

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062019\
 Data File : VX010362.D
 Acq On : 20 Jun 2019 17:11
 Operator : JC/SP
 Sample : K3469-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-7-10.0-061919

Quant Time: Jun 21 02:05:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	316201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	479022	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	424356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199725	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	145864	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
35) Dibromofluoromethane	5.50	113	145019	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
50) Toluene-d8	8.71	98	558019	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
62) 4-Bromofluorobenzene	11.13	95	187830	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	

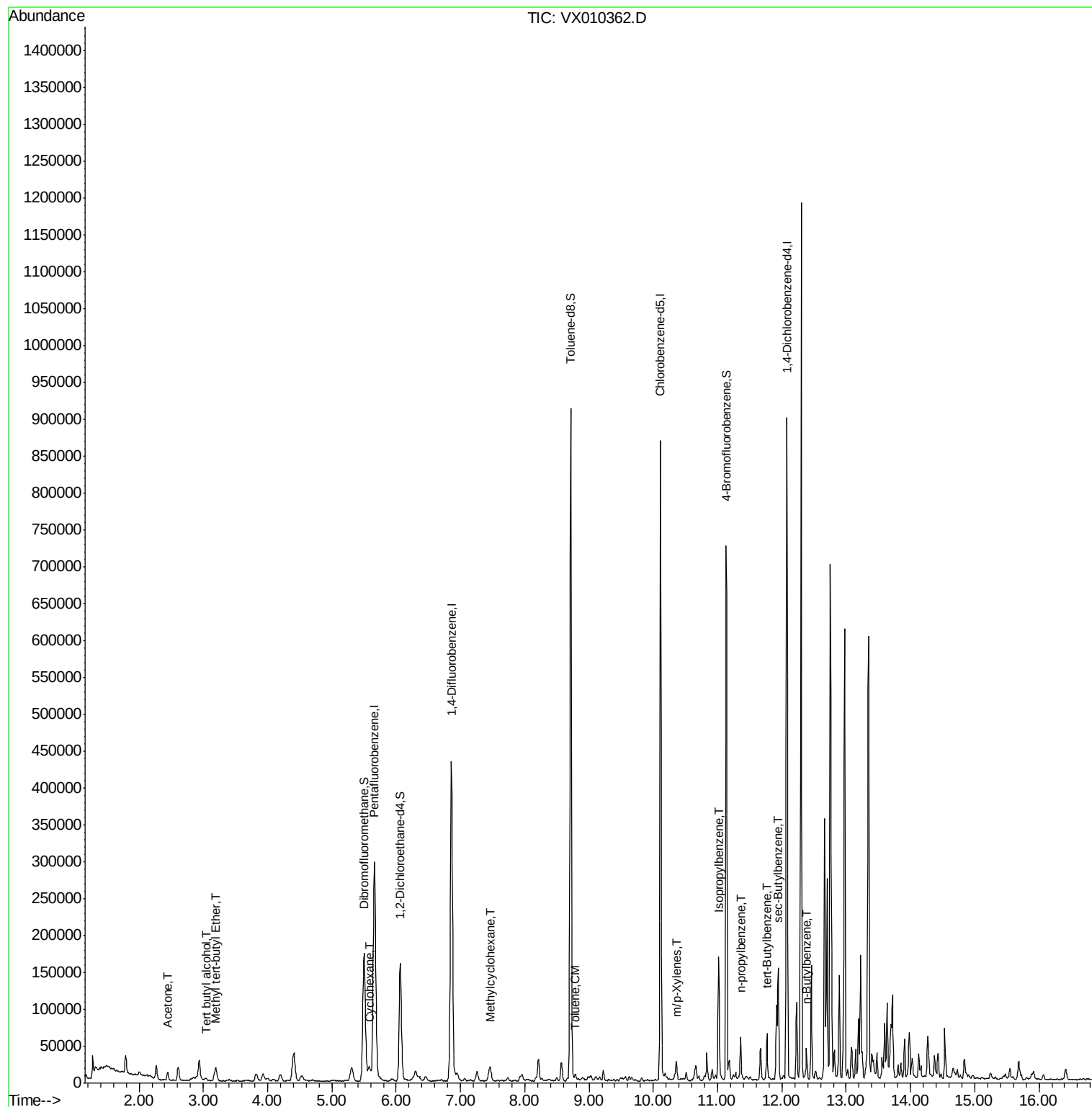
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.04	59	4532	5.842	ug/l #	85
16) Acetone	2.45	43	12368	8.324	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	17475	2.027	ug/l #	77
31) Cyclohexane	5.59	56	13205	3.084	ug/l	93
39) Methylcyclohexane	7.46	83	8966	1.792	ug/l	92
52) Toluene	8.79	92	2759	0.353	ug/l	88
68) m/p-Xylenes	10.36	106	5440	0.965	ug/l	99
73) Isopropylbenzene	11.02	105	89635	6.621	ug/l	100
78) n-propylbenzene	11.36	91	35904	2.413	ug/l	97
83) tert-Butylbenzene	11.77	119	24609	2.197	ug/l	90
85) sec-Butylbenzene	11.94	105	81037	6.161	ug/l	96
89) n-Butylbenzene	12.39	91	16757	1.621	ug/l	97

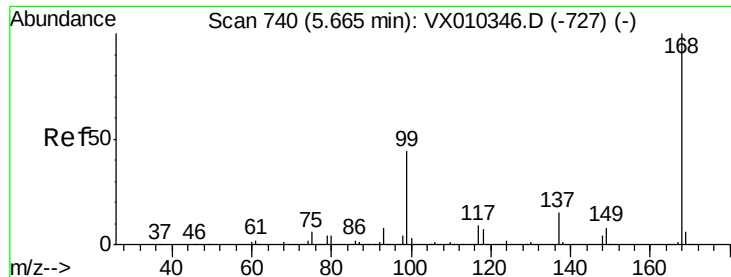
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010362.D

Acq: 20 Jun 2019 17:11

Instrument :

MSVOA_X

ClientSampleId :

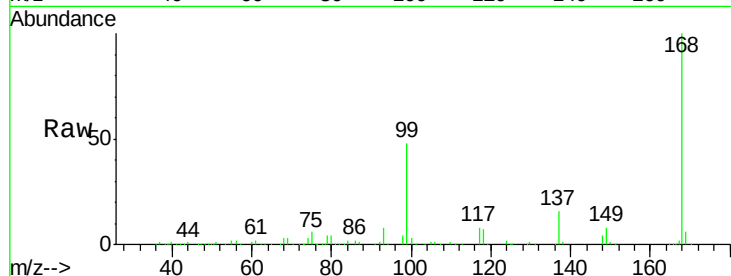
T3-MW-7-10.0-061919

Tot Ion:168 Resp: 316201

Ion Ratio Lower Upper

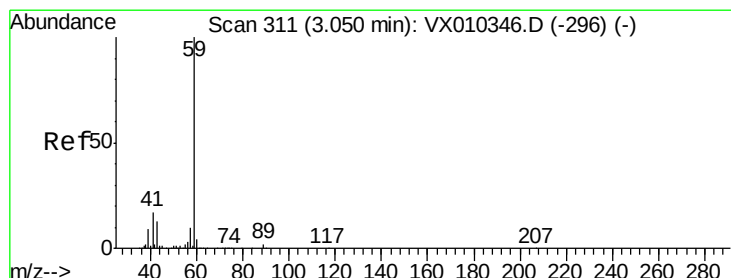
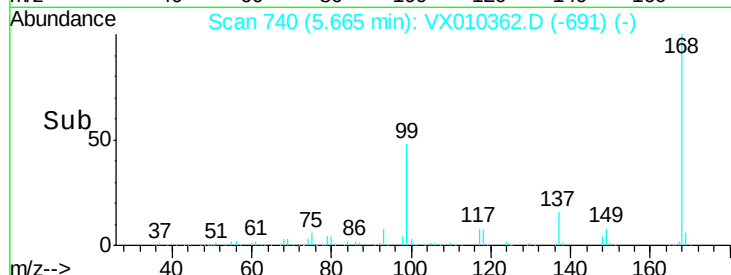
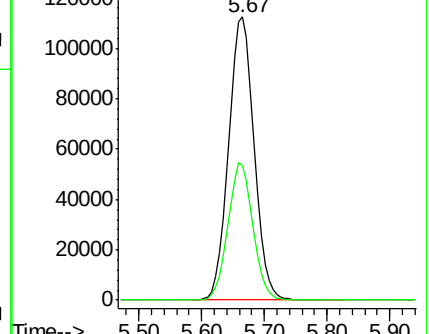
168 100

99 47.7 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 5.842 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX010362.D

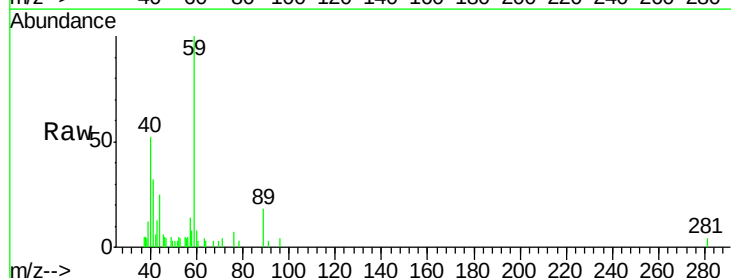
Acq: 20 Jun 2019 17:11

Tgt Ion: 59 Resp: 4532

Ion Ratio Lower Upper

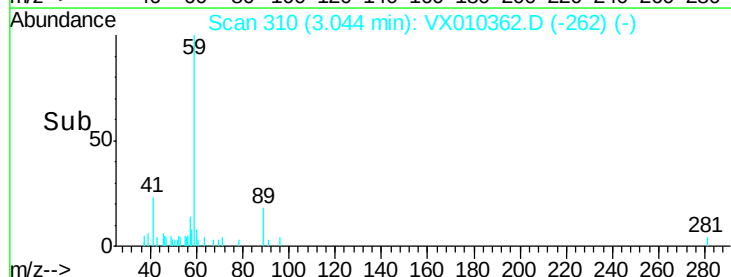
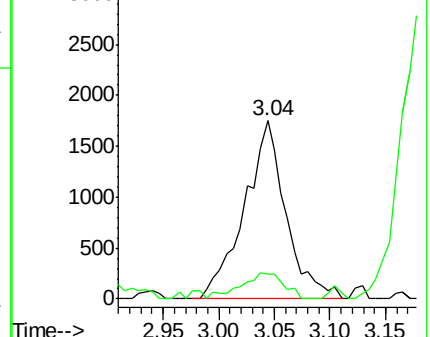
59 100

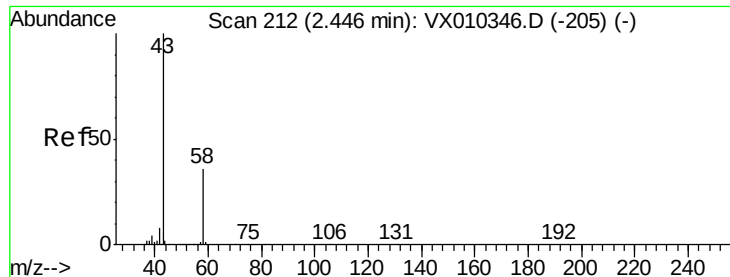
57 15.1 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 8.324 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010362.D

Acq: 20 Jun 2019 17:11

Instrument :

MSVOA_X

ClientSampleId :

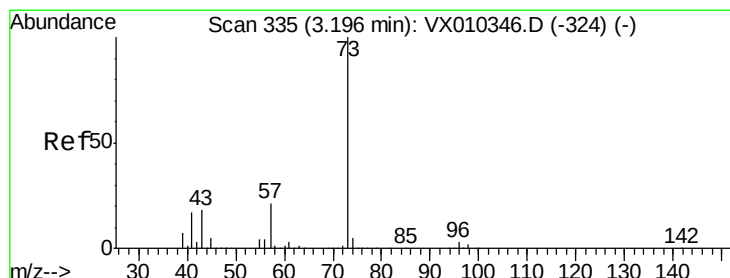
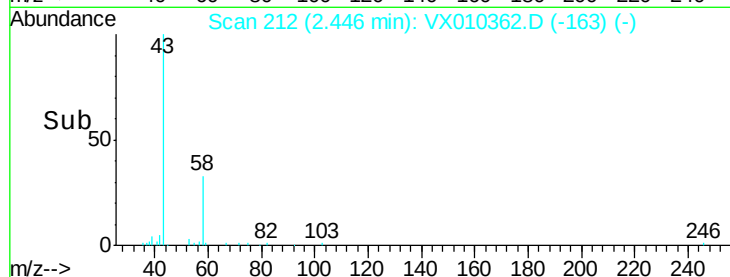
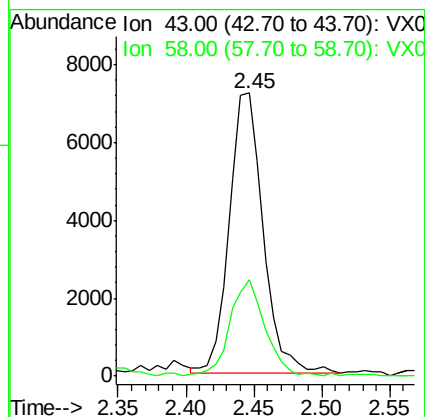
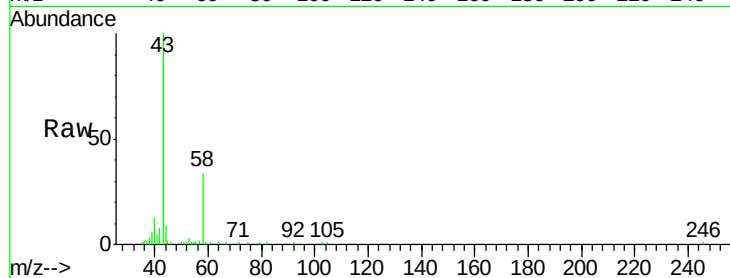
T3-MW-7-10.0-061919

Tot Ion: 43 Resp: 12368

Ion Ratio Lower Upper

43 100

58 34.6 28.9 43.3



#19

Methyl tert-butyl Ether

Concen: 2.027 ug/l

RT: 3.20 min Scan# 335

Delta R.T. 0.00 min

Lab File: VX010362.D

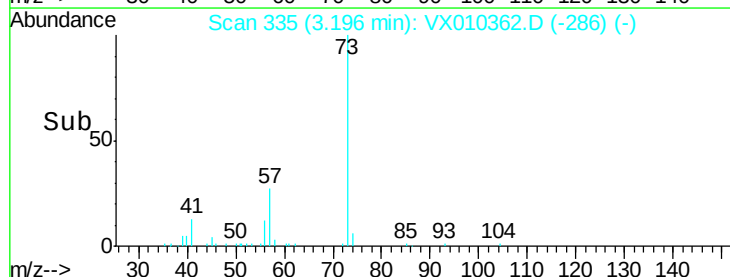
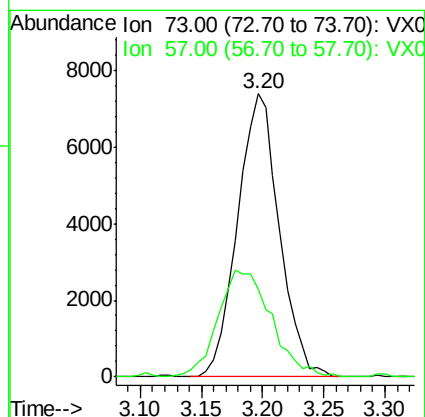
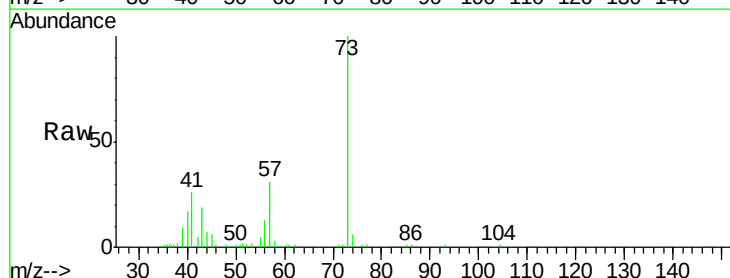
Acq: 20 Jun 2019 17:11

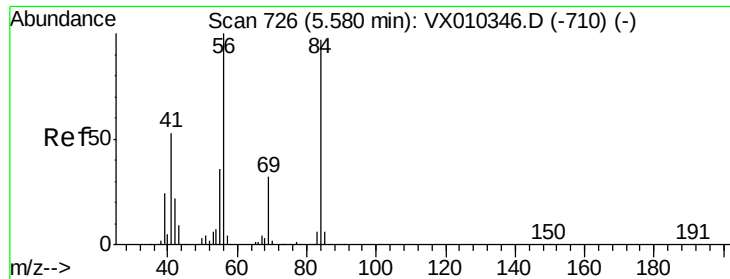
Tgt Ion: 73 Resp: 17475

Ion Ratio Lower Upper

73 100

57 31.0 16.4 24.6#

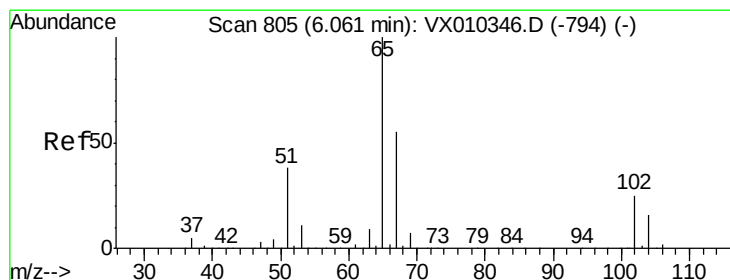
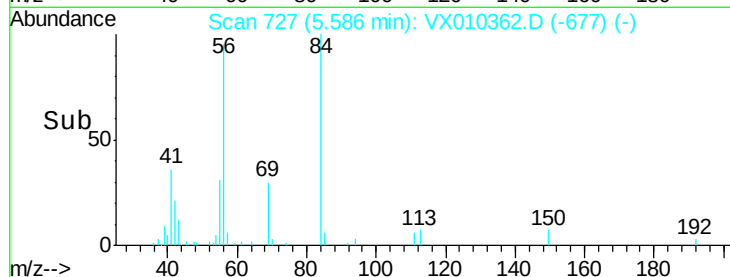
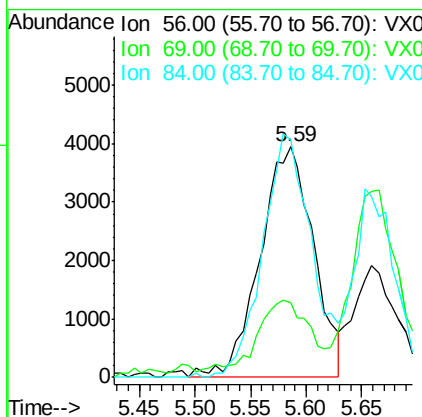
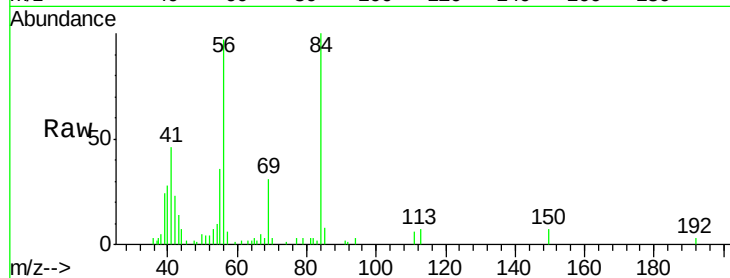




#31
Cyclohexane
Concen: 3.084 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX010362.D
Acq: 20 Jun 2019 17:11

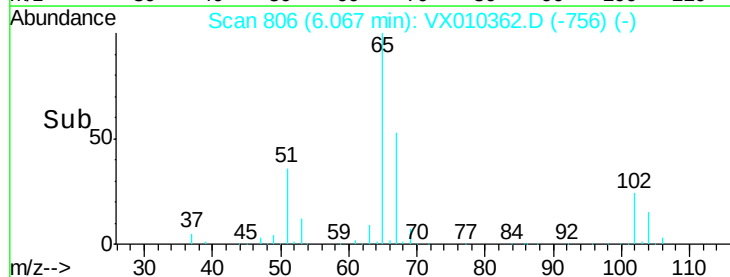
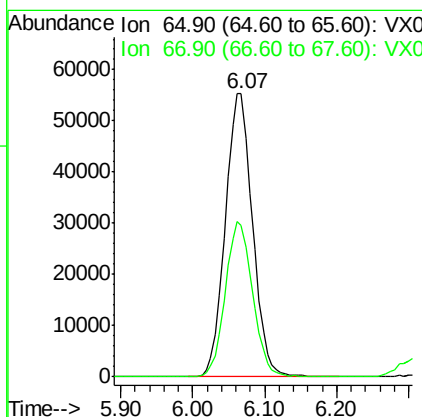
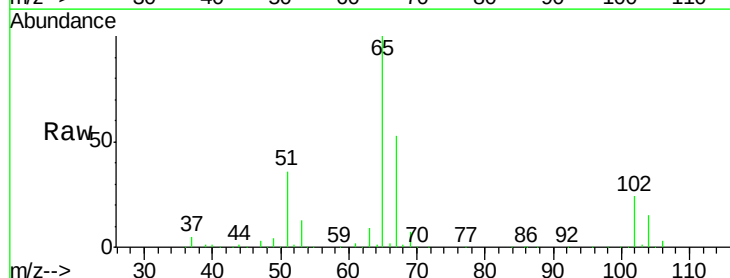
Instrument :
MSVOA_X
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T3-MW-7-10.0-061919

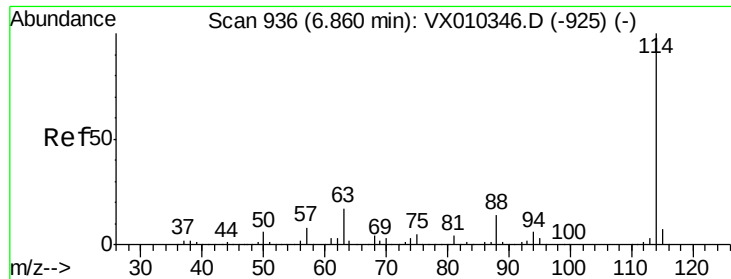
Tot Ion: 56 Resp: 13205
Ion Ratio Lower Upper
56 100
69 27.0 25.9 38.9
84 102.9 78.0 117.0



#33
1,2-Dichloroethane-d4
Concen: 49.200 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX010362.D
Acq: 20 Jun 2019 17:11

Tgt Ion: 65 Resp: 145864
Ion Ratio Lower Upper
65 100
67 54.9 0.0 110.2

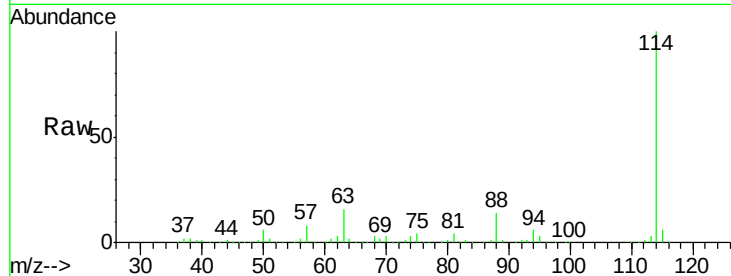




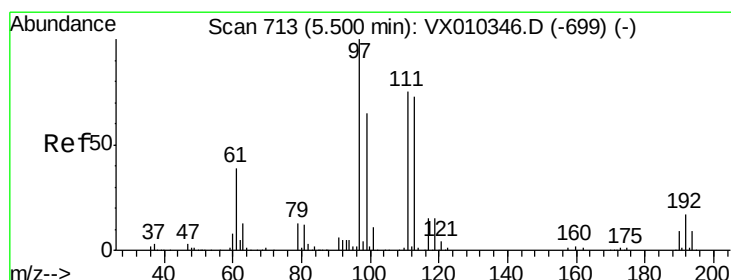
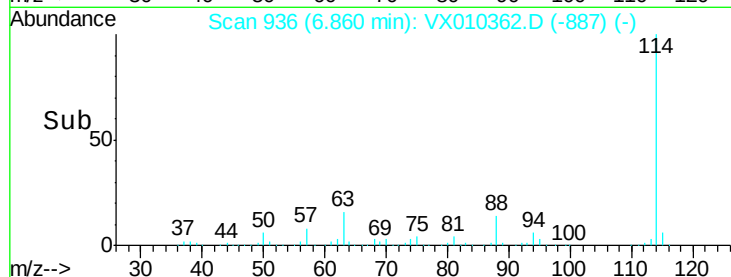
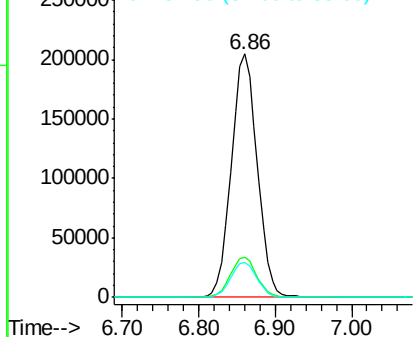
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010362.D
 Acq: 20 Jun 2019 17:11

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-7-10.0-061919

Tot Ion:114 Resp: 479022
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 33.8
 88 14.1 0.0 27.6

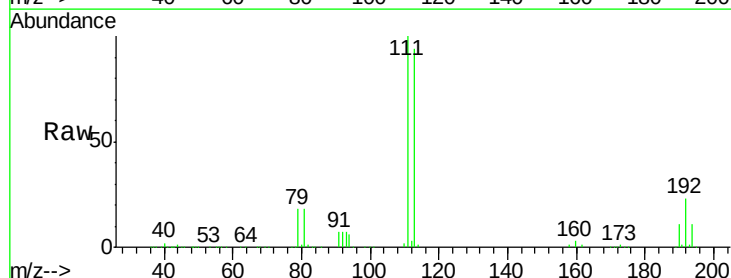


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

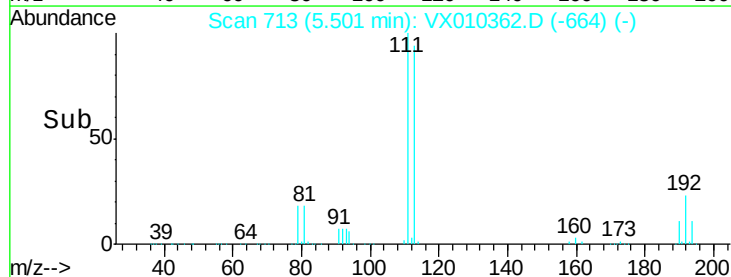
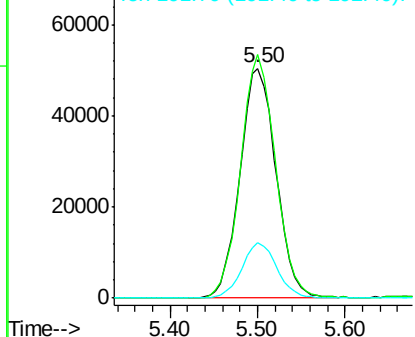


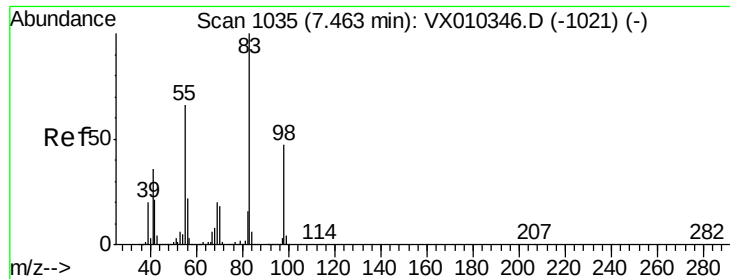
#35
 Dibromofluoromethane
 Concen: 49.481 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010362.D
 Acq: 20 Jun 2019 17:11

Tgt Ion:113 Resp: 145019
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.2 121.8
 192 23.3 18.6 27.8



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

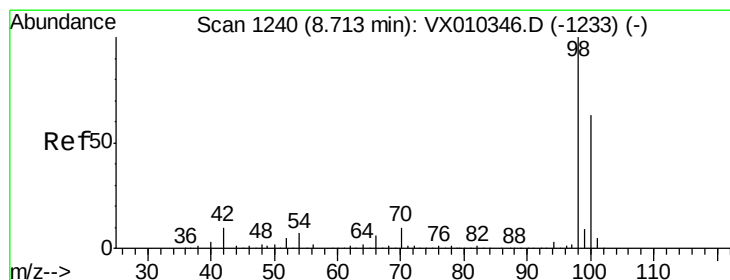
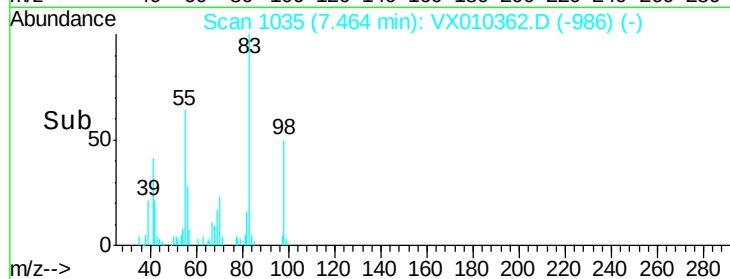
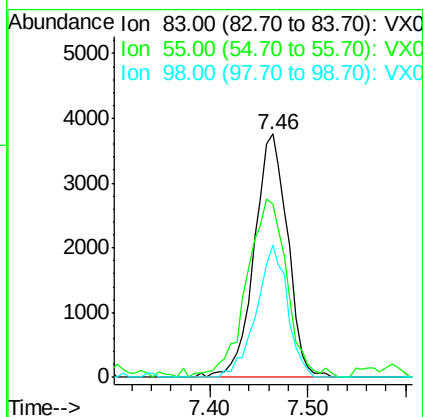
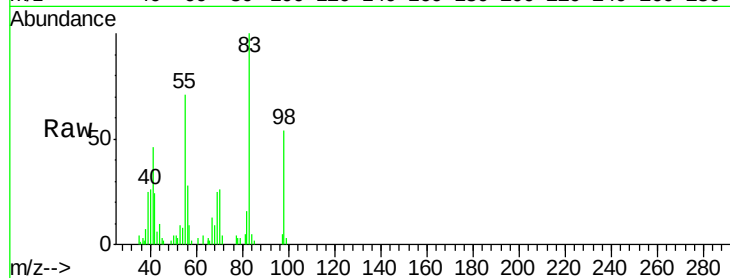




#39
Methylcyclohexane
Concen: 1.792 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010362.D
Acq: 20 Jun 2019 17:11

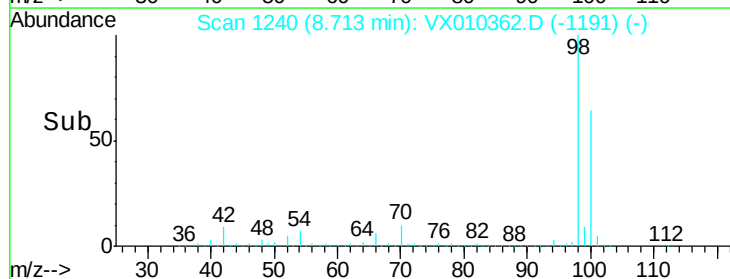
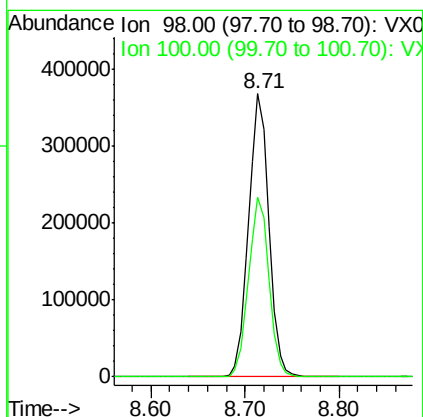
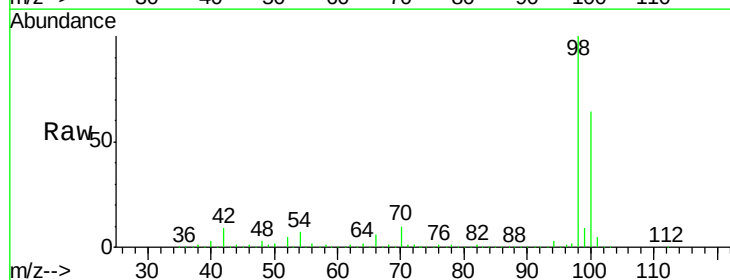
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ClientSampleId :
T3-MW-7-10.0-061919

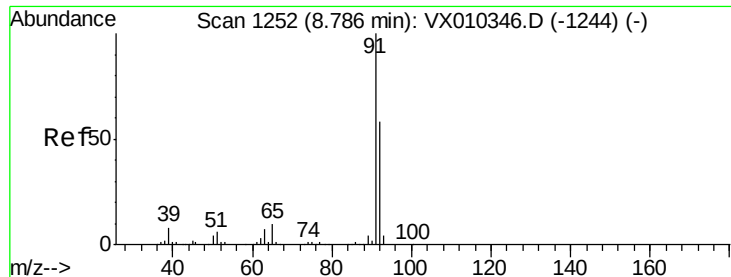
Tot Ion: 83 Resp: 8966
Ion Ratio Lower Upper
83 100
55 71.2 53.0 79.6
98 54.5 37.8 56.8



#50
Toluene-d8
Concen: 49.766 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010362.D
Acq: 20 Jun 2019 17:11

Tgt Ion: 98 Resp: 558019
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4





#52

Toluene

Concen: 0.353 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010362.D

Acq: 20 Jun 2019 17:11

Instrument :

MSVOA_X

ClientSampleId :

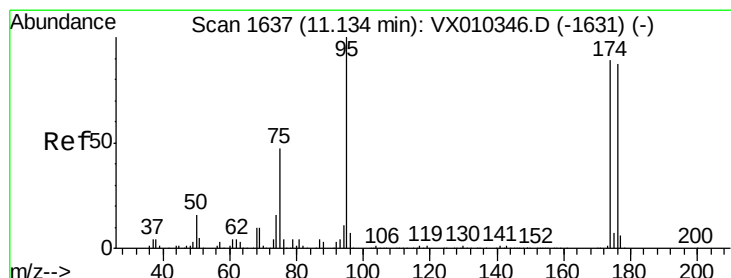
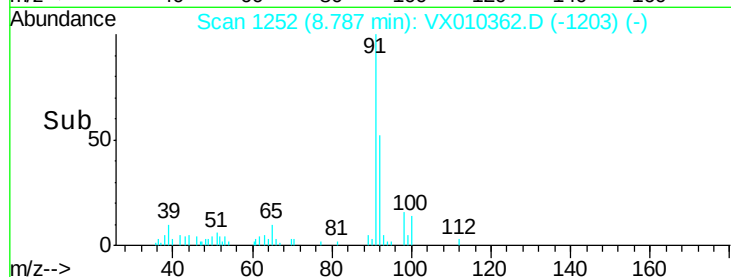
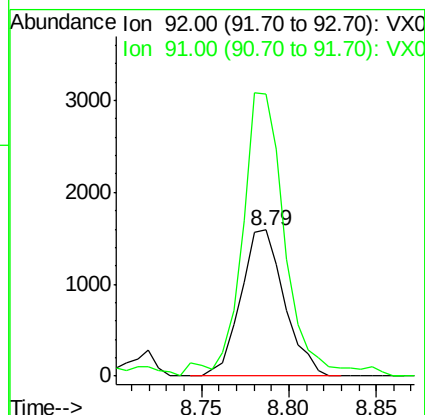
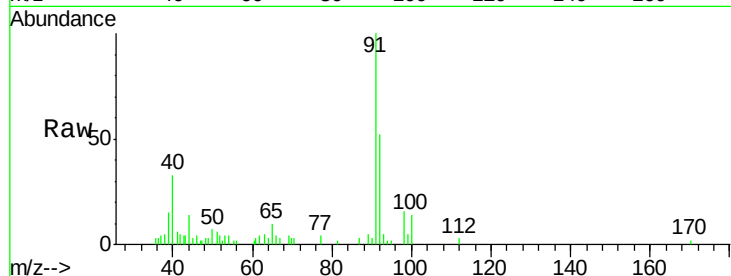
T3-MW-7-10.0-061919

Tot Ion: 92 Resp: 2759

Ion Ratio Lower Upper

92 100

91 191.8 139.8 209.6



#62

4-Bromofluorobenzene

Concen: 46.399 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010362.D

Acq: 20 Jun 2019 17:11

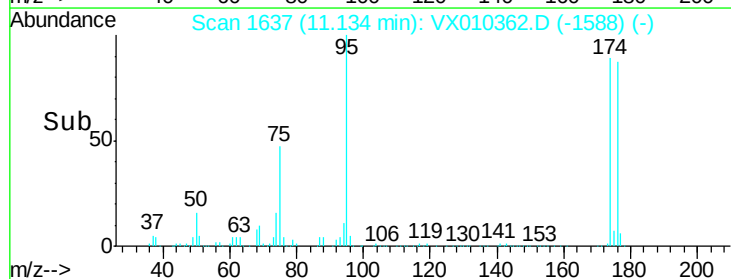
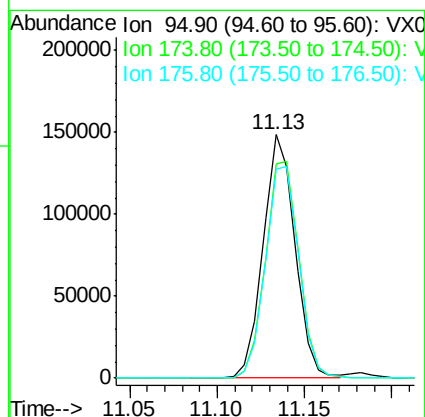
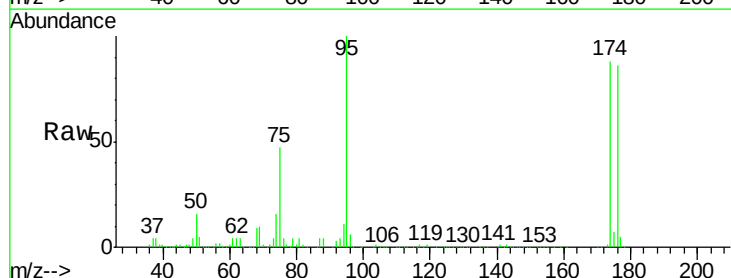
Tgt Ion: 95 Resp: 187830

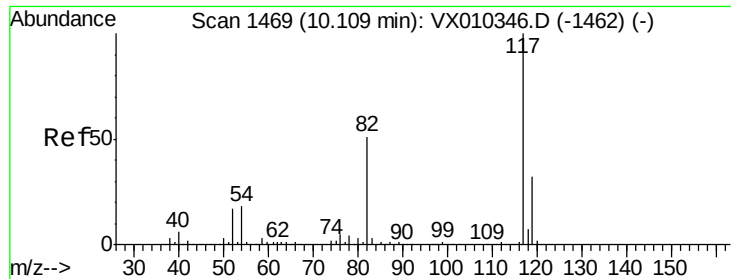
Ion Ratio Lower Upper

95 100

174 93.9 0.0 187.6

176 91.5 0.0 184.0

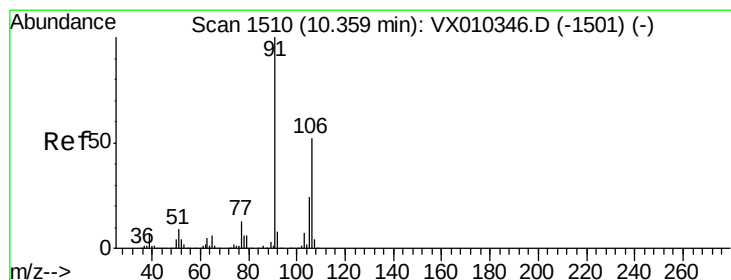
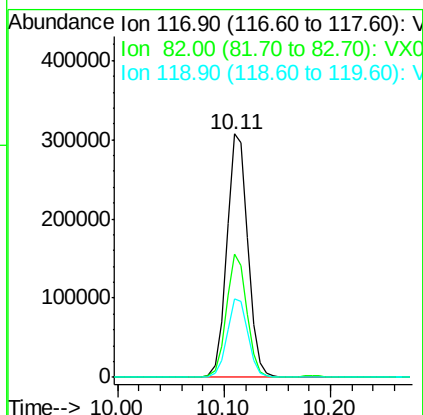
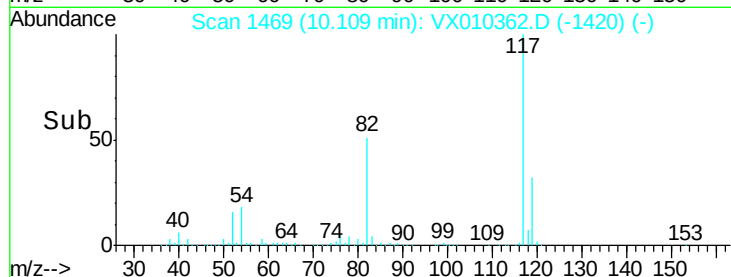
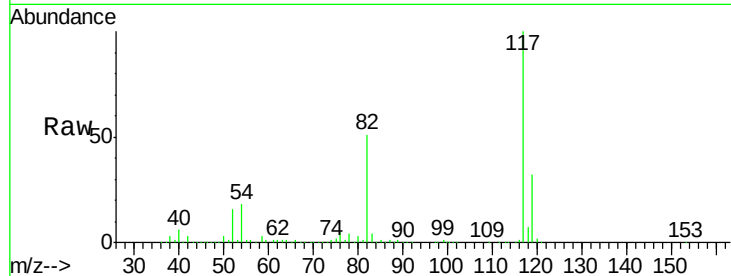




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010362.D
Acq: 20 Jun 2019 17:11

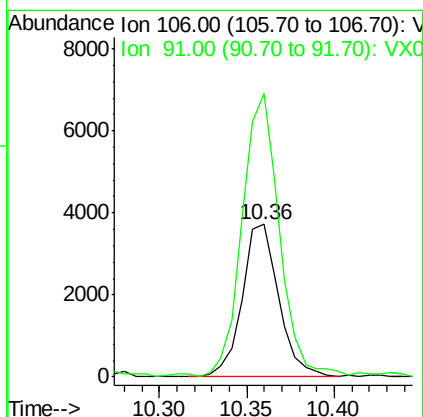
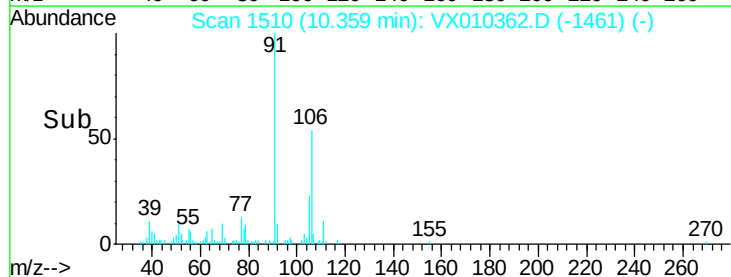
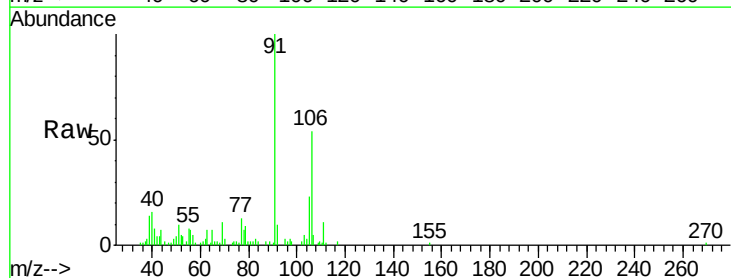
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T3-MW-7-10.0-061919

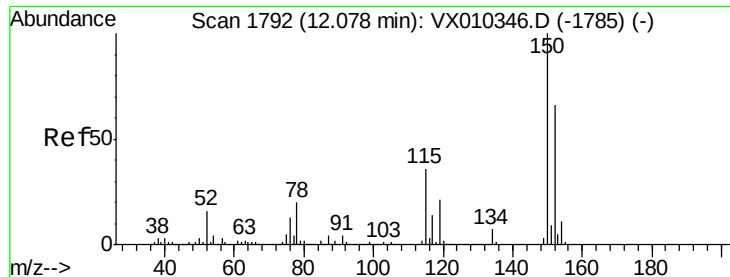
Tot Ion:117 Resp: 424356
Ion Ratio Lower Upper
117 100
82 50.6 41.2 61.8
119 32.4 25.5 38.3



#68
m/p-Xylenes
Concen: 0.965 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010362.D
Acq: 20 Jun 2019 17:11

Tgt Ion:106 Resp: 5440
Ion Ratio Lower Upper
106 100
91 191.9 155.3 232.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010362.D

Acq: 20 Jun 2019 17:11

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-7-10.0-061919

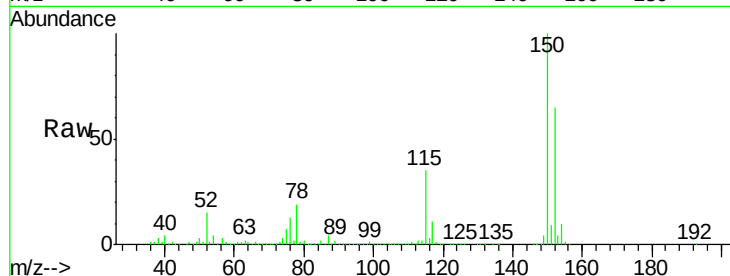
Tot Ion:152 Resp: 199725

Ion Ratio Lower Upper

152 100

115 54.5 38.6 115.7

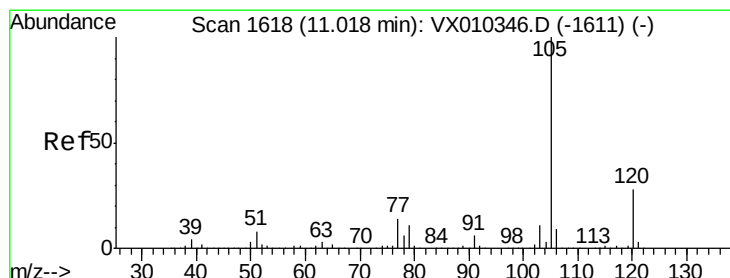
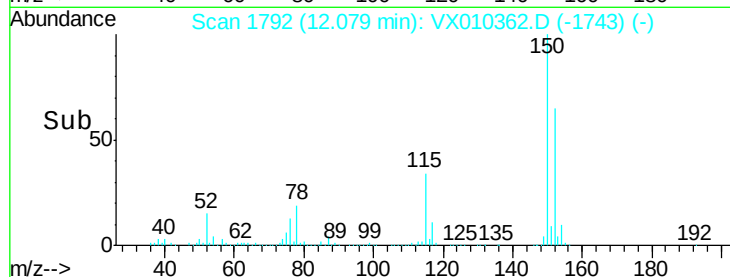
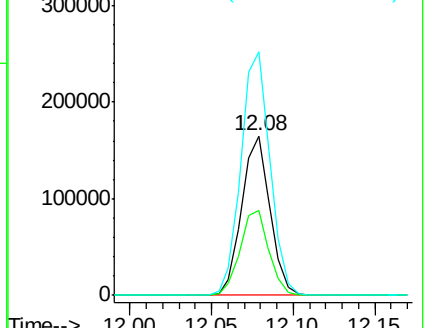
150 156.9 0.0 347.4



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



#73

Isopropylbenzene

Concen: 6.621 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010362.D

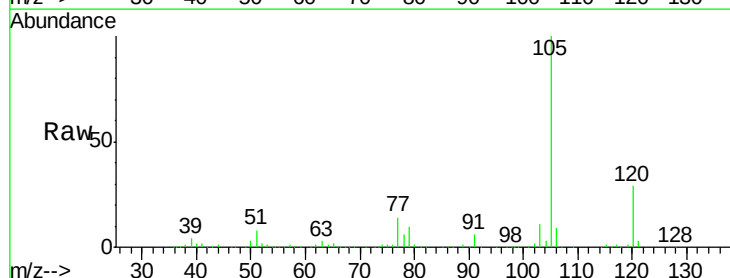
Acq: 20 Jun 2019 17:11

Tgt Ion:105 Resp: 89635

Ion Ratio Lower Upper

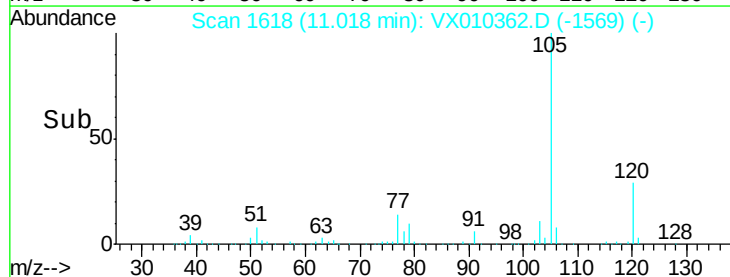
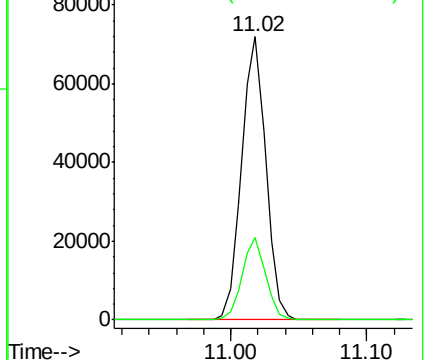
105 100

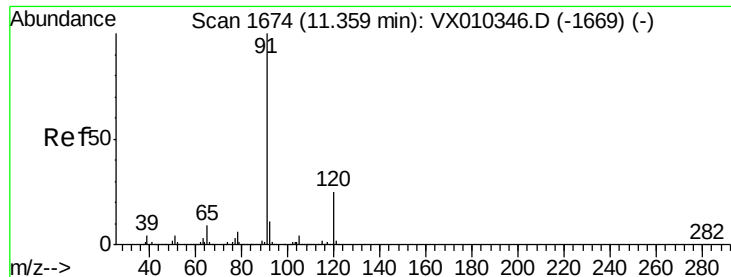
120 28.1 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 2.413 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010362.D

Acq: 20 Jun 2019 17:11

Instrument :

MSVOA_X

ClientSampleId :

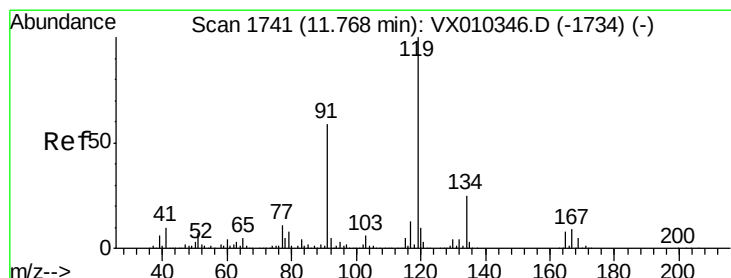
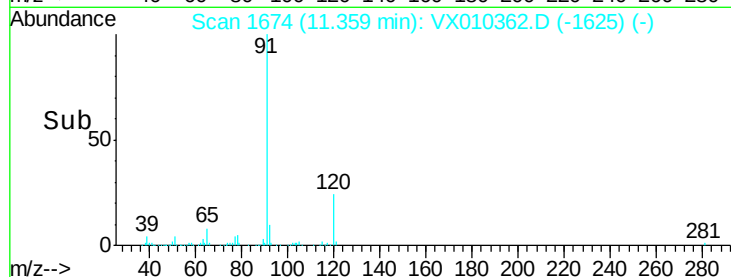
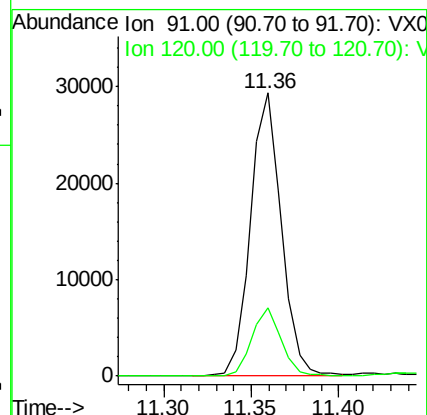
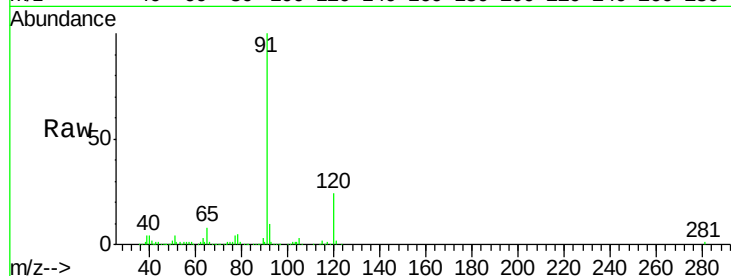
T3-MW-7-10.0-061919

Tot Ion: 91 Resp: 35904

Ion Ratio Lower Upper

91 100

120 23.3 12.4 37.4



#83

tert-Butylbenzene

Concen: 2.197 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010362.D

Acq: 20 Jun 2019 17:11

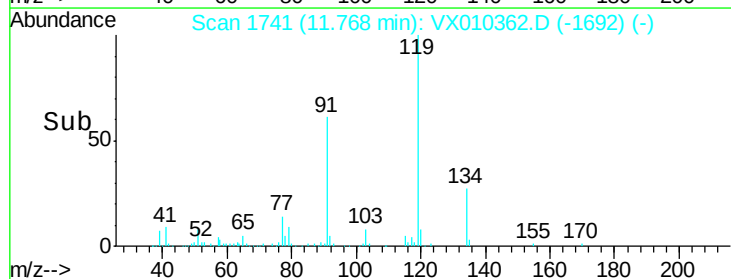
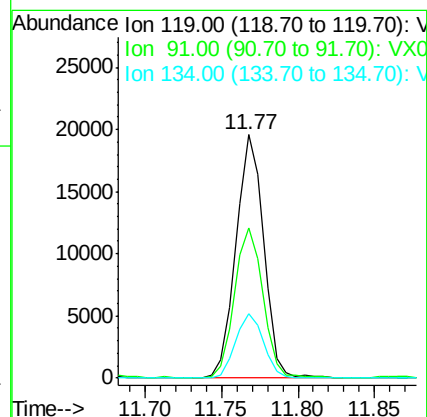
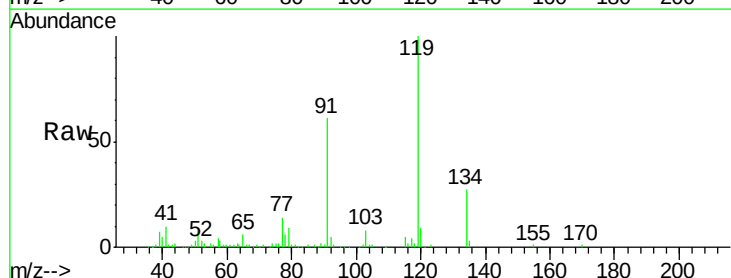
Tgt Ion: 119 Resp: 24609

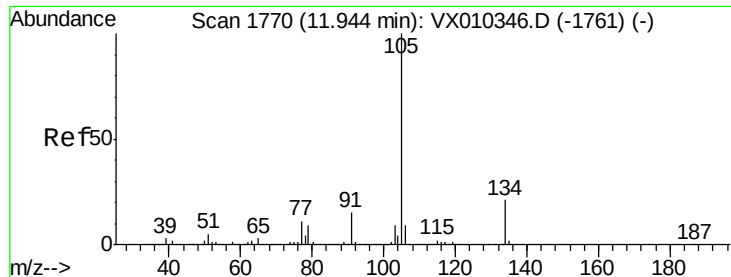
Ion Ratio Lower Upper

119 100

91 63.8 27.6 82.7

134 26.6 11.8 35.4

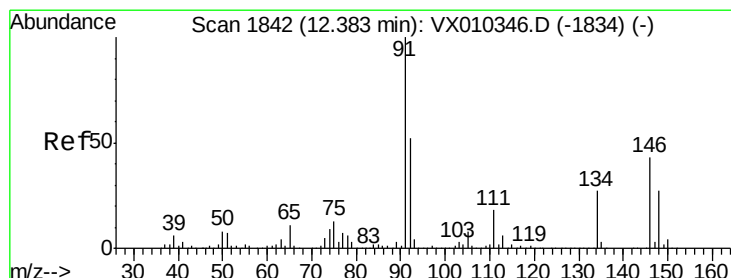
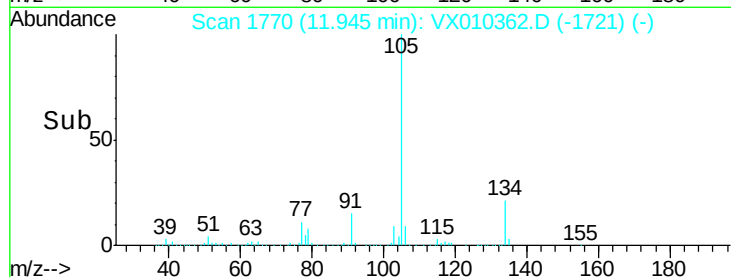
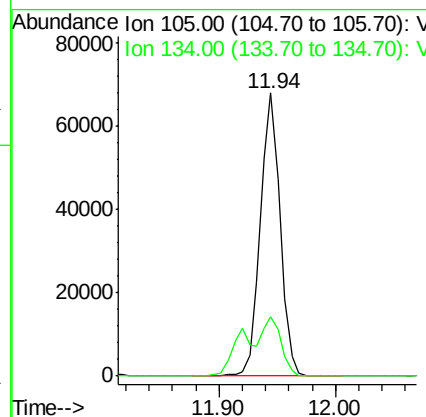
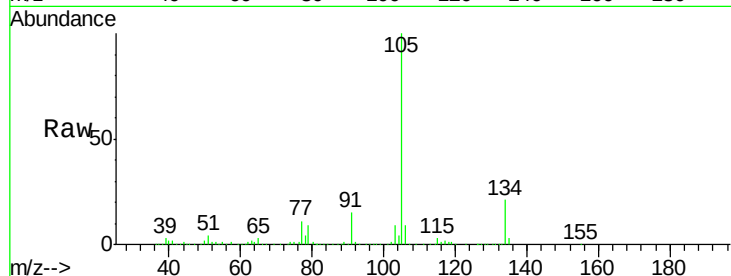




#85
 sec-Butylbenzene
 Concen: 6.161 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010362.D
 Acq: 20 Jun 2019 17:11

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-7-10.0-061919

Tot Ion: 105 Resp: 81037
 Ion Ratio Lower Upper
 105 100
 134 19.4 10.7 31.9



#89
 n-Butylbenzene
 Concen: 1.621 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: VX010362.D
 Acq: 20 Jun 2019 17:11

Tgt Ion: 91 Resp: 16757
 Ion Ratio Lower Upper
 91 100
 92 52.7 26.2 78.5
 134 32.3 14.1 42.4

