

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032519\
 Data File : VX008441.D
 Acq On : 26 Mar 2019 03:35
 Operator : JC/SP
 Sample : K2059-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 9:47:21 AM

Quant Time: Mar 26 07:27:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 04:58:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	224417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	375184	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	317612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	138938	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	155899	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	
35) Dibromofluoromethane	5.50	113	116339	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
50) Toluene-d8	8.71	98	473900	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
62) 4-Bromofluorobenzene	11.13	95	175002	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.58	56	110455	20.254	ug/l #	91
39) Methylcyclohexane	7.46	83	82696	17.298	ug/l #	86
40) Benzene	6.14	78	353875	29.549	ug/l	100
52) Toluene	8.79	92	36976	5.164	ug/l	98
67) Ethyl Benzene	10.25	91	231303	17.744	ug/l	99
68) m/p-Xylenes	10.36	106	48275	10.180	ug/l	97
69) o-Xylene	10.69	106	14410	3.131	ug/l	95
73) Isopropylbenzene	11.02	105	788453	69.754	ug/l	100
78) n-propylbenzene	11.36	91	594736	44.916	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	13422	1.405	ug/l	99
83) tert-Butylbenzene	11.77	119	26162	2.838	ug/l	88
84) 1,2,4-Trimethylbenzene	11.80	105	31537	3.263	ug/l	100
85) sec-Butylbenzene	11.94	105	77516	7.060	ug/l	96
86) p-Isopropyltoluene	12.06	119	12111m	1.250	ug/l	
89) n-Butylbenzene	12.38	91	64744m	7.055	ug/l	
95) Naphthalene	13.83	128	51439	4.540	ug/l #	92

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

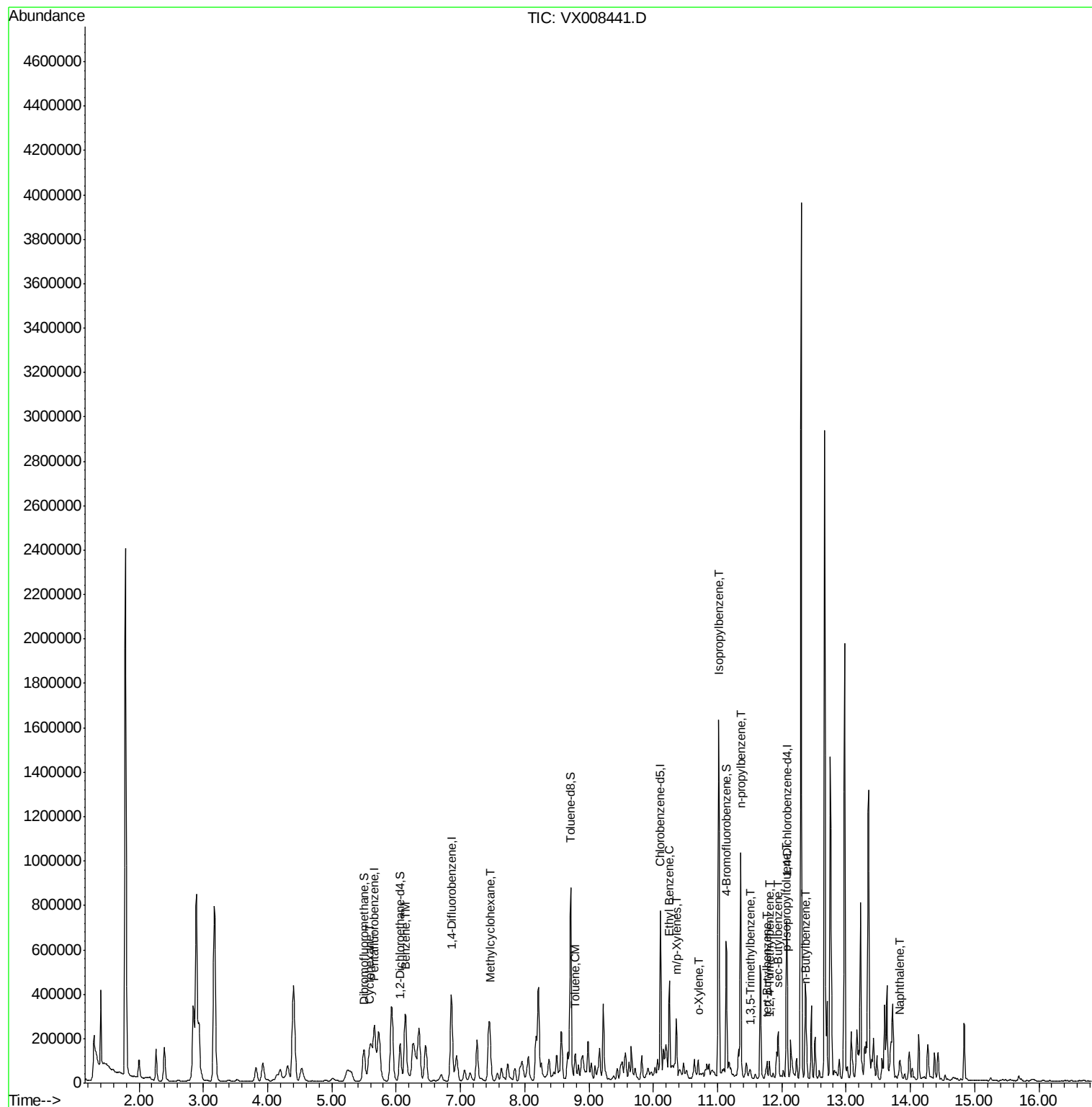
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032519\
Data File : VX008441.D
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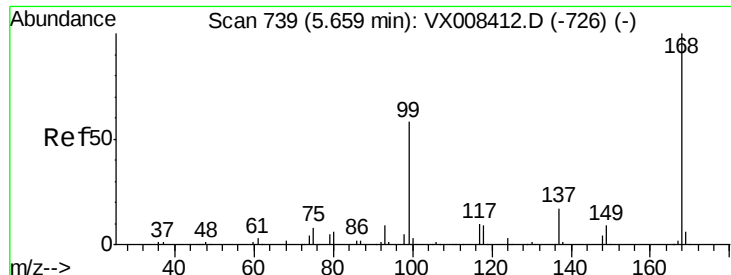
Instrument :
MSVOA_X
ClientSampleId :
MW-3

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Quant Time: Mar 26 07:27:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 26 04:58:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_X

ClientSampled :

MW-3

Tot Ion:168 Resp: 224417

Ion Ratio Lower Upper

168 100

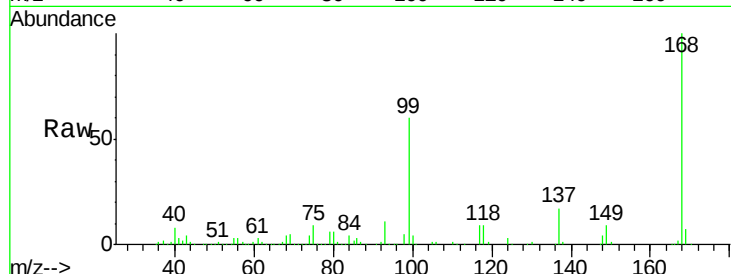
99 59.7 46.0 69.0

Manual Integrations

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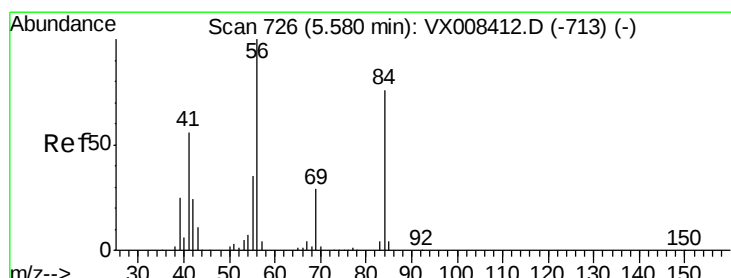
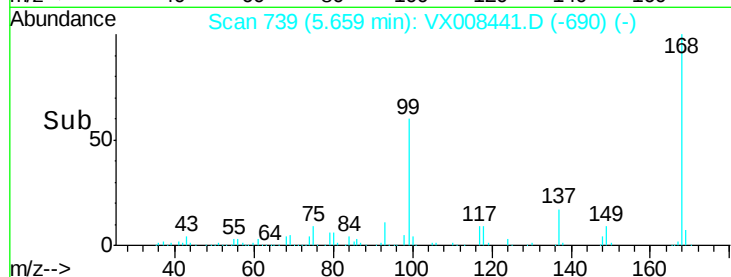
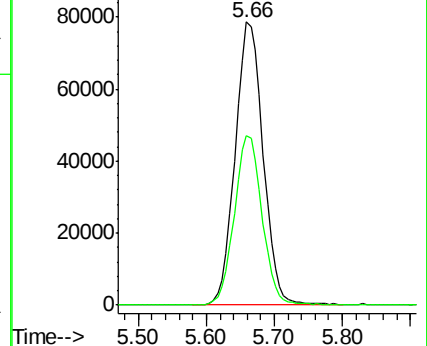
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#31

Cyclohexane

Concen: 20.254 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

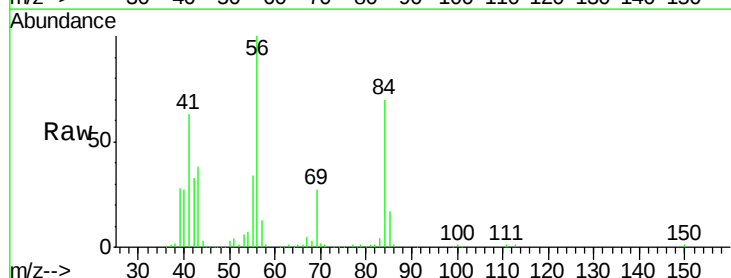
Tgt Ion: 56 Resp: 110455

Ion Ratio Lower Upper

56 100

69 19.0 23.2 34.8#

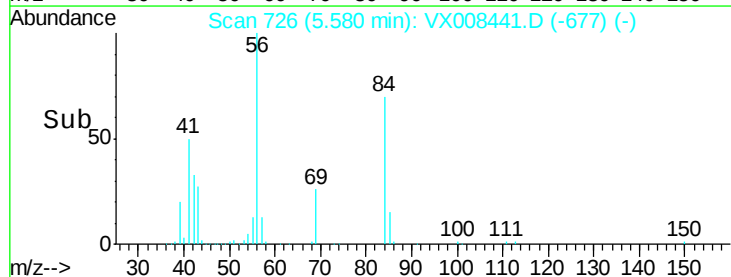
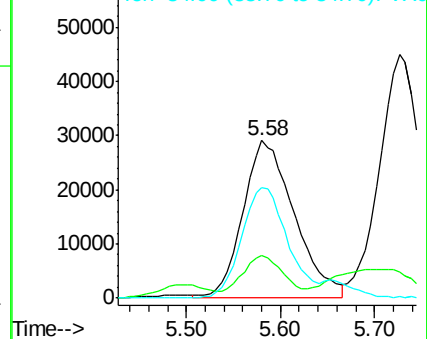
84 70.9 60.7 91.1

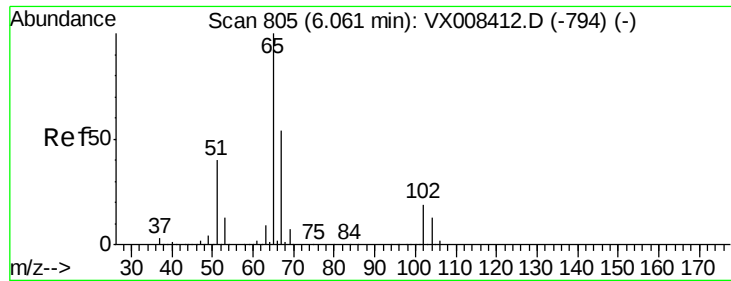


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





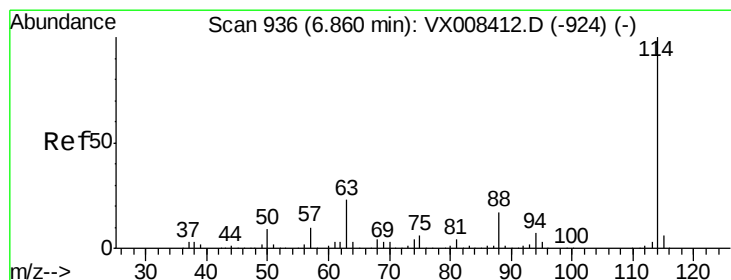
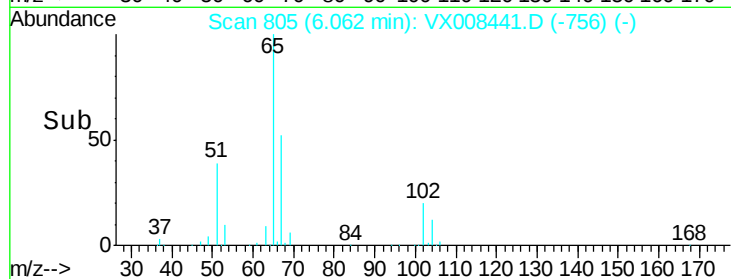
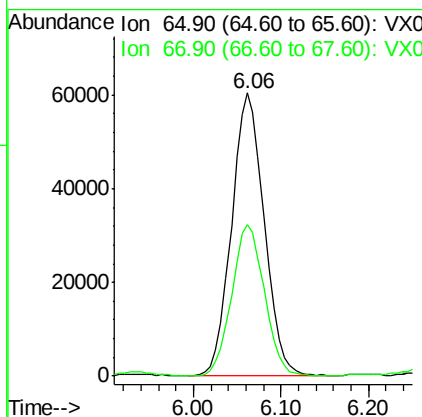
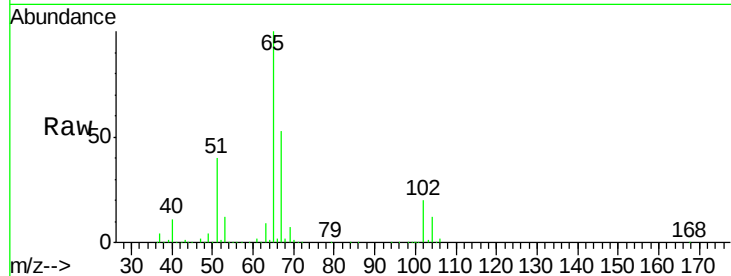
#33
 1,2-Dichloroethane-d4
 Concen: 45.823 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008441.D
 Acq: 26 Mar 2019 03:35

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	109.4

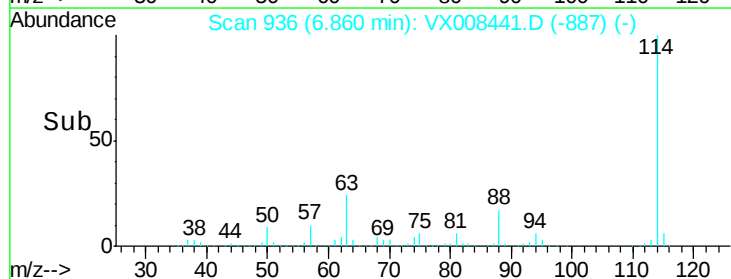
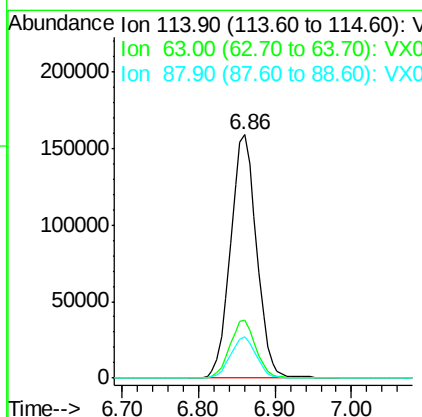
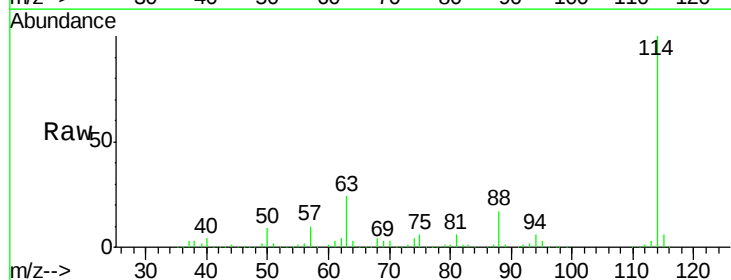
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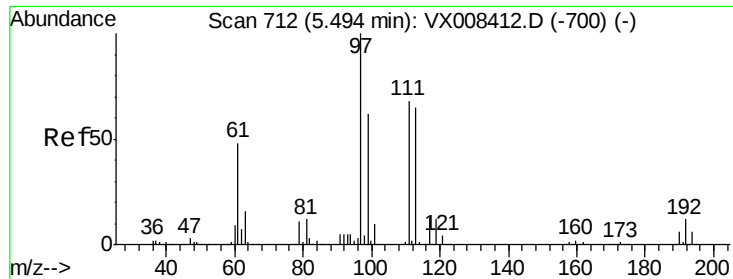
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008441.D
 Acq: 26 Mar 2019 03:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	46.4
88	16.7	0.0	33.2





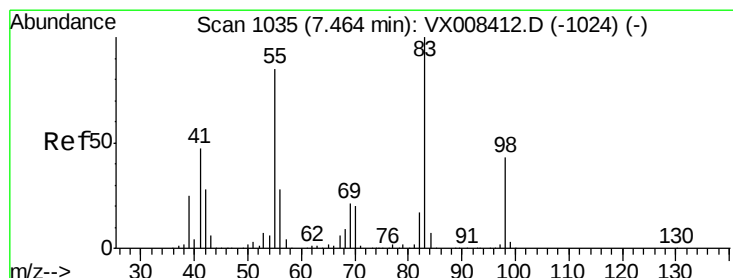
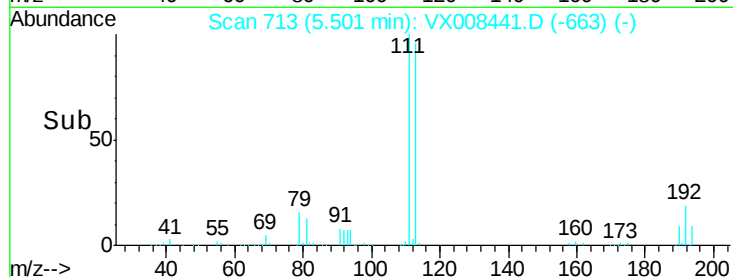
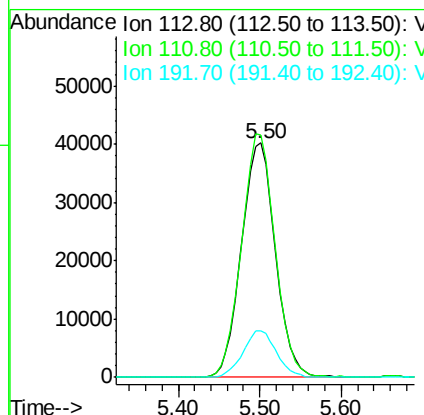
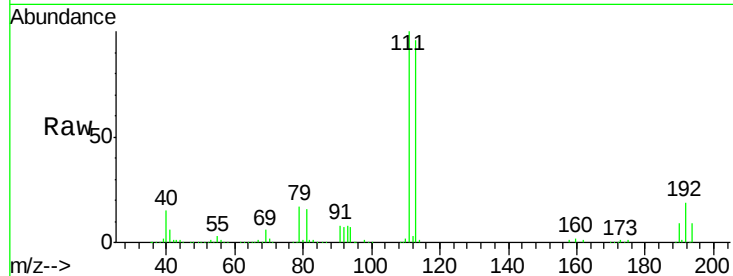
#35
 Dibromofluoromethane
 Concen: 47.556 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008441.D
 Acq: 26 Mar 2019 03:35

Instrument :
 MSVOA_X
 ClientSampled :
 MW-3

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.7	83.0	124.4	
192	19.6	15.6	23.4	

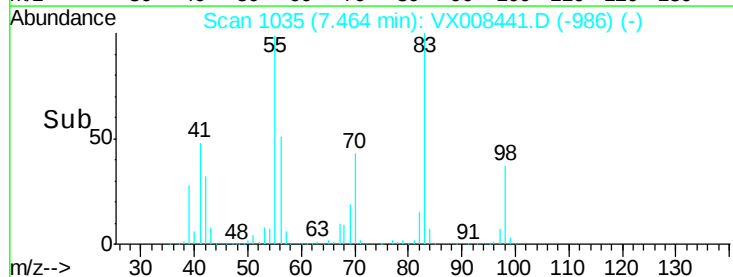
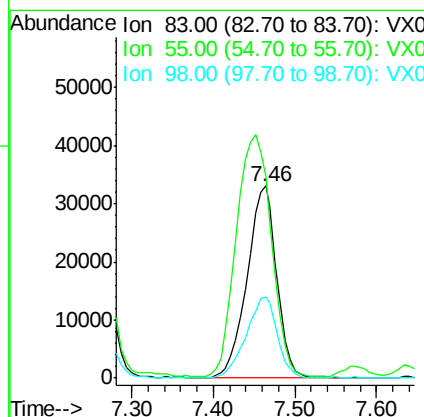
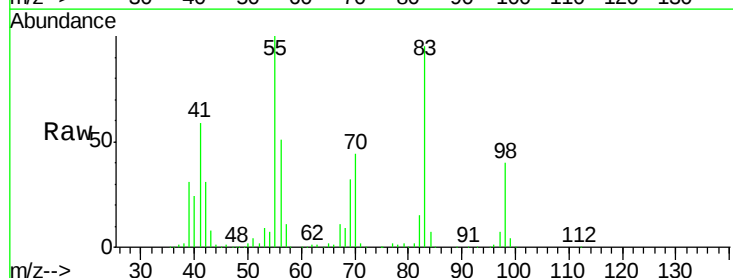
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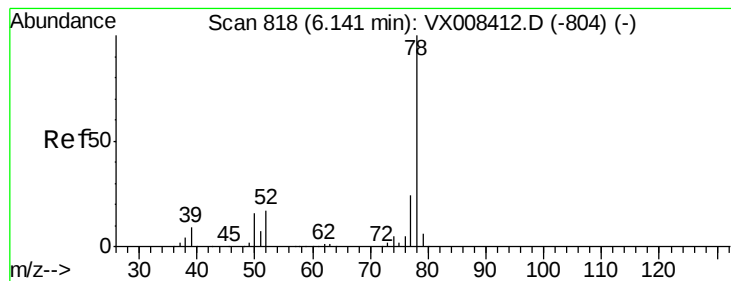
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#39
 Methylcyclohexane
 Concen: 17.298 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX008441.D
 Acq: 26 Mar 2019 03:35

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
55	104.4	68.2	102.4#	
98	42.2	34.2	51.4	





#40

Benzene

Concen: 29.549 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_X

ClientSampled :

MW-3

Tot Ion: 78 Resp: 353875

Ion Ratio Lower Upper

78 100

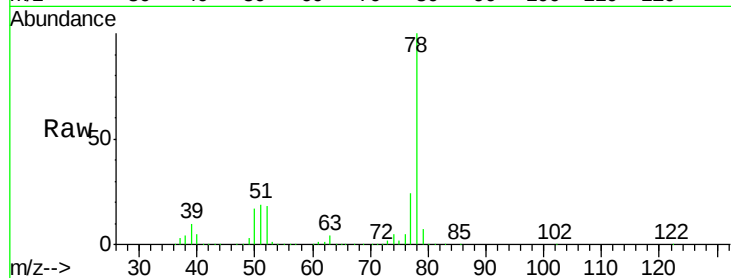
77 24.0 19.3 28.9

Manual Integrations

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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.14

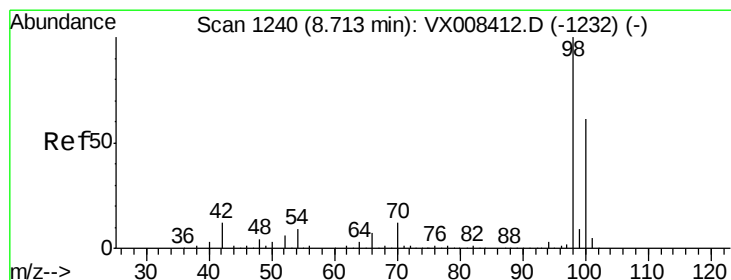
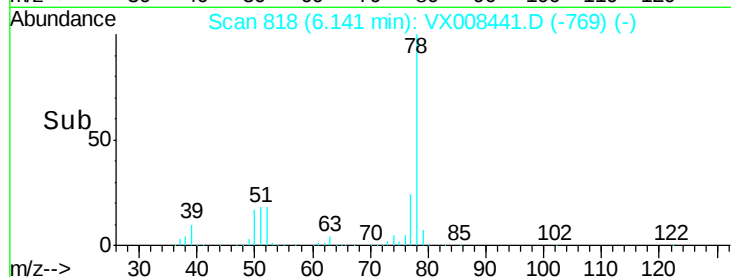
150000

100000

50000

0

Time-->



#50

Toluene-d8

Concen: 48.446 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008441.D

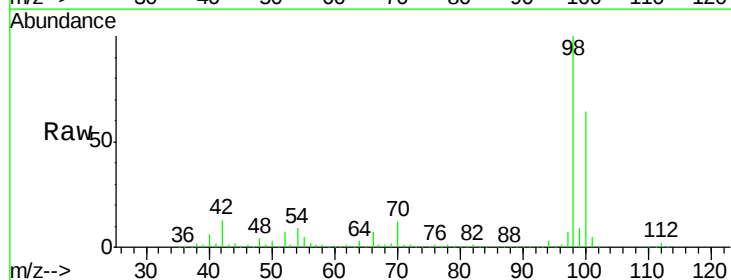
Acq: 26 Mar 2019 03:35

Tgt Ion: 98 Resp: 473900

Ion Ratio Lower Upper

98 100

100 63.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

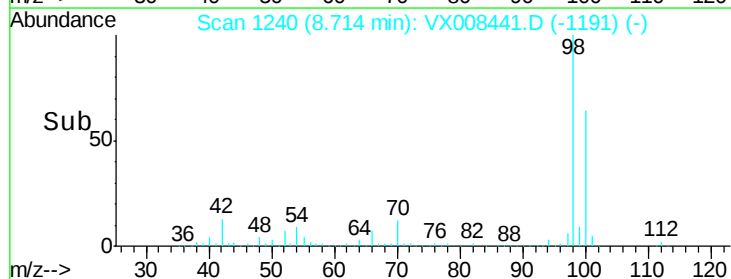
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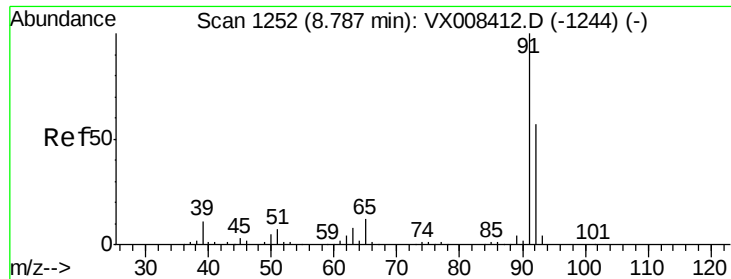
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100000

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Time-->





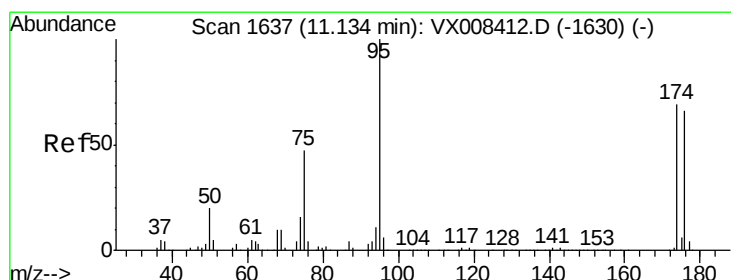
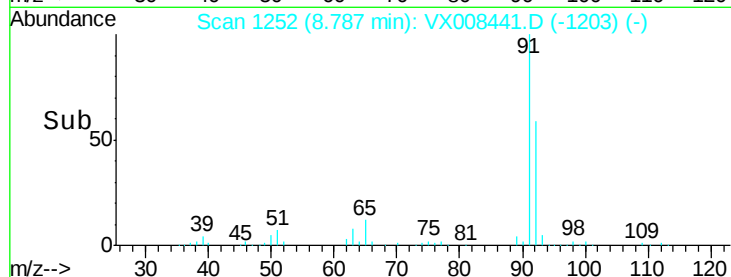
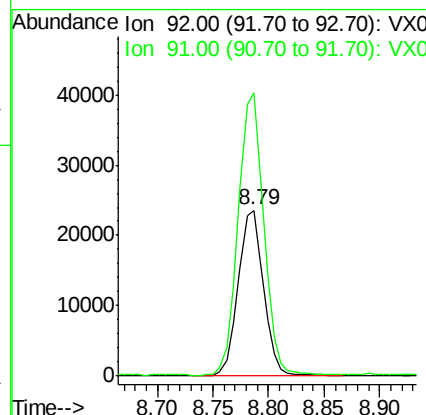
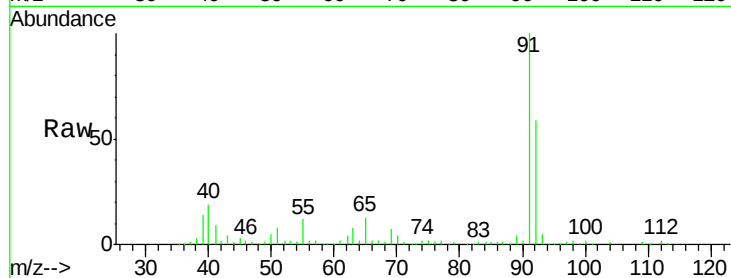
#52
Toluene
Concen: 5.164 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX008441.D
Acq: 26 Mar 2019 03:35

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Tot Ion: 92 Resp: 36976
Ion Ratio Lower Upper
92 100
91 172.4 140.2 210.4

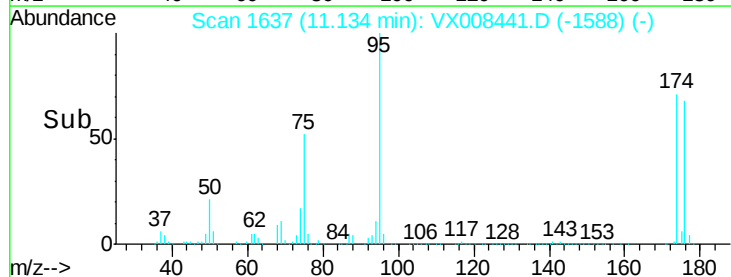
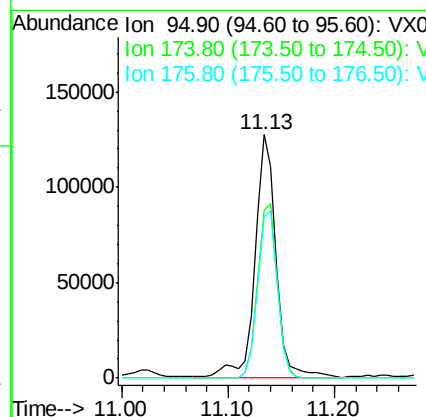
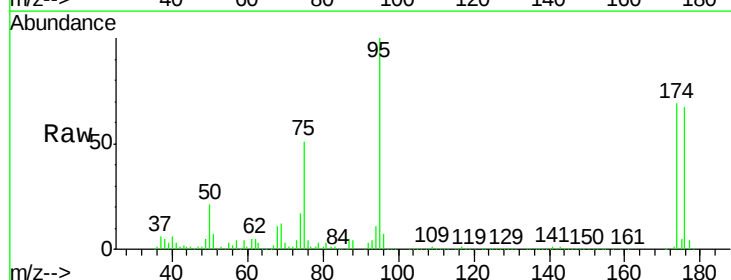
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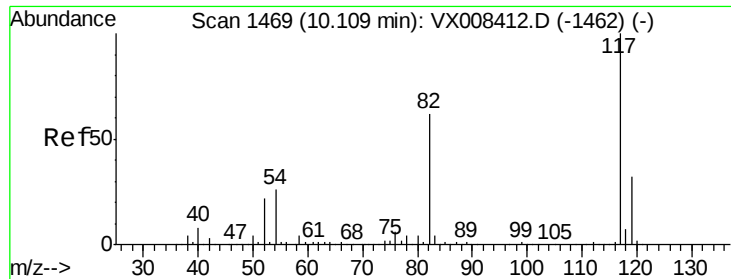
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#62
4-Bromofluorobenzene
Concen: 48.278 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008441.D
Acq: 26 Mar 2019 03:35

Tgt Ion: 95 Resp: 175002
Ion Ratio Lower Upper
95 100
174 67.9 0.0 147.2
176 65.8 0.0 142.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_X

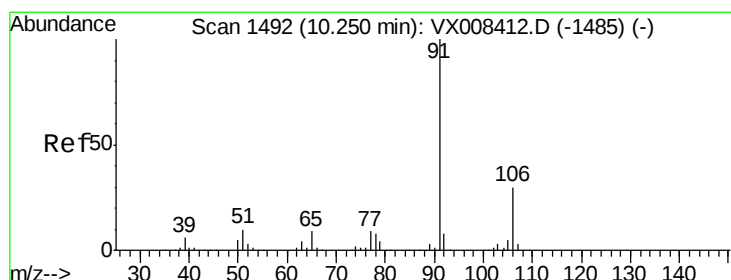
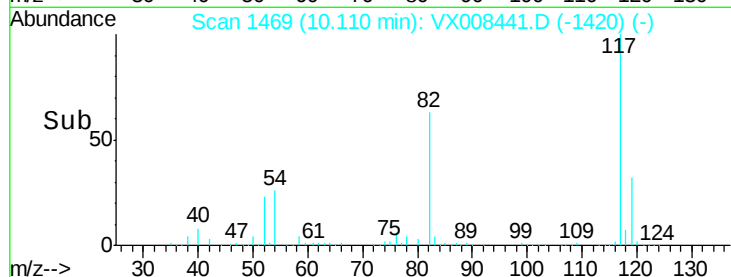
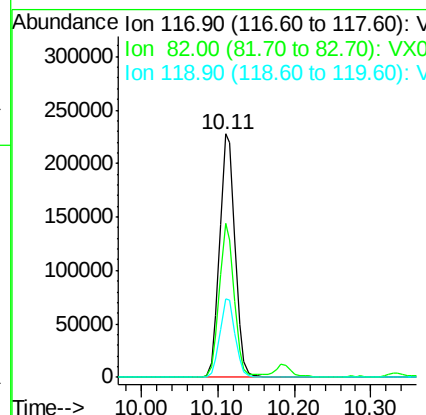
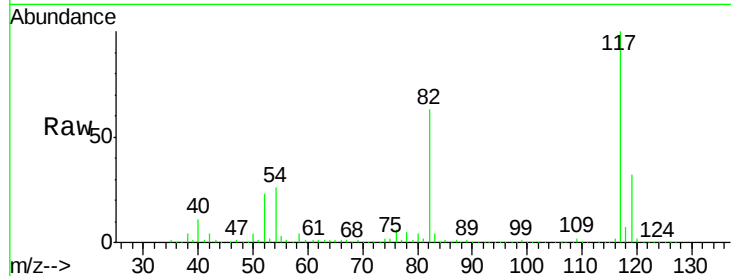
ClientSampleId :

MW-3

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.1	49.4	74.2
119	32.1	25.4	38.0

Manual Integrations
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3/26/2019 9:47:21 AM



#67

Ethyl Benzene

Concen: 17.744 ug/l

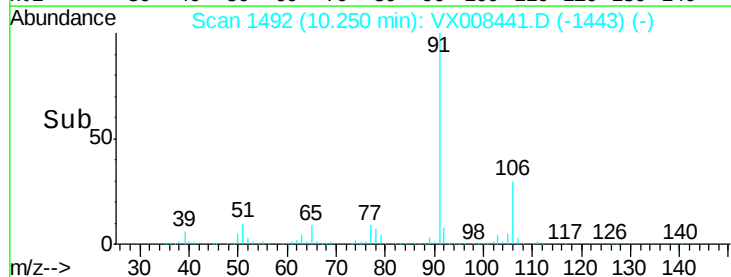
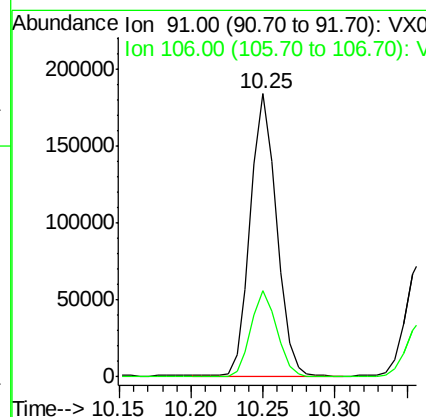
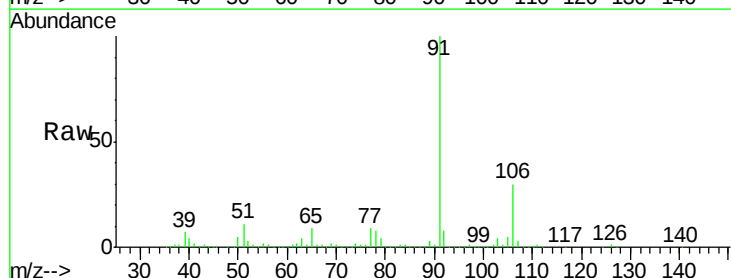
RT: 10.25 min Scan# 1492

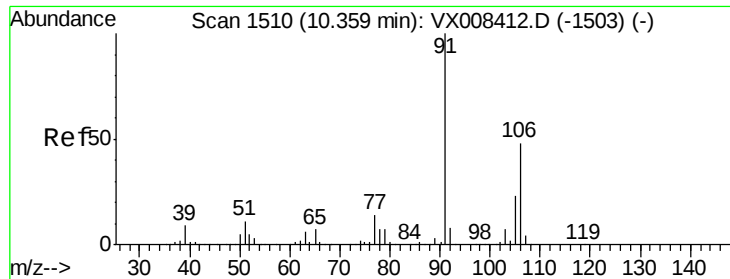
Delta R.T. 0.00 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.0	36.0





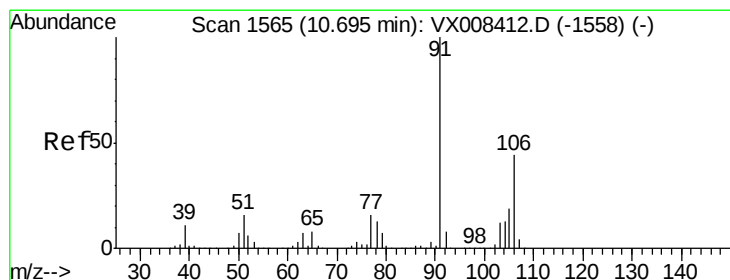
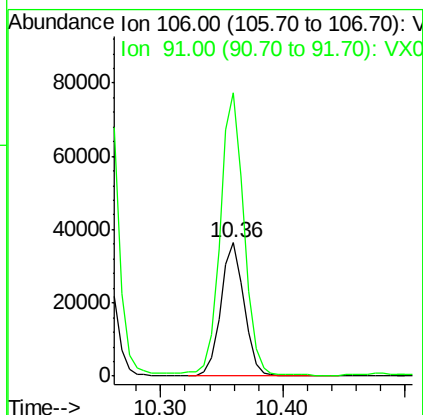
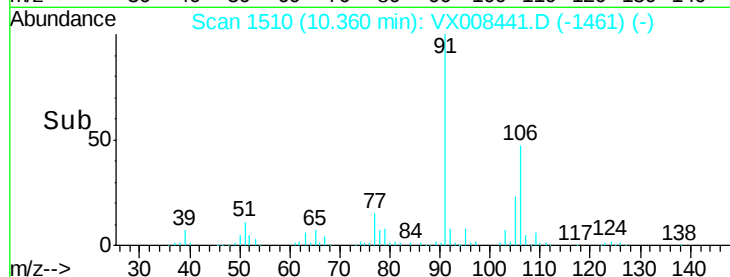
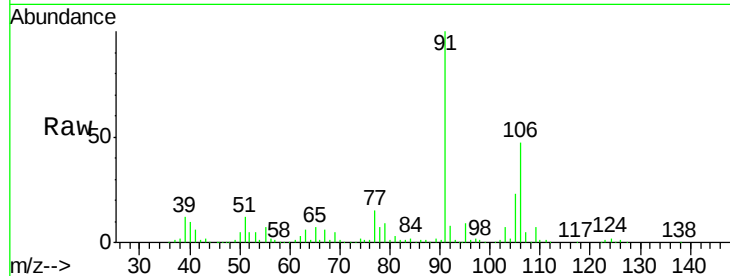
#68
m/p-Xylenes
Concen: 10.180 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008441.D
Acq: 26 Mar 2019 03:35

Instrument :
MSVOA_X
ClientSampled :
MW-3

Tot Ion:106 Resp: 48275
Ion Ratio Lower Upper
106 100
91 215.1 168.6 253.0

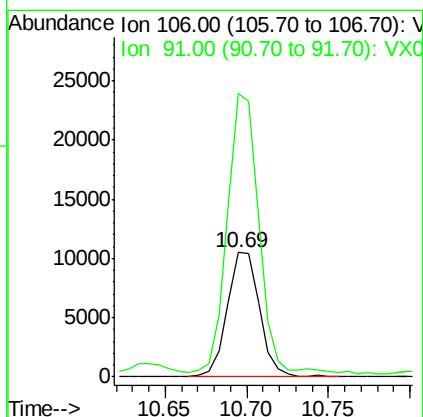
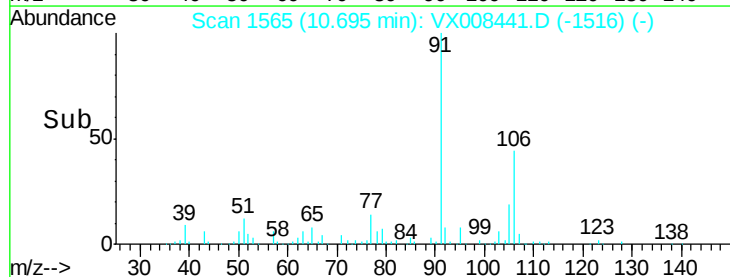
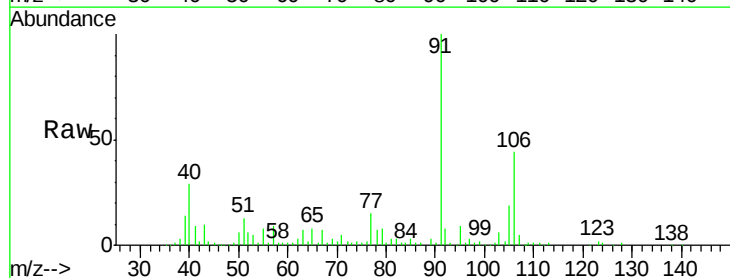
Manual Integrations
APPROVED

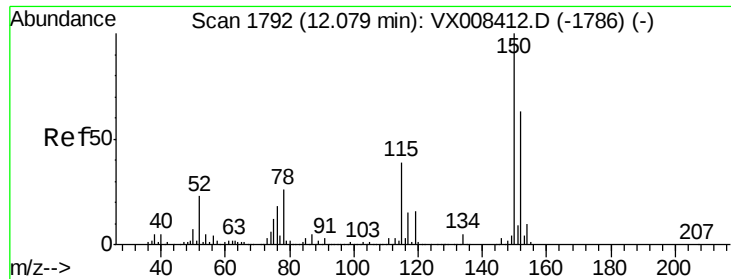
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3/26/2019 9:47:21 AM



#69
o-Xylene
Concen: 3.131 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008441.D
Acq: 26 Mar 2019 03:35

Tgt Ion:106 Resp: 14410
Ion Ratio Lower Upper
106 100
91 214.2 111.4 334.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_X

ClientSampleId :

MW-3

Tot Ion:152 Resp: 138938

Ion Ratio Lower Upper

152 100

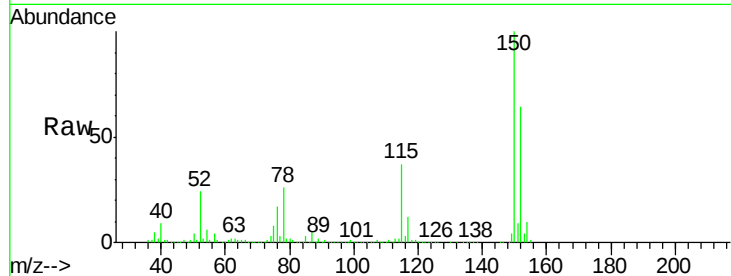
115 61.0 43.5 130.5

150 155.3 0.0 348.8

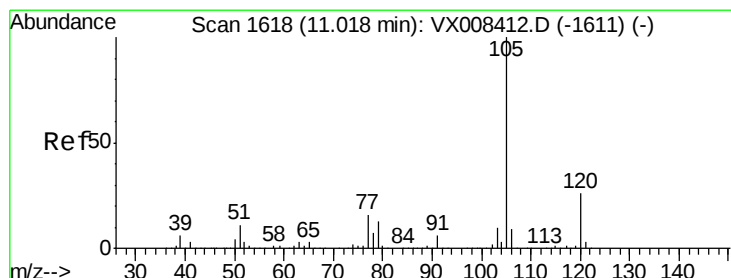
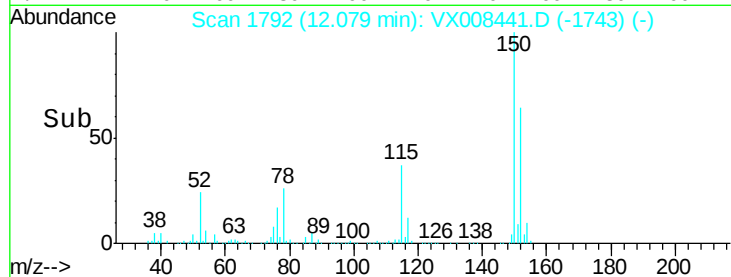
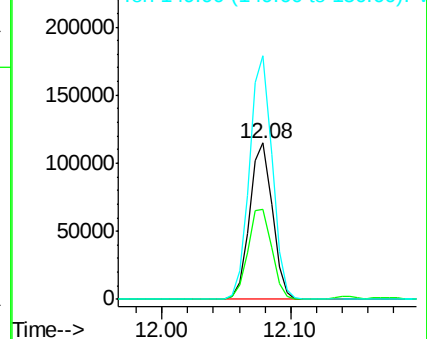
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 69.754 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008441.D

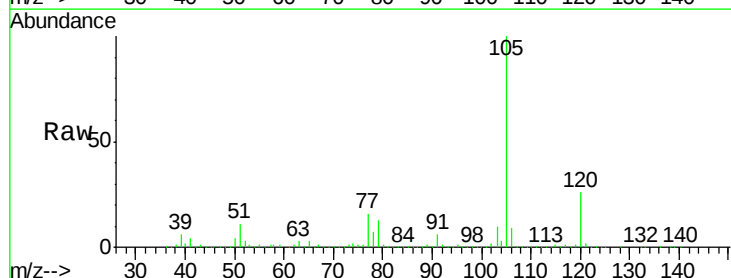
Acq: 26 Mar 2019 03:35

Tgt Ion:105 Resp: 788453

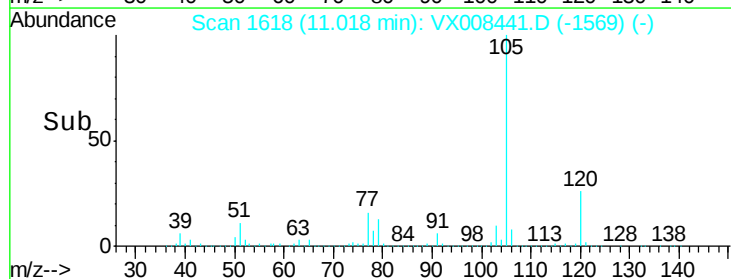
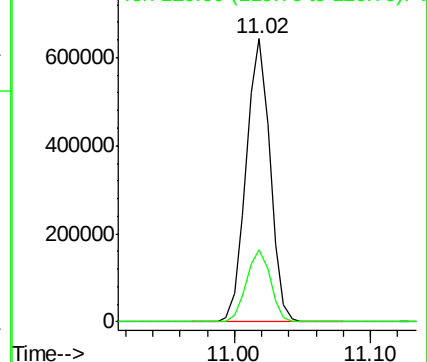
Ion Ratio Lower Upper

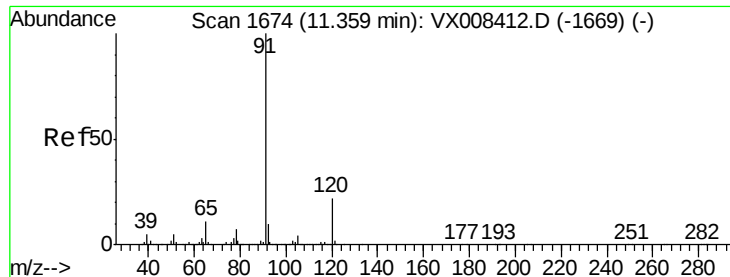
105 100

120 25.7 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





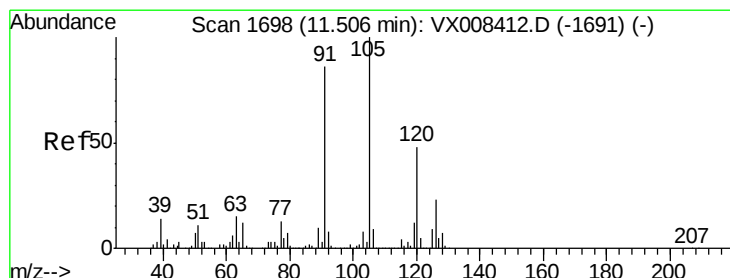
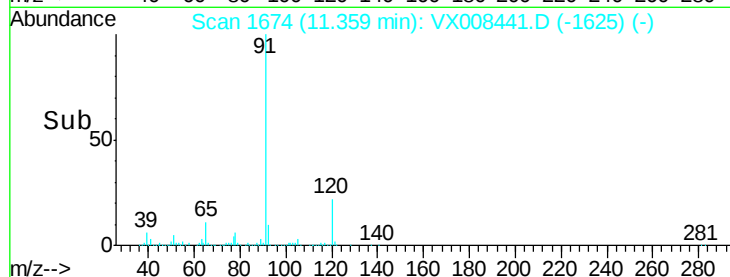
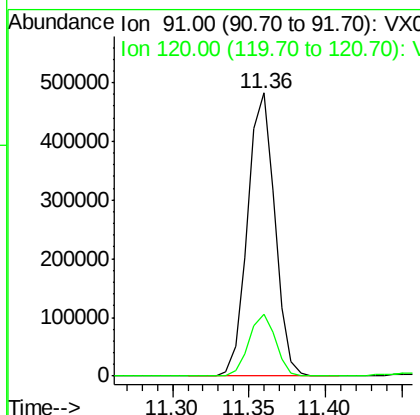
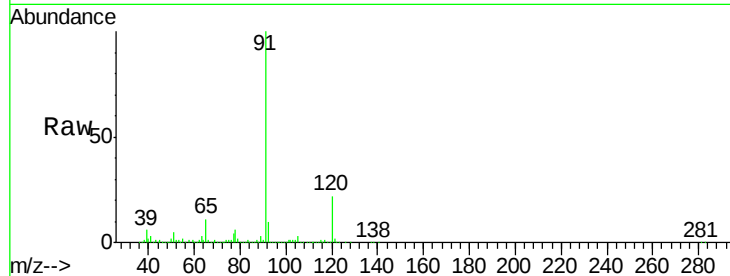
#78
 n-propylbenzene
 Concen: 44.916 ug/l
 RT: 11.36 min Scan# 1674
 Delta R.T. 0.00 min
 Lab File: VX008441.D
 Acq: 26 Mar 2019 03:35

Instrument :
 MSVOA_X
 ClientSampled :
 MW-3

Tot Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.8	32.4

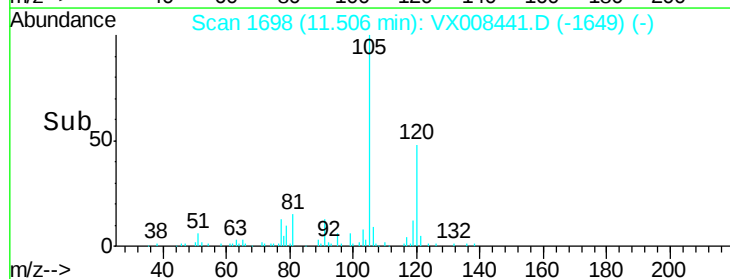
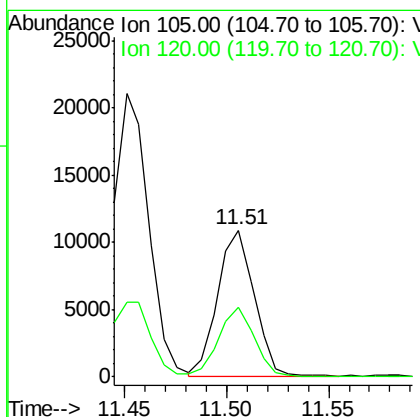
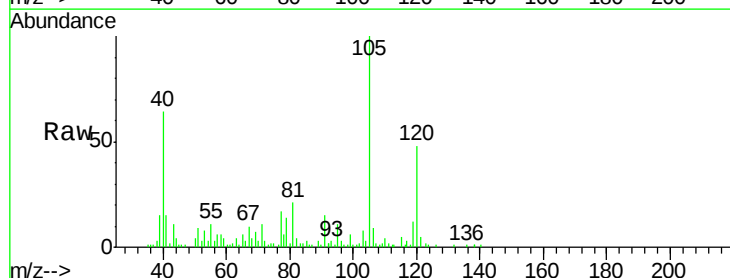
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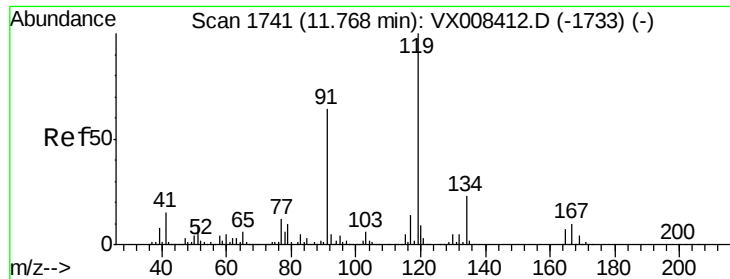
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#80
 1,3,5-Trimethylbenzene
 Concen: 1.405 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX008441.D
 Acq: 26 Mar 2019 03:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.4	70.3





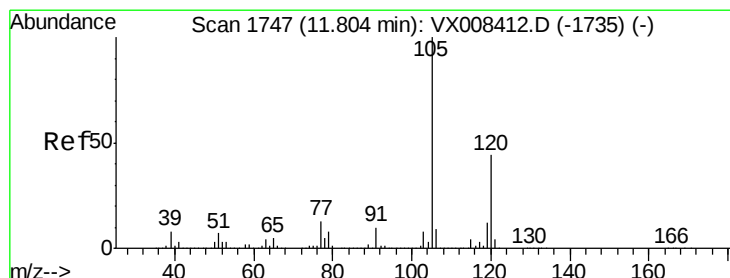
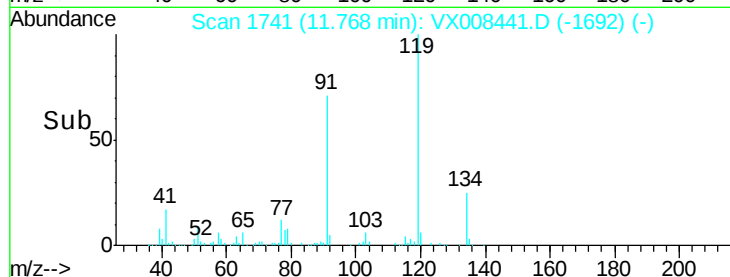
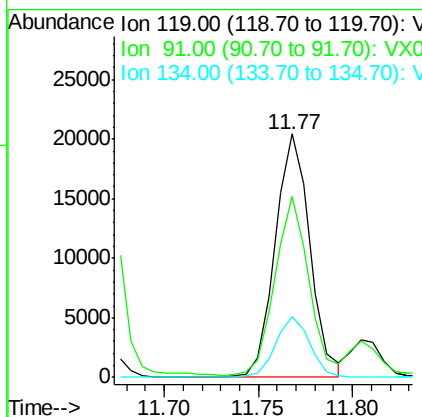
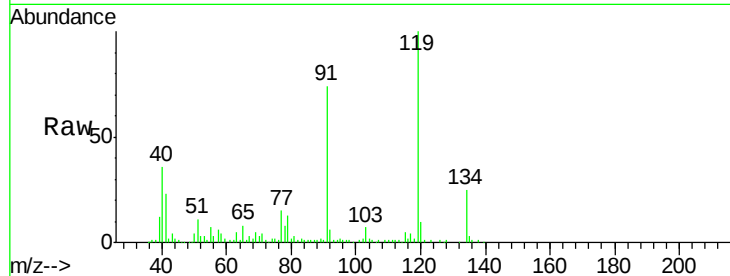
#83
tert-Butylbenzene
Concen: 2.838 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX008441.D
Acq: 26 Mar 2019 03:35

Instrument :
MSVOA_X
ClientSampled :
MW-3

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.1	30.1	90.3
134	24.3	10.9	32.9

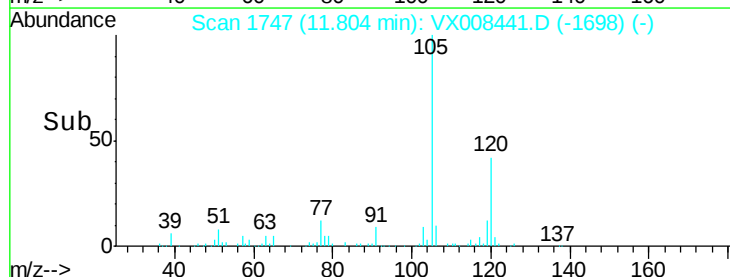
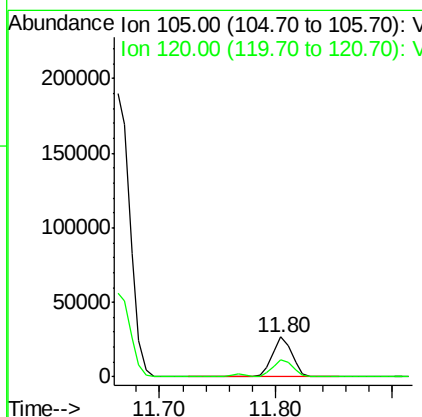
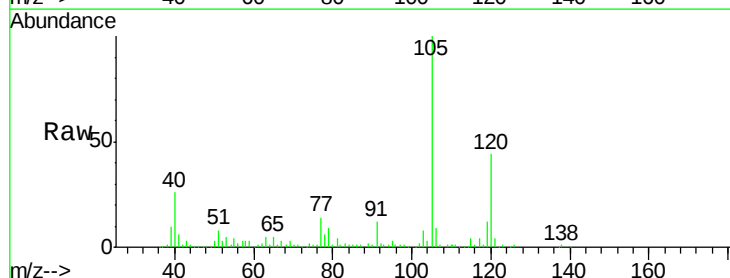
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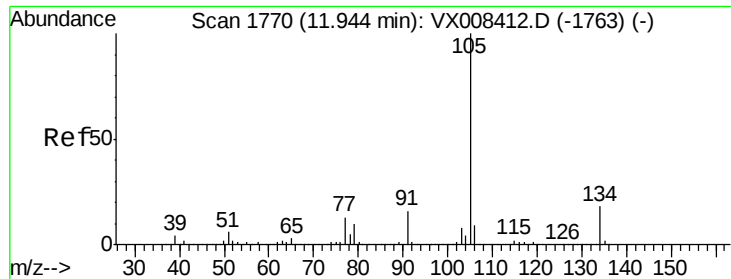
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#84
1,2,4-Trimethylbenzene
Concen: 3.263 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008441.D
Acq: 26 Mar 2019 03:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.6	65.0





#85

sec-Butylbenzene

Concen: 7.060 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_X

ClientSampleId :

MW-3

Tot Ion:105 Resp: 77516

Ion Ratio Lower Upper

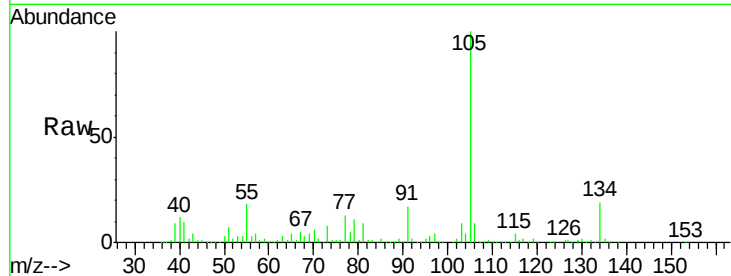
105 100

134 16.7 9.3 28.0

Manual Integrations
APPROVED

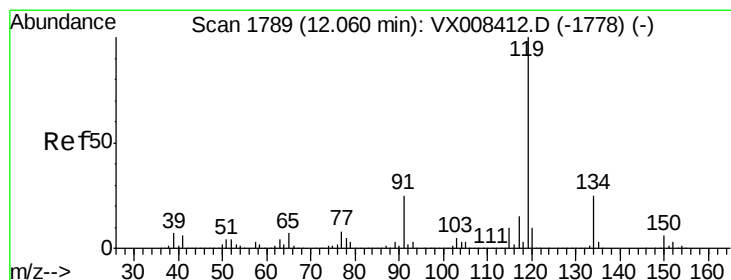
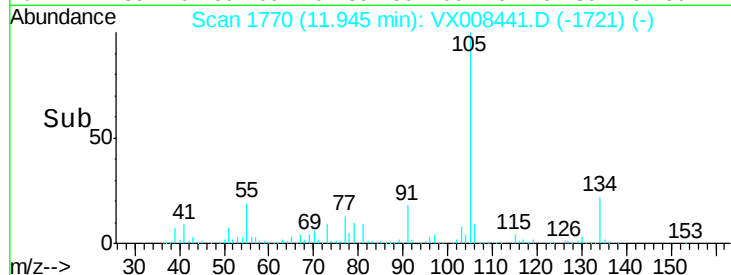
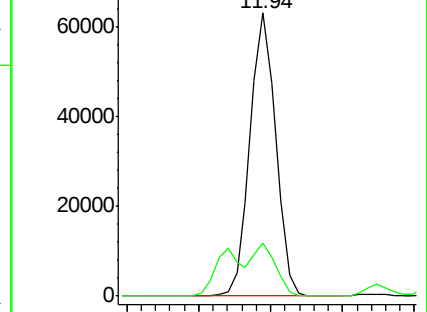
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.250 ug/l m

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

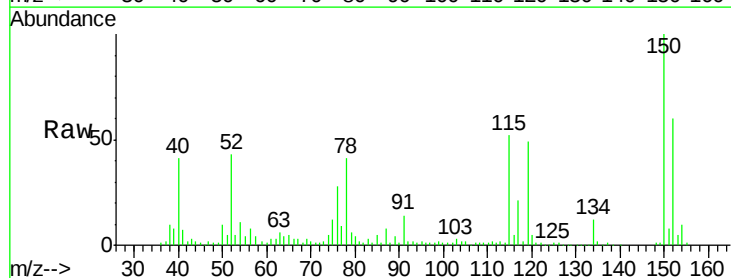
Tgt Ion:119 Resp: 12111

Ion Ratio Lower Upper

119 100

134 80.9 12.8 38.4#

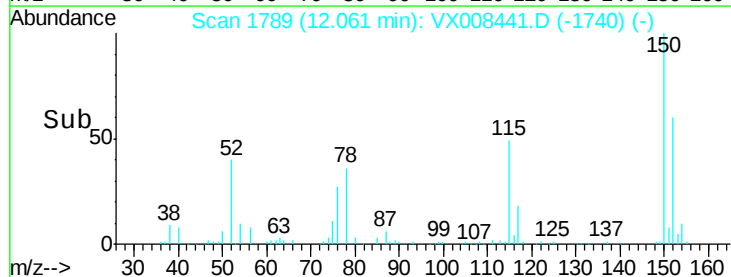
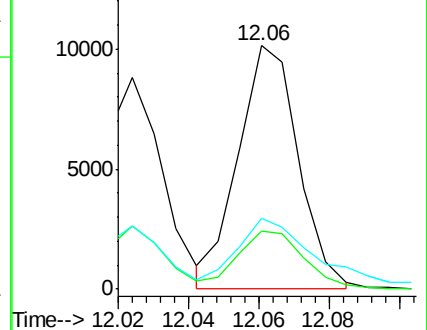
91 76.3 12.4 37.0#

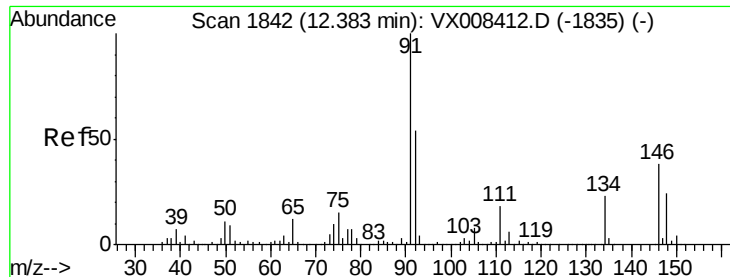


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 7.055 ug/l m

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Instrument :

MSVOA_X

ClientSampled :

MW-3

Tot Ion: 91 Resp: 64744

Ion Ratio Lower Upper

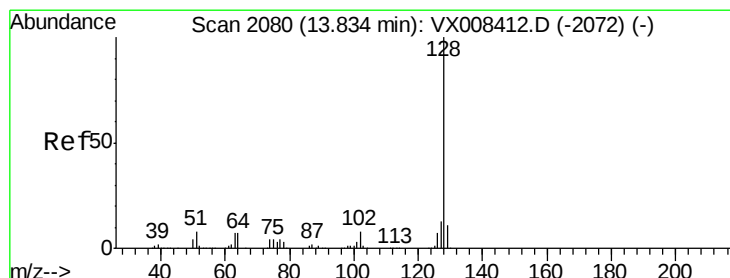
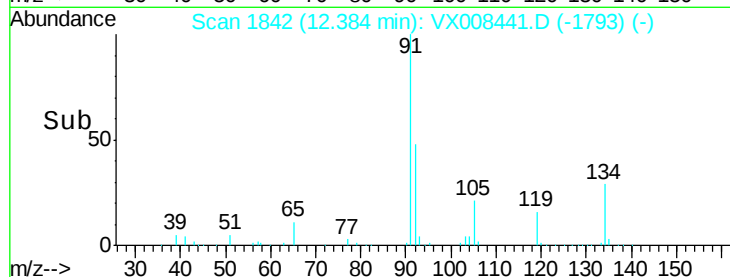
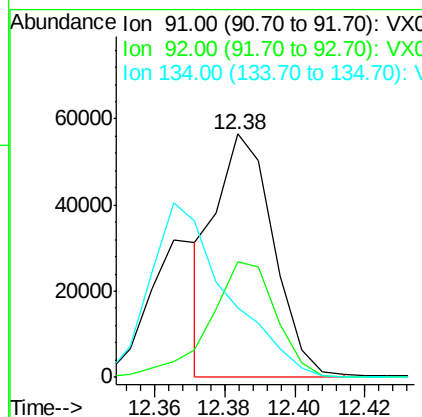
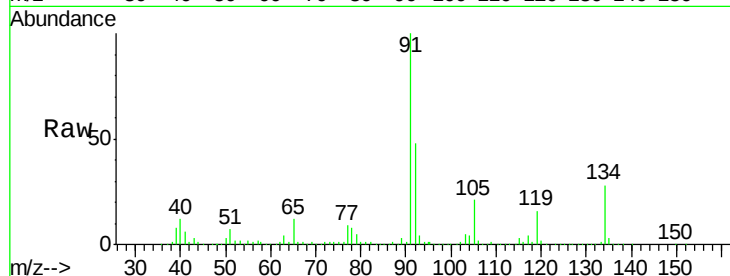
91 100

92 55.2 26.5 79.5

134 95.9 11.8 35.4#

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#95

Naphthalene

Concen: 4.540 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008441.D

Acq: 26 Mar 2019 03:35

Tgt Ion: 128 Resp: 51439

Ion Ratio Lower Upper

128 100

127 15.0 10.4 15.6

129 15.0 8.7 13.1#

