

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032218\
 Data File : VX000411.D
 Acq On : 22 Mar 2018 17:20
 Operator : JC/MD
 Sample : J2005-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1-031918

Manual Integrations
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Quant Time: Mar 23 07:18:24 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	87624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	152559	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	153551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	85939	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	62708	54.82	ug/l	0.00
Spiked Amount			Recovery	=	109.64%	
35) Dibromofluoromethane	5.52	113	49473	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
50) Toluene-d8	8.73	98	198008	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
62) 4-Bromofluorobenzene	11.15	95	75913	45.72	ug/l	0.00
Spiked Amount			Recovery	=	91.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	102702	261.04	ug/l	99
16) Acetone	2.45	43	10891	11.45	ug/l	91
19) Methyl tert-butyl Ether	3.21	73	240207	68.38	ug/l	100
22) Diisopropyl ether	3.89	45	4951	1.67	ug/l #	82
25) 2-Butanone	4.72	43	6355	5.94	ug/l	96
39) Methylcyclohexane	7.47	83	32816	18.88	ug/l #	84
40) Benzene	6.15	78	252021	60.73	ug/l	97
52) Toluene	8.79	92	64217	22.13	ug/l	98
67) Ethyl Benzene	10.26	91	1995641	344.51	ug/l	99
68) m/p-Xylenes	10.37	106	321418	141.01	ug/l	98
69) o-Xylene	10.71	106	79503	36.02	ug/l	99
73) Isopropylbenzene	11.02	105	133715	23.48	ug/l	99
74) N-amyl acetate	6.46	43	4903	Below Cal	#	59
78) n-propylbenzene	11.37	91	438646	64.61	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	2292368	456.68	ug/l	98
86) p-Isopropyltoluene	12.07	119	43788	8.25	ug/l	97
89) n-Butylbenzene	12.40	91	52720m	10.67	ug/l	
95) Naphthalene	13.84	128	191259	27.24	ug/l	98

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

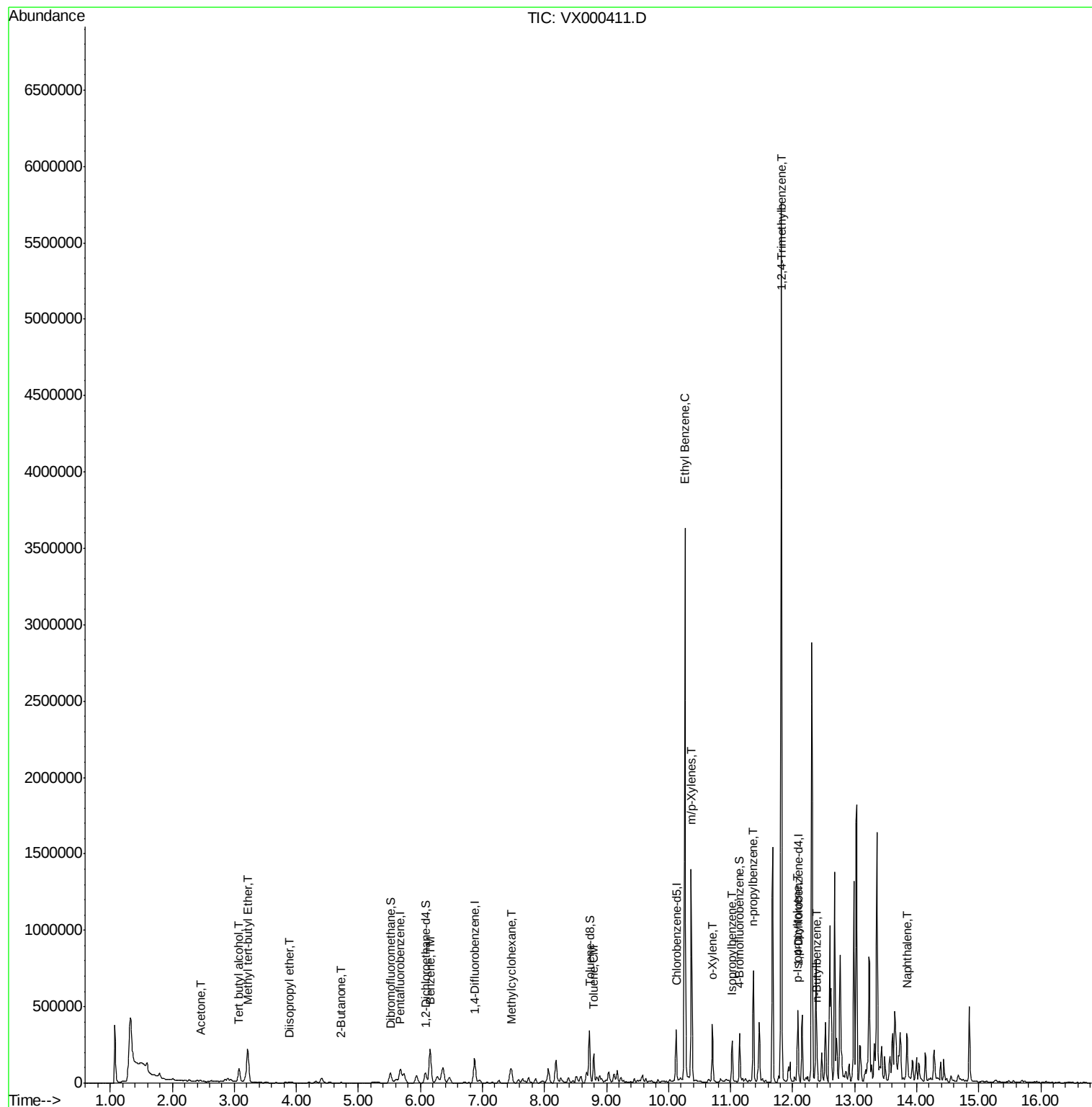
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032218\
Data File : VX000411.D
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

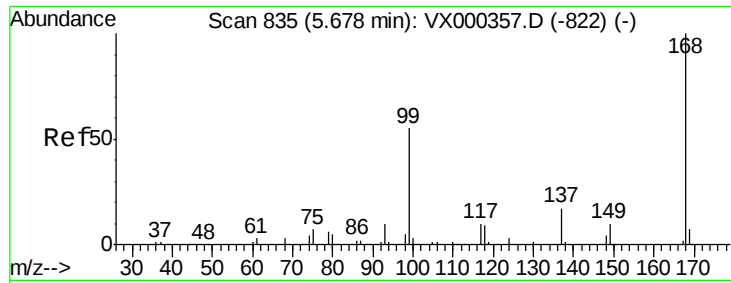
Instrument :
MSVOA_X
ClientSampleId :
MW-1-031918

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Quant Time: Mar 23 07:18:24 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
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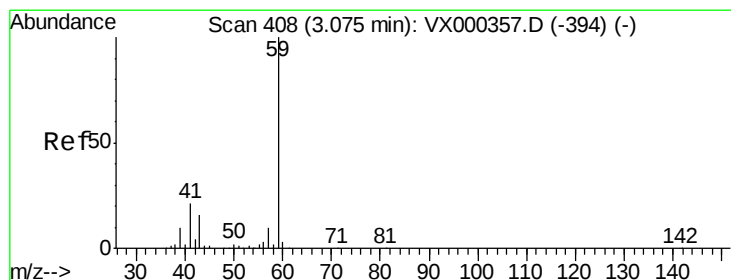
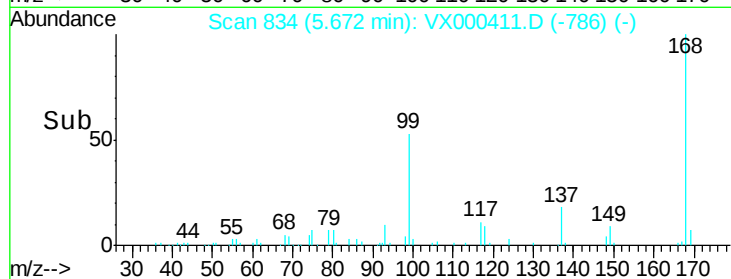
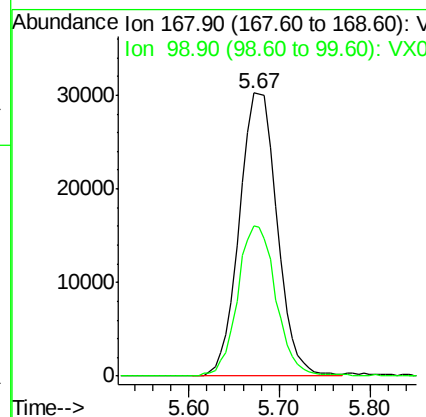
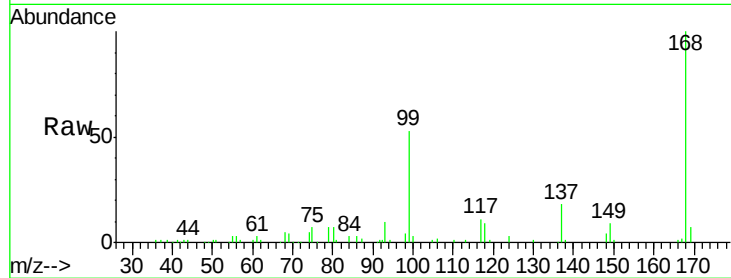
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.01 min
Lab File: VX000411.D
Acq: 22 Mar 2018 17:20

Instrument :
MSVOA_X
ClientSampleId :
MW-1-031918

Tot Ion	Ratio	Lower	Upper
168	100		
99	53.3	45.8	68.6

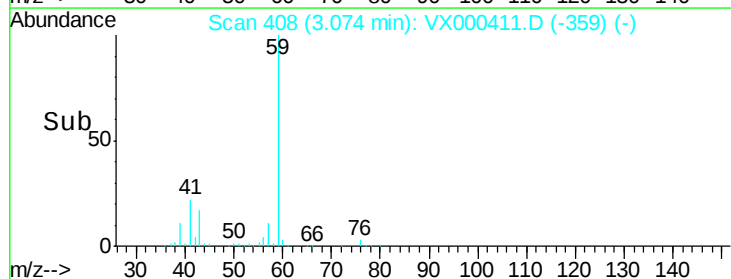
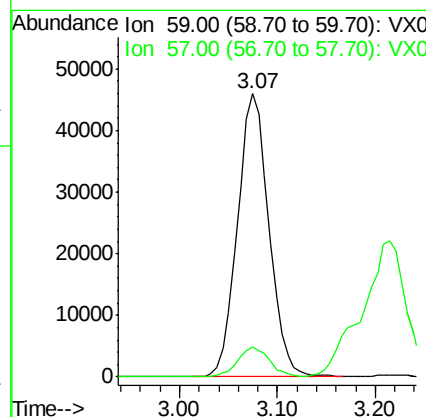
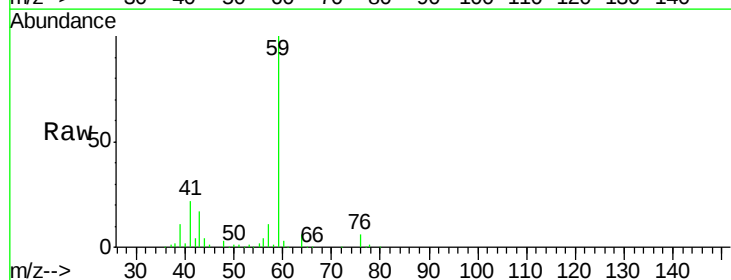
Manual Integrations
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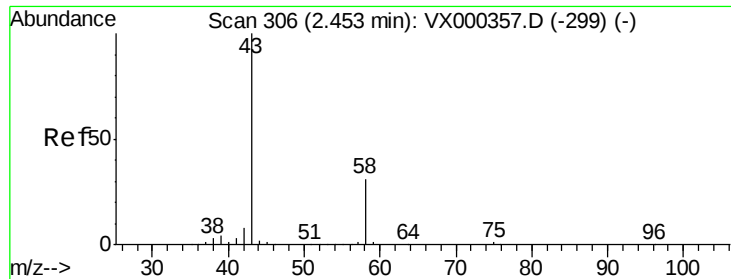
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#11
Tert butyl alcohol
Concen: 261.04 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.00 min
Lab File: VX000411.D
Acq: 22 Mar 2018 17:20

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.4	12.6





#16

Acetone

Concen: 11.45 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000411.D

Acq: 22 Mar 2018 17:20

Instrument :

MSVOA_X

ClientSampleId :

MW-1-031918

Tot Ion: 43 Resp: 10891

Ion Ratio Lower Upper

43 100

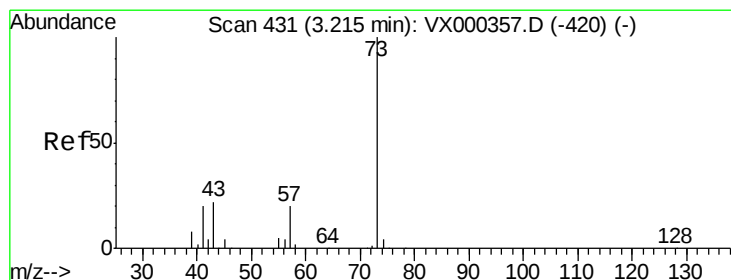
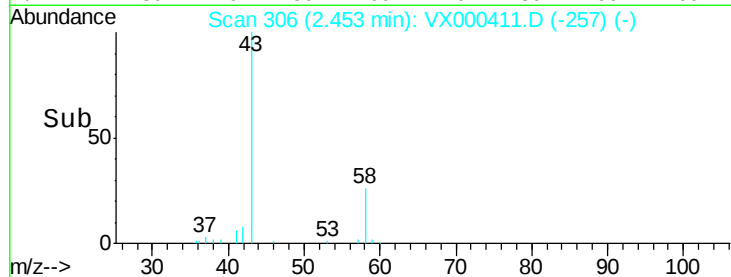
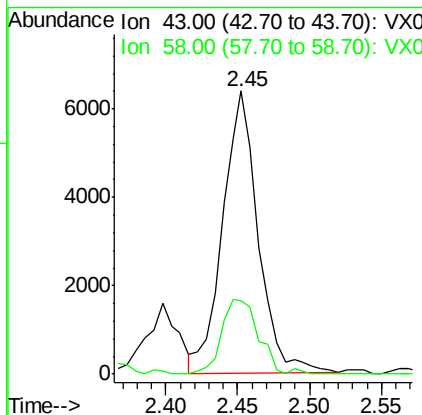
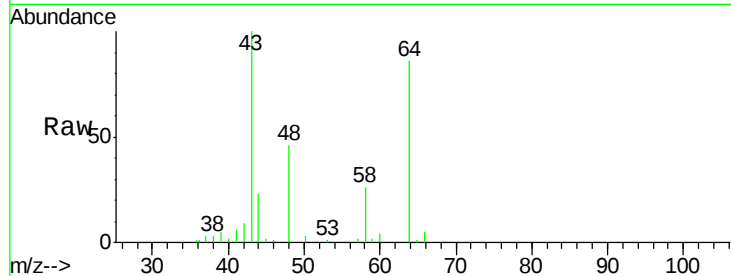
58 26.1 24.7 37.1

Manual Integrations

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#19

Methyl tert-butyl Ether

Concen: 68.38 ug/l

RT: 3.21 min Scan# 431

Delta R.T. -0.00 min

Lab File: VX000411.D

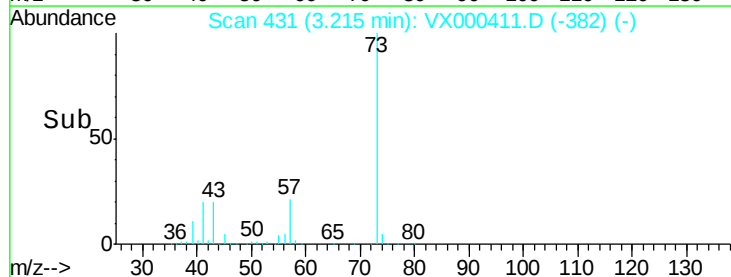
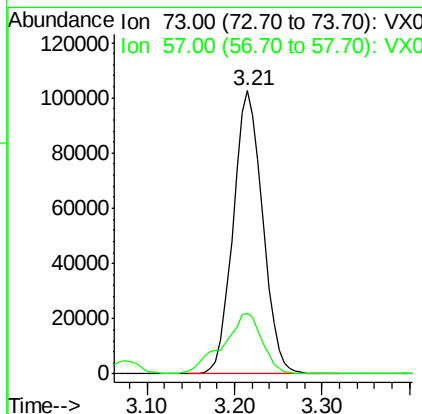
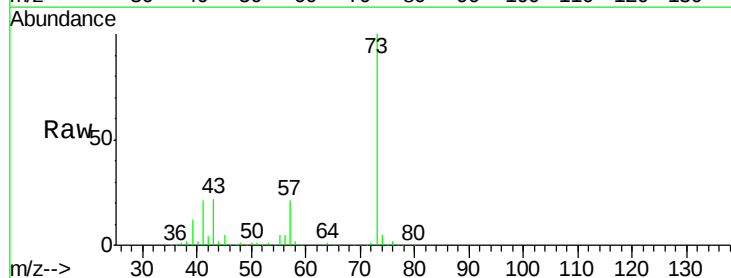
Acq: 22 Mar 2018 17:20

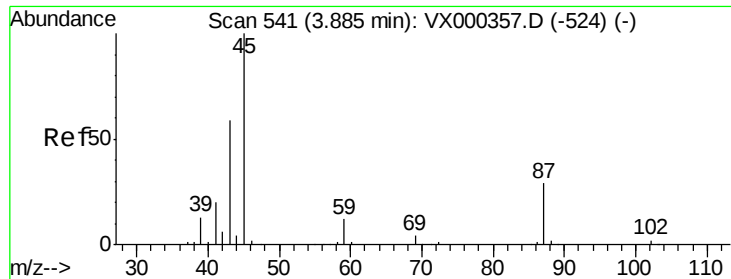
Tgt Ion: 73 Resp: 240207

Ion Ratio Lower Upper

73 100

57 21.5 17.2 25.8





#22

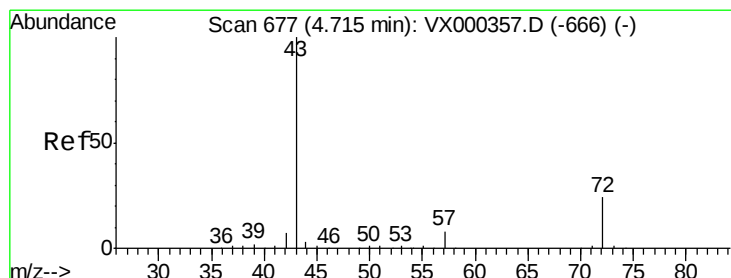
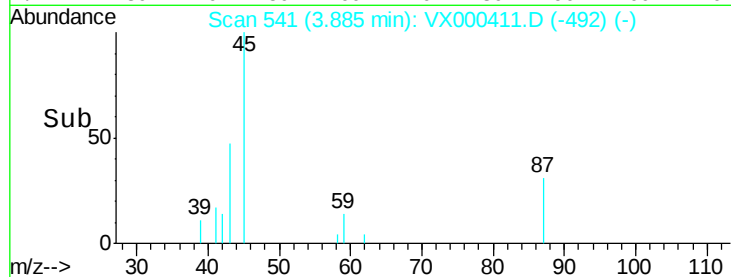
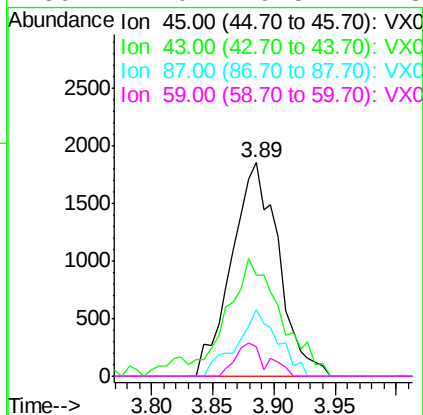
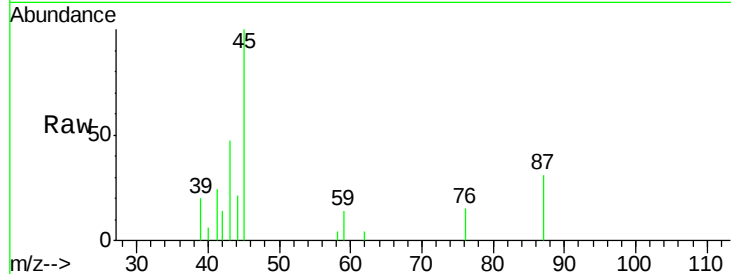
Diisopropyl ether
Concen: 1.67 ug/l
RT: 3.89 min Scan# 541
Delta R.T. -0.00 min
Lab File: VX000411.D
Acq: 22 Mar 2018 17:20

Instrument :
MSVOA_X
ClientSampleId :
MW-1-031918

Tot Ion:	45	Resp:	4951
Ion Ratio	Lower	Upper	
45	100		
43	47.4	53.9	80.9#
87	31.2	22.6	34.0
59	14.0	9.5	14.3

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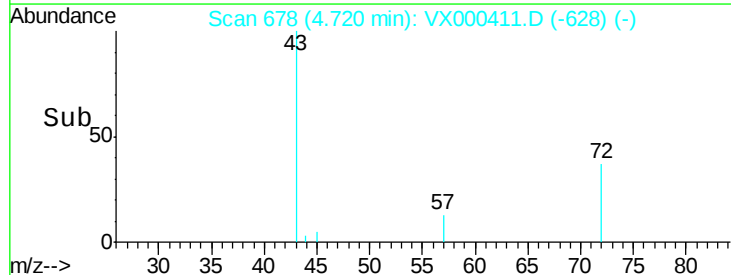
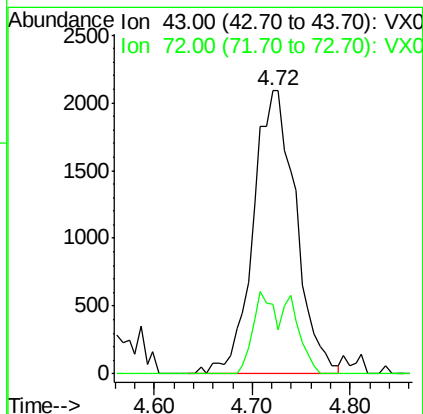
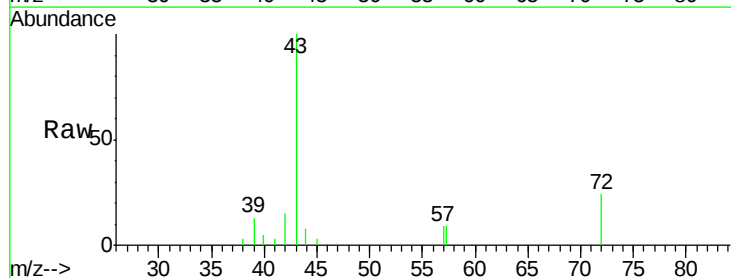
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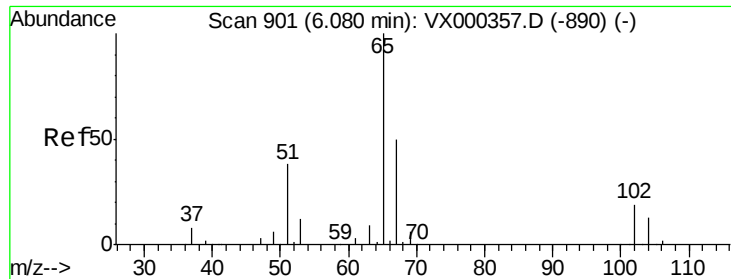


#25

2-Butanone
Concen: 5.94 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX000411.D
Acq: 22 Mar 2018 17:20

Tgt Ion:	43	Resp:	6355
Ion Ratio	Lower	Upper	
43	100		
72	24.4	21.0	31.6





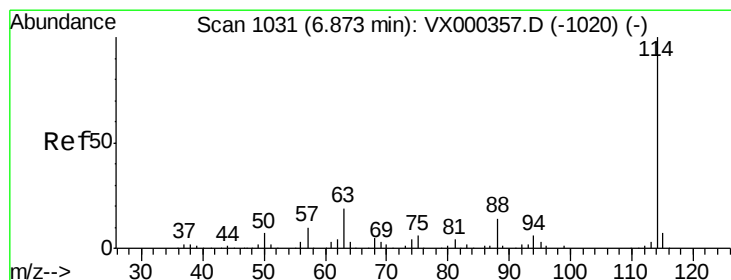
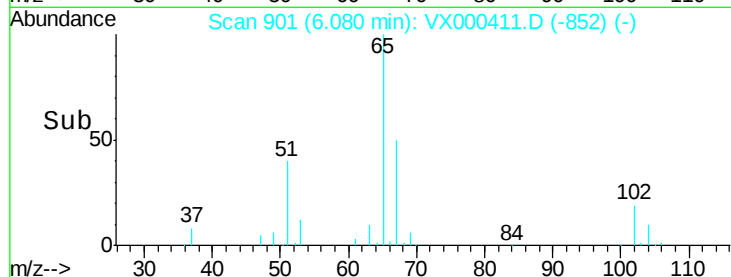
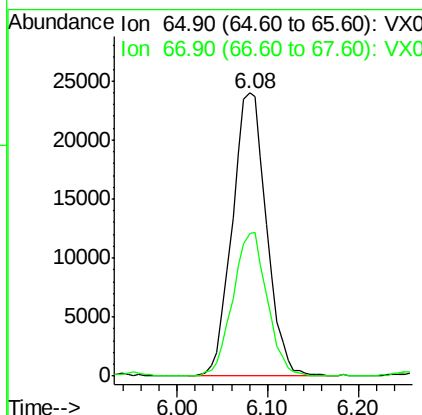
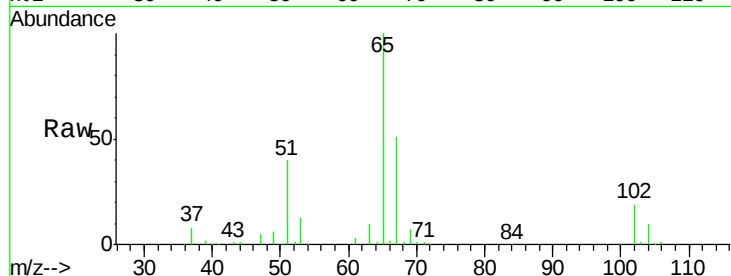
#33
 1,2-Dichloroethane-d4
 Concen: 54.82 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VX000411.D
 Acq: 22 Mar 2018 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1-031918

Tot Ion	Ratio	Resp	Lower	Upper
65	100	62708		
67	50.9	0.0	103.2	

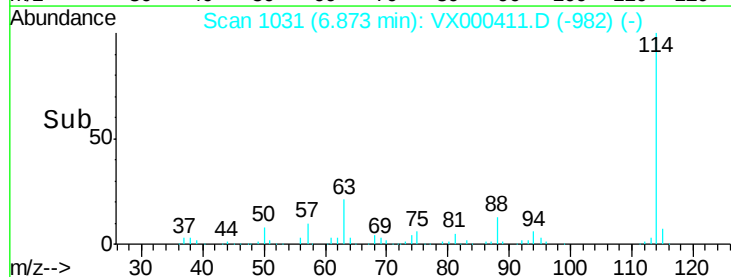
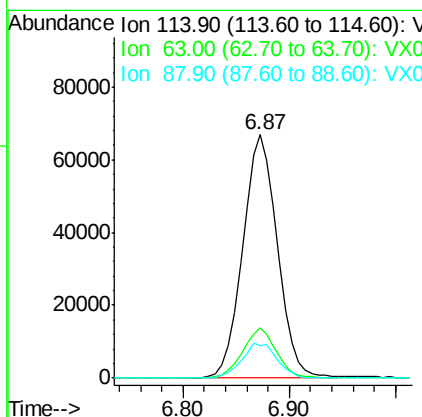
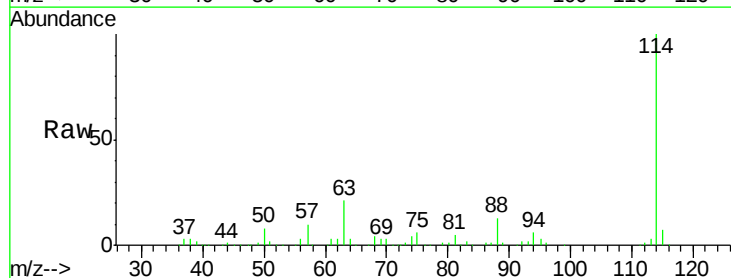
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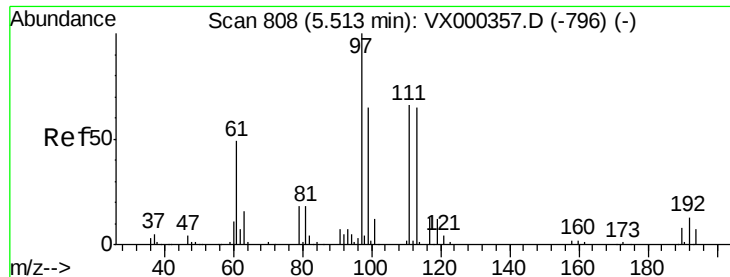
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000411.D
 Acq: 22 Mar 2018 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	152559		
63	20.9	0.0	38.4	
88	13.5	0.0	27.0	





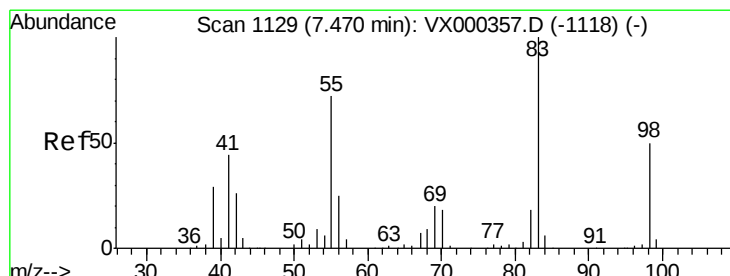
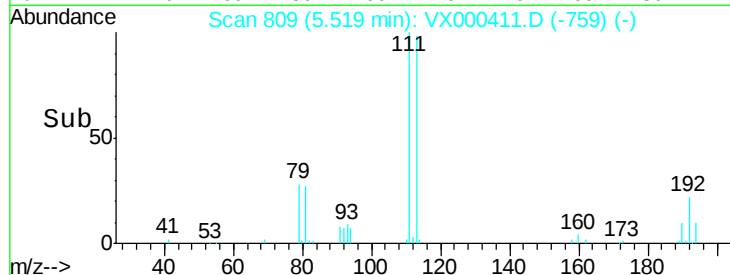
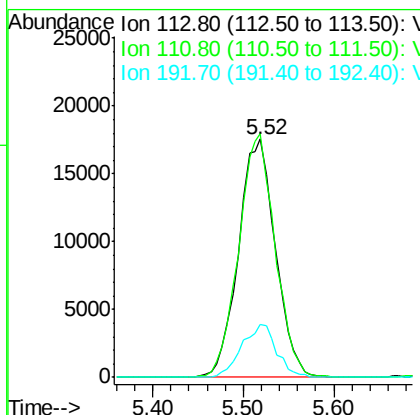
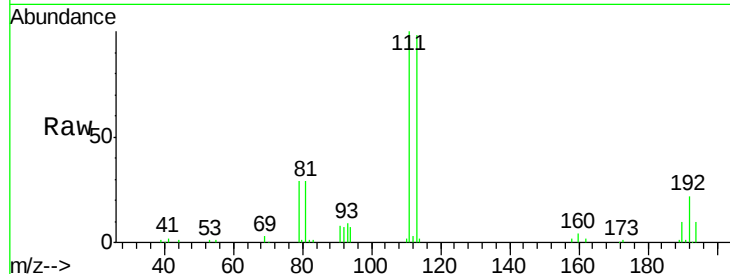
#35
Dibromofluoromethane
Concen: 51.47 ug/l
RT: 5.52 min Scan# 809
Delta R.T. 0.01 min
Lab File: VX000411.D
Acq: 22 Mar 2018 17:20

Instrument :
MSVOA_X
ClientSampleId :
MW-1-031918

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.8	82.4	123.6
192	21.0	15.8	23.6

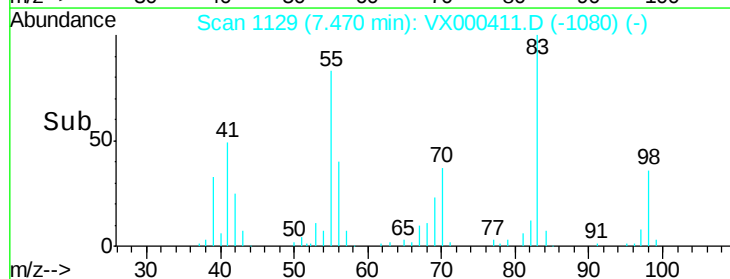
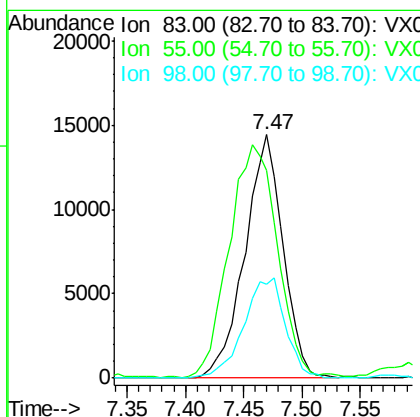
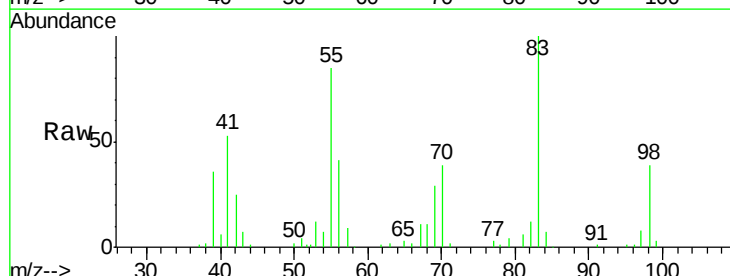
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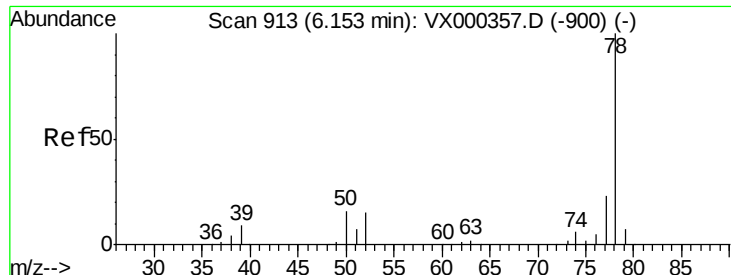
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#39
Methylcyclohexane
Concen: 18.88 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000411.D
Acq: 22 Mar 2018 17:20

Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.3	55.5	83.3#
98	38.6	38.2	57.4





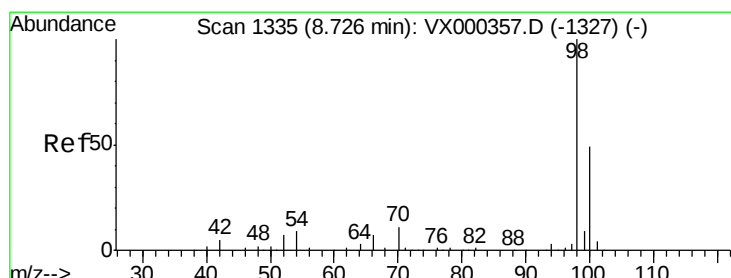
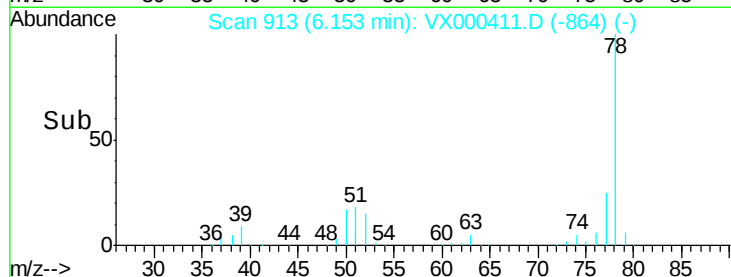
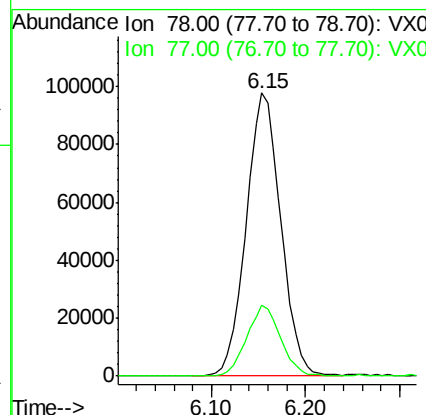
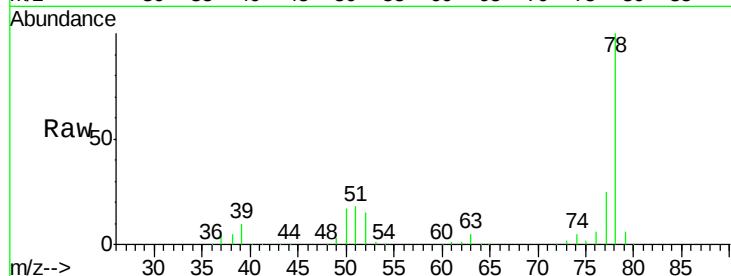
#40
Benzene
Concen: 60.73 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000411.D
Acq: 22 Mar 2018 17:20

Instrument :
MSVOA_X
ClientSampled :
MW-1-031918

Tot Ion: 78 Resp: 252021
Ion Ratio Lower Upper
78 100
77 25.0 18.7 28.1

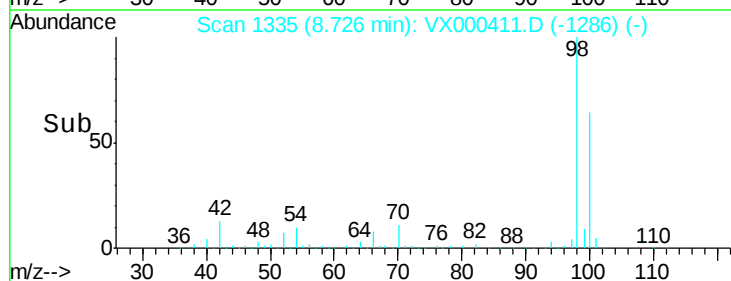
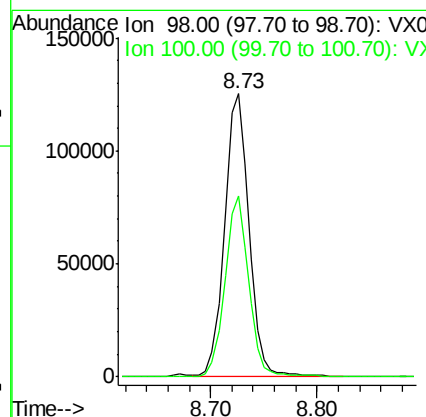
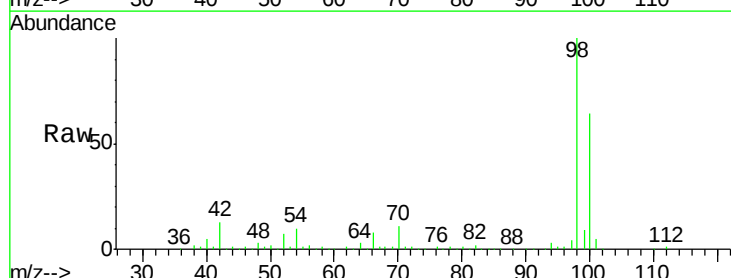
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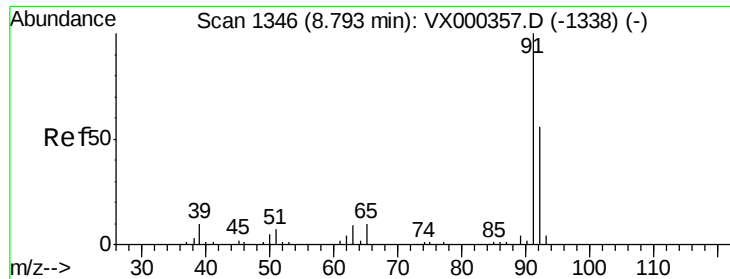
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#50
Toluene-d8
Concen: 49.74 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000411.D
Acq: 22 Mar 2018 17:20

Tgt Ion: 98 Resp: 198008
Ion Ratio Lower Upper
98 100
100 63.1 51.2 76.8





#52

Toluene

Concen: 22.13 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000411.D

Acq: 22 Mar 2018 17:20

Instrument :

MSVOA_X

ClientSampleId :

MW-1-031918

Tot Ion: 92 Resp: 64217

Ion Ratio Lower Upper

92 100

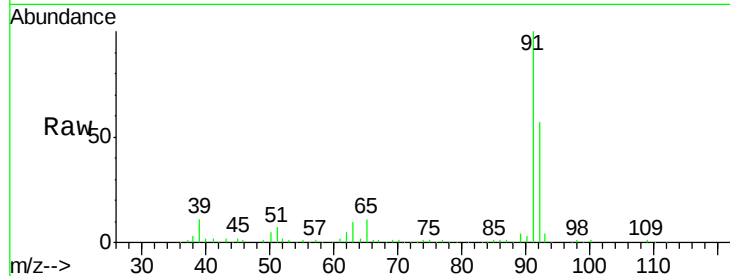
91 178.3 140.2 210.2

Manual Integrations

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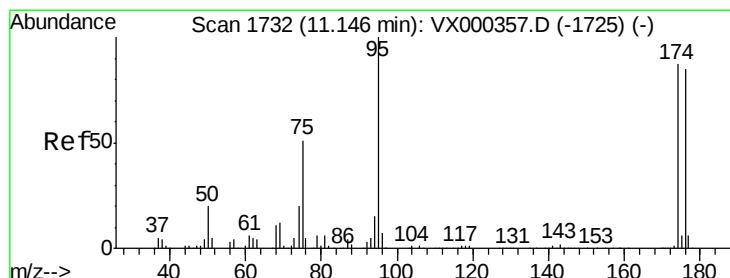
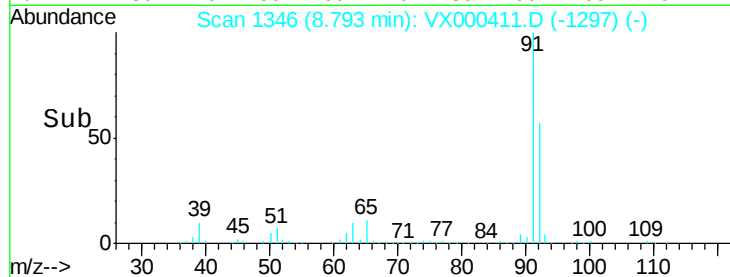
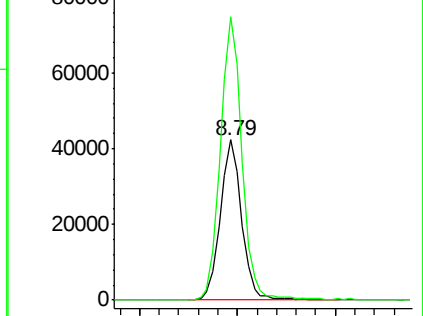
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 45.72 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000411.D

Acq: 22 Mar 2018 17:20

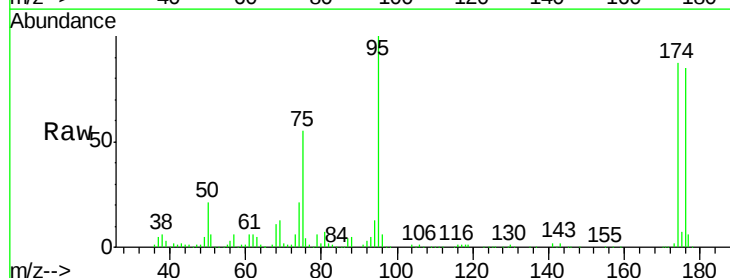
Tgt Ion: 95 Resp: 75913

Ion Ratio Lower Upper

95 100

174 84.7 0.0 173.6

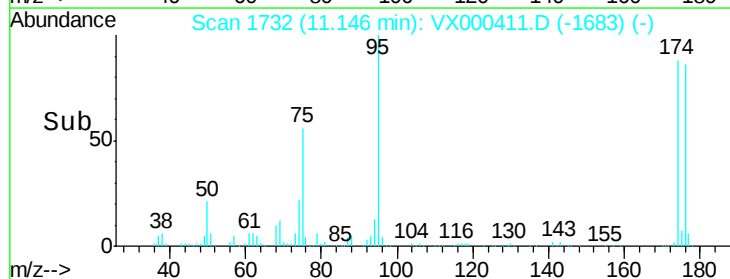
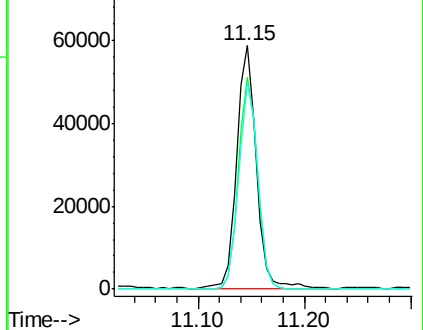
176 83.2 0.0 164.6

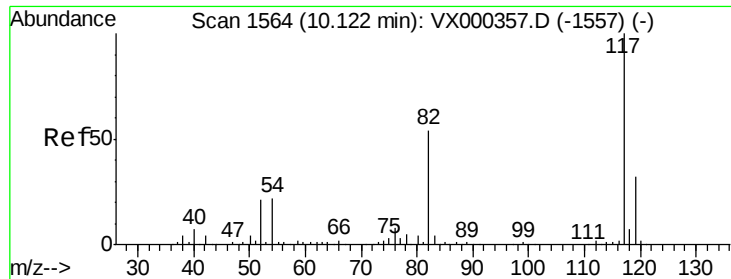


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





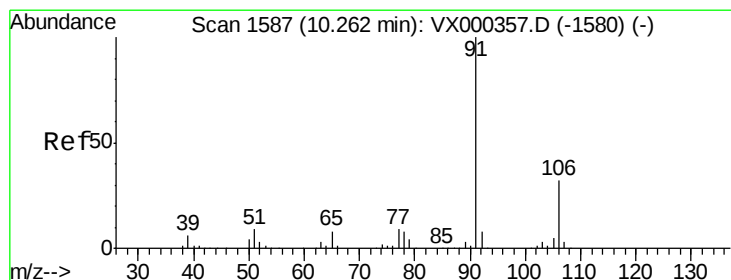
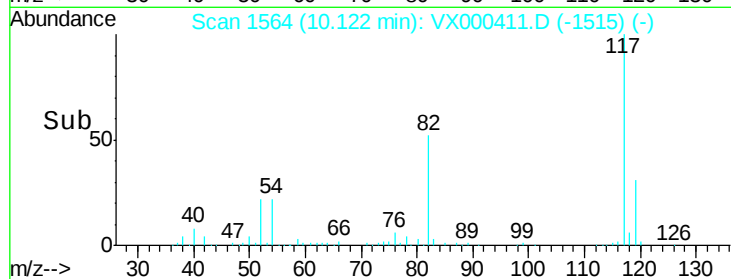
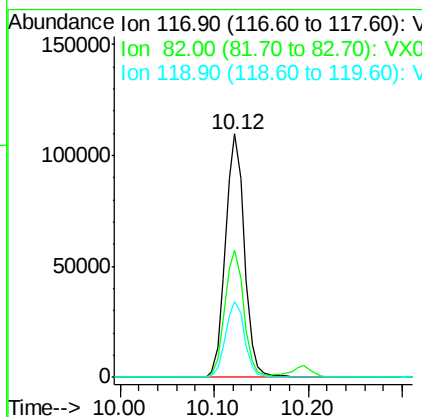
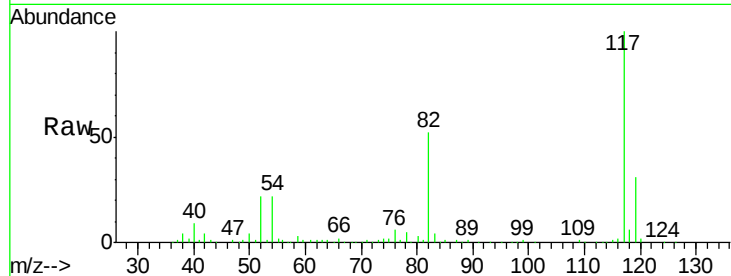
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000411.D
Acq: 22 Mar 2018 17:20

Instrument :
MSVOA_X
ClientSampleId :
MW-1-031918

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	43.8	65.8
119	31.1	24.9	37.3

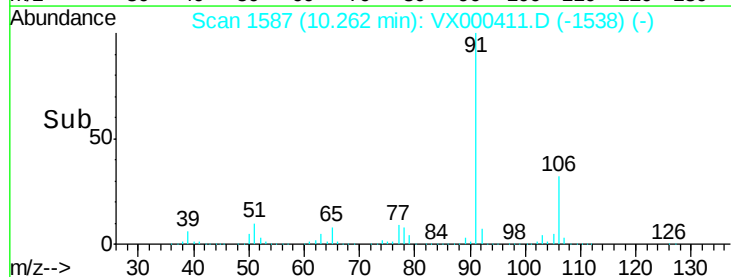
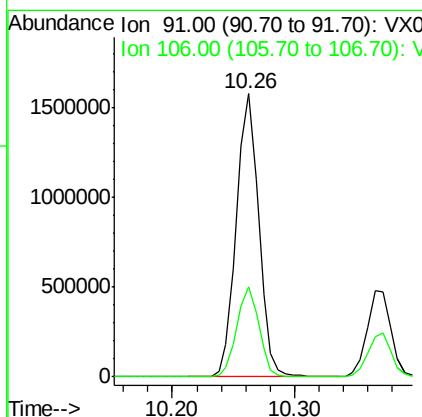
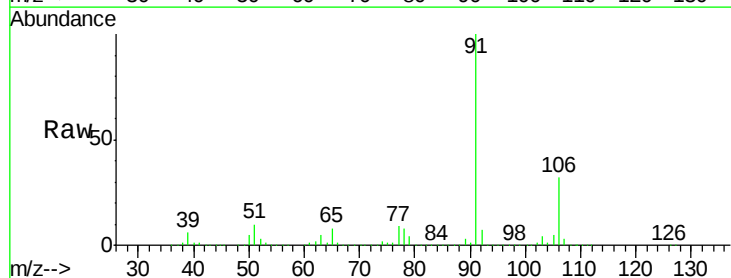
Manual Integrations
APPROVED

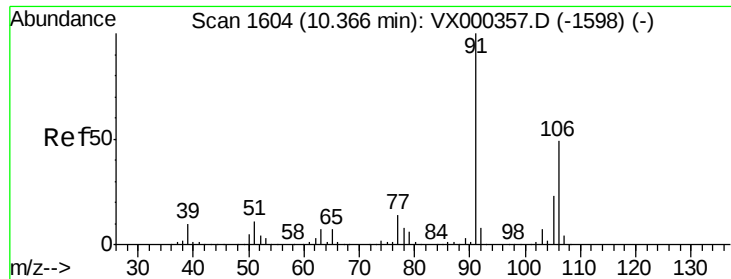
sam
3/23/2018 1:53:06 PM



#67
Ethyl Benzene
Concen: 344.51 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VX000411.D
Acq: 22 Mar 2018 17:20

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.0	25.0	37.6





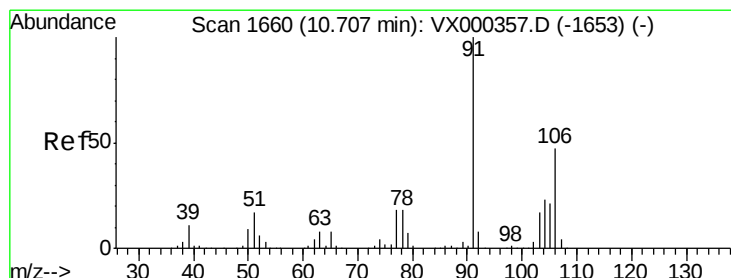
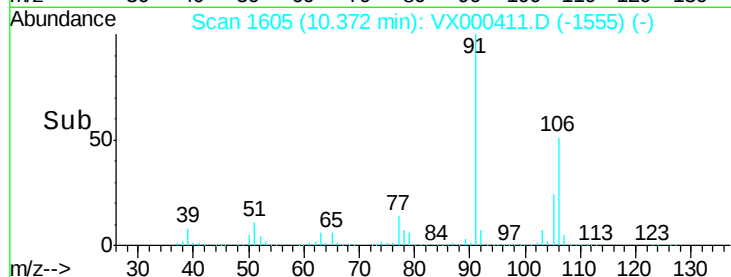
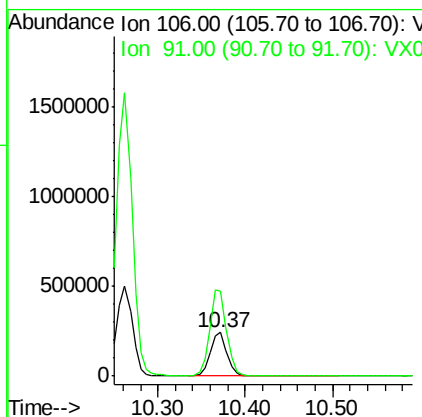
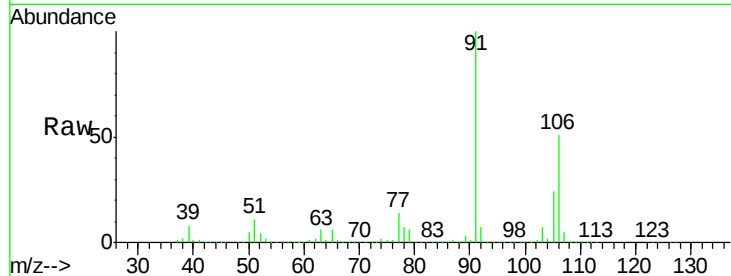
#68
m/p-Xvlenes
Concen: 141.01 ug/l
RT: 10.37 min Scan# 1605
Delta R.T. 0.01 min
Lab File: VX000411.D
Acq: 22 Mar 2018 17:20

Instrument :
MSVOA_X
ClientSampleId :
MW-1-031918

Tot Ion:106 Resp: 321418
Ion Ratio Lower Upper
106 100
91 201.5 163.4 245.2

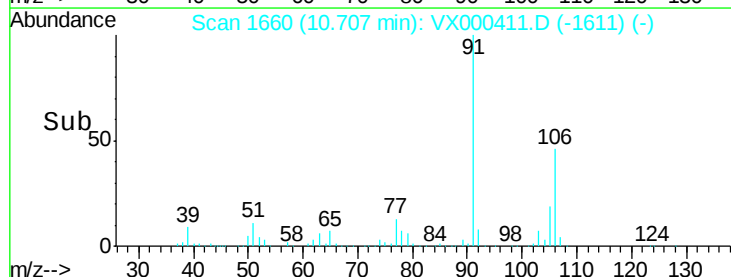
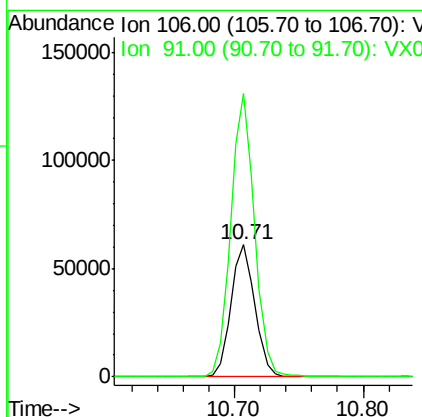
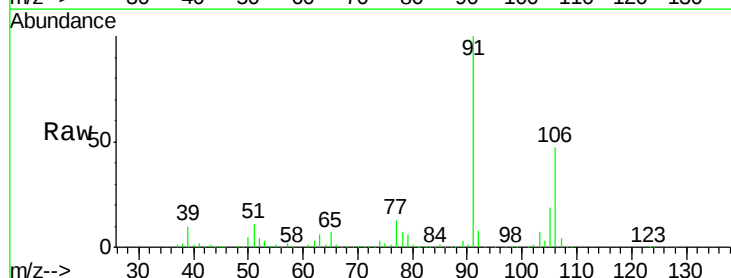
Manual Integrations
APPROVED

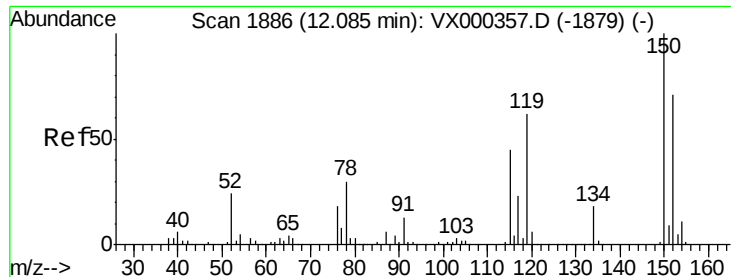
sam
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#69
o-Xylene
Concen: 36.02 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000411.D
Acq: 22 Mar 2018 17:20

Tgt Ion:106 Resp: 79503
Ion Ratio Lower Upper
106 100
91 211.6 106.5 319.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000411.D

Acq: 22 Mar 2018 17:20

Instrument :

MSVOA_X

ClientSampleId :

MW-1-031918

Tot Ion:152 Resp: 85939

Ion Ratio Lower Upper

152 100

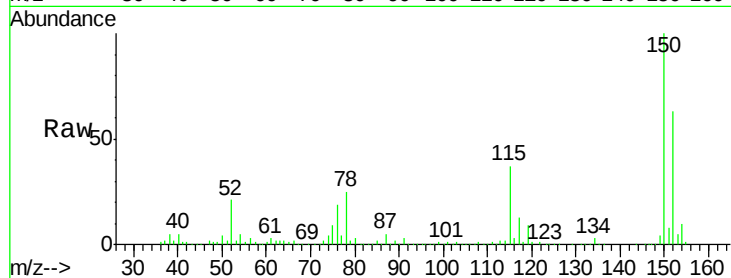
115 60.7 39.8 119.3

150 157.0 0.0 344.4

Manual Integrations
APPROVED

sam

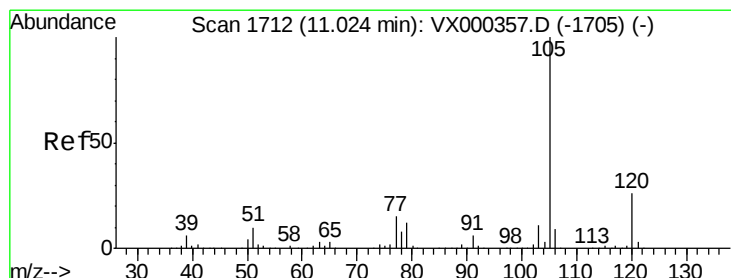
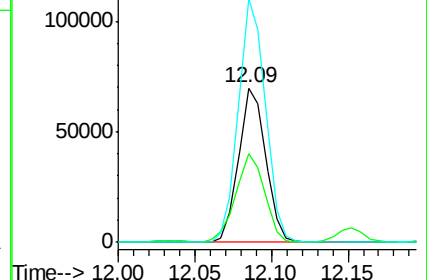
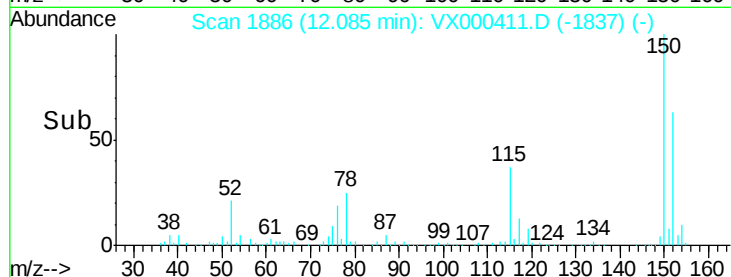
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 23.48 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000411.D

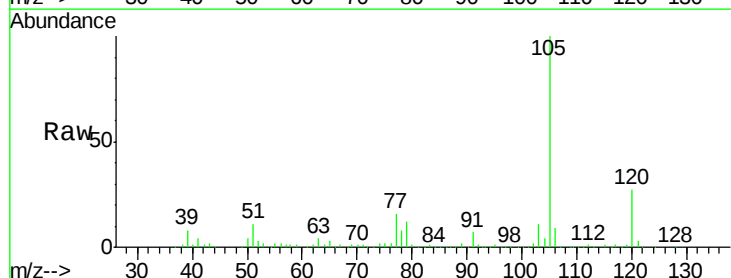
Acq: 22 Mar 2018 17:20

Tgt Ion:105 Resp: 133715

Ion Ratio Lower Upper

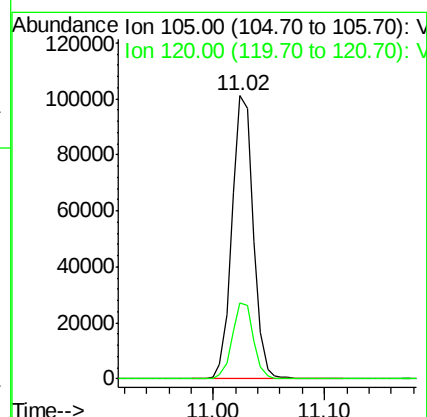
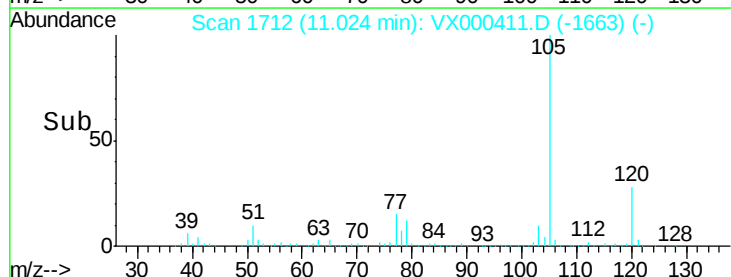
105 100

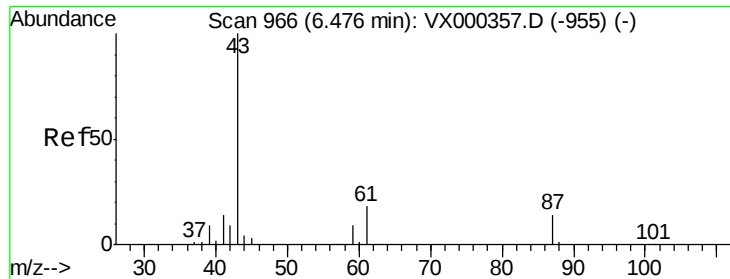
120 26.7 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: Below Cal

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX000411.D

Acq: 22 Mar 2018 17:20

Instrument :

MSVOA_X

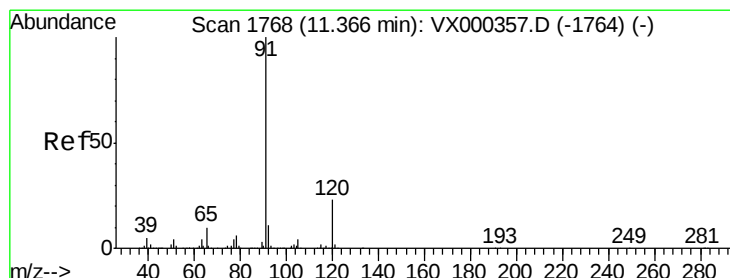
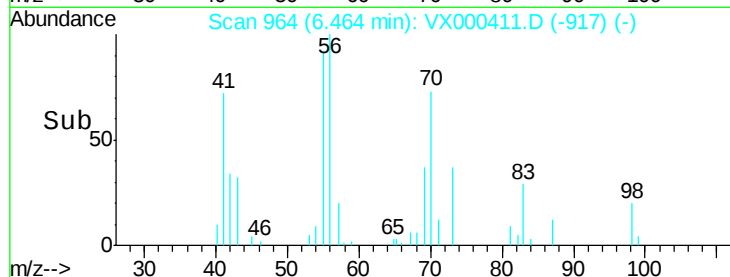
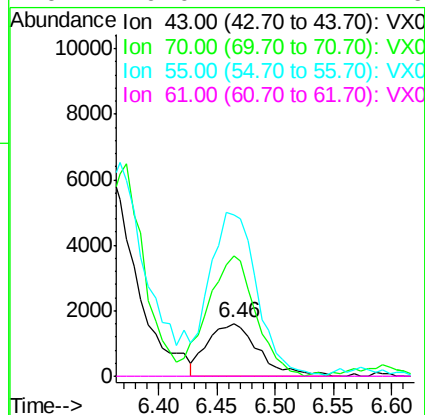
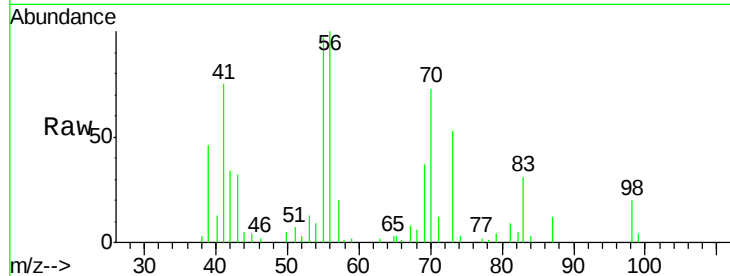
ClientSampleId :

MW-1-031918

Tot Ion:	43	Resp:	4903
Ion	Ratio	Lower	Upper
43	100		
70	215.8	0.0	0.0#
55	278.6	0.0	0.0#
61	0.0	14.4	21.6#

Manual Integrations
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#78

n-propylbenzene

Concen: 64.61 ug/l

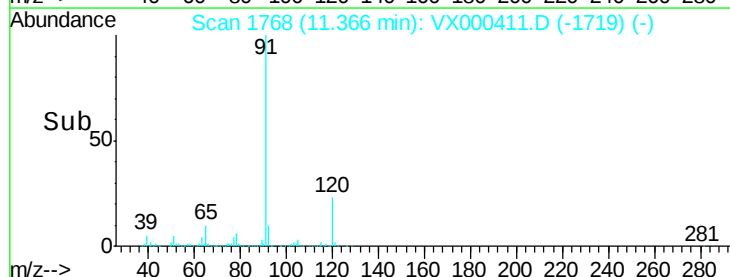
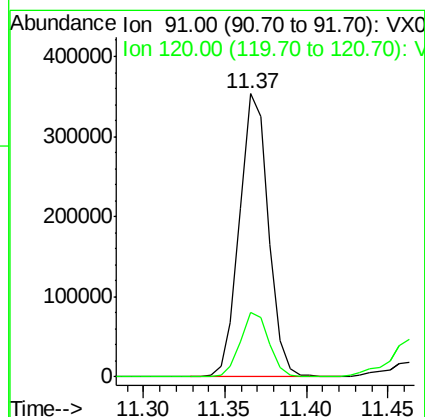
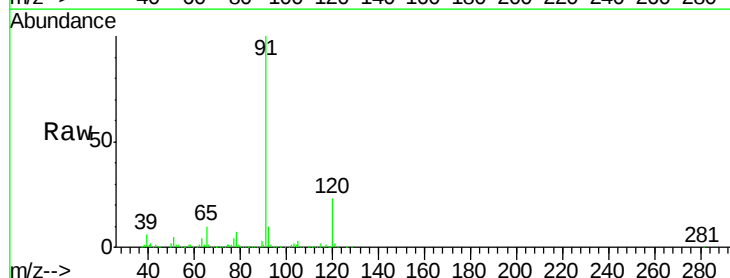
RT: 11.37 min Scan# 1768

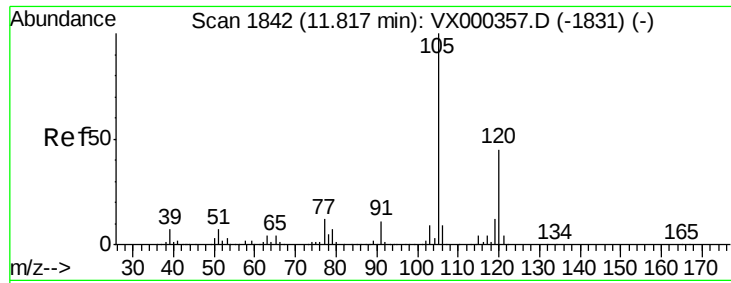
Delta R.T. -0.00 min

Lab File: VX000411.D

Acq: 22 Mar 2018 17:20

Tgt Ion:	91	Resp:	438646
Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.8	35.3





#84

1,2,4-Trimethylbenzene

Concen: 456.68 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX000411.D

Acq: 22 Mar 2018 17:20

Instrument :

MSVOA_X

ClientSampled :

MW-1-031918

Tot Ion:105 Resp: 2292368

Ion Ratio Lower Upper

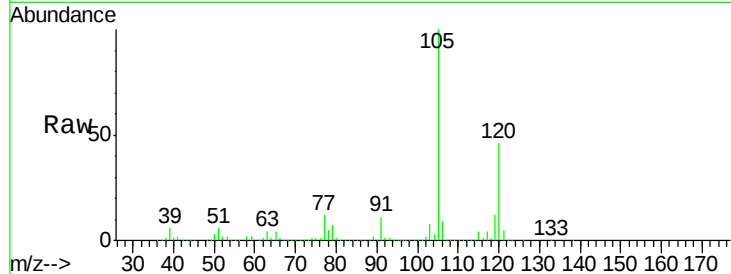
105 100

120 46.2 22.4 67.3

Manual Integrations
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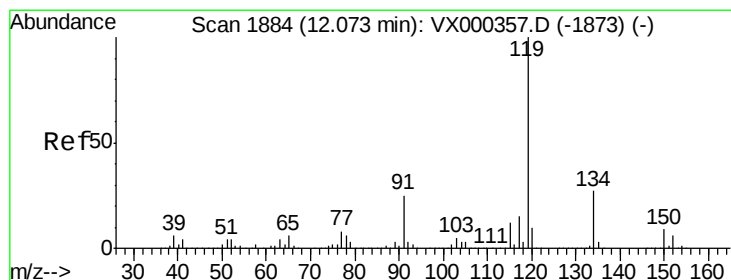
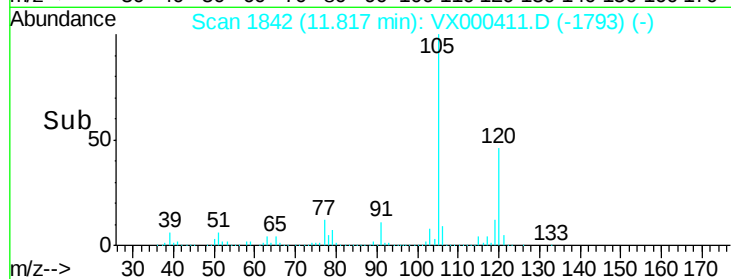
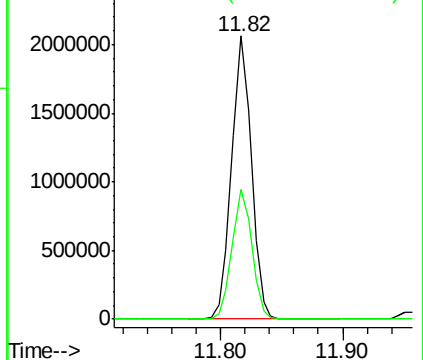
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#86

p-Isopropyltoluene

Concen: 8.25 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000411.D

Acq: 22 Mar 2018 17:20

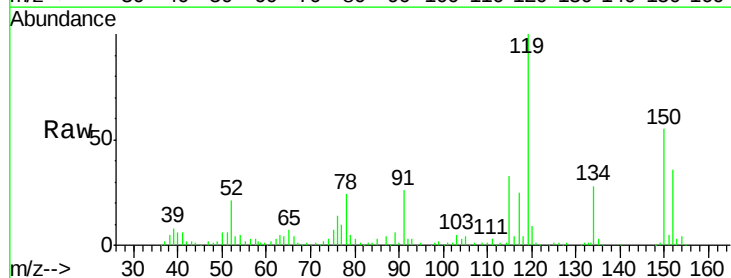
Tgt Ion:119 Resp: 43788

Ion Ratio Lower Upper

119 100

134 27.2 13.3 39.9

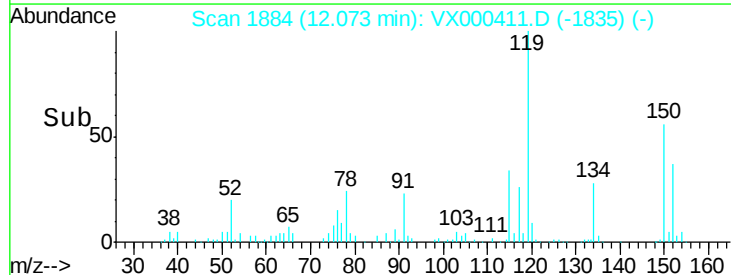
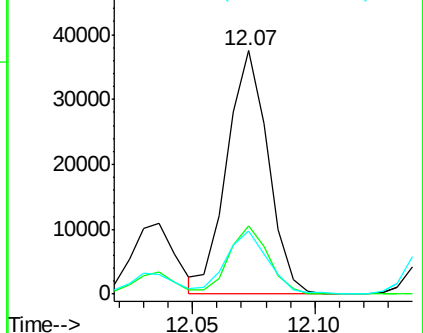
91 26.3 12.0 36.1

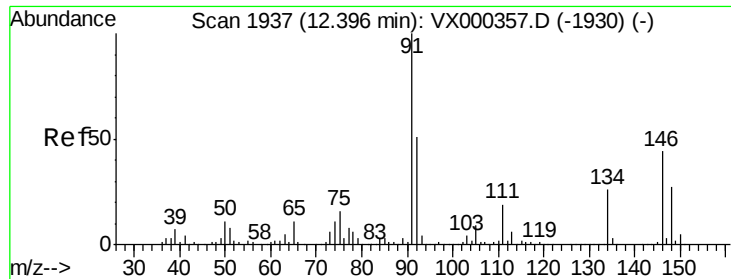


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





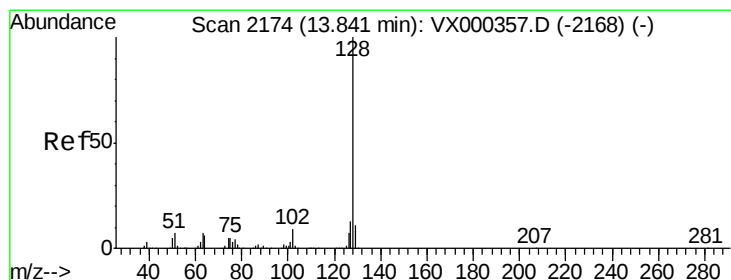
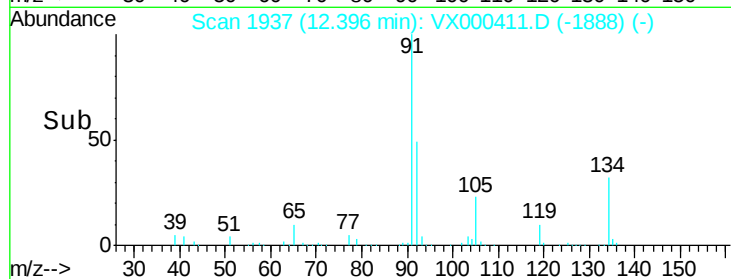
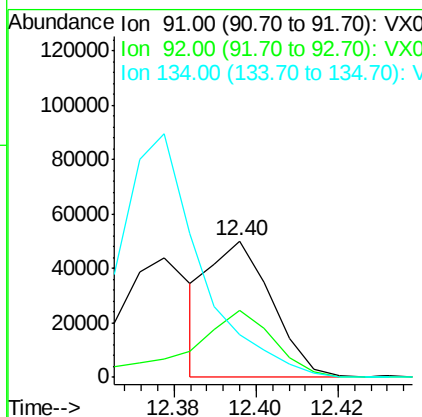
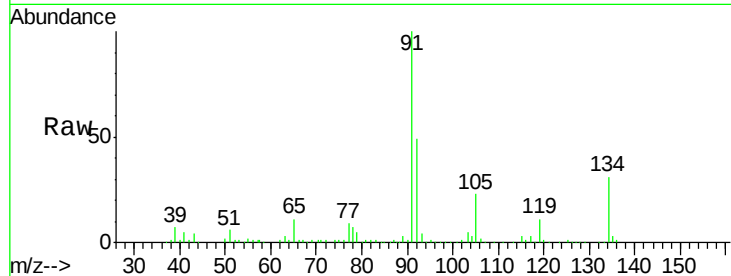
#89
n-Butylbenzene
Concen: 10.67 ug/l m
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000411.D
Acq: 22 Mar 2018 17:20

Instrument :
MSVOA_X
ClientSampleId :
MW-1-031918

Tot Ion	Ratio	Lower	Upper
91	100		
92	67.5	25.9	77.8
134	228.8	13.1	39.3#

Manual Integrations
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#95
Naphthalene
Concen: 27.24 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000411.D
Acq: 22 Mar 2018 17:20

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	12.4	8.9	13.3

