

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX062019\
 Data File : VX010364.D
 Acq On : 20 Jun 2019 17:58
 Operator : JC/SP
 Sample : K3469-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-13-8.0-061919

Manual Integrations
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MMDadoda
 6/21/2019 11:35:22 AM

Quant Time: Jul 01 01:06:00 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	304655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	461986	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	403147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	191015	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	138475	48.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.96%	
35) Dibromofluoromethane	5.50	113	142379	50.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.74%	
50) Toluene-d8	8.71	98	538270	49.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	11.13	95	179084	45.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.74%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.04	59	6415	8.583	ug/l #	92
16) Acetone	2.44	43	23255	16.244	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	97141	11.693	ug/l	95
39) Methylcyclohexane	7.46	83	4735	0.981	ug/l #	90
40) Benzene	6.15	78	8150	0.713	ug/l	97
73) Isopropylbenzene	11.02	105	31039	2.397	ug/l	100
78) n-propylbenzene	11.36	91	41051	2.885	ug/l	100
83) tert-Butylbenzene	11.77	119	3992	0.373	ug/l	87
85) sec-Butylbenzene	11.94	105	17903	1.423	ug/l	85
89) n-Butylbenzene	12.38	91	4216m	0.426	ug/l	
95) Naphthalene	13.83	128	50887	3.807	ug/l	96

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

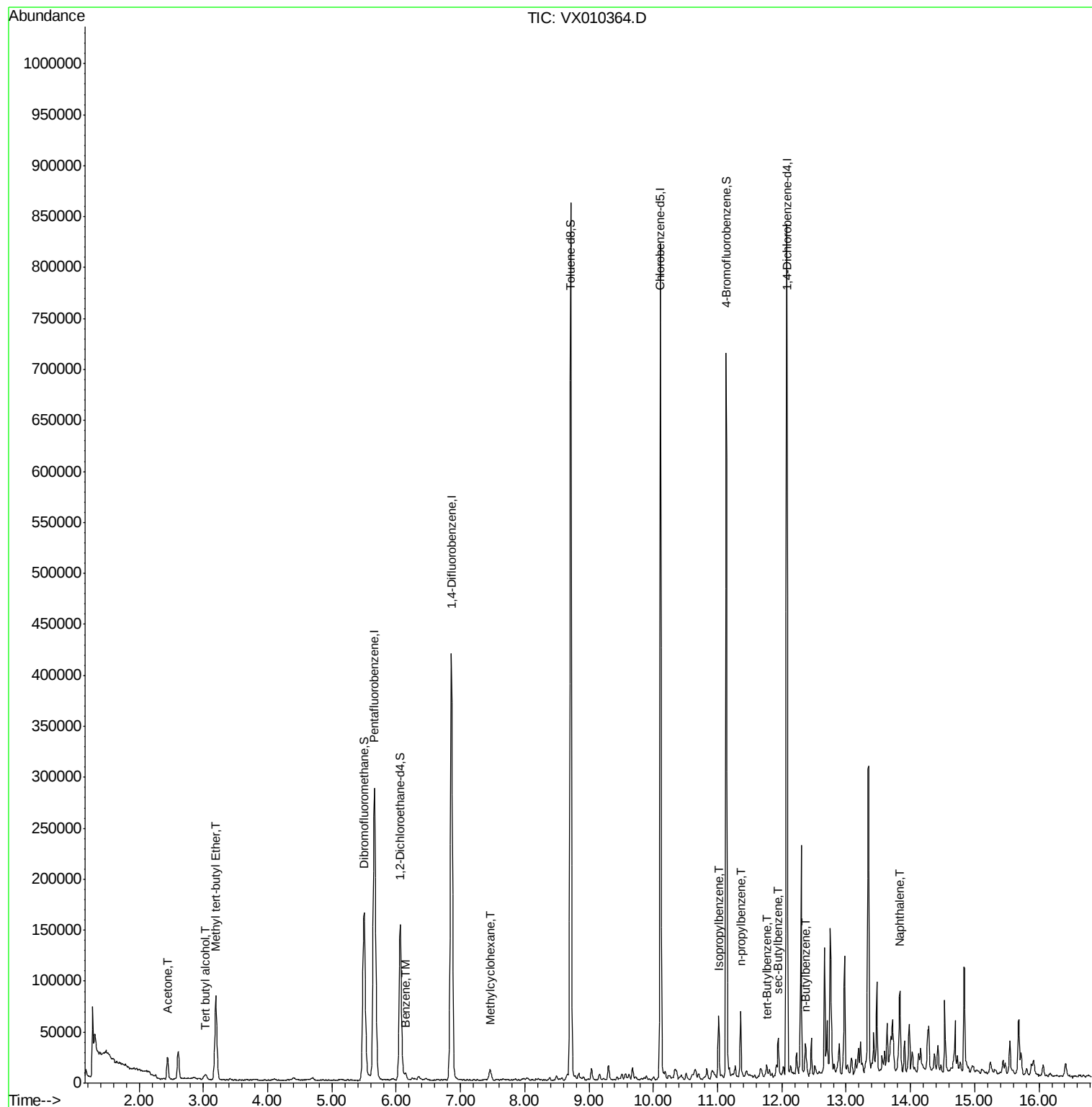
Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX062019\
Data File : VX010364.D
Acq On : 20 Jun 2019 17:58
Operator : JC/SP
Sample : K3469-13
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

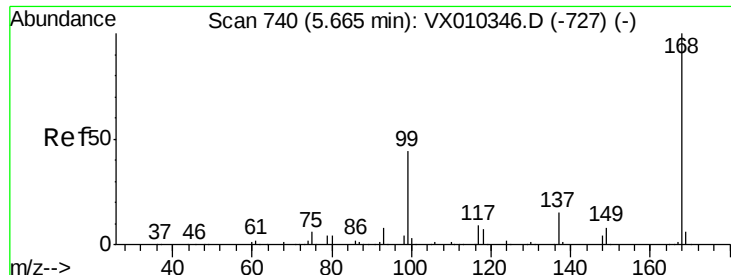
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-13-8.0-061919

Manual Integrations
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Quant Time: Jul 01 01:06:00 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010364.D

Acq: 20 Jun 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-13-8.0-061919

Tot Ion:168 Resp: 304655

Ion Ratio Lower Upper

168 100

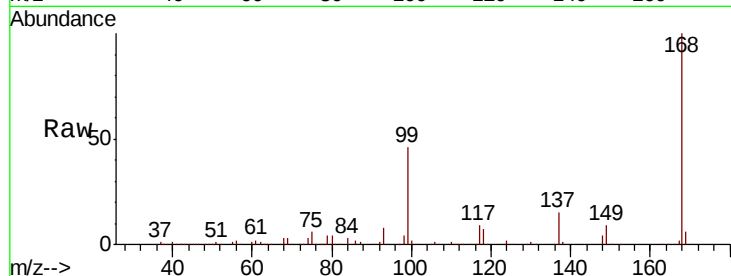
99 46.4 35.5 53.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

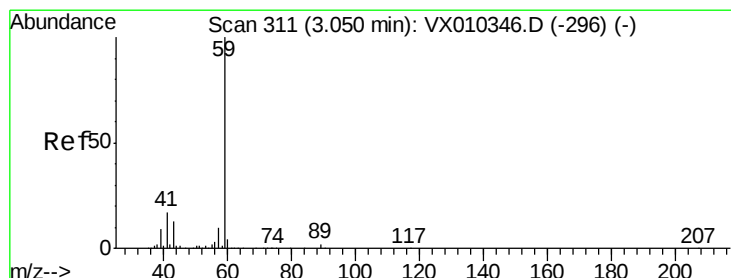
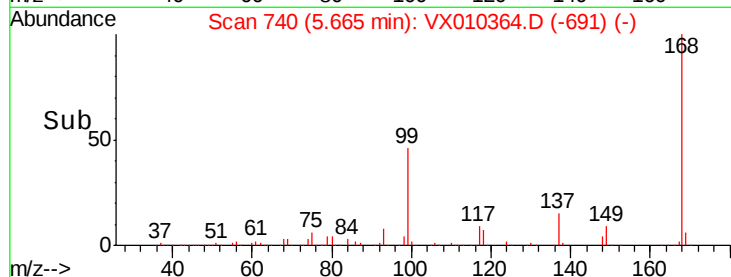
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 8.583 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX010364.D

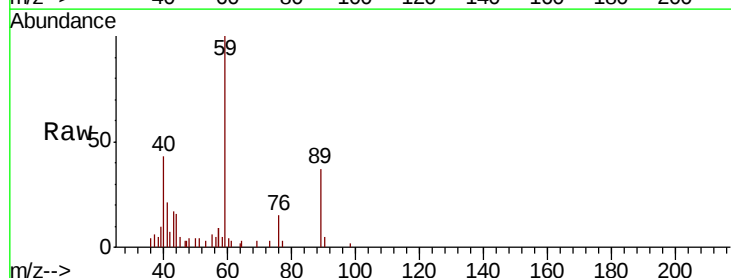
Acq: 20 Jun 2019 17:58

Tgt Ion: 59 Resp: 6415

Ion Ratio Lower Upper

59 100

57 12.4 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

10000

8000

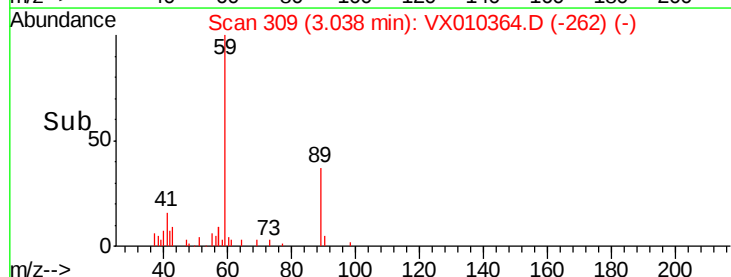
6000

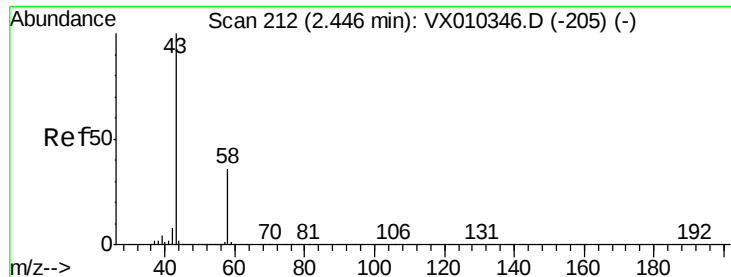
4000

2000

0

Time--> 2.90 3.00 3.10





#16

Acetone

Concen: 16.244 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010364.D

Acq: 20 Jun 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-13-8.0-061919

Tot Ion: 43 Resp: 23255

Ion Ratio Lower Upper

43 100

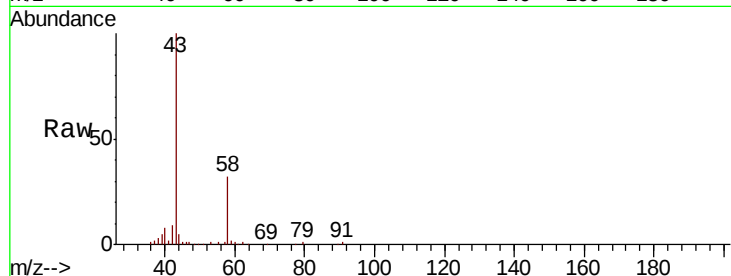
58 32.6 28.9 43.3

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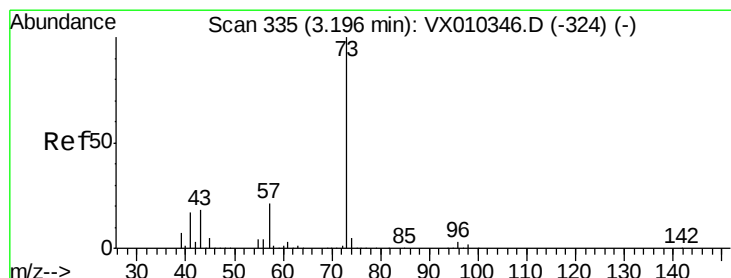
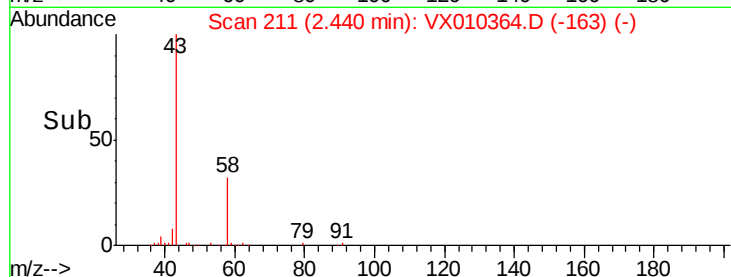
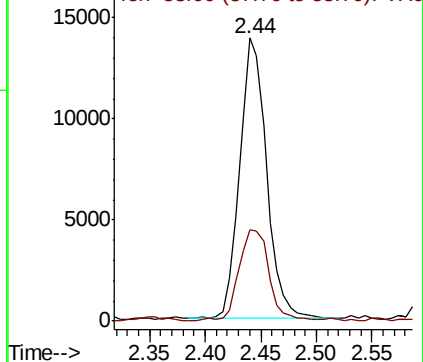
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#19

Methyl tert-butyl Ether

Concen: 11.693 ug/l

RT: 3.20 min Scan# 335

Delta R.T. 0.00 min

Lab File: VX010364.D

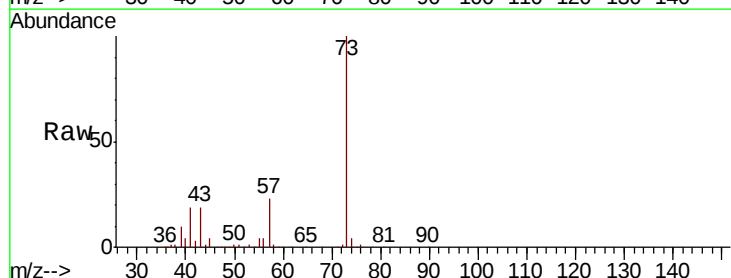
Acq: 20 Jun 2019 17:58

Tgt Ion: 73 Resp: 97141

Ion Ratio Lower Upper

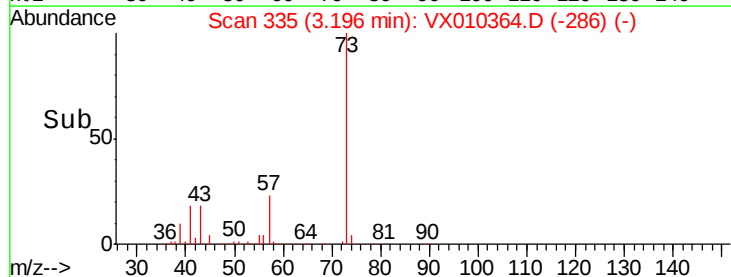
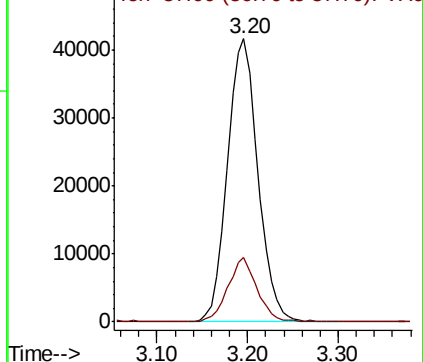
73 100

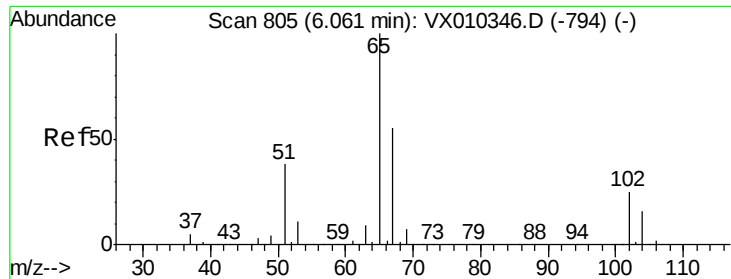
57 22.6 16.4 24.6



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





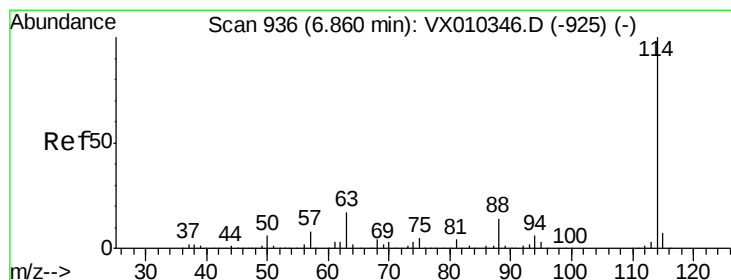
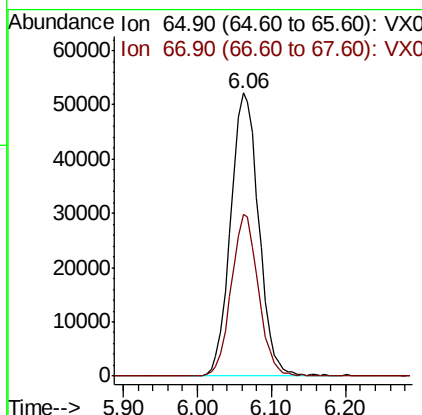
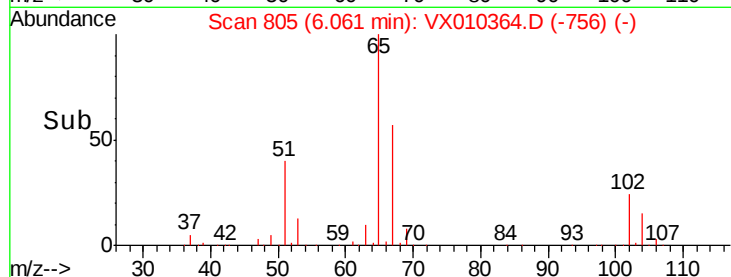
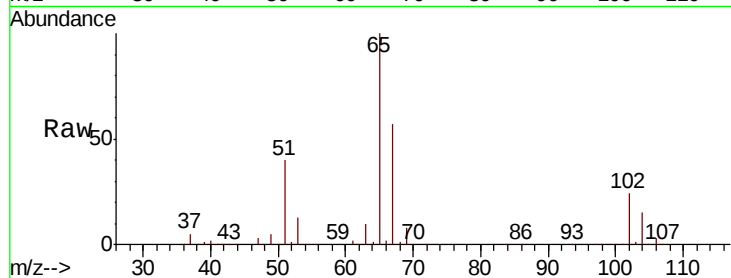
#33
 1,2-Dichloroethane-d4
 Concen: 48.478 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010364.D
 Acq: 20 Jun 2019 17:58

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-13-8.0-061919

Tot Ion	Ratio	Resp	Lower	Upper
65	100	138475		
67	55.1	0.0	110.2	

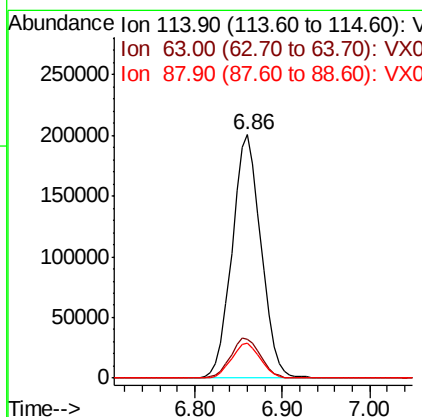
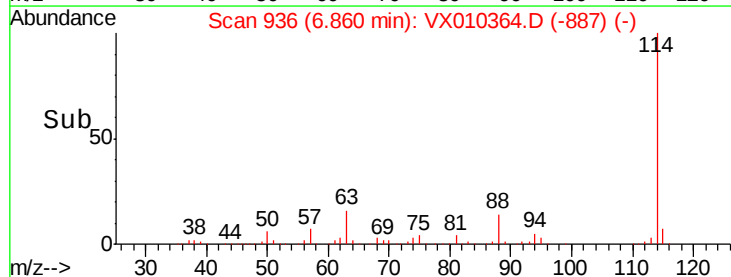
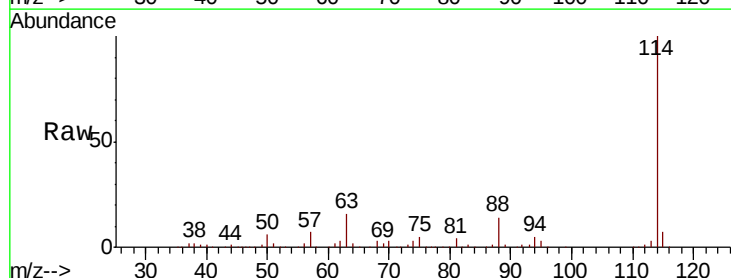
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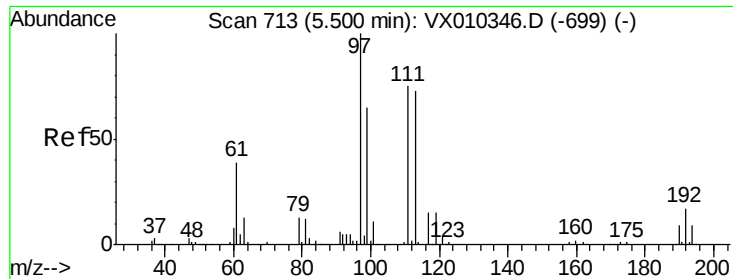
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010364.D
 Acq: 20 Jun 2019 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	461986		
63	16.2	0.0	33.8	
88	14.2	0.0	27.6	





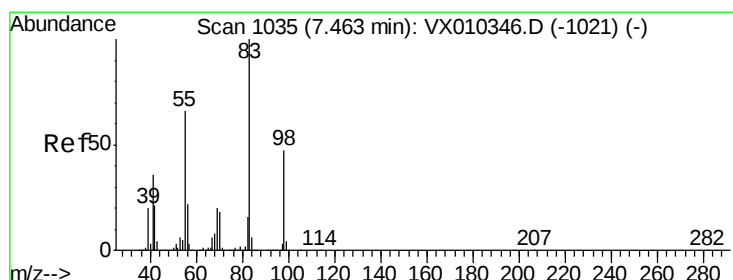
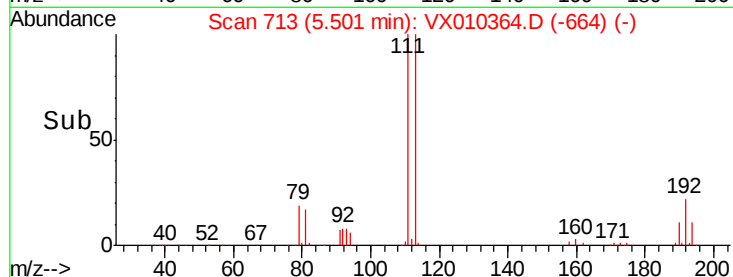
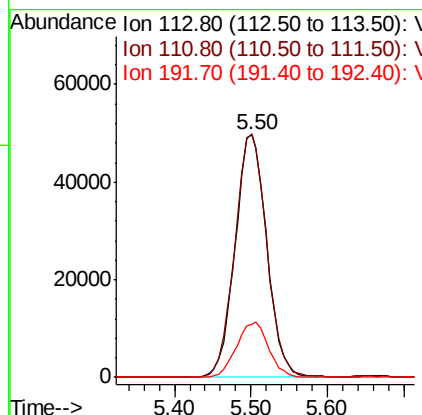
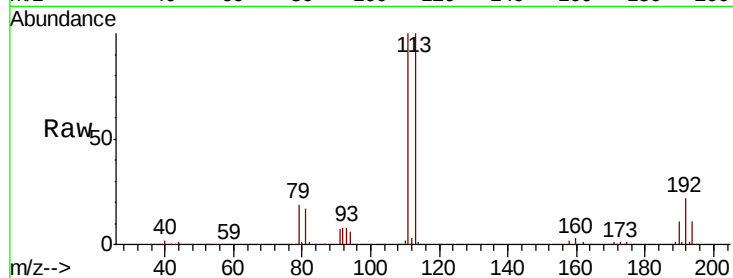
#35
 Dibromofluoromethane
 Concen: 50.371 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010364.D
 Acq: 20 Jun 2019 17:58

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-13-8.0-061919

Tot Ion	Ratio	Resp	Lower	Upper
113	100	142379		
111	101.1	81.2	121.8	
192	23.1	18.6	27.8	

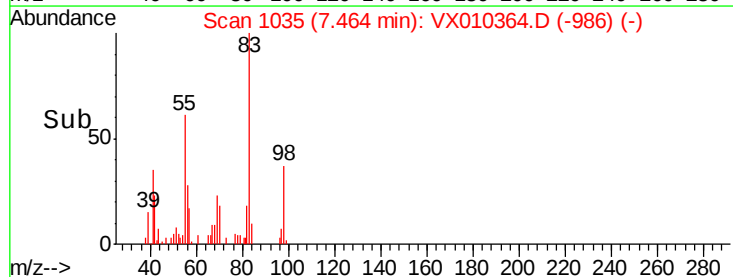
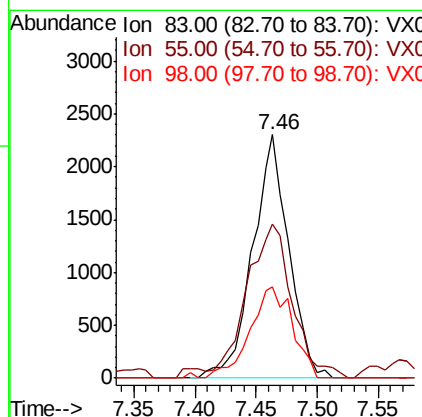
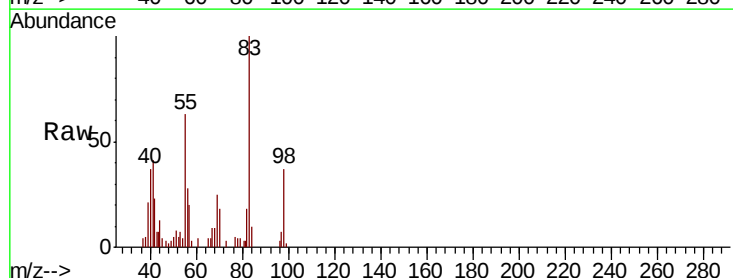
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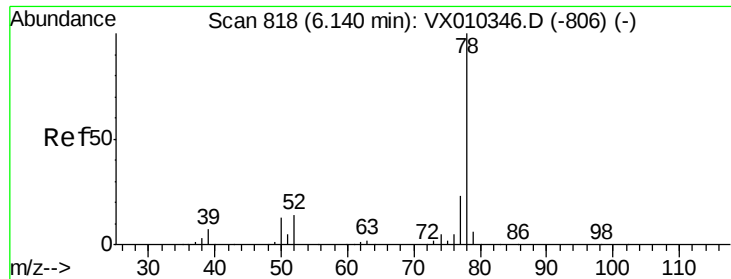
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#39
 Methylcyclohexane
 Concen: 0.981 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX010364.D
 Acq: 20 Jun 2019 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	4735		
55	61.1	53.0	79.6	
98	37.3	37.8	56.8#	





#40

Benzene

Concen: 0.713 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX010364.D

Acq: 20 Jun 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-13-8.0-061919

Tot Ion: 78 Resp: 8150

Ion Ratio Lower Upper

78 100

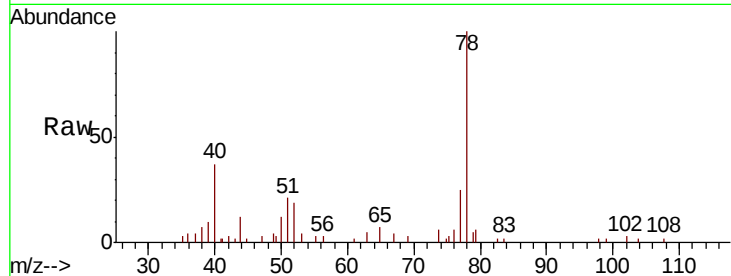
77 24.8 18.6 28.0

Manual Integrations

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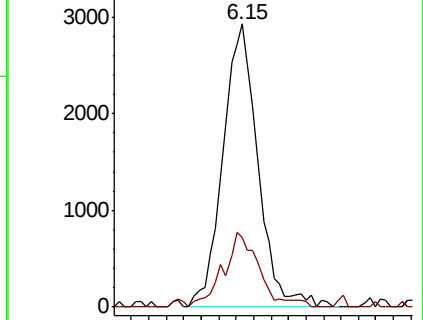
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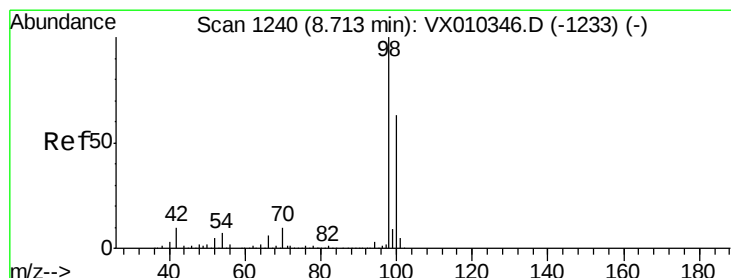
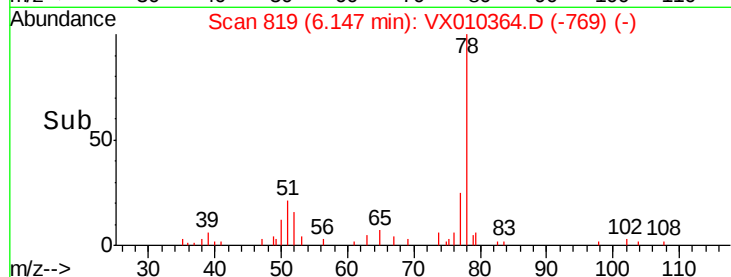


Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#50

Toluene-d8

Concen: 49.775 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010364.D

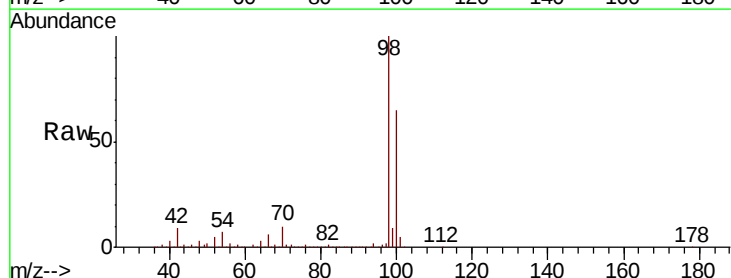
Acq: 20 Jun 2019 17:58

Tgt Ion: 98 Resp: 538270

Ion Ratio Lower Upper

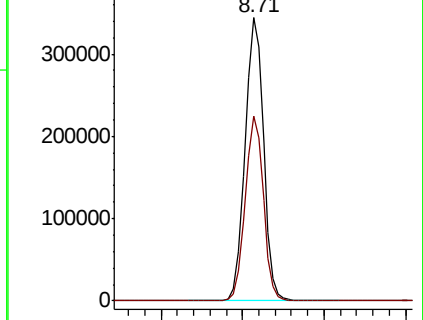
98 100

100 64.2 51.6 77.4

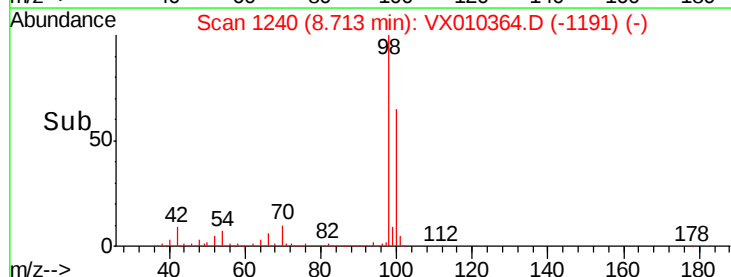


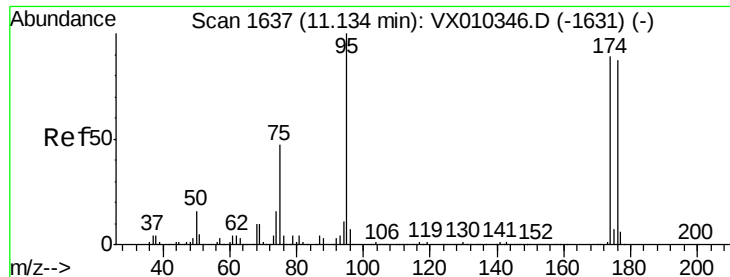
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->





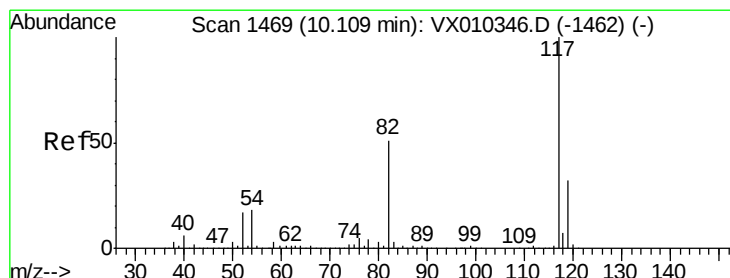
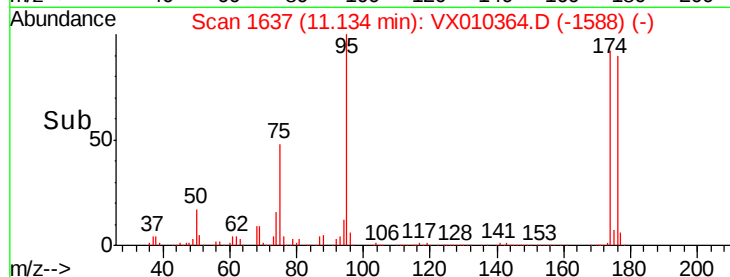
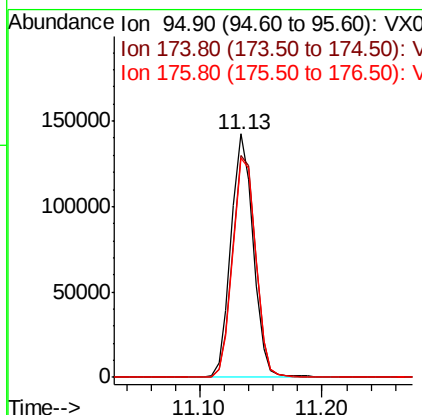
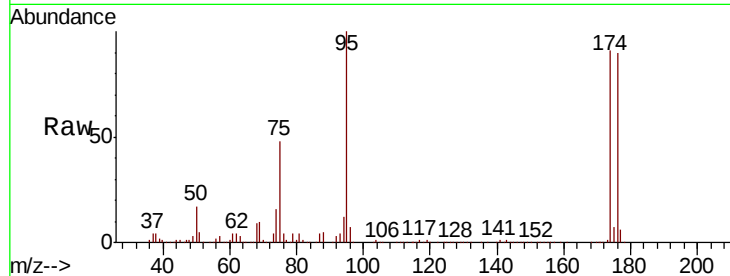
#62
4-Bromofluorobenzene
Concen: 45.870 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010364.D
Acq: 20 Jun 2019 17:58

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-13-8.0-061919

Tot Ion	Ratio	Resp	Lower	Upper
95	100	179084		
174	94.1	0.0	187.6	
176	92.8	0.0	184.0	

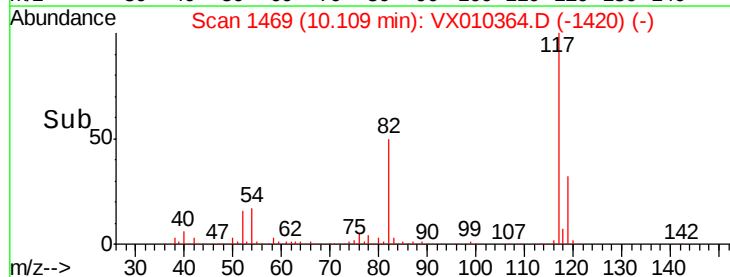
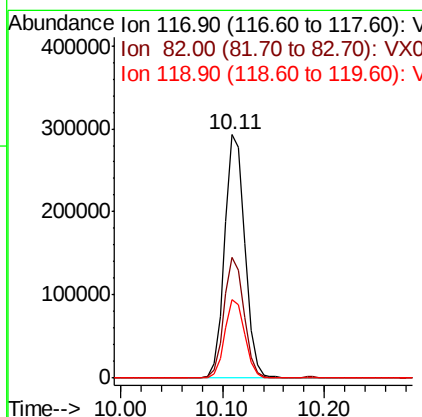
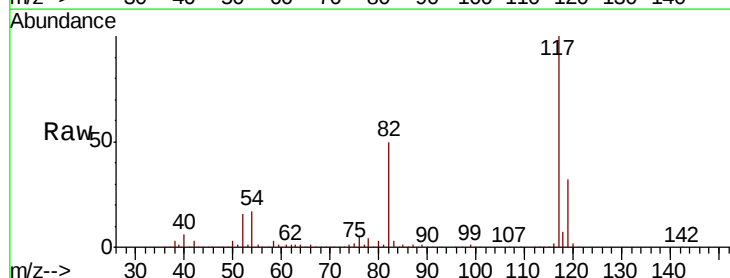
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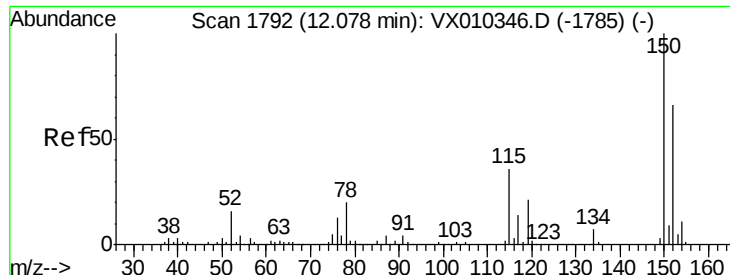
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010364.D
Acq: 20 Jun 2019 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	403147		
82	49.8	41.2	61.8	
119	32.4	25.5	38.3	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010364.D

Acq: 20 Jun 2019 17:58

Instrument :

MSVOA_X

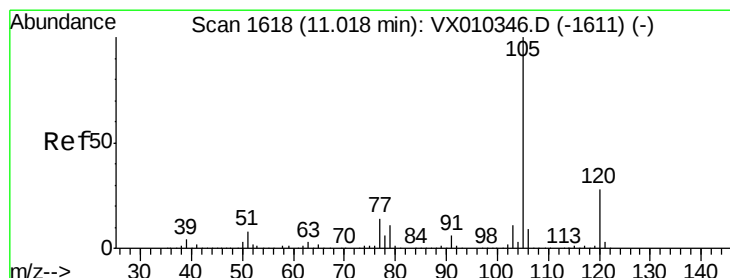
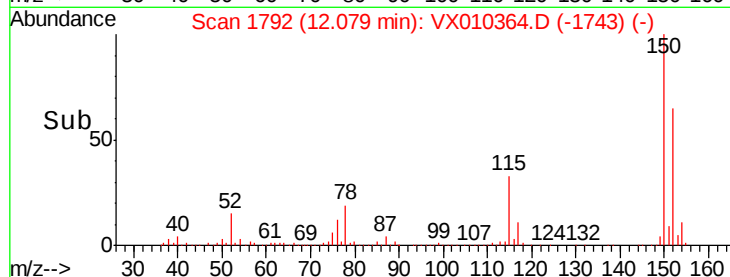
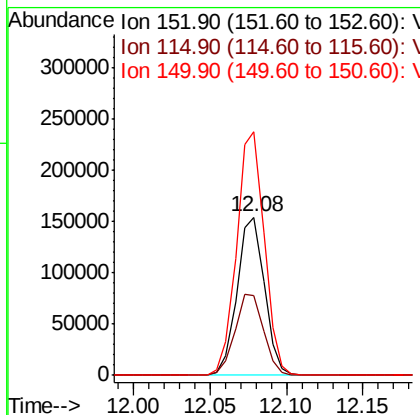
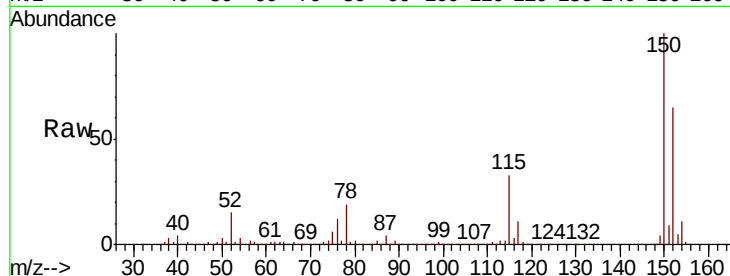
ClientSampleId :

T11-MW-13-8.0-061919

Tot Ion:	152	Resp:	191015
Ion Ratio	Lower	Upper	
152	100		
115	53.6	38.6	115.7
150	155.9	0.0	347.4

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6/21/2019 11:35:22 AM



#73

Isopropylbenzene

Concen: 2.397 ug/l

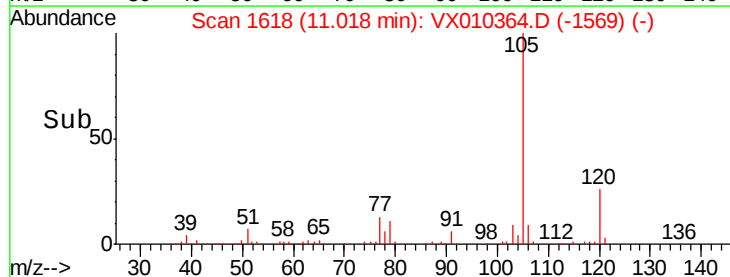
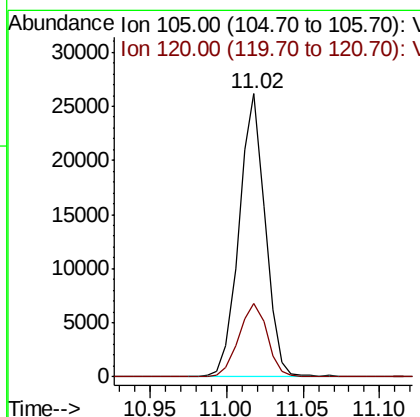
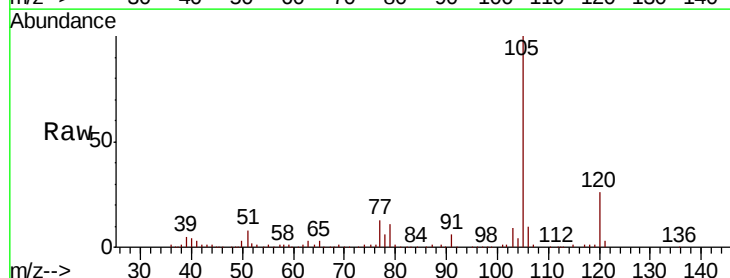
RT: 11.02 min Scan# 1618

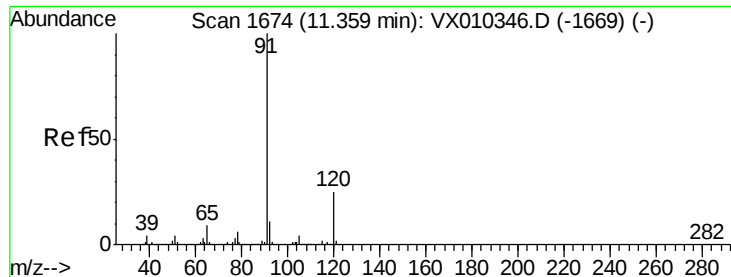
Delta R.T. 0.00 min

Lab File: VX010364.D

Acq: 20 Jun 2019 17:58

Tgt Ion:	105	Resp:	31039
Ion Ratio	Lower	Upper	
105	100		
120	28.1	14.1	42.4





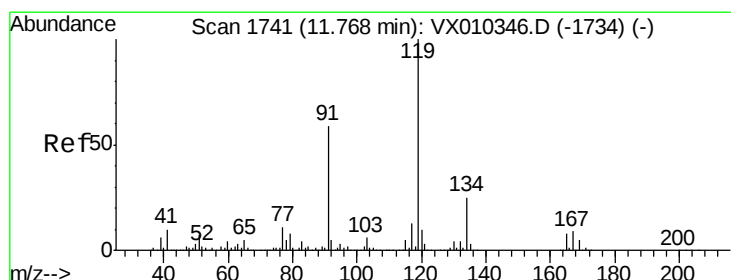
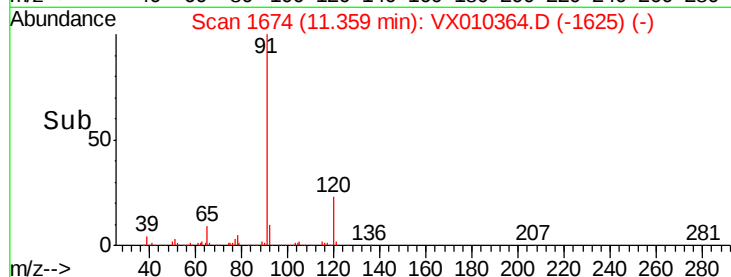
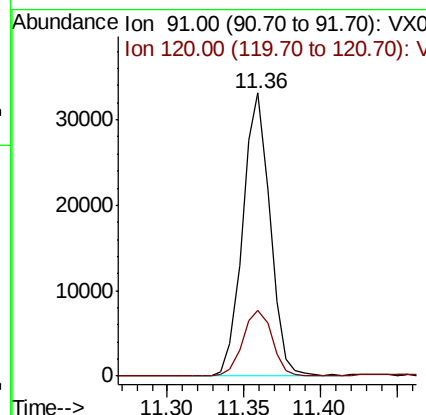
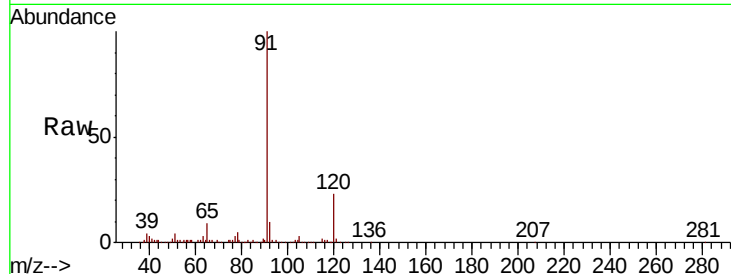
#78
n-propylbenzene
Concen: 2.885 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX010364.D
Acq: 20 Jun 2019 17:58

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-13-8.0-061919

Tot Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.4	37.4

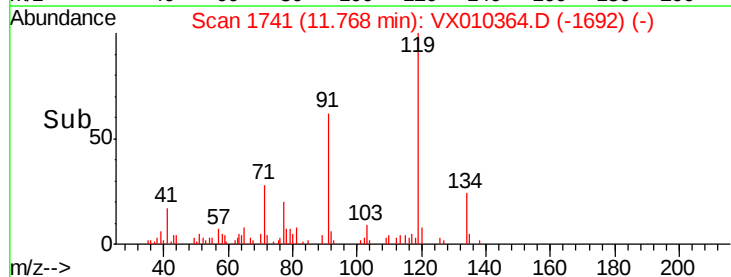
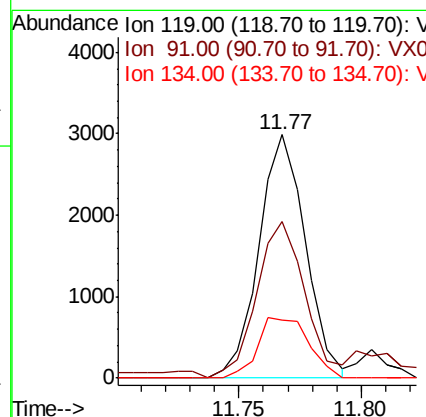
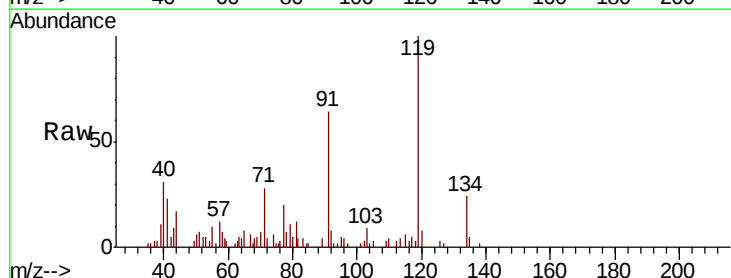
Manual Integrations
APPROVED

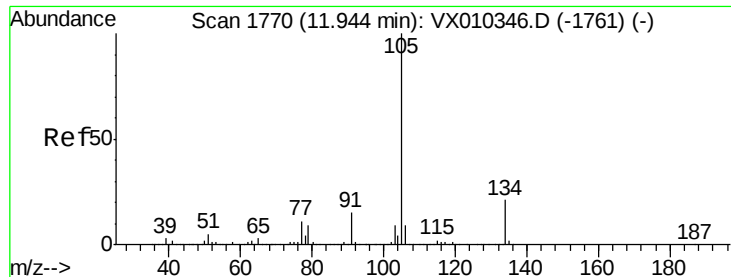
MMDadoda
6/21/2019 11:35:22 AM



#83
tert-Butylbenzene
Concen: 0.373 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010364.D
Acq: 20 Jun 2019 17:58

Tgt Ion	Ratio	Lower	Upper
119	100		
91	66.5	27.6	82.7
134	27.1	11.8	35.4





#85

sec-Butylbenzene

Concen: 1.423 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010364.D

Acq: 20 Jun 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-13-8.0-061919

Tot Ion:105 Resp: 17903

Ion Ratio Lower Upper

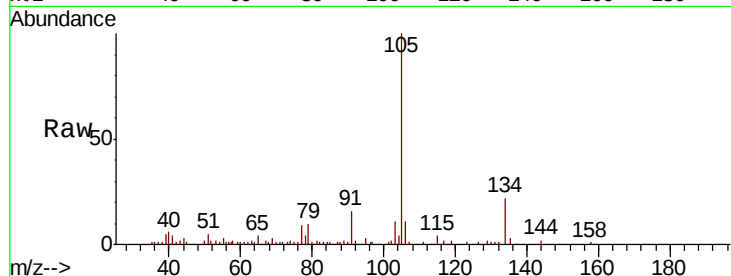
105 100

134 28.2 10.7 31.9

Manual Integrations
APPROVED

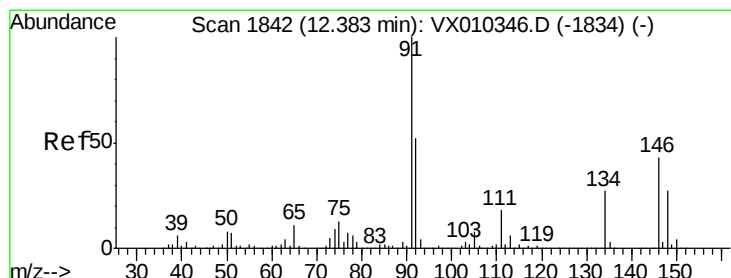
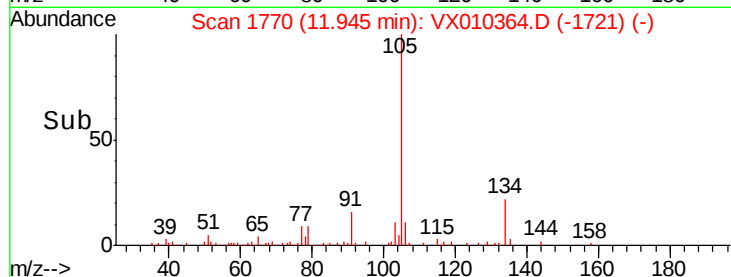
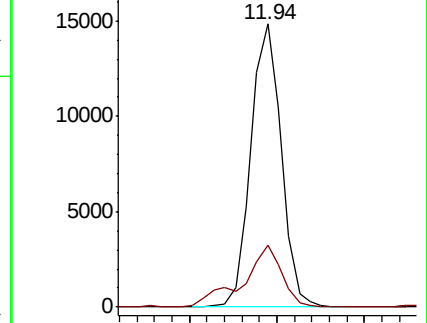
MMDadoda

6/21/2019 11:35:22 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 0.426 ug/l m

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX010364.D

Acq: 20 Jun 2019 17:58

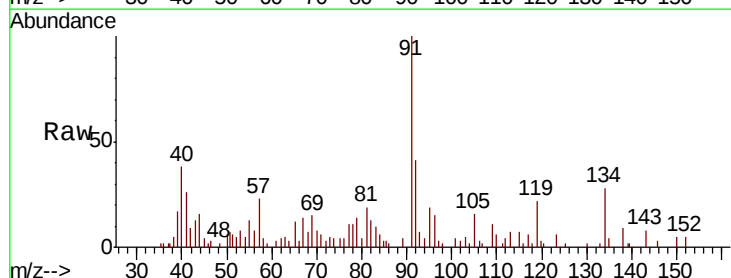
Tgt Ion: 91 Resp: 4216

Ion Ratio Lower Upper

91 100

92 45.8 26.2 78.5

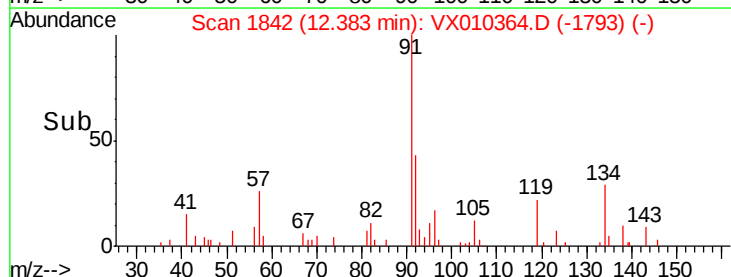
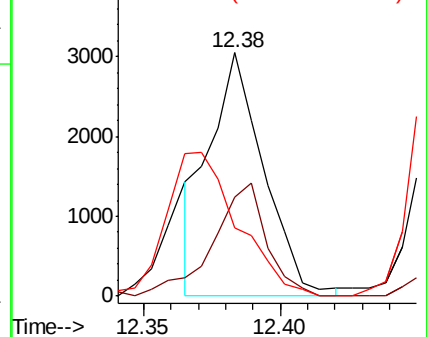
134 77.3 14.1 42.4#

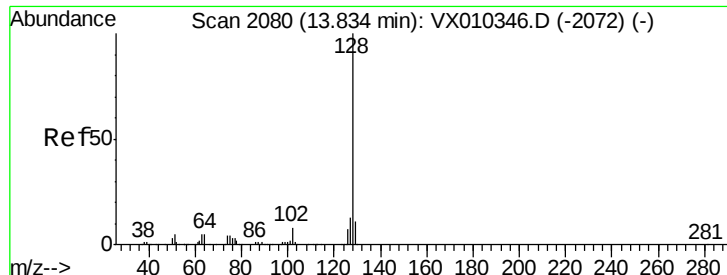


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#95
Naphthalene
Concen: 3.807 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010364.D
Acq: 20 Jun 2019 17:58

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-13-8.0-061919

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.2	15.4
129	12.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
6/21/2019 11:35:22 AM

