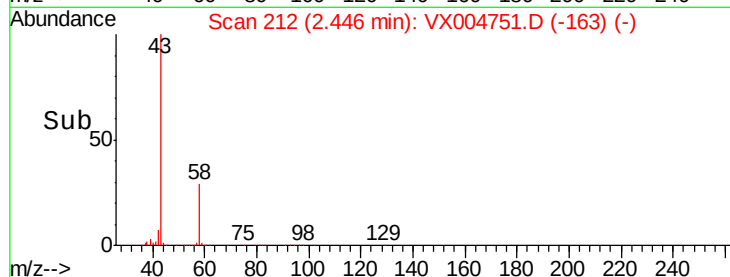
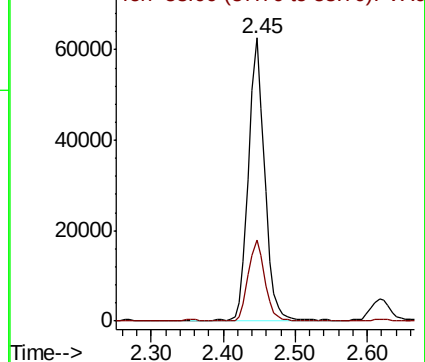
43 100

58 28.6 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#19

Methyl tert-butyl Ether

Concen: 2.312 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.00 min

Lab File: VX004751.D

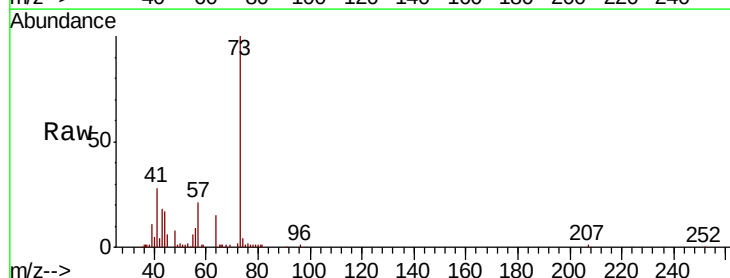
Acq: 27 Sep 2018 04:11

Tgt Ion: 73 Resp: 25463

Ion Ratio Lower Upper

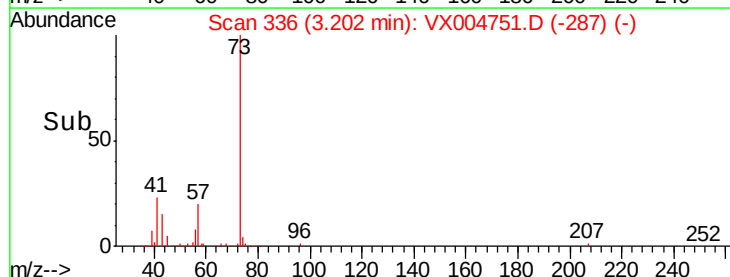
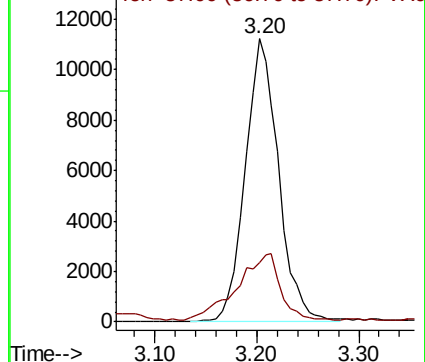
73 100

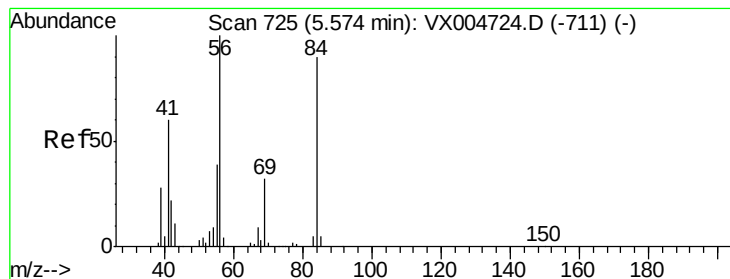
57 20.1 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#31

Cyclohexane

Concen: 1.655 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004751.D

Acq: 27 Sep 2018 04:11

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018

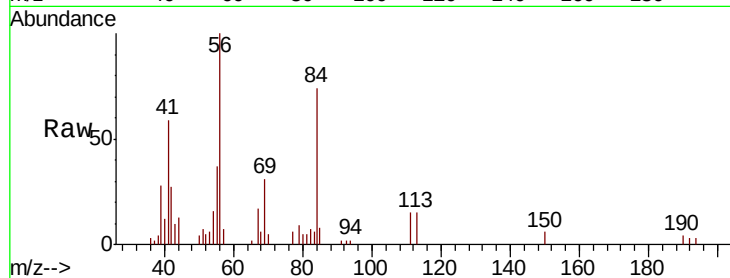
Tot Ion: 56 Resp: 8860

Ion Ratio Lower Upper

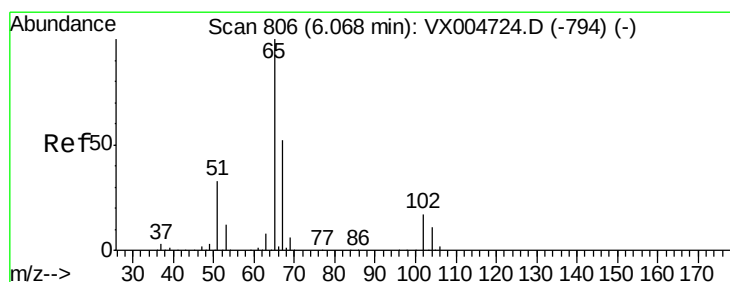
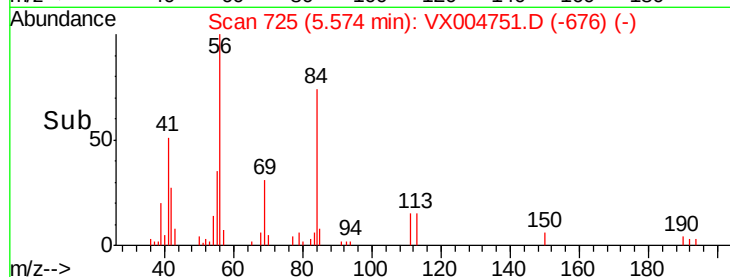
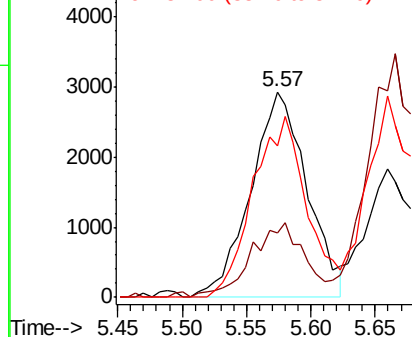
56 100

69 31.4 25.4 38.2

84 73.7 71.4 107.2



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: 47.228 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004751.D

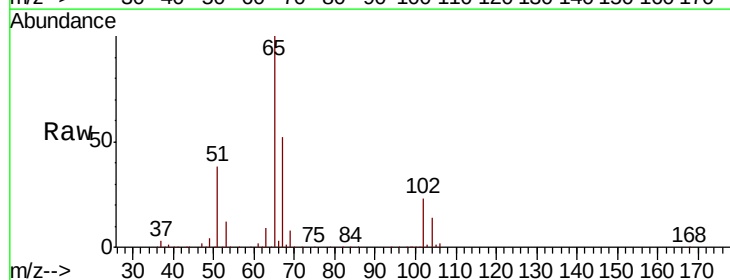
Acq: 27 Sep 2018 04:11

Tgt Ion: 65 Resp: 198772

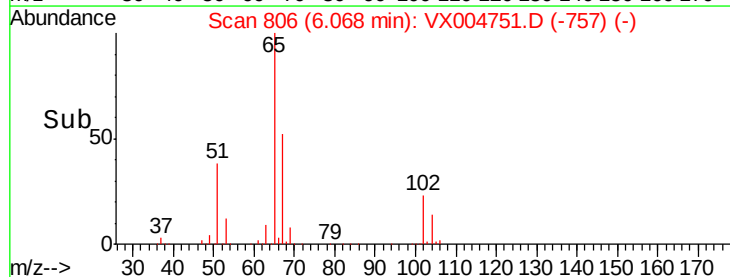
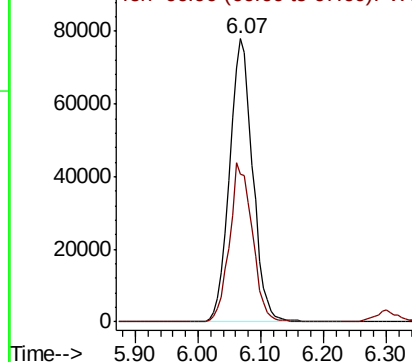
Ion Ratio Lower Upper

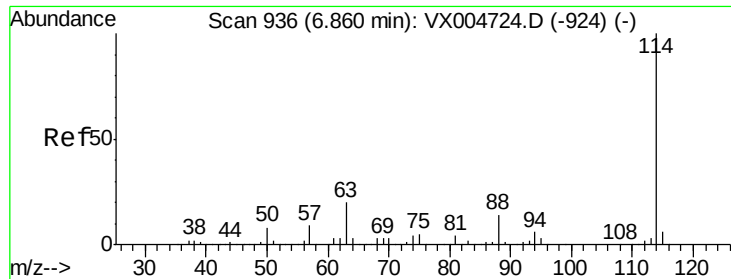
65 100

67 55.6 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

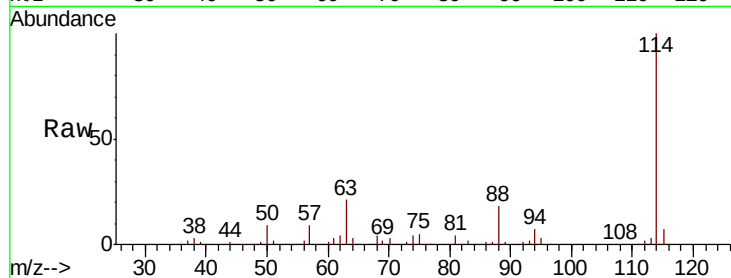




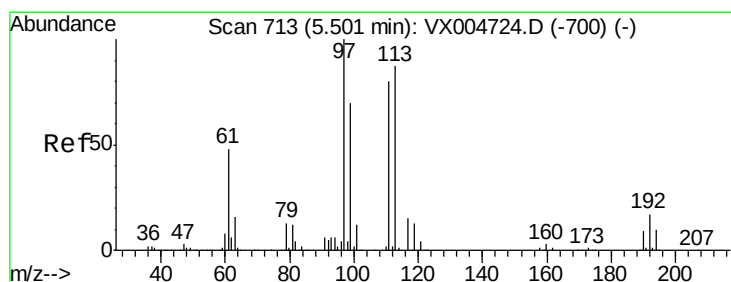
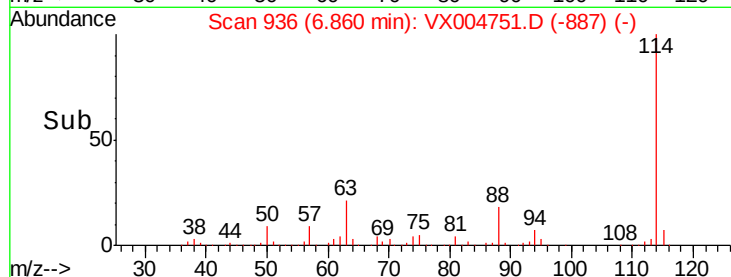
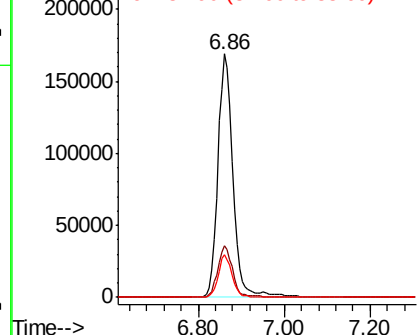
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004751.D
 Acq: 27 Sep 2018 04:11

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-4-9.0-092018

Tot Ion:114 Resp: 421769
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 39.0
 88 17.7 0.0 30.4

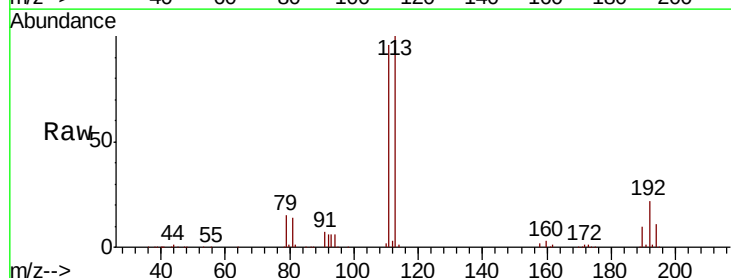


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

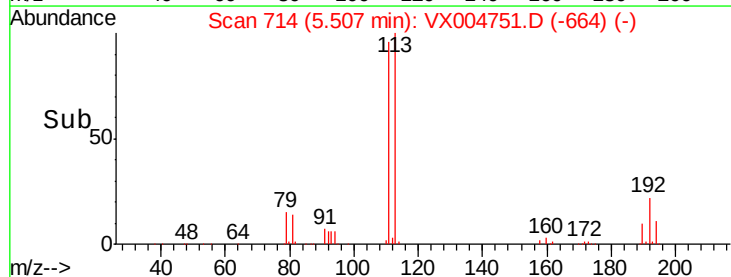
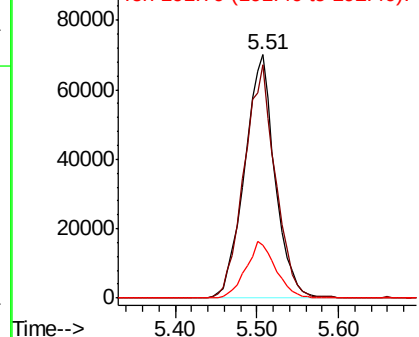


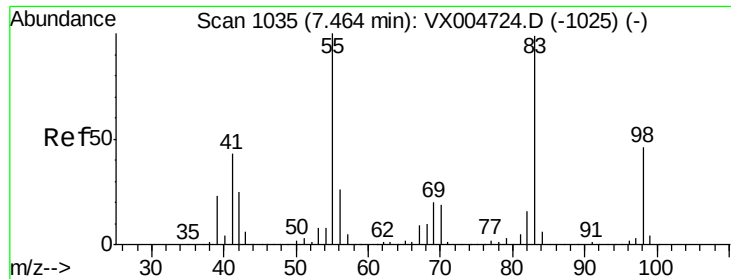
#35
 Dibromofluoromethane
 Concen: 50.708 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004751.D
 Acq: 27 Sep 2018 04:11

Tgt Ion:113 Resp: 181258
 Ion Ratio Lower Upper
 113 100
 111 98.1 82.4 123.6
 192 22.9 19.4 29.2



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

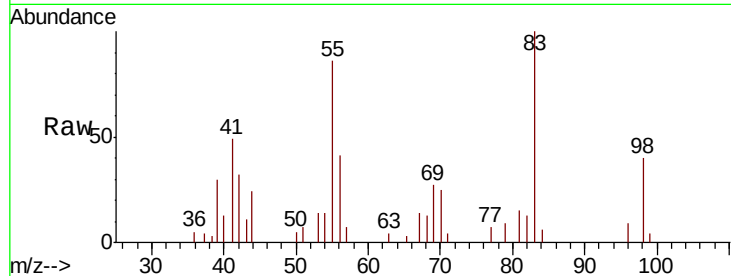




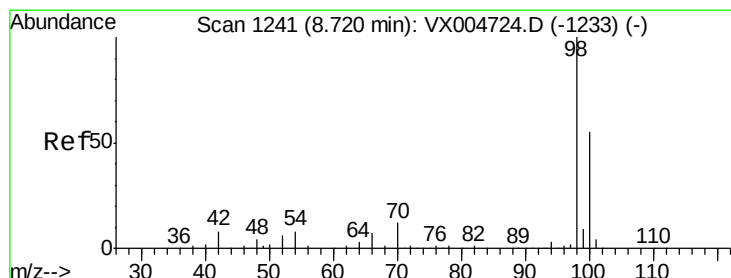
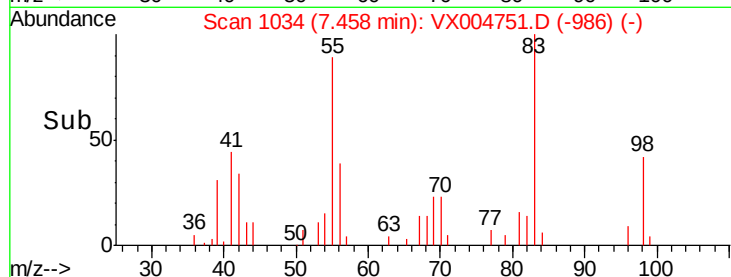
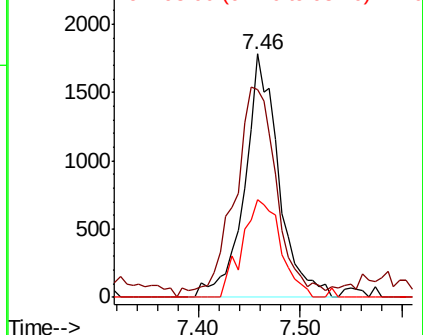
#39
Methylvlcyclohexane
Concen: 0.836 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004751.D
Acq: 27 Sep 2018 04:11

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018

Tot Ion: 83 Resp: 4162
Ion Ratio Lower Upper
83 100
55 82.6 61.0 91.4
98 40.3 39.6 59.4

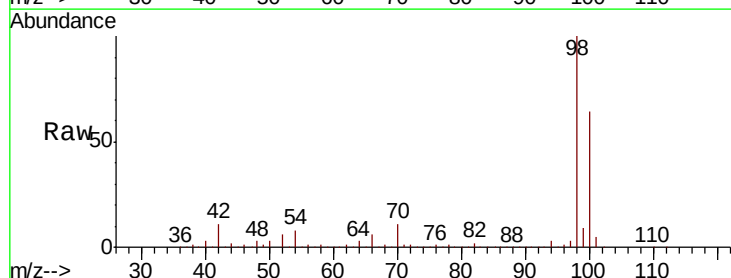


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

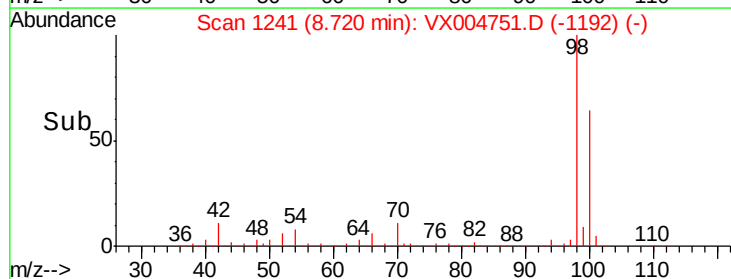
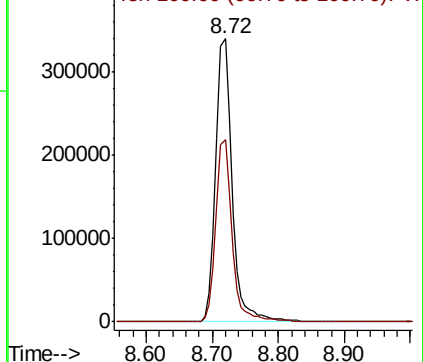


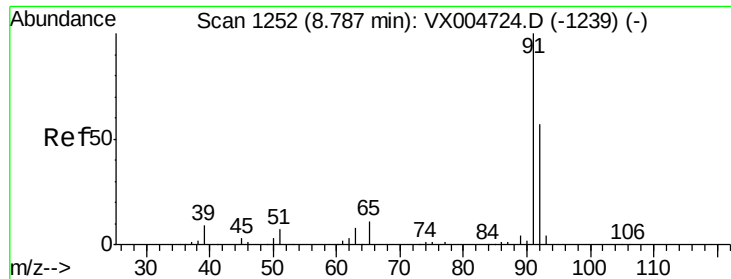
#50
Toluene-d8
Concen: 49.349 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004751.D
Acq: 27 Sep 2018 04:11

Tgt Ion: 98 Resp: 586441
Ion Ratio Lower Upper
98 100
100 63.5 52.9 79.3



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





#52

Toluene

Concen: 0.519 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004751.D

Acq: 27 Sep 2018 04:11

Instrument :

MSVOA_X

ClientSampleId :

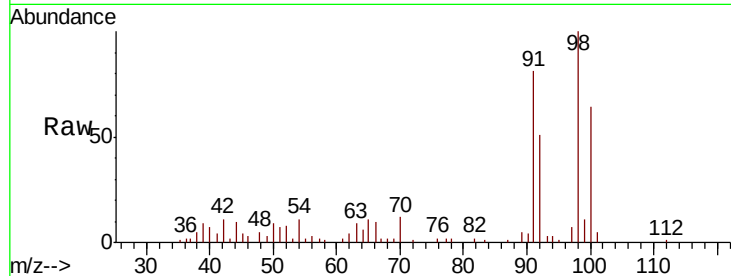
T11-MW-4-9.0-092018

Tot Ion: 92 Resp: 4356

Ion Ratio Lower Upper

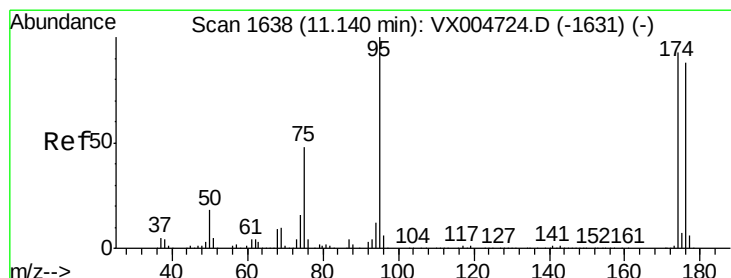
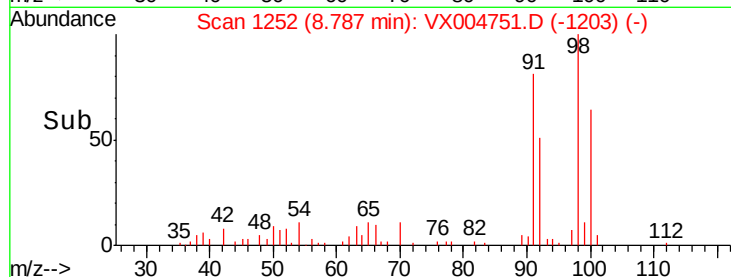
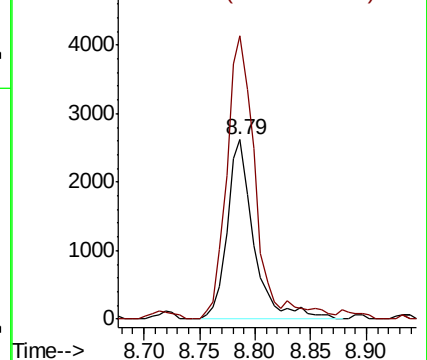
92 100

91 160.4 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 52.053 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004751.D

Acq: 27 Sep 2018 04:11

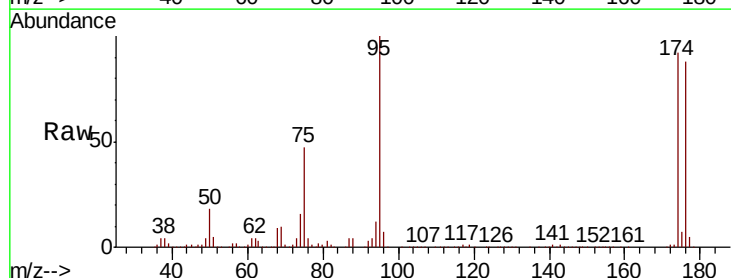
Tgt Ion: 95 Resp: 222843

Ion Ratio Lower Upper

95 100

174 89.7 0.0 185.2

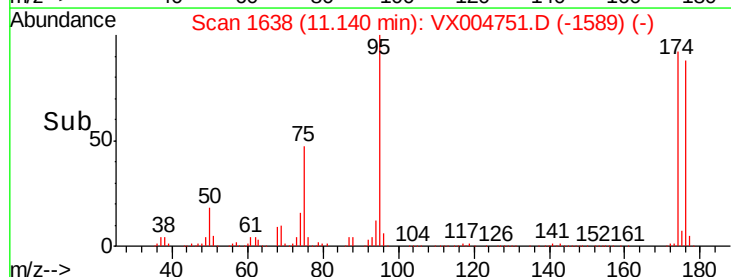
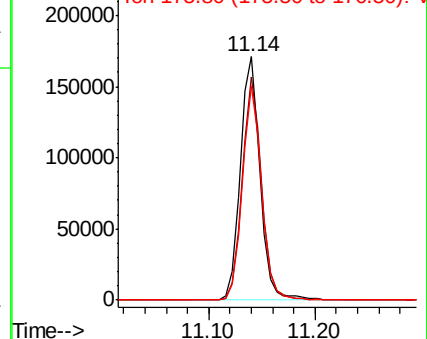
176 85.7 0.0 178.6

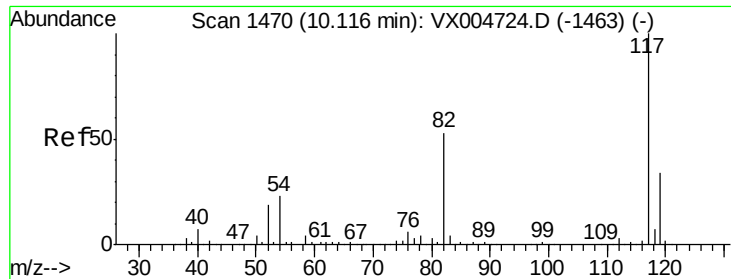


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

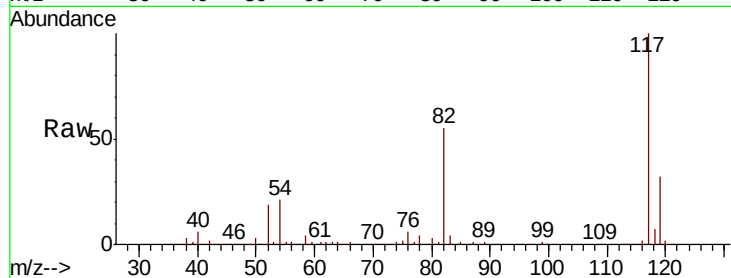




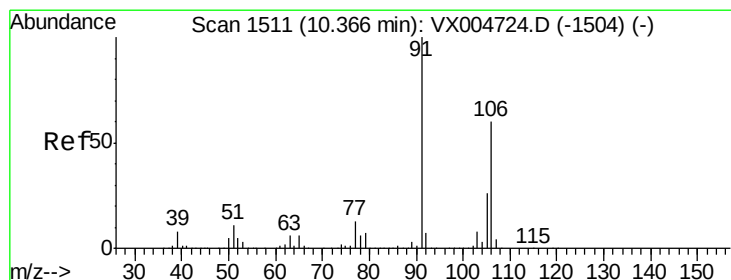
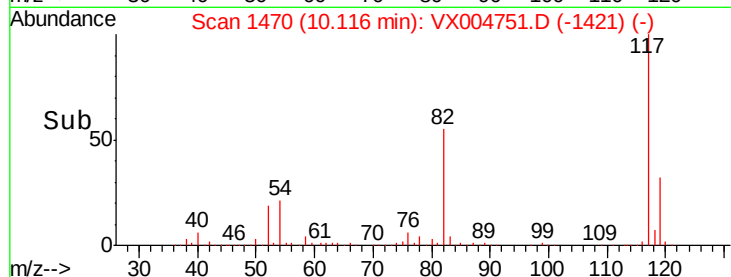
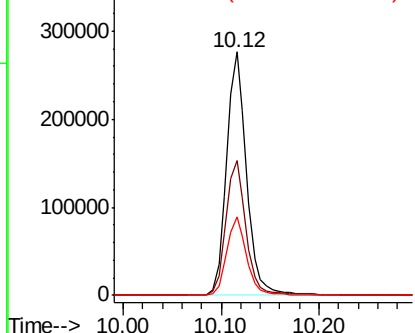
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004751.D
Acq: 27 Sep 2018 04:11

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018

Tot Ion:117 Resp: 392107
Ion Ratio Lower Upper
117 100
82 55.2 47.8 71.6
119 32.3 29.3 43.9

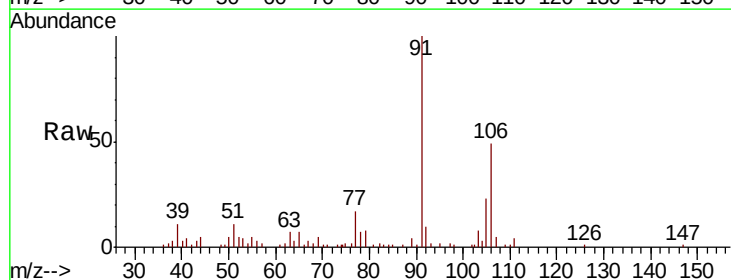


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

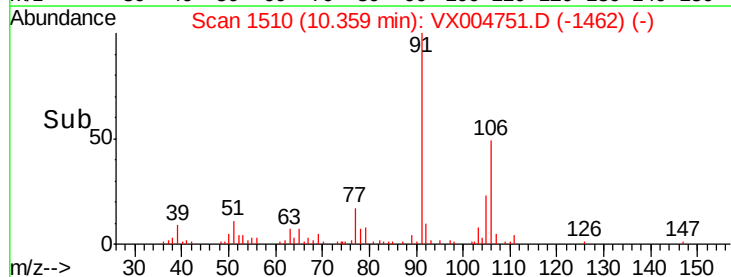
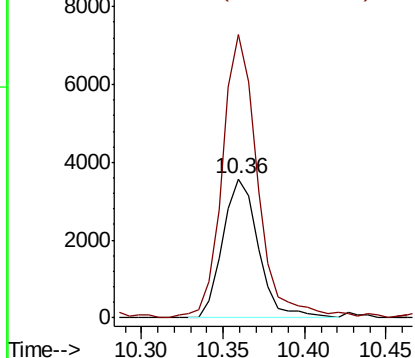


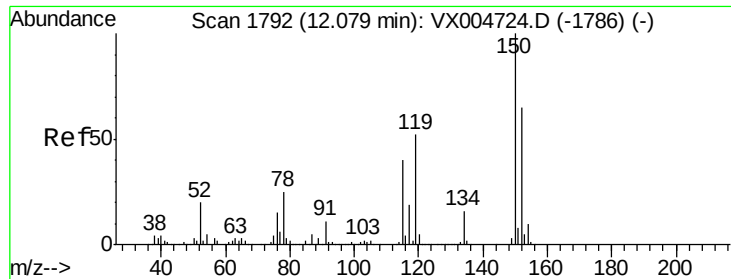
#68
m/p-Xylenes
Concen: 0.876 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX004751.D
Acq: 27 Sep 2018 04:11

Tgt Ion:106 Resp: 5462
Ion Ratio Lower Upper
106 100
91 203.2 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004751.D

Acq: 27 Sep 2018 04:11

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018

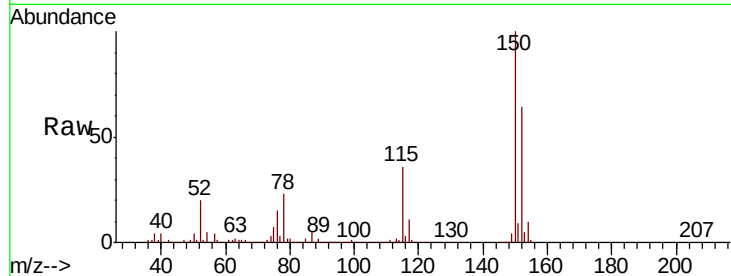
Tot Ion:152 Resp: 227750

Ion Ratio Lower Upper

152 100

115 55.9 39.0 117.0

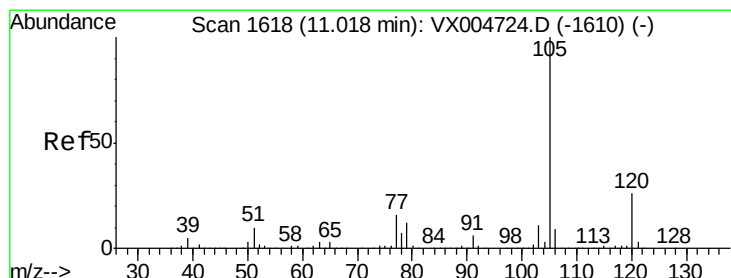
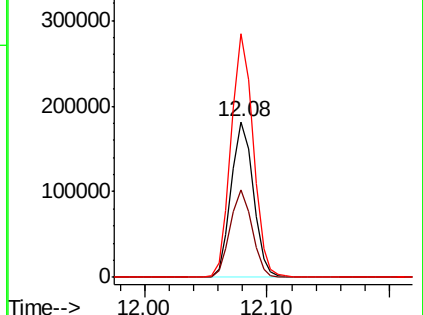
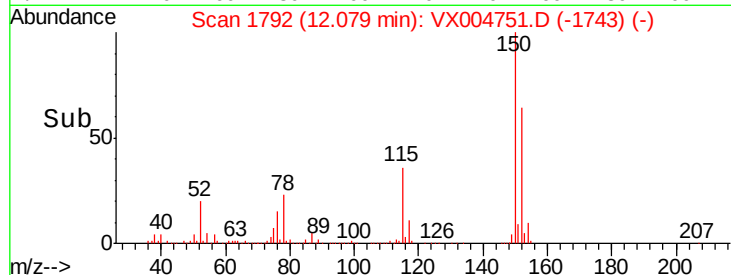
150 156.1 0.0 351.0



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



#73

Isopropylbenzene

Concen: 4.756 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004751.D

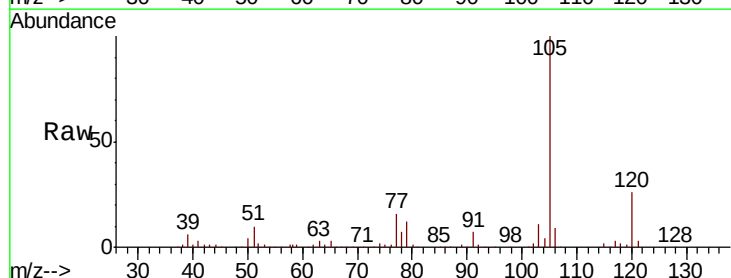
Acq: 27 Sep 2018 04:11

Tgt Ion:105 Resp: 68281

Ion Ratio Lower Upper

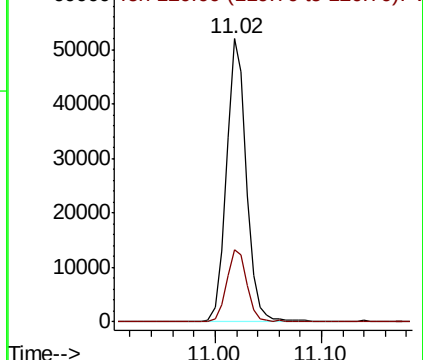
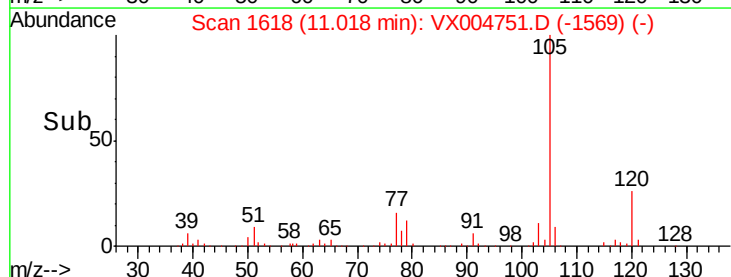
105 100

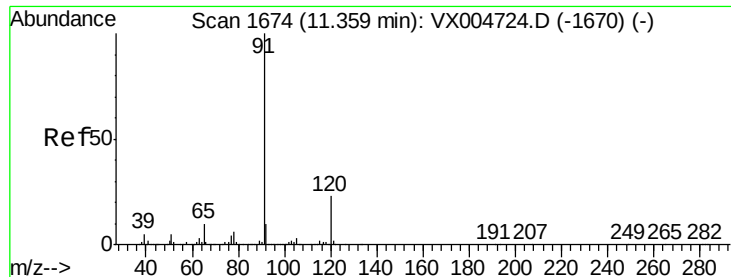
120 26.4 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 1.628 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004751.D

Acq: 27 Sep 2018 04:11

Instrument :

MSVOA_X

ClientSampleId :

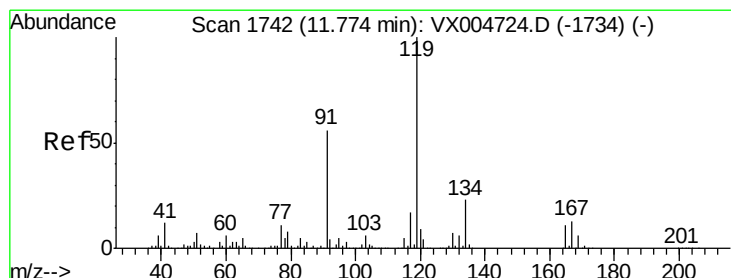
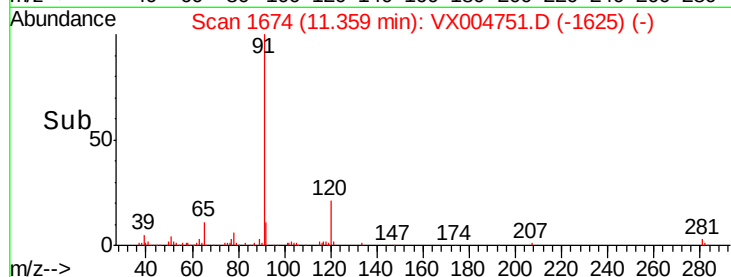
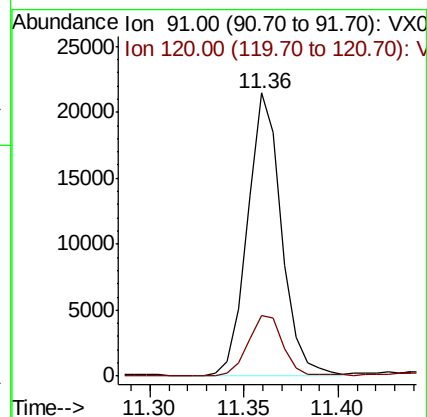
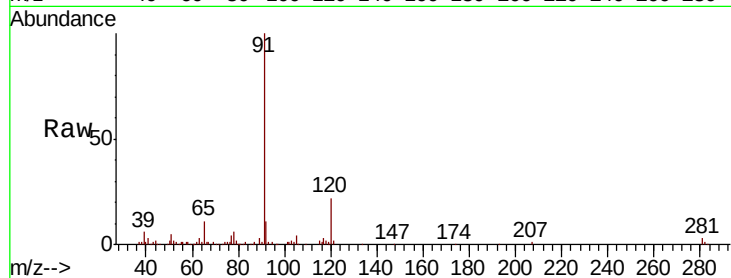
T11-MW-4-9.0-092018

Tot Ion: 91 Resp: 26815

Ion Ratio Lower Upper

91 100

120 22.4 11.9 35.9



#83

tert-Butylbenzene

Concen: 1.832 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX004751.D

Acq: 27 Sep 2018 04:11

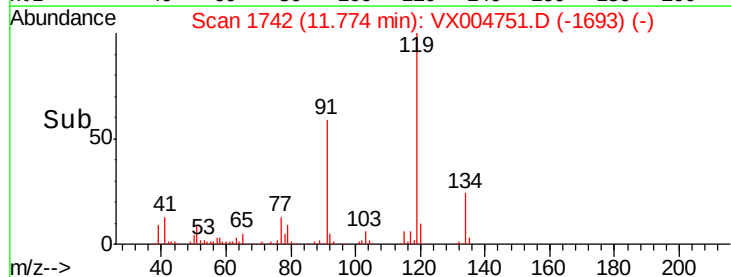
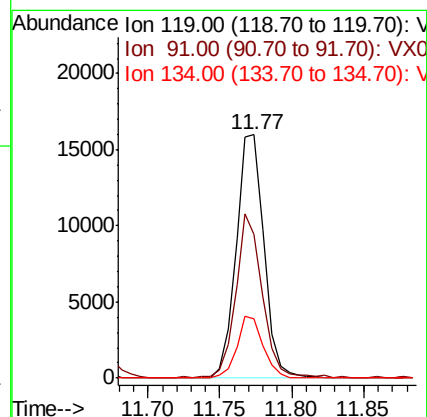
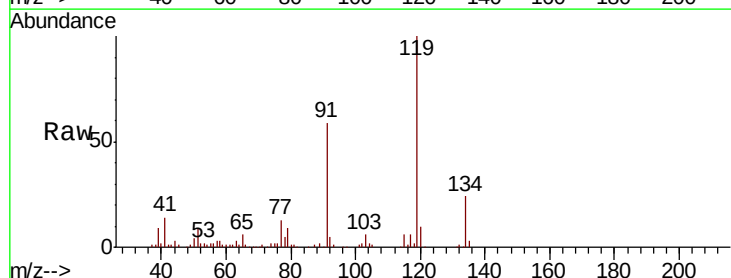
Tgt Ion: 119 Resp: 21658

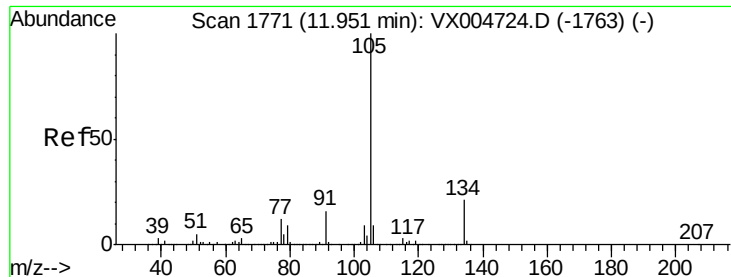
Ion Ratio Lower Upper

119 100

91 65.0 27.0 81.0

134 23.7 11.7 35.1





#85

sec-Butylbenzene

Concen: 4.659 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004751.D

Acq: 27 Sep 2018 04:11

Instrument :

MSVOA_X

ClientSampleId :

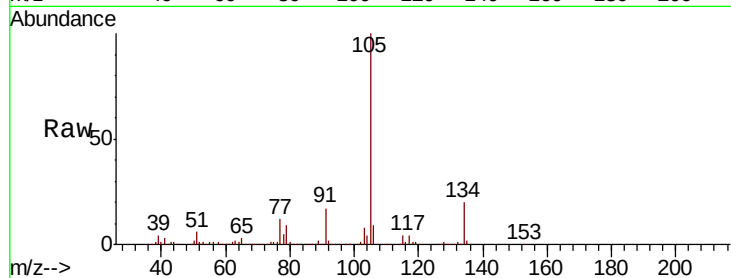
T11-MW-4-9.0-092018

Tot Ion:105 Resp: 67078

Ion Ratio Lower Upper

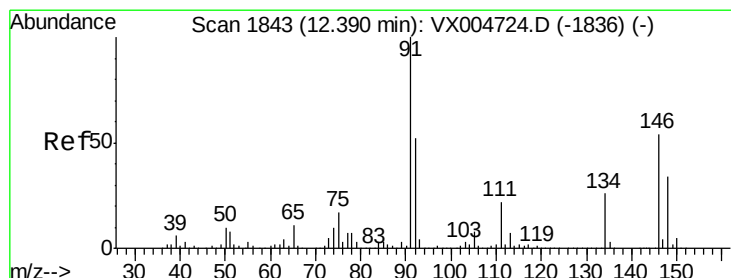
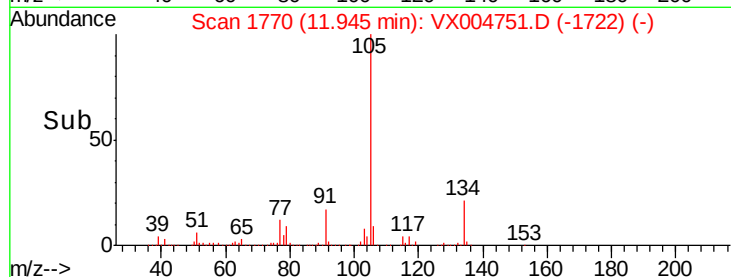
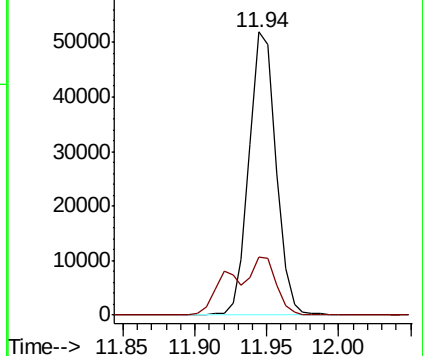
105 100

134 19.6 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: 1.079 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX004751.D

Acq: 27 Sep 2018 04:11

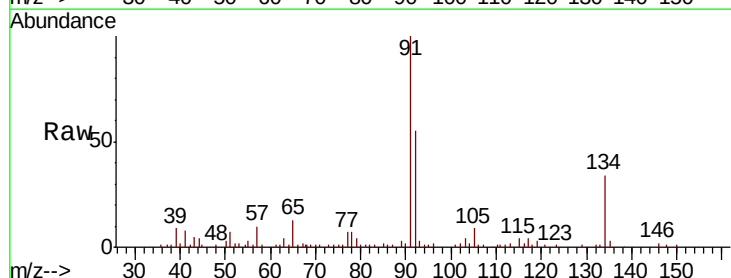
Tgt Ion: 91 Resp: 12777

Ion Ratio Lower Upper

91 100

92 52.4 27.3 81.9

134 30.3 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

