

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040419\
 Data File : VX008641.D
 Acq On : 04 Apr 2019 17:17
 Operator : JC/SP
 Sample : K2263-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Manual Integrations
 APPROVED

MMDadoda
 4/5/2019 11:12:10 AM

Quant Time: Apr 05 11:25:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	224779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	365875	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	308610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	132496	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.09	65	150610	45.94	ug/l	0.02
Spiked Amount	50.000		Recovery	=	91.88%	
35) Dibromofluoromethane	5.51	113	98503	42.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.22%	
50) Toluene-d8	8.73	98	466127	50.04	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.08%	
62) 4-Bromofluorobenzene	11.13	95	149086	45.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.28%	
Target Compounds						
					Qvalue	
17) Carbon Disulfide	2.59	76	47503	5.674	ug/l	97
25) 2-Butanone	4.68	43	32864	11.011	ug/l	98
31) Cyclohexane	5.59	56	3520206	621.441	ug/l	99
39) Methylcyclohexane	7.46	83	1294122	261.939	ug/l	98
40) Benzene	6.16	78	37770612m	3170.104	ug/l	
52) Toluene	8.80	92	30073274m	4281.323	ug/l	
61) 1,2-Dibromoethane	9.67	107	41115	14.007	ug/l	99
67) Ethyl Benzene	10.26	91	14422283	1130.618	ug/l #	66
68) m/p-Xylenes	10.38	106	14713025	3207.903	ug/l #	52
69) o-Xylene	10.71	106	6084956	1368.996	ug/l	82
73) Isopropylbenzene	11.02	105	433220	39.454	ug/l	100
78) n-propylbenzene	11.36	91	1149884	89.939	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1500989	162.849	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	4315371	462.384	ug/l	96
85) sec-Butylbenzene	11.94	105	49387m	4.689	ug/l	
86) p-Isopropyltoluene	12.07	119	23267m	2.461	ug/l	
95) Naphthalene	13.83	128	603445	55.345	ug/l	100

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

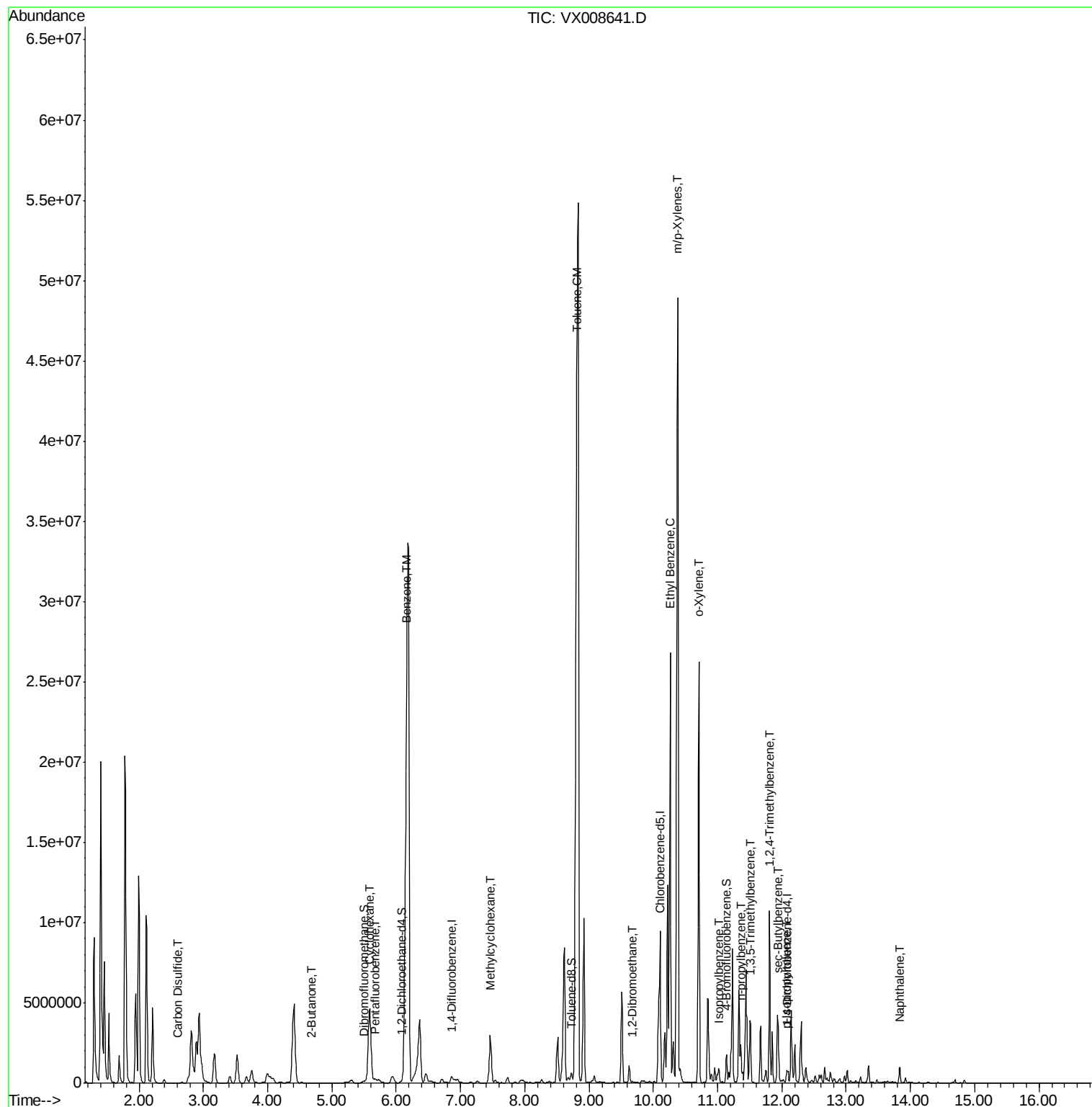
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040419\
Data File : VX008641.D
Acq On : 04 Apr 2019 17:17
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

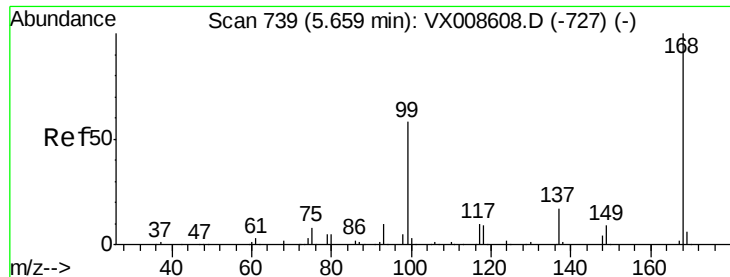
Instrument :
MSVOA_X
ClientSampleId :
MW-3

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Quant Time: Apr 05 11:25:15 2019
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Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
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: VX008641.D

Acq: 04 Apr 2019 17:17

Instrument :

MSVOA_X

ClientSampled :

MW-3

Tot Ion:168 Resp: 224779

Ion Ratio Lower Upper

168 100

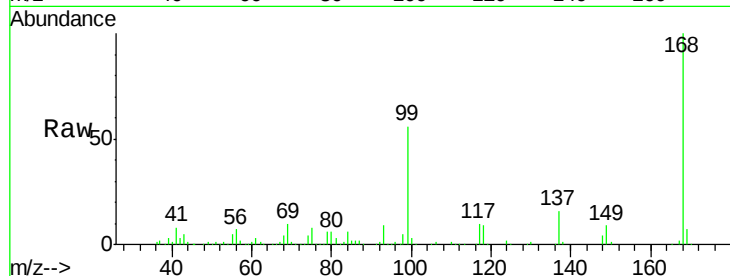
99 56.4 46.7 70.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

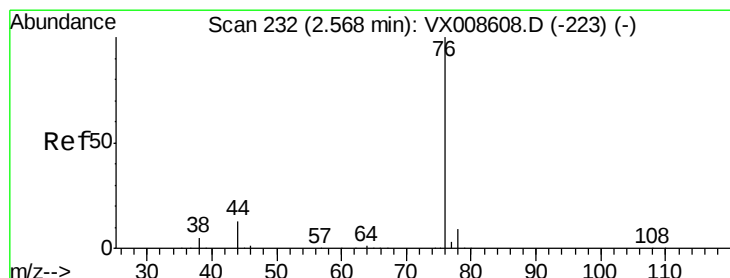
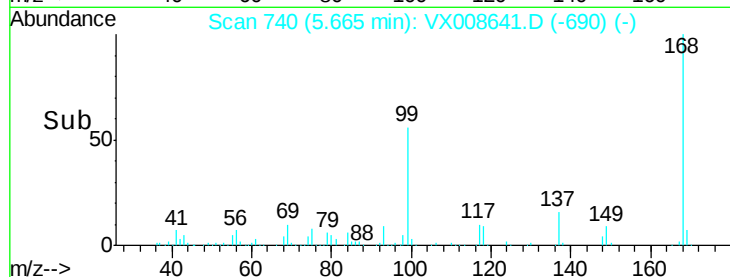
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#17

Carbon Disulfide

Concen: 5.674 ug/l

RT: 2.59 min Scan# 236

Delta R.T. 0.02 min

Lab File: VX008641.D

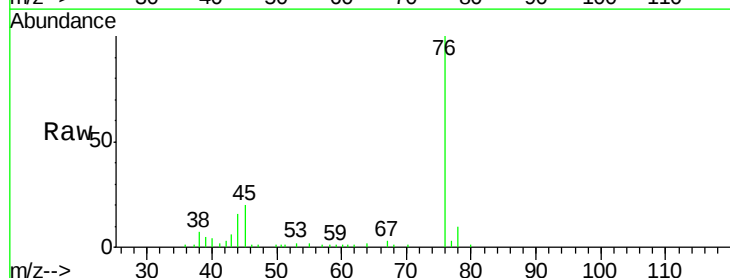
Acq: 04 Apr 2019 17:17

Tgt Ion: 76 Resp: 47503

Ion Ratio Lower Upper

76 100

78 10.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.59

8000

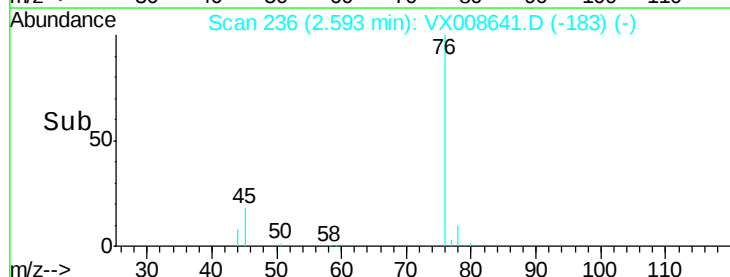
6000

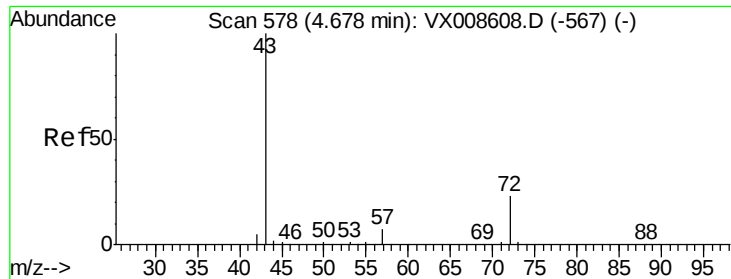
4000

2000

0

Time--> 2.50 2.60 2.70





#25

2-Butanone

Concen: 11.011 ug/l

RT: 4.68 min Scan# 578

Delta R.T. -0.00 min

Lab File: VX008641.D

Acq: 04 Apr 2019 17:17

Instrument :

MSVOA_X

ClientSampled :

MW-3

Tot Ion: 43 Resp: 32864

Ion Ratio Lower Upper

43 100

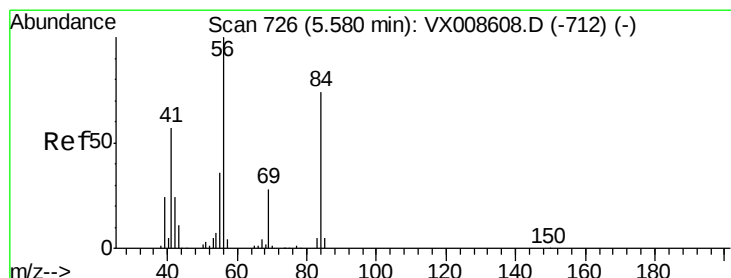
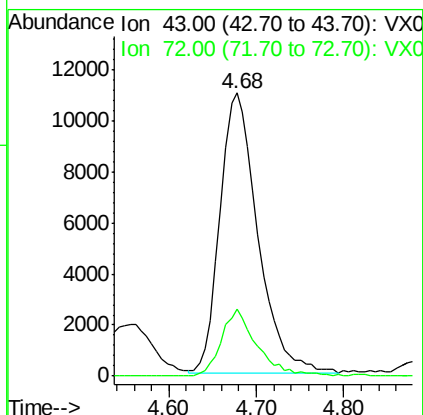
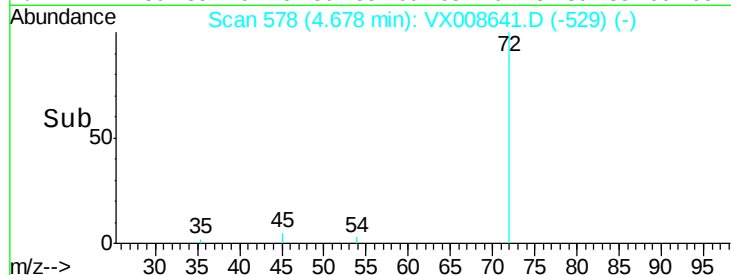
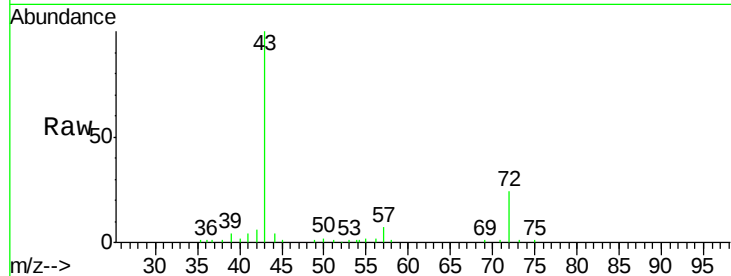
72 23.9 18.2 27.4

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#31

Cyclohexane

Concen: 621.441 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX008641.D

Acq: 04 Apr 2019 17:17

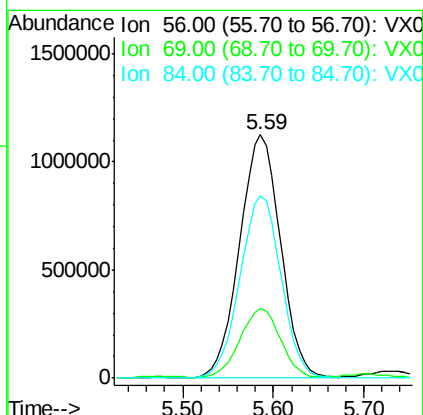
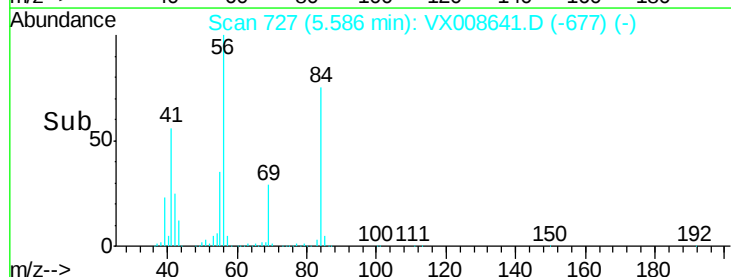
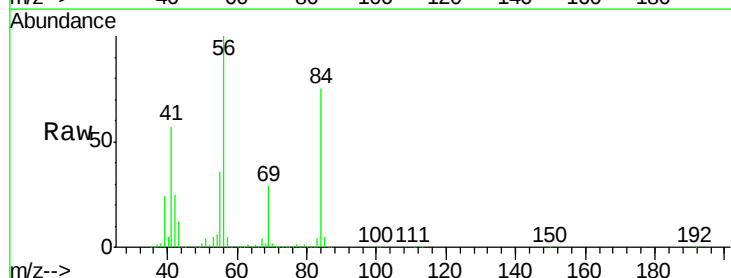
Tgt Ion: 56 Resp: 3520206

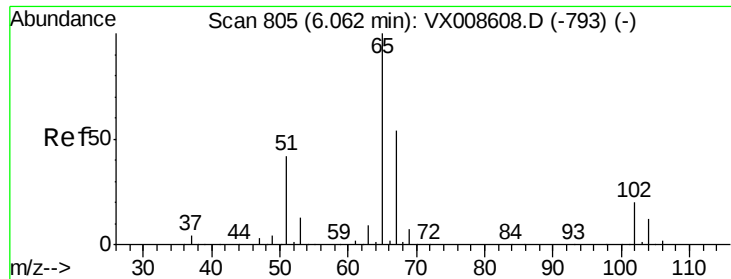
Ion Ratio Lower Upper

56 100

69 28.2 22.6 33.8

84 74.9 59.3 88.9





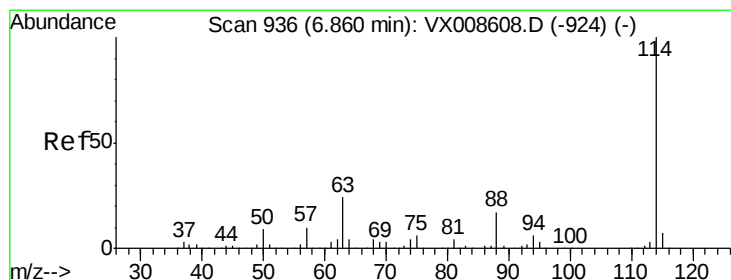
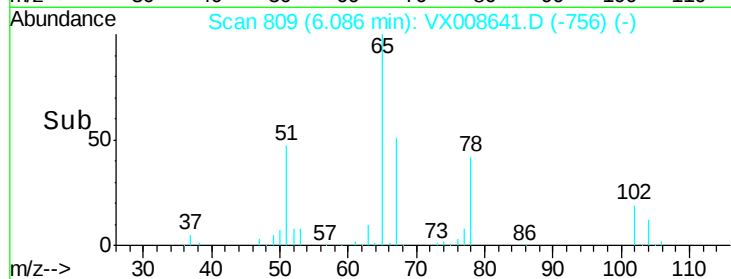
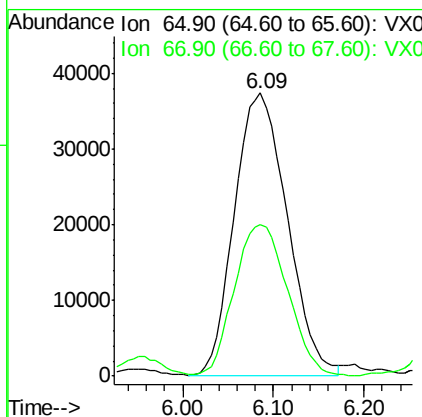
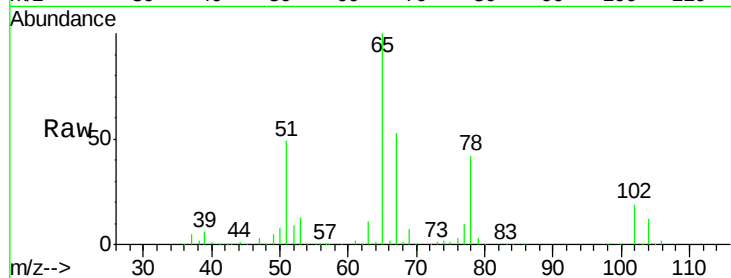
#33
 1,2-Dichloroethane-d4
 Concen: 45.938 ug/l
 RT: 6.09 min Scan# 809
 Delta R.T. 0.02 min
 Lab File: VX008641.D
 Acq: 04 Apr 2019 17:17

Instrument :
 MSVOA_X
 ClientSampled :
 MW-3

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	107.2

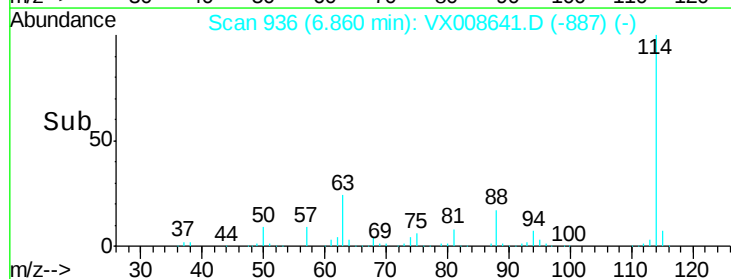
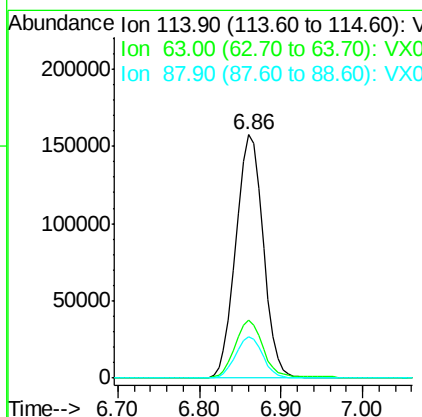
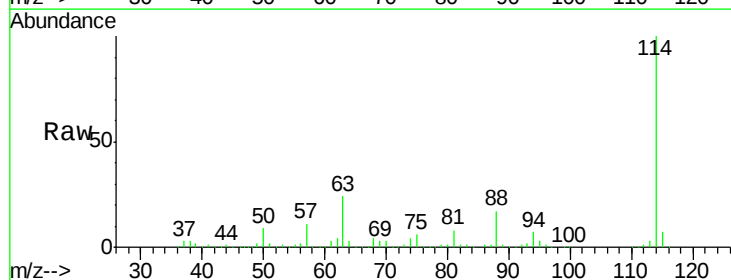
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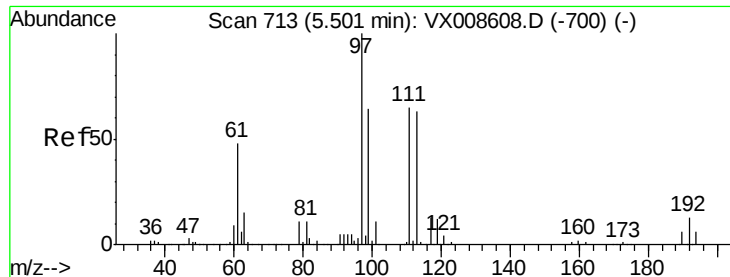
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008641.D
 Acq: 04 Apr 2019 17:17

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	47.2
88	17.0	0.0	34.0





#35

Dibromofluoromethane

Concen: 42.108 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX008641.D

Acq: 04 Apr 2019 17:17

Instrument :

MSVOA_X

ClientSampleId :

MW-3

Tot Ion:113 Resp: 98503

Ion Ratio Lower Upper

113 100

111 102.0 83.4 125.2

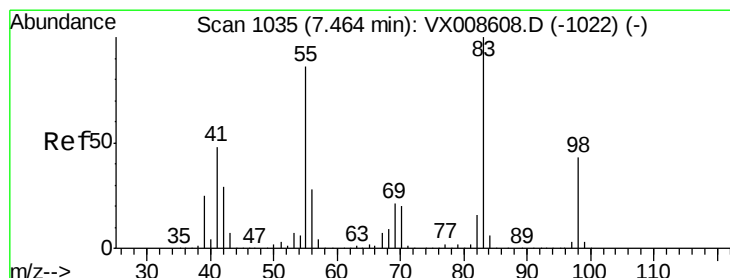
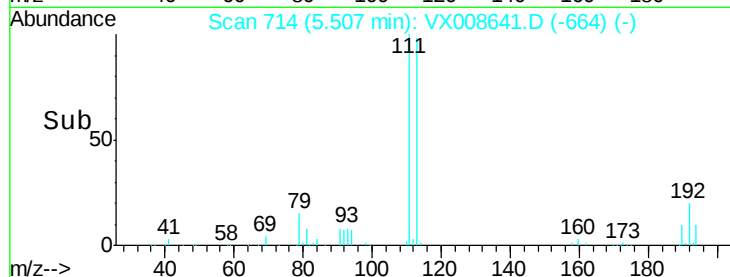
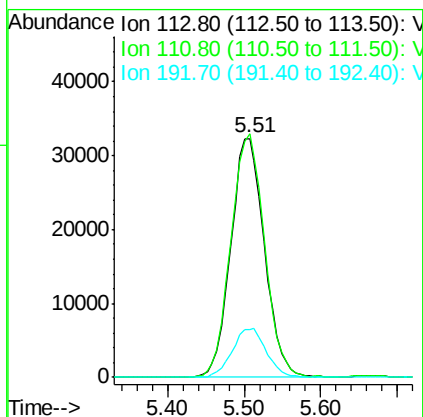
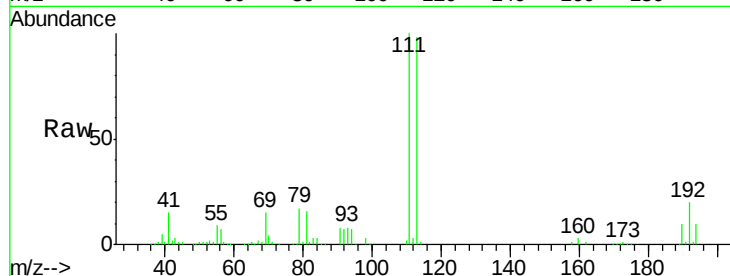
192 20.7 16.1 24.1

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#39

Methylcyclohexane

Concen: 261.939 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX008641.D

Acq: 04 Apr 2019 17:17

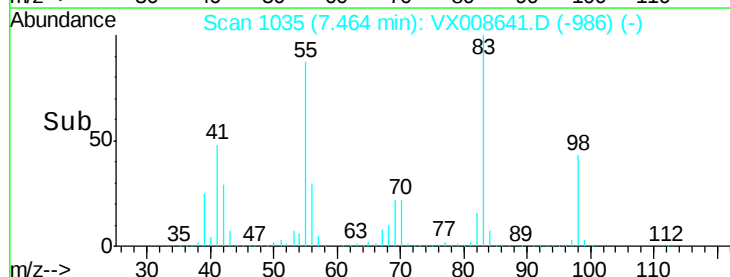
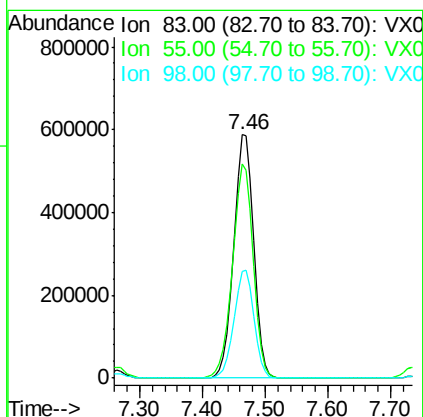
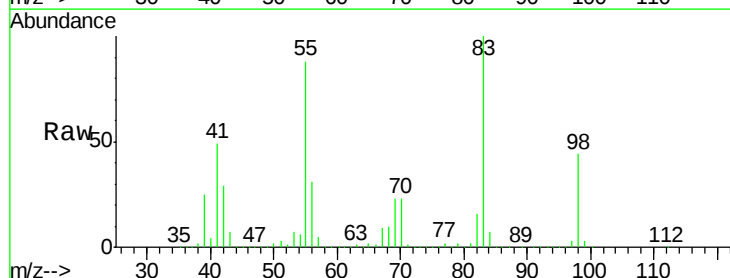
Tgt Ion: 83 Resp: 1294122

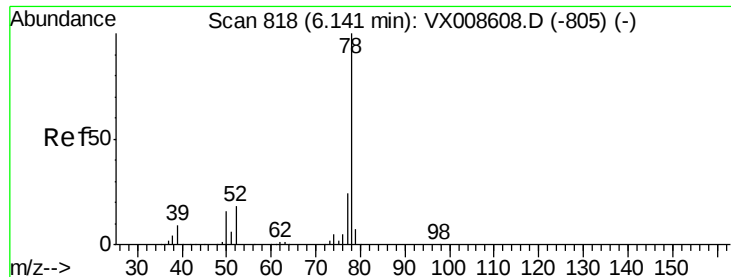
Ion Ratio Lower Upper

83 100

55 87.9 69.0 103.6

98 43.9 34.4 51.6





#40

Benzene

Concen: 3170.104 ug/l m

RT: 6.16 min Scan# 821

Delta R.T. 0.02 min

Lab File: VX008641.D

Acq: 04 Apr 2019 17:17

Instrument :

MSVOA_X

ClientSampleId :

MW-3

Tot Ion: 78 Resp: 37770612

Ion Ratio Lower Upper

78 100

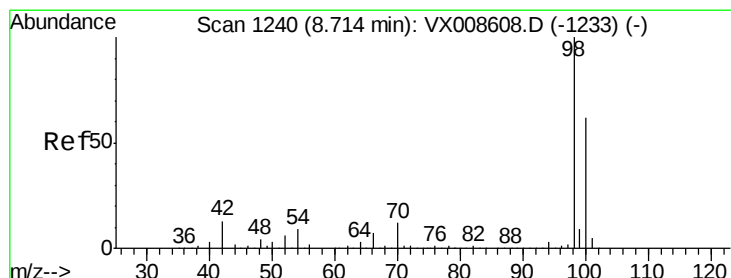
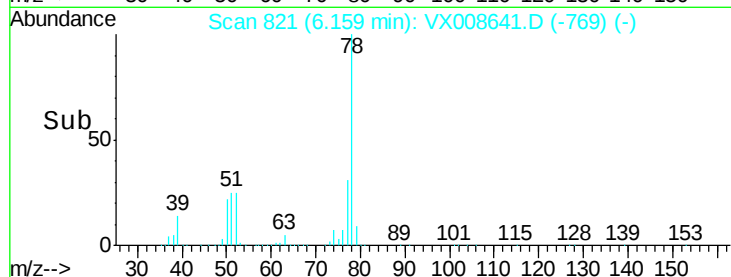
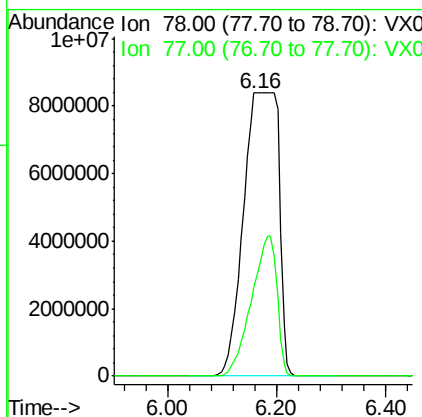
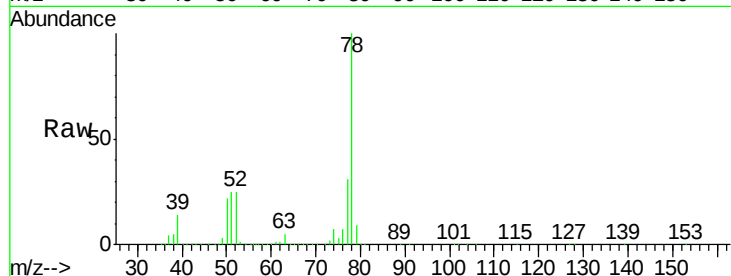
77 31.3 19.1 28.7#

Manual Integrations

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#50

Toluene-d8

Concen: 50.044 ug/l

RT: 8.73 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VX008641.D

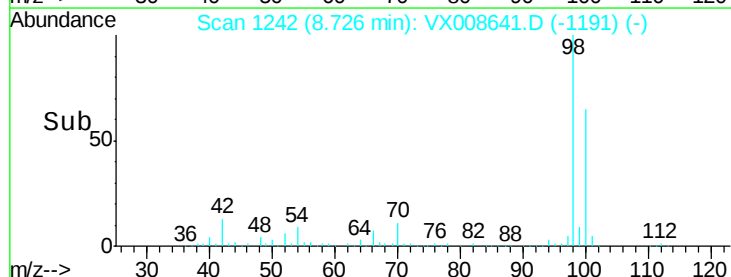
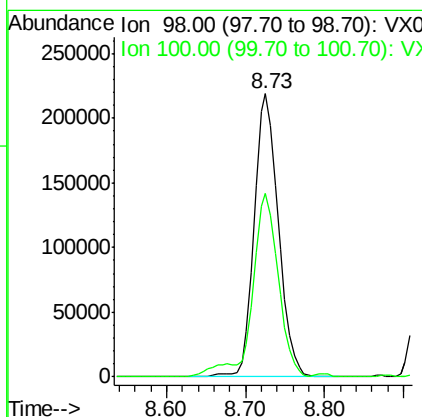
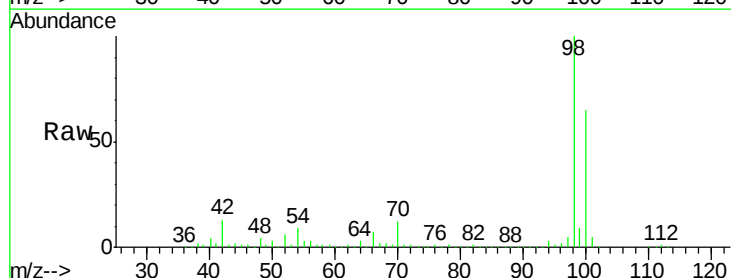
Acq: 04 Apr 2019 17:17

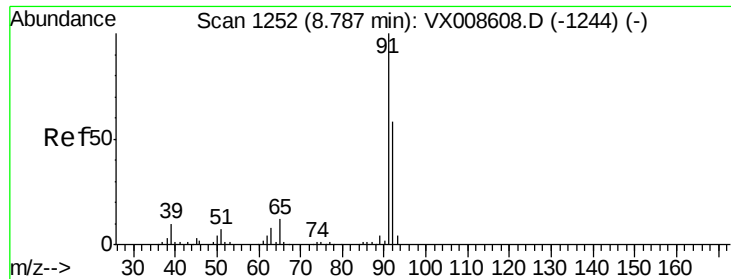
Tgt Ion: 98 Resp: 466127

Ion Ratio Lower Upper

98 100

100 69.9 51.4 77.0





#52

Toluene

Concen: 4281.323 ug/l m

RT: 8.80 min Scan# 1255

Delta R.T. 0.02 min

Lab File: VX008641.D

Acq: 04 Apr 2019 17:17

Instrument :

MSVOA_X

ClientSampleId :

MW-3

Tot Ion: 92 Resp: 30073274

Ion Ratio Lower Upper

92 100

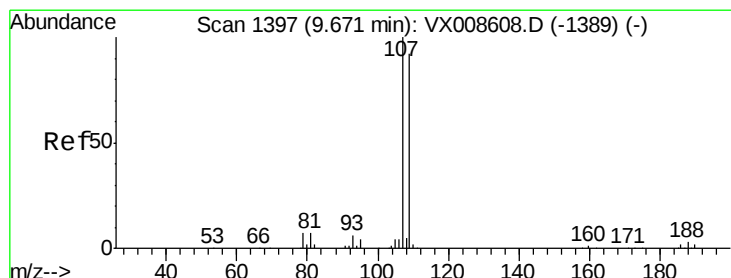
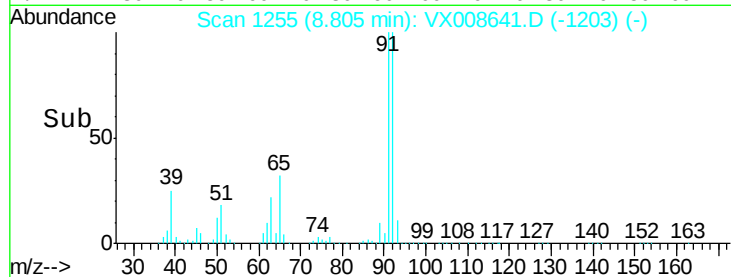
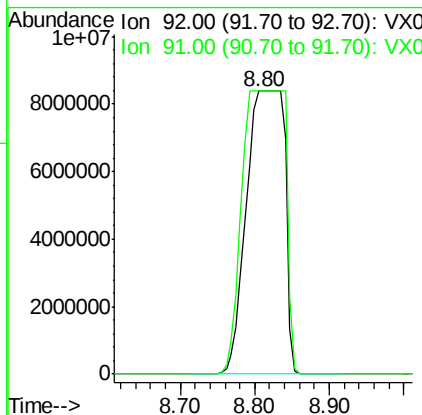
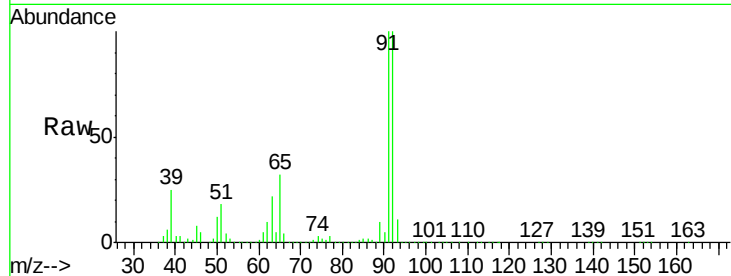
91 0.0 138.5 207.7#

Manual Integrations

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#61

1,2-Dibromoethane

Concen: 14.007 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008641.D

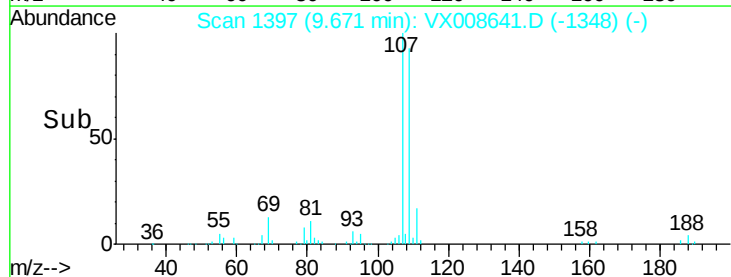
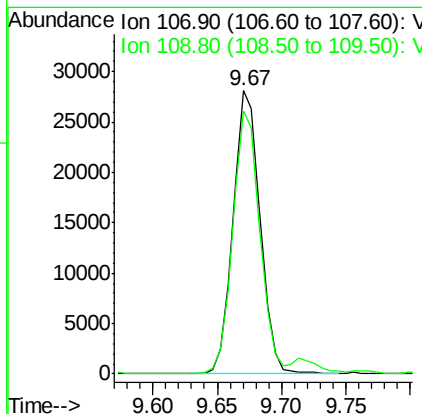
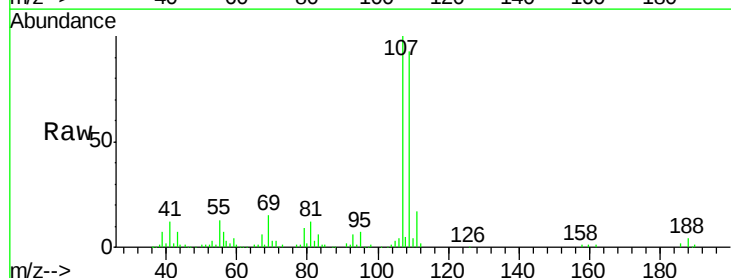
Acq: 04 Apr 2019 17:17

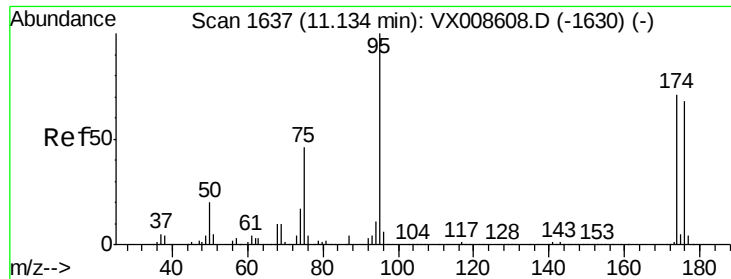
Tgt Ion: 107 Resp: 41115

Ion Ratio Lower Upper

107 100

109 93.2 74.1 111.1





#62

4-Bromofluorobenzene

Concen: 45.136 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008641.D

Acq: 04 Apr 2019 17:17

Instrument :

MSVOA_X

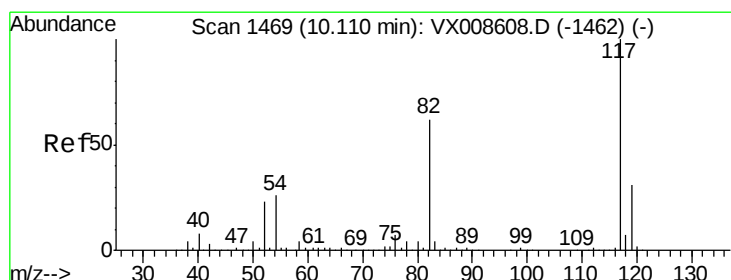
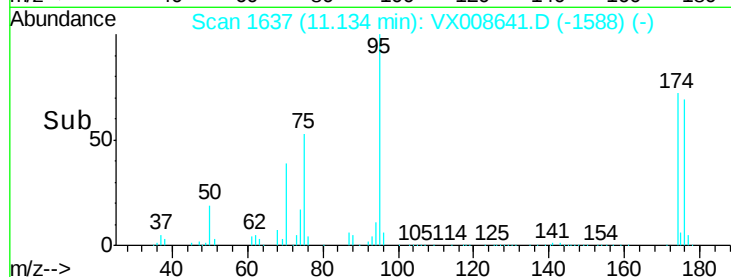
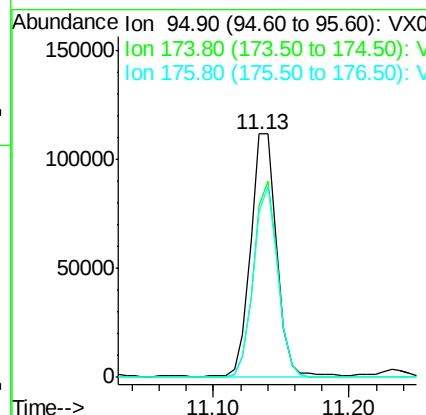
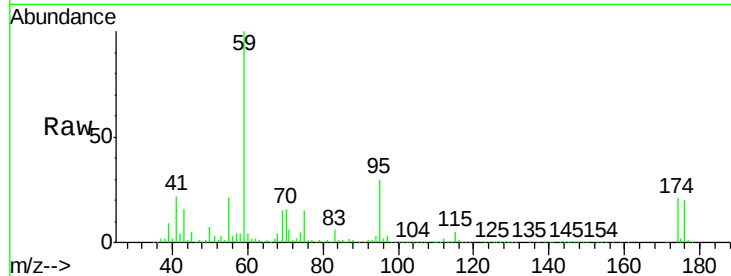
ClientSampled :

MW-3

Tot Ion:	95	Resp:	149086
Ion Ratio	Lower	Upper	
95	100		
174	75.5	0.0	151.8
176	73.5	0.0	145.8

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

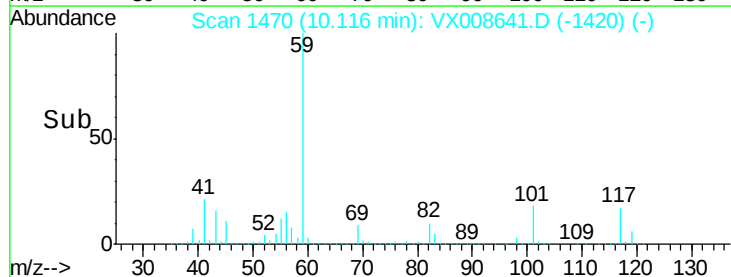
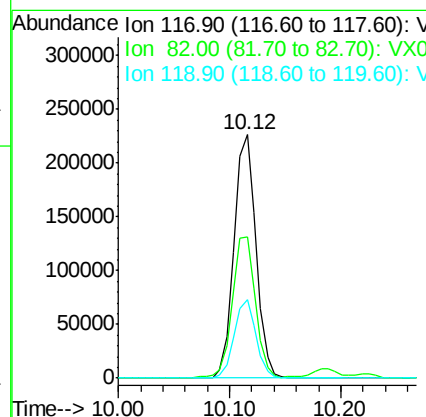
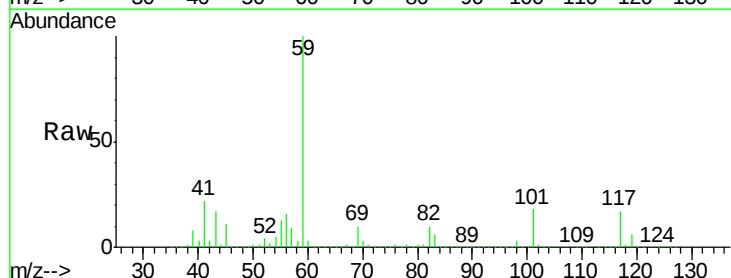
RT: 10.12 min Scan# 1470

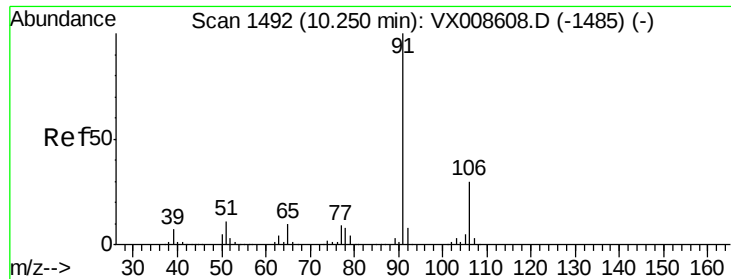
Delta R.T. 0.01 min

Lab File: VX008641.D

Acq: 04 Apr 2019 17:17

Tgt Ion:	117	Resp:	308610
Ion Ratio	Lower	Upper	
117	100		
82	57.8	49.6	74.4
119	32.3	25.0	37.4





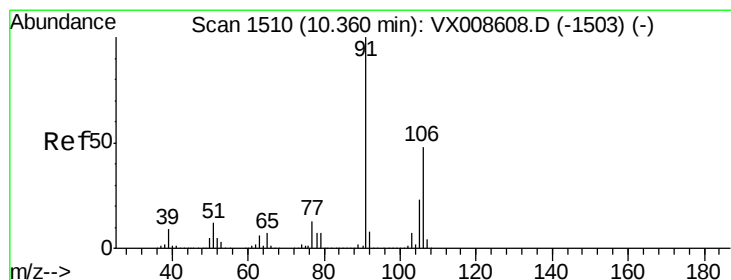
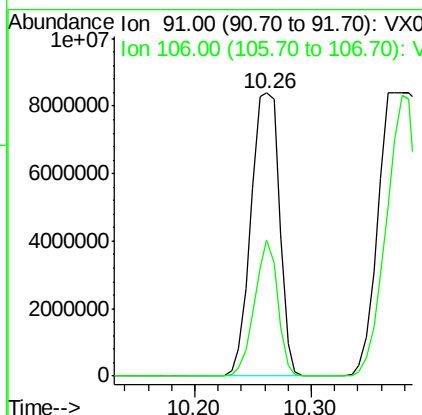
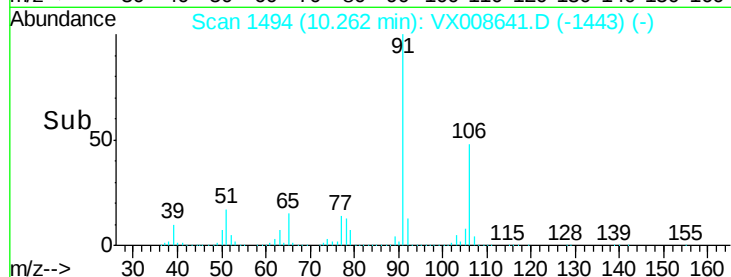
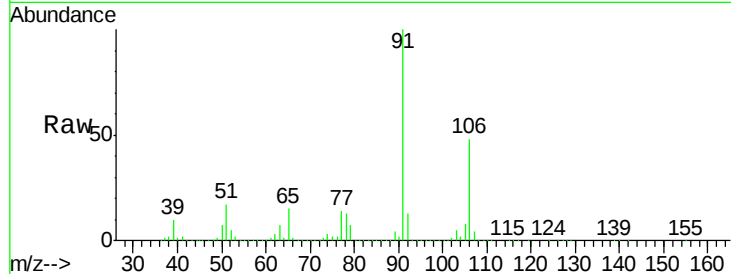
#67
Ethyl Benzene
Concen: 1130.618 ug/l
RT: 10.26 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VX008641.D
Acq: 04 Apr 2019 17:17

Instrument :
MSVOA_X
ClientSampled :
MW-3

Tot Ion: 91 Resp:14422283
Ion Ratio Lower Upper
91 100
106 47.9 23.7 35.5#

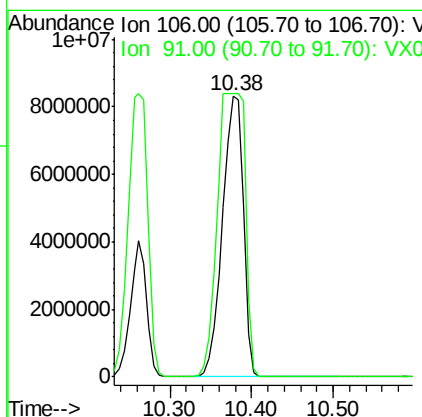
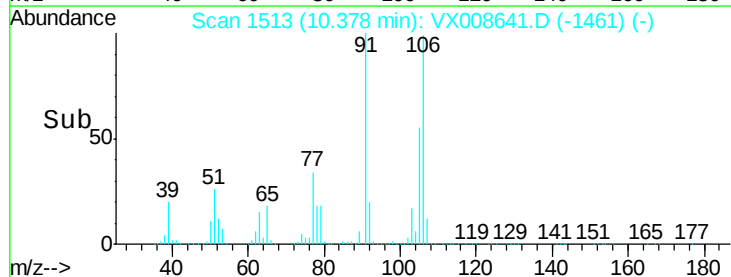
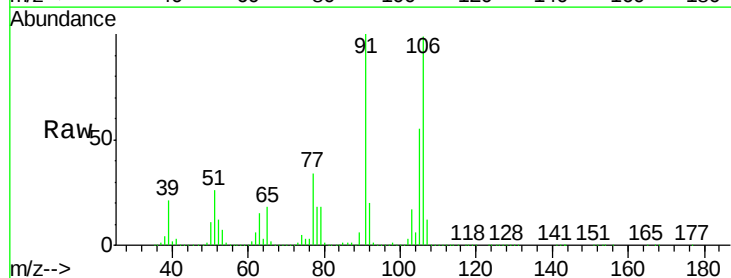
Manual Integrations
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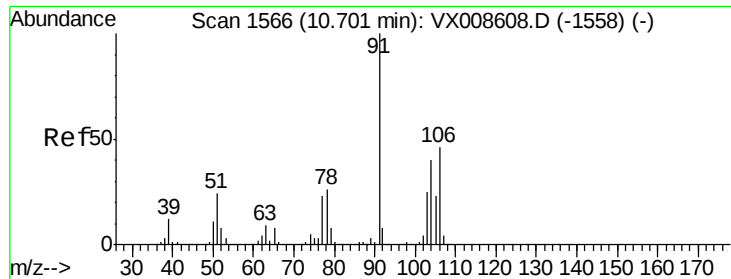
MMDadoda
4/5/2019 11:12:10 AM



#68
m/p-Xylenes
Concen: 3207.903 ug/l
RT: 10.38 min Scan# 1513
Delta R.T. 0.02 min
Lab File: VX008641.D
Acq: 04 Apr 2019 17:17

Tgt Ion:106 Resp:14713025
Ion Ratio Lower Upper
106 100
91 136.2 168.5 252.7#





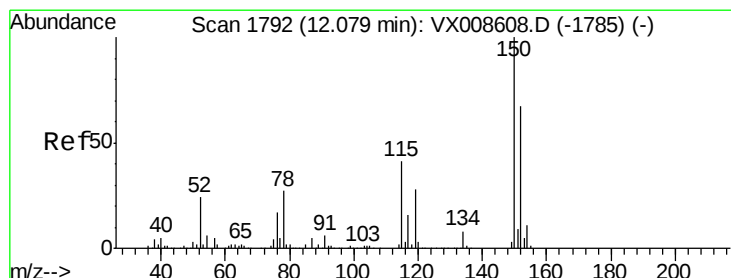
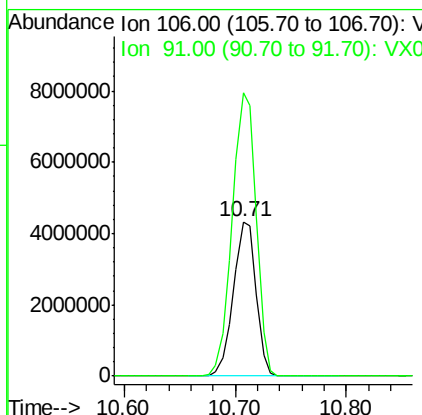
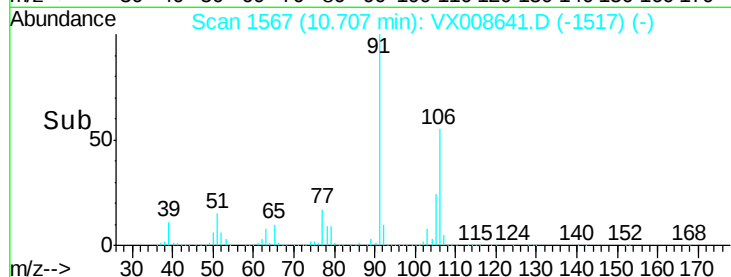
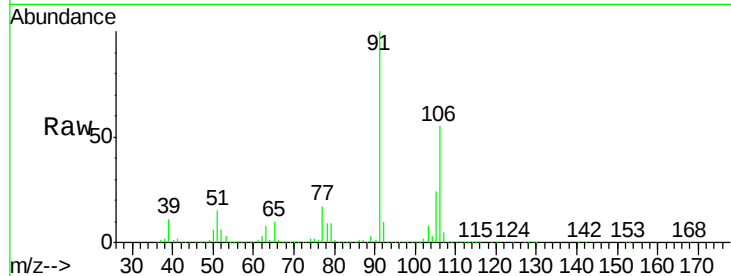
#69
o-Xylene
Concen: 1368.996 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VX008641.D
Acq: 04 Apr 2019 17:17

Instrument :
MSVOA_X
ClientSampled :
MW-3

Tot Ion:106 Resp: 6084956
Ion Ratio Lower Upper
106 100
91 193.8 111.5 334.4

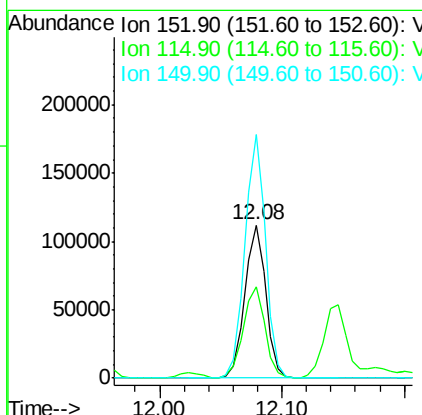
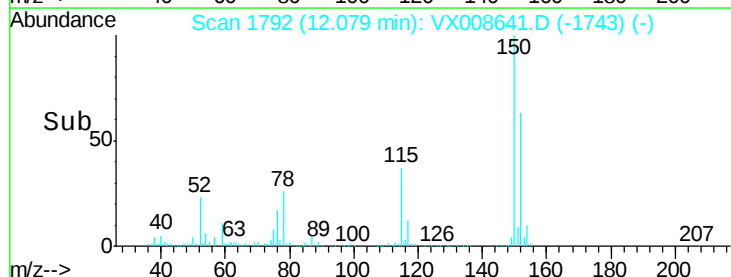
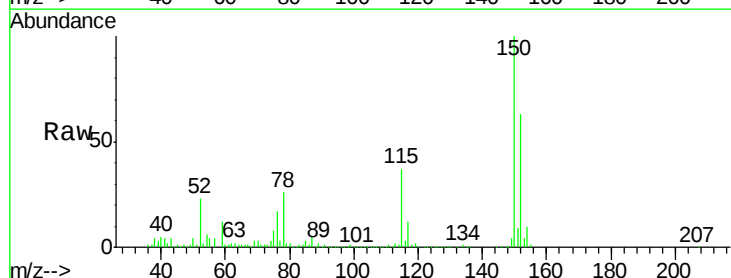
Manual Integrations
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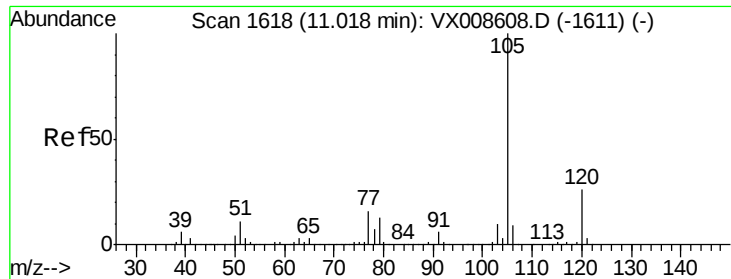
MMDadoda
4/5/2019 11:12:10 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008641.D
Acq: 04 Apr 2019 17:17

Tgt Ion:152 Resp: 132496
Ion Ratio Lower Upper
152 100
115 60.3 43.5 130.5
150 156.6 0.0 348.8





#73

Isopropylbenzene

Concen: 39.454 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008641.D

Acq: 04 Apr 2019 17:17

Instrument :

MSVOA_X

ClientSampleId :

MW-3

Tot Ion: 105 Resp: 433220

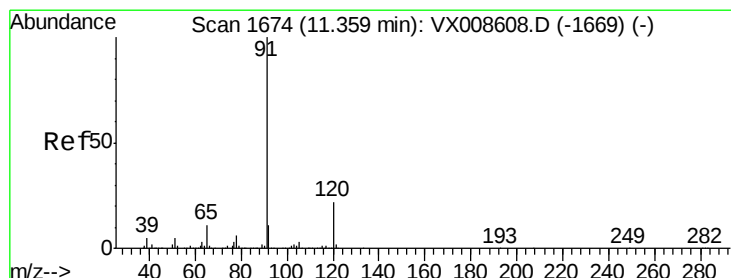
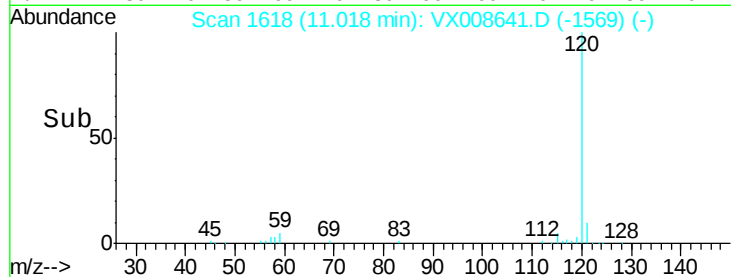
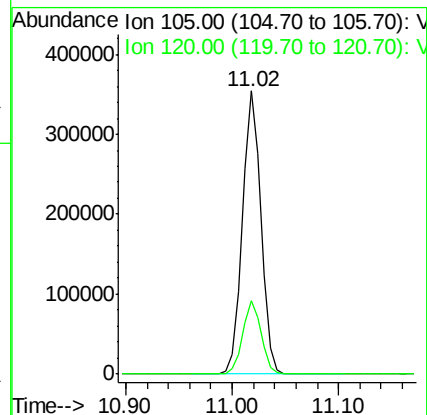
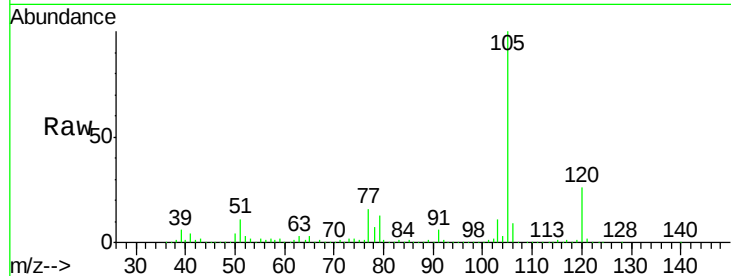
Ion Ratio Lower Upper

105 100

120 25.7 12.9 38.6

Manual Integrations
APPROVED

MMDadoda
4/5/2019 11:12:10 AM



#78

n-propylbenzene

Concen: 89.939 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008641.D

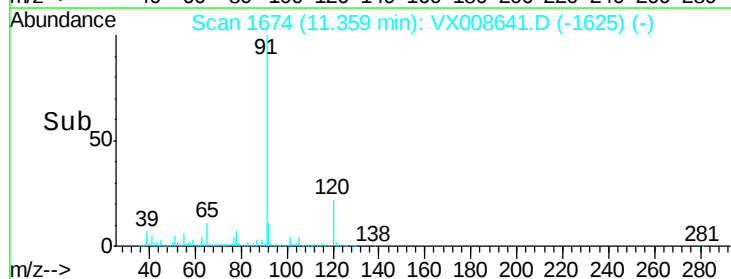
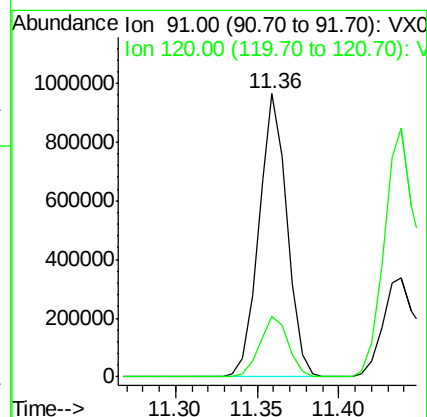
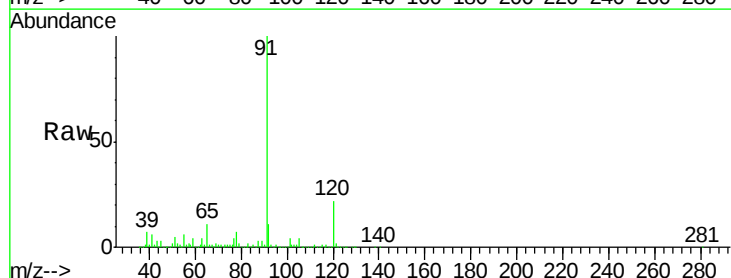
Acq: 04 Apr 2019 17:17

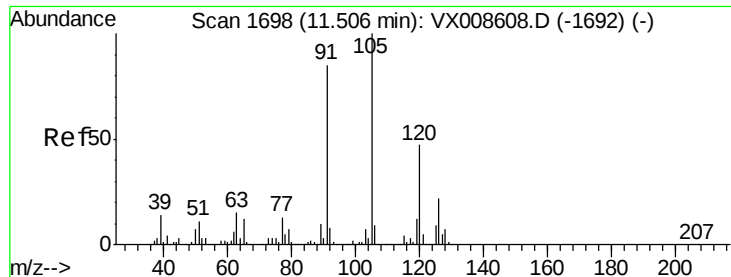
Tgt Ion: 91 Resp: 1149884

Ion Ratio Lower Upper

91 100

120 21.9 10.9 32.7





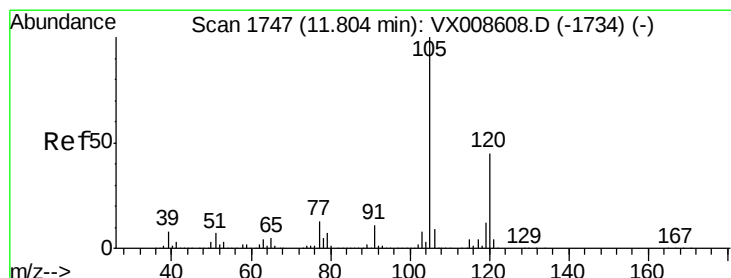
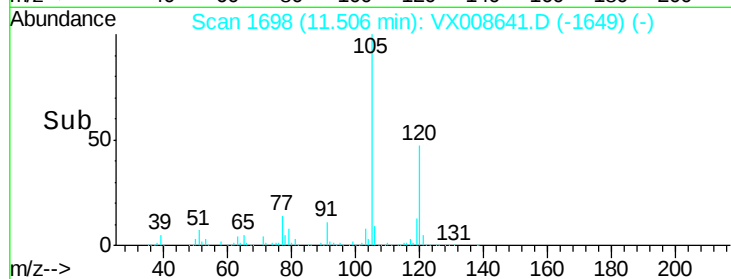
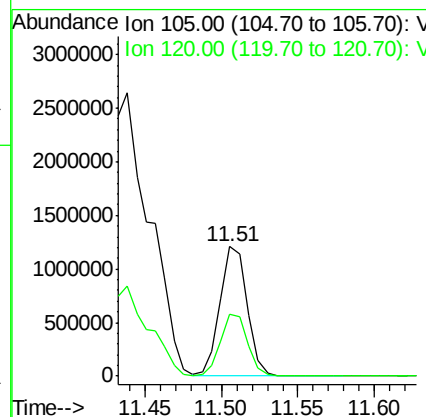
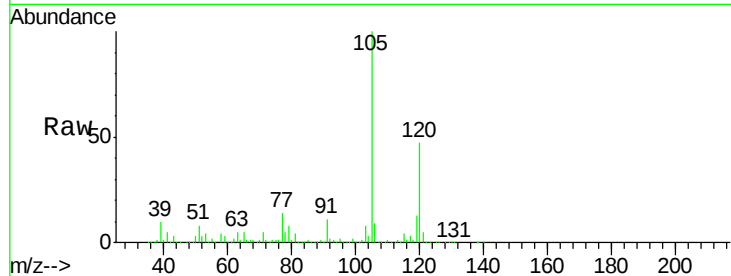
#80
 1,3,5-Trimethylbenzene
 Concen: 162.849 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX008641.D
 Acq: 04 Apr 2019 17:17

Instrument :
 MSVOA_X
 ClientSampled :
 MW-3

Tot Ion:105 Resp: 1500989
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.5 70.6

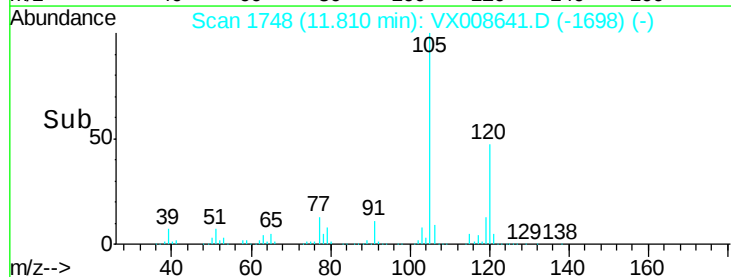
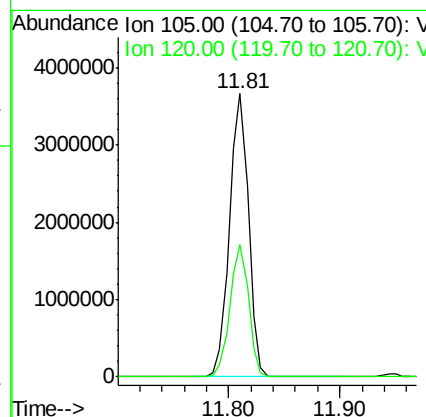
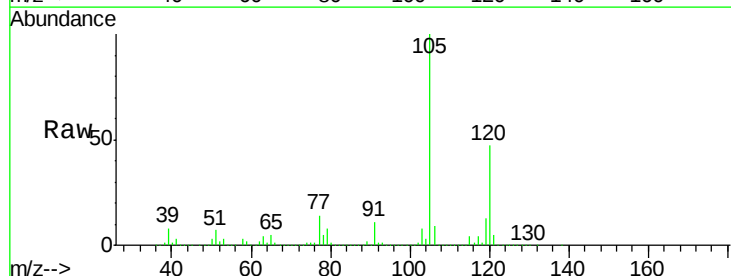
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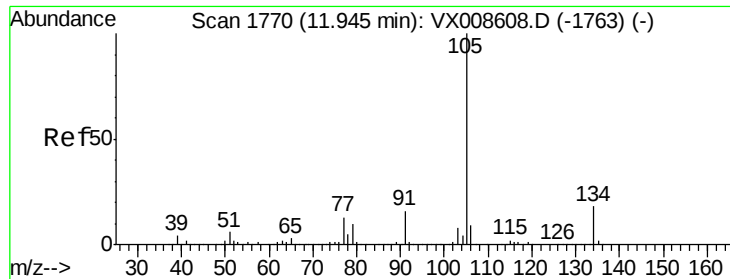
MMDadoda
 4/5/2019 11:12:10 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 462.384 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX008641.D
 Acq: 04 Apr 2019 17:17

Tgt Ion:105 Resp: 4315371
 Ion Ratio Lower Upper
 105 100
 120 45.9 21.8 65.3





#85

sec-Butylbenzene

Concen: 4.689 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008641.D

Acq: 04 Apr 2019 17:17

Instrument :

MSVOA_X

ClientSampled :

MW-3

Tot Ion:105 Resp: 49387

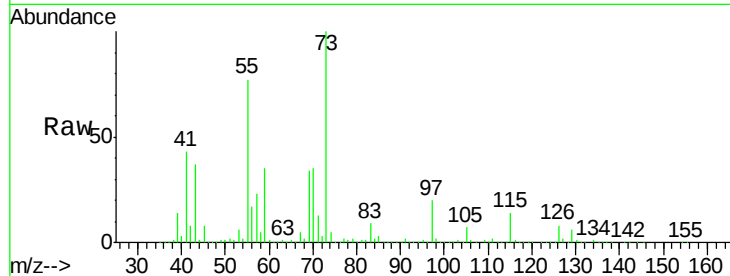
Ion Ratio Lower Upper

105 100

134 0.0 9.4 28.2#

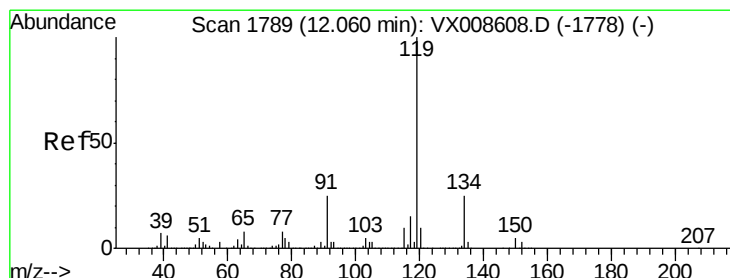
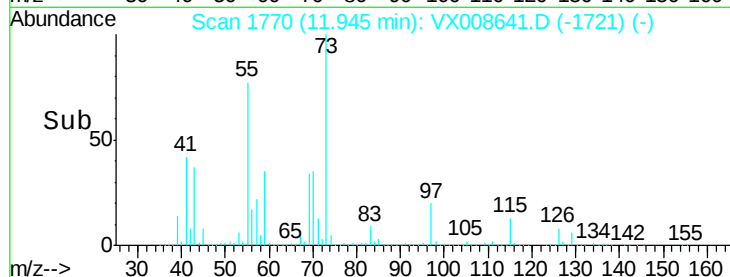
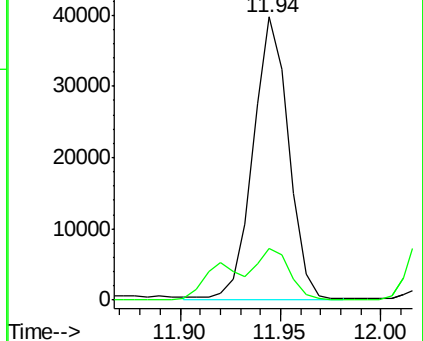
Manual Integrations
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MMDadoda
4/5/2019 11:12:10 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.461 ug/l m

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX008641.D

Acq: 04 Apr 2019 17:17

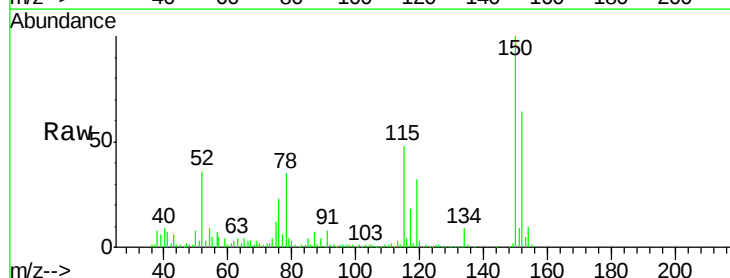
Tgt Ion:119 Resp: 23267

Ion Ratio Lower Upper

119 100

134 77.7 12.8 38.4#

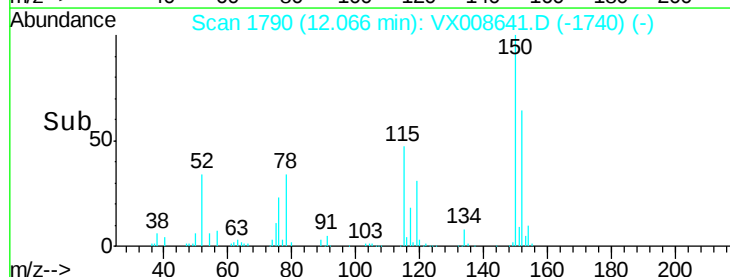
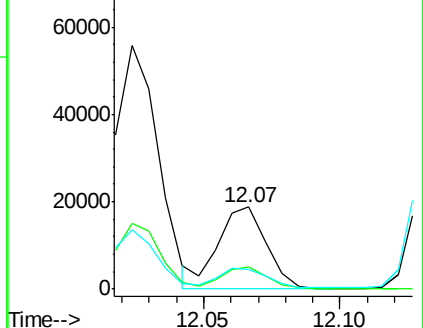
91 66.6 12.2 36.6#

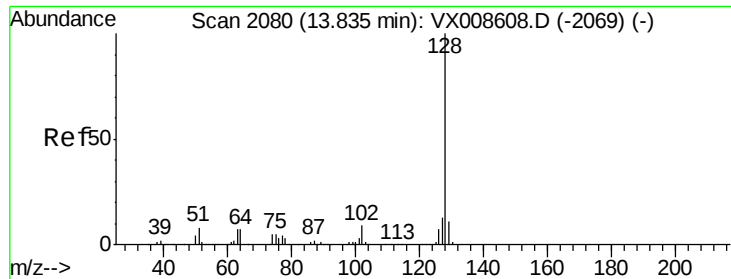


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#95
Naphthalene
Concen: 55.345 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008641.D
Acq: 04 Apr 2019 17:17

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Tot Ion	Ratio	Resp	Lower	Upper
128	100	603445		
127	13.1		10.4	15.6
129	10.9		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/5/2019 11:12:10 AM

