

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111618\
 Data File : VX006050.D
 Acq On : 16 Nov 2018 15:22
 Operator : JC/MD
 Sample : J5965-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Manual Integrations
 APPROVED

MMDadoda
 11/19/2018 12:22:48 PM

Quant Time: Nov 17 02:31:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	155450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	221473	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	202397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	92624	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	82584	46.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.42%	
35) Dibromofluoromethane	5.51	113	71668	47.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.16%	
50) Toluene-d8	8.71	98	255058	50.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.86%	
62) 4-Bromofluorobenzene	11.14	95	86276	47.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.84%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.06	59	84056	164.190	ug/l	100
16) Acetone	2.45	43	9823	10.209	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	111915	23.865	ug/l #	48
22) Diisopropyl ether	3.87	45	8060	1.499	ug/l #	76
31) Cyclohexane	5.58	56	70408	28.281	ug/l #	91
39) Methylcyclohexane	7.46	83	24741	11.433	ug/l #	74
40) Benzene	6.15	78	1020204	163.911	ug/l	100
52) Toluene	8.79	92	21015	6.041	ug/l	98
65) Chlorobenzene	10.14	112	1750	0.432	ug/l	96
67) Ethyl Benzene	10.26	91	443159	68.160	ug/l	96
68) m/p-Xylenes	10.36	106	13697	5.523	ug/l	99
69) o-Xylene	10.69	106	4152	1.867	ug/l	98
73) Isopropylbenzene	11.02	105	77071	14.389	ug/l	100
78) n-propylbenzene	11.36	91	173470	27.480	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	2001m	0.440	ug/l	
83) tert-Butylbenzene	11.77	119	2831	0.615	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	15005	2.874	ug/l	97
85) sec-Butylbenzene	11.94	105	29618	5.260	ug/l	96
86) p-Isopropyltoluene	12.07	119	3836m	0.769	ug/l	
89) n-Butylbenzene	12.39	91	24846m	5.375	ug/l	
95) Naphthalene	13.83	128	141464	21.906	ug/l	98

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

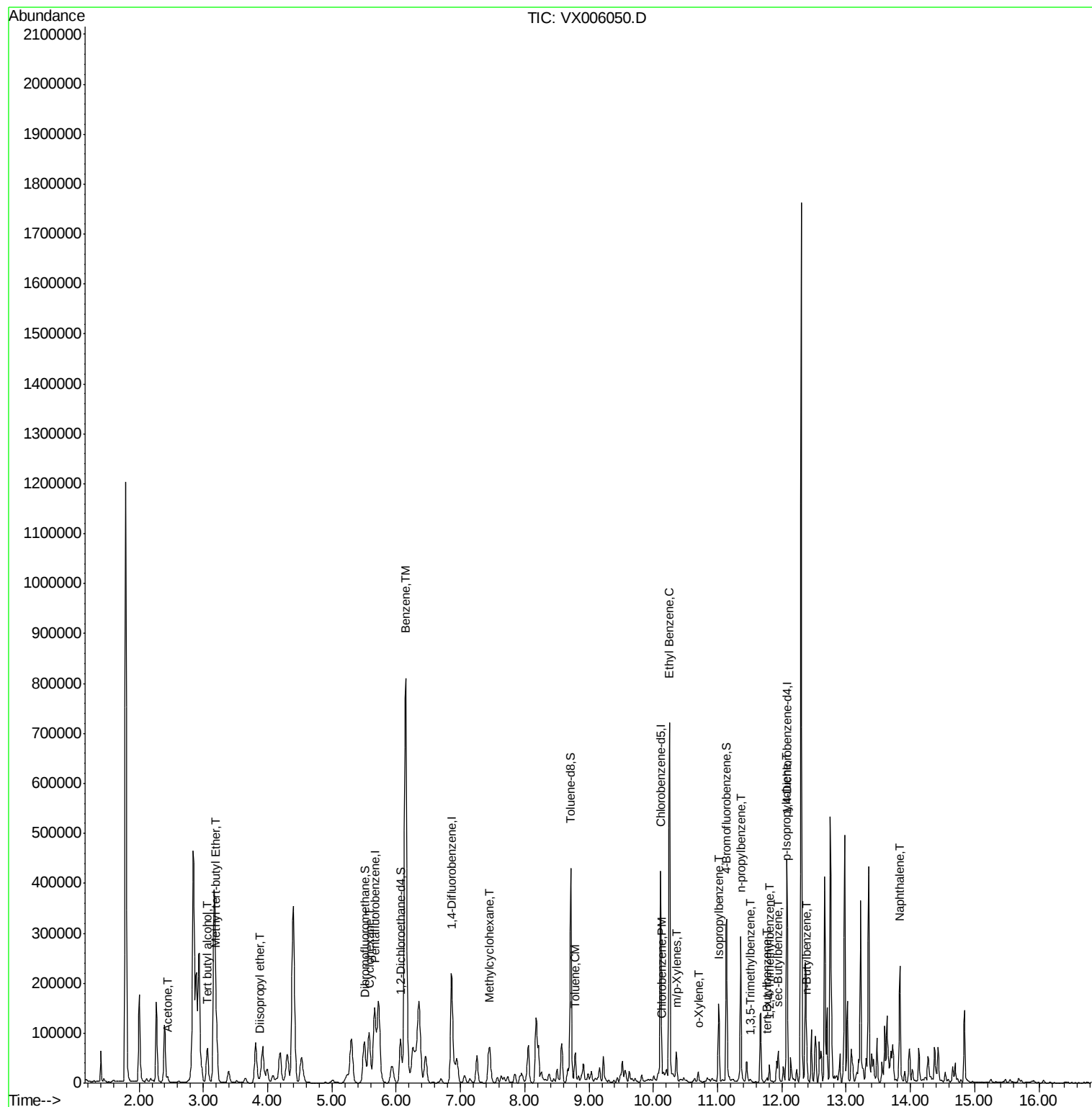
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111618\
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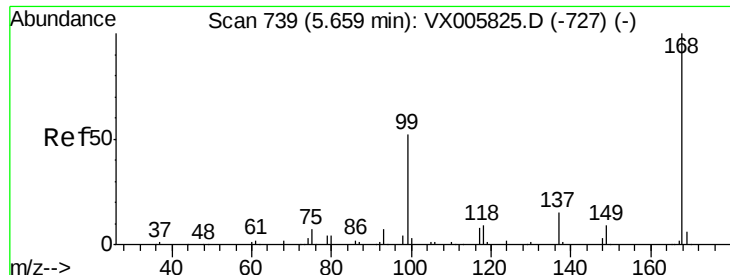
Instrument :
MSVOA_X
ClientSampleId :
MW-2

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Quant Time: Nov 17 02:31:08 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
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: VX006050.D

Acq: 16 Nov 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

MW-2

Tot Ion:168 Resp: 155450

Ion Ratio Lower Upper

168 100

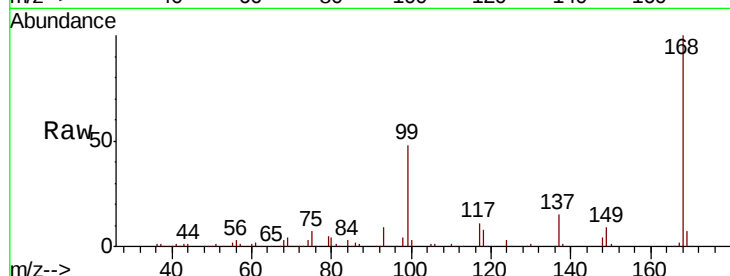
99 48.0 40.7 61.1

Manual Integrations

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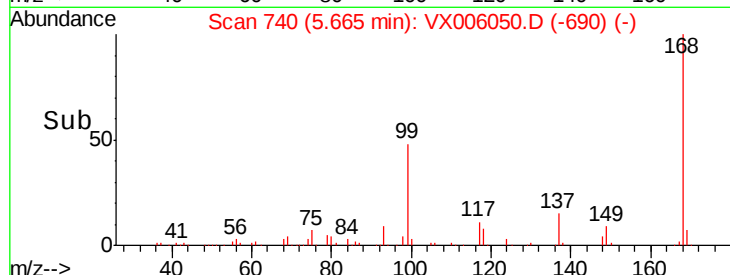


Abundance Ion 167.90 (167.60 to 168.60): V

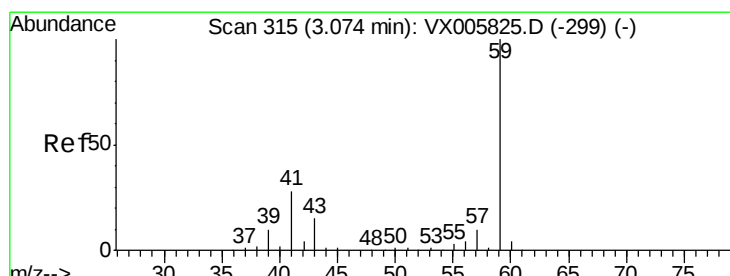
Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



Time-->



#11

Tert butyl alcohol

Concen: 164.190 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX006050.D

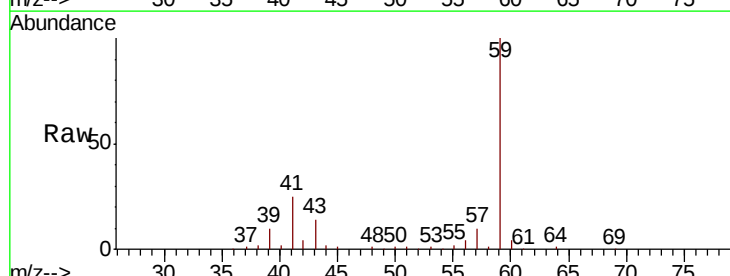
Acq: 16 Nov 2018 15:22

Tgt Ion: 59 Resp: 84056

Ion Ratio Lower Upper

59 100

57 10.7 8.5 12.7

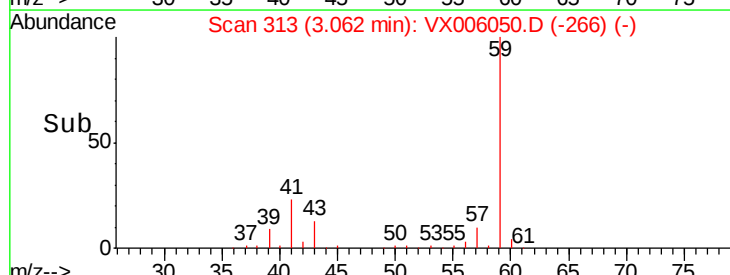


Abundance Ion 59.00 (58.70 to 59.70): VX0

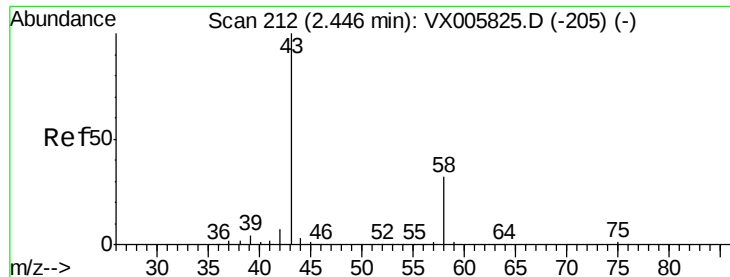
Ion 57.00 (56.70 to 57.70): VX0

3.06

Time-->



Time-->



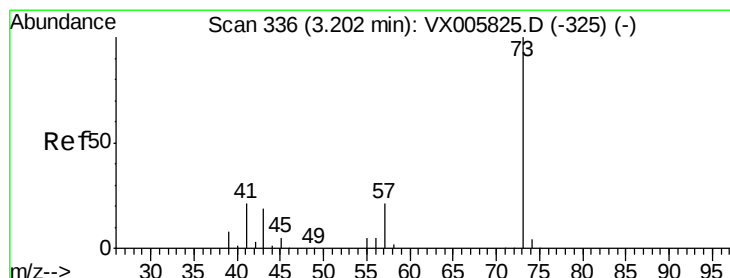
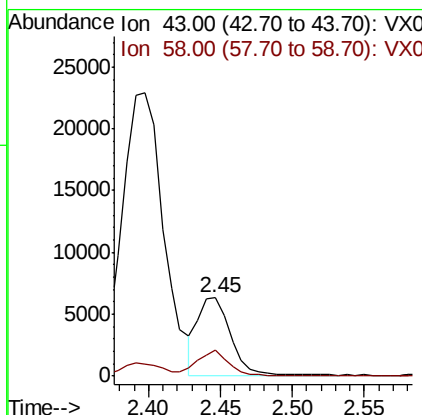
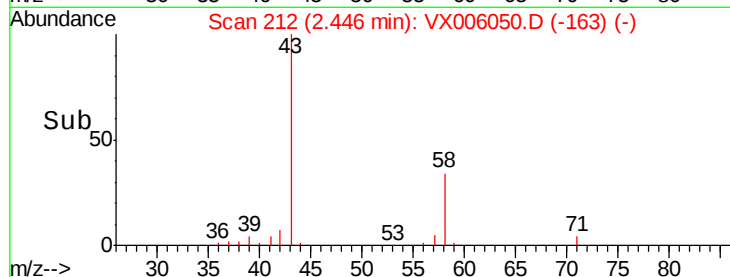
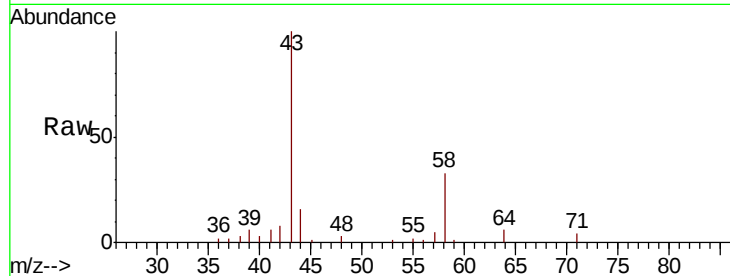
#16
Acetone
Concen: 10.209 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006050.D
Acq: 16 Nov 2018 15:22

Instrument :
MSVOA_X
ClientSampled :
MW-2

Tot Ion: 43 Resp: 9823
Ion Ratio Lower Upper
43 100
58 33.7 23.8 35.6

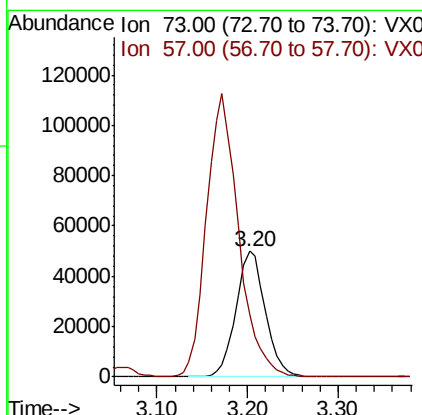
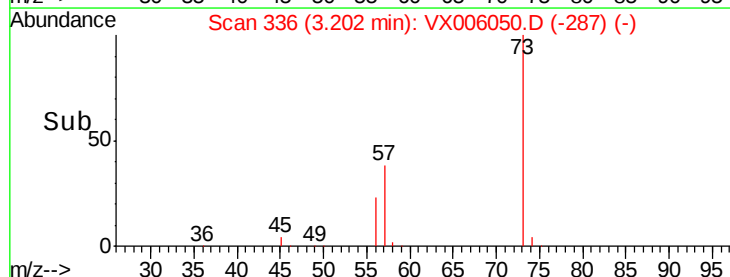
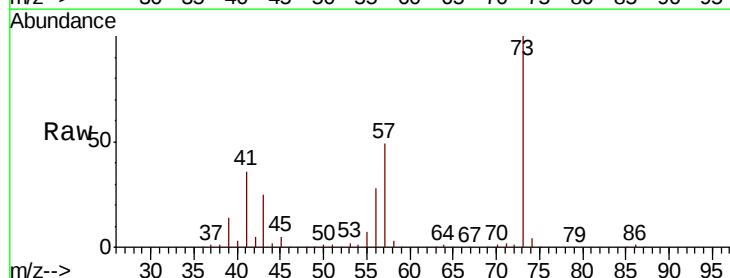
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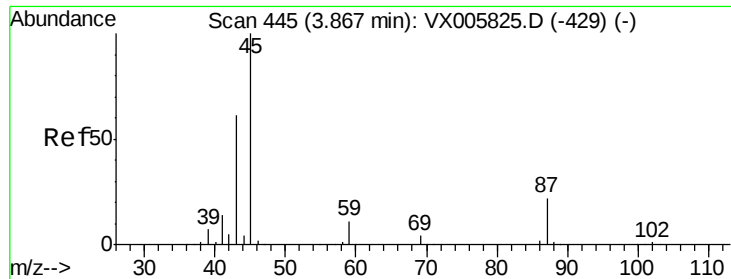
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#19
Methyl tert-butyl Ether
Concen: 23.865 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006050.D
Acq: 16 Nov 2018 15:22

Tgt Ion: 73 Resp: 111915
Ion Ratio Lower Upper
73 100
57 49.1 18.8 28.2#





#22

Diisopropyl ether

Concen: 1.499 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX006050.D

Acq: 16 Nov 2018 15:22

Instrument :

MSVOA_X

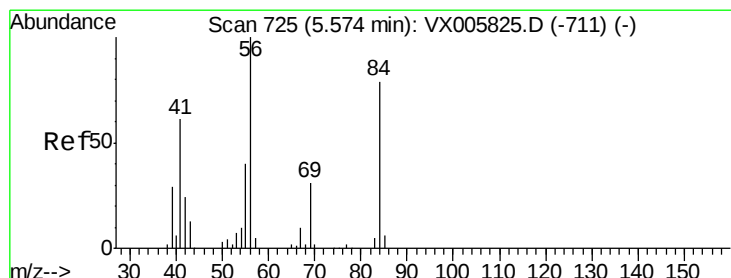
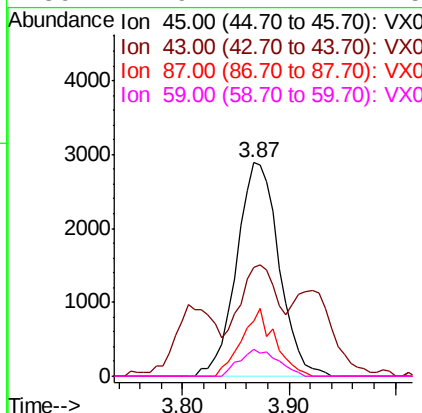
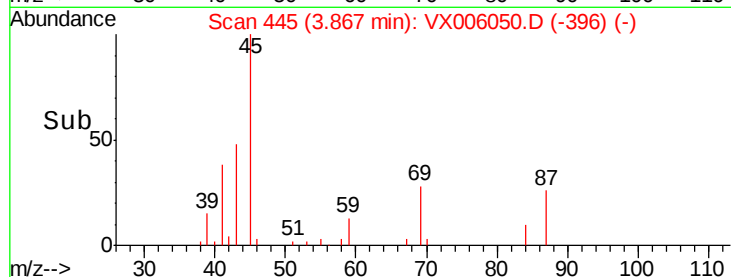
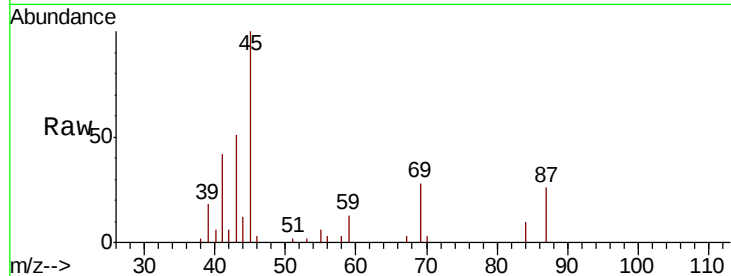
ClientSampleId :

MW-2

Tot Ion:	45	Resp:	8060
Ion	Ratio	Lower	Upper
45	100		
43	36.9	47.4	71.2#
87	25.6	15.9	23.9#
59	12.9	7.7	11.5#

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#31

Cyclohexane

Concen: 28.281 ug/l

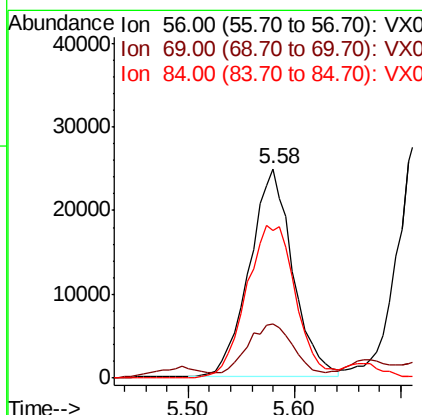
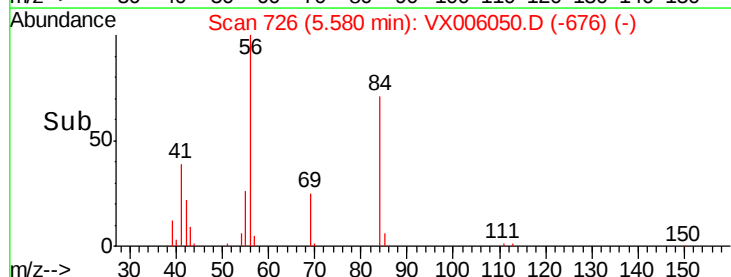
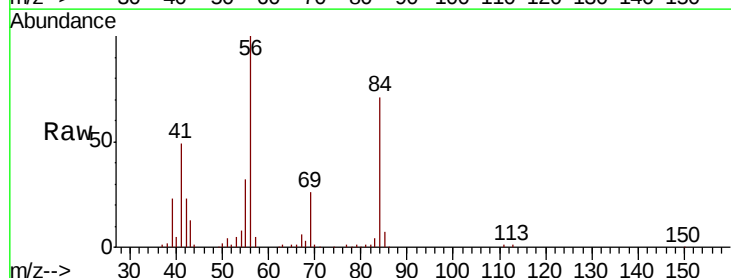
RT: 5.58 min Scan# 726

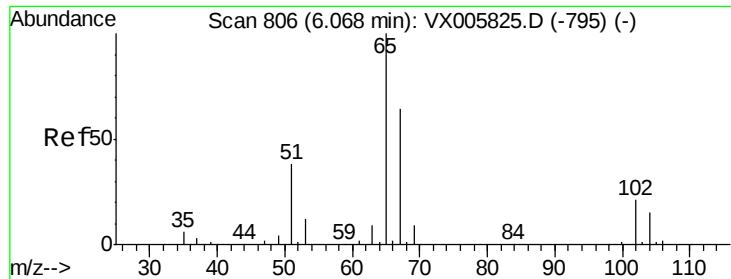
Delta R.T. 0.01 min

Lab File: VX006050.D

Acq: 16 Nov 2018 15:22

Tgt Ion:	56	Resp:	70408
Ion	Ratio	Lower	Upper
56	100		
69	22.4	22.6	34.0#
84	71.1	62.7	94.1





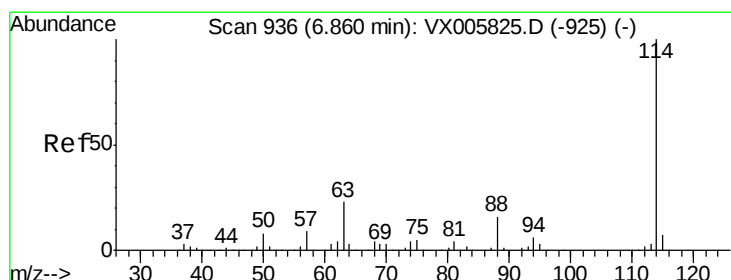
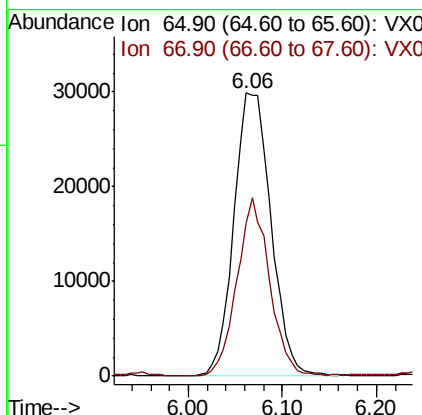
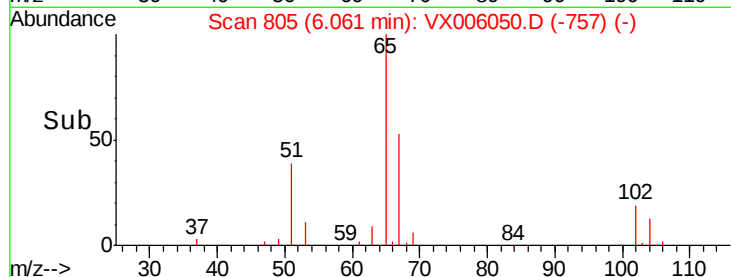
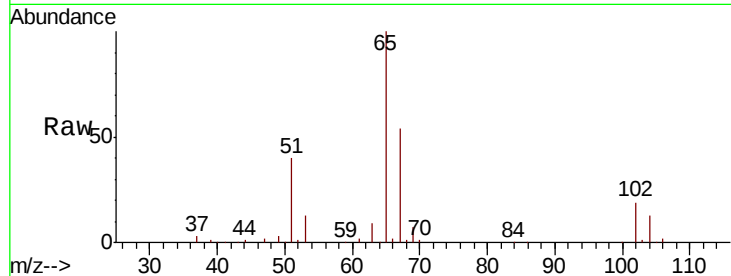
#33
 1,2-Dichloroethane-d4
 Concen: 46.211 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX006050.D
 Acq: 16 Nov 2018 15:22

Instrument :
 MSVOA_X
 ClientSampled :
 MW-2

Tot Ion: 65 Resp: 82584
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 105.0

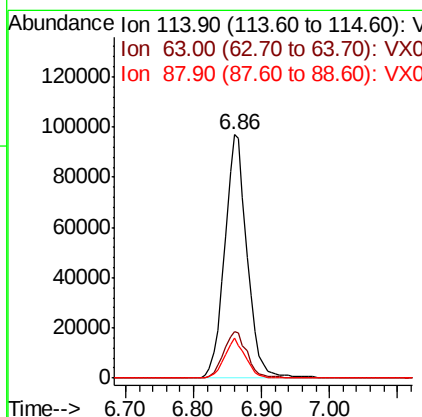
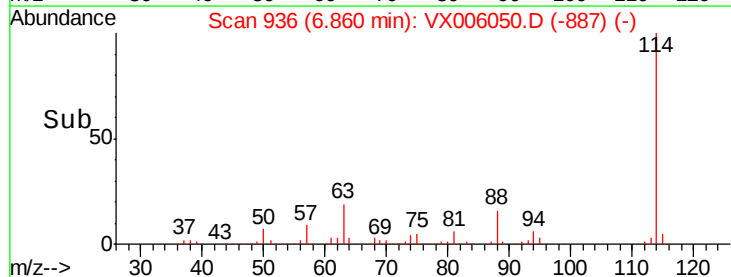
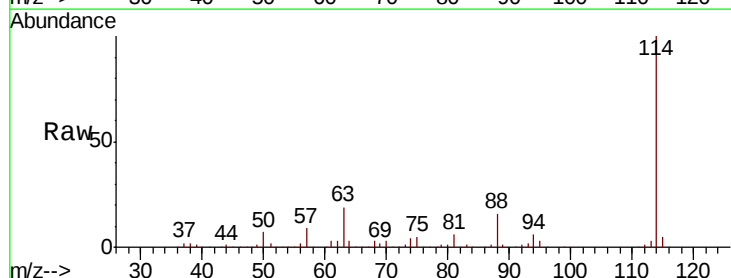
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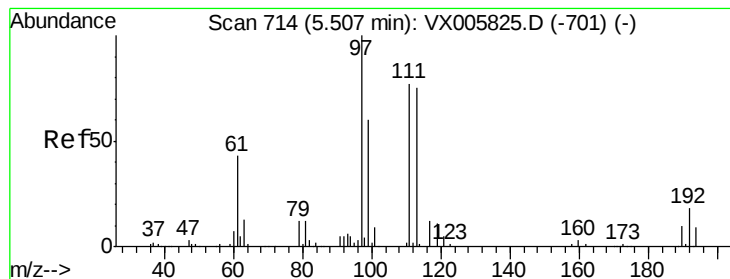
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006050.D
 Acq: 16 Nov 2018 15:22

Tgt Ion: 114 Resp: 221473
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 42.8
 88 16.3 0.0 31.2





#35

Dibromofluoromethane

Concen: 47.577 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX006050.D

Acq: 16 Nov 2018 15:22

Instrument :

MSVOA_X

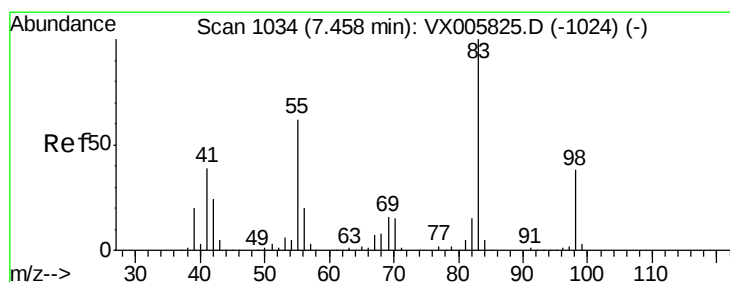
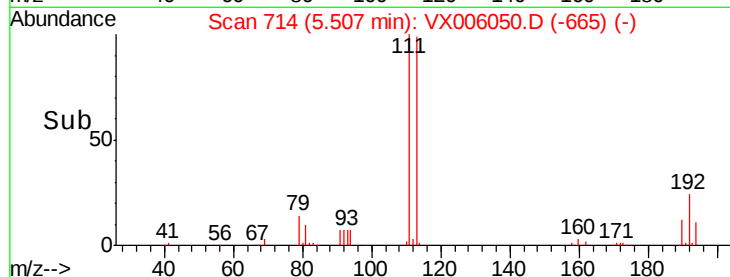
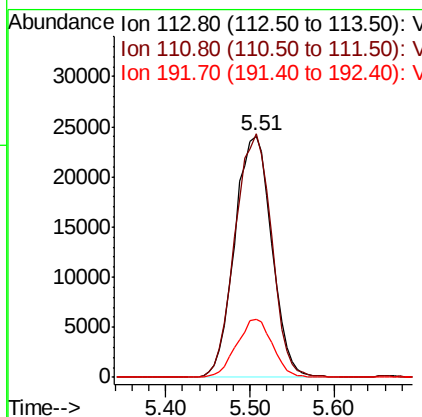
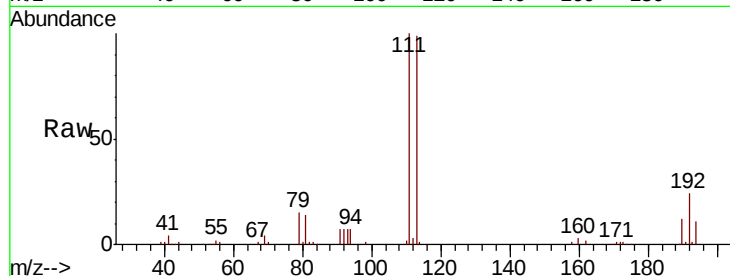
ClientSampled :

MW-2

Tot Ion:	113	Resp:	71668
Ion	Ratio	Lower	Upper
113	100		
111	99.7	82.3	123.5
192	23.3	17.9	26.9

Manual Integrations
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#39

Methylcyclohexane

Concen: 11.433 ug/l

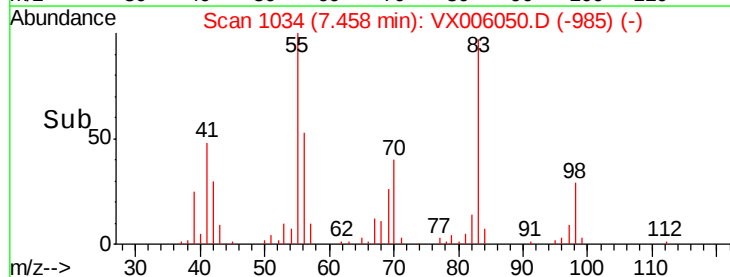
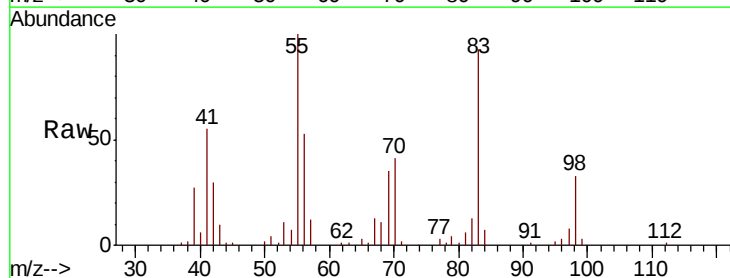
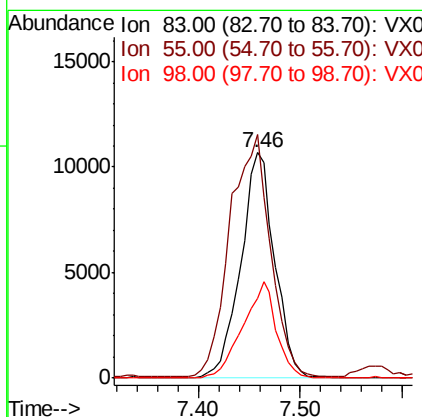
RT: 7.46 min Scan# 1034

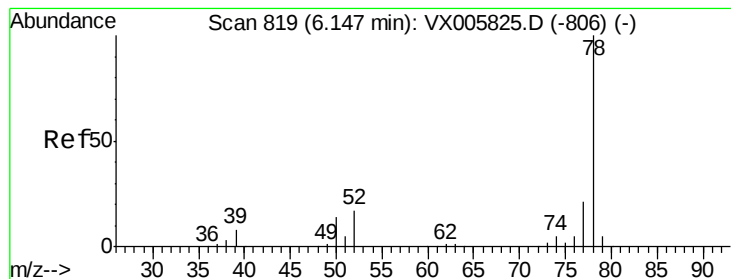
Delta R.T. -0.00 min

Lab File: VX006050.D

Acq: 16 Nov 2018 15:22

Tgt Ion:	83	Resp:	24741
Ion	Ratio	Lower	Upper
83	100		
55	107.6	63.7	95.5#
98	35.5	36.2	54.2#





#40

Benzene

Concen: 163.911 ug/l

RT: 6.15 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX006050.D

Acq: 16 Nov 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

MW-2

Tot Ion: 78 Resp: 1020204

Ion Ratio Lower Upper

78 100

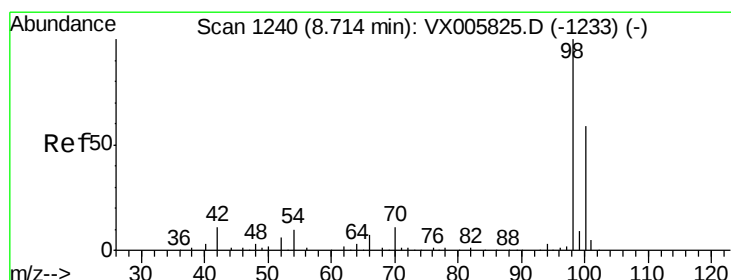
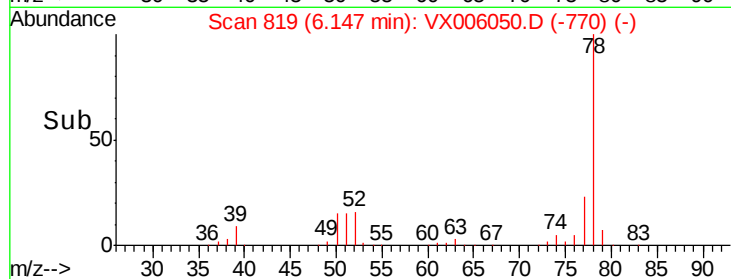
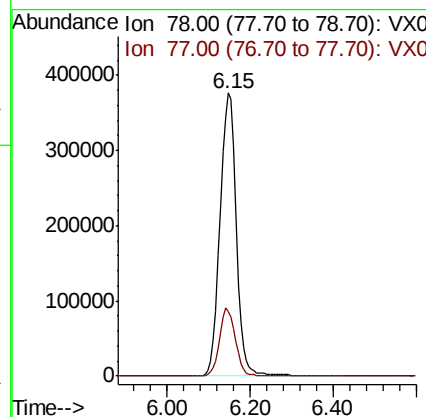
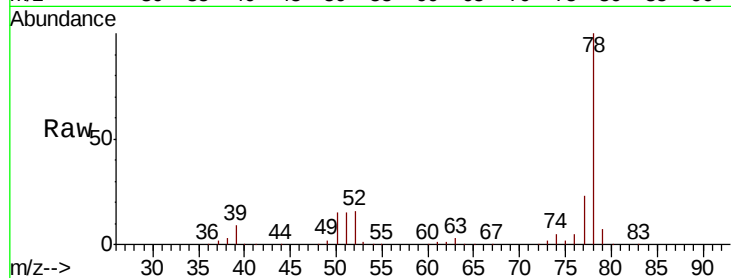
77 23.0 18.4 27.6

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#50

Toluene-d8

Concen: 50.930 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006050.D

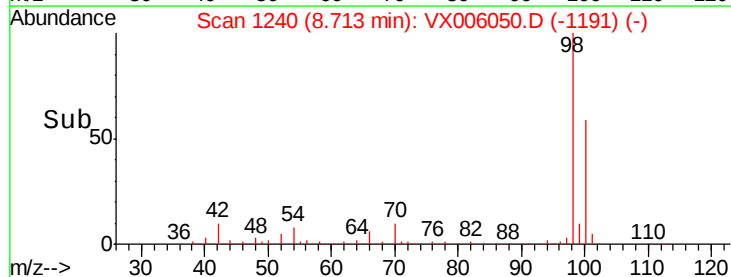
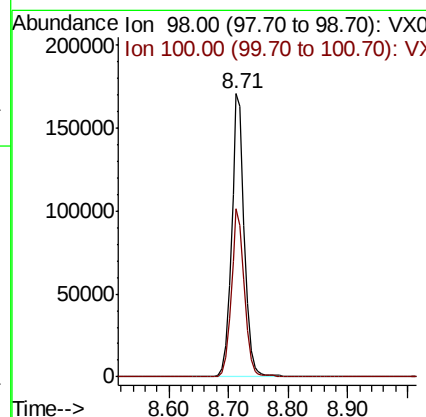
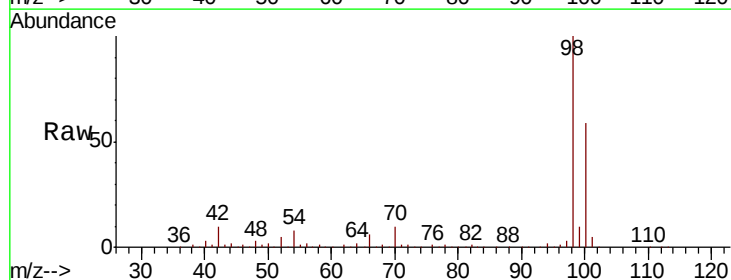
Acq: 16 Nov 2018 15:22

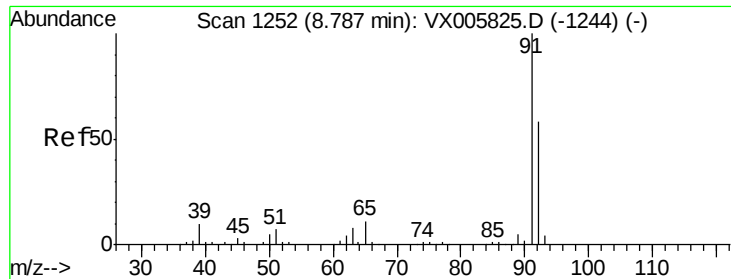
Tgt Ion: 98 Resp: 255058

Ion Ratio Lower Upper

98 100

100 60.6 51.3 76.9





#52

Toluene

Concen: 6.041 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006050.D

Acq: 16 Nov 2018 15:22

Instrument :

MSVOA_X

ClientSampled :

MW-2

Tot Ion: 92 Resp: 21015

Ion Ratio Lower Upper

92 100

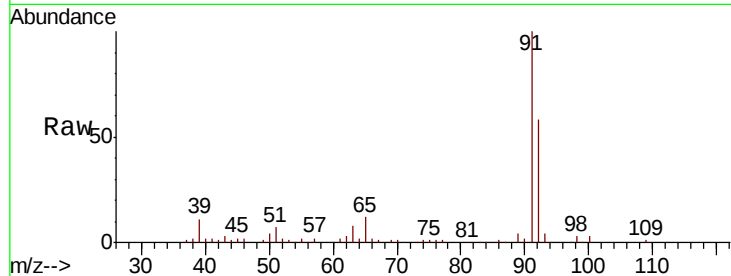
91 173.2 140.4 210.6

Manual Integrations

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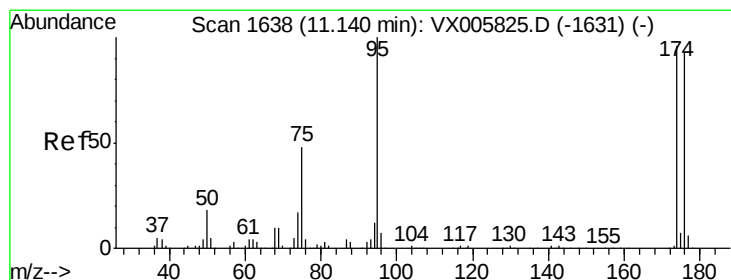
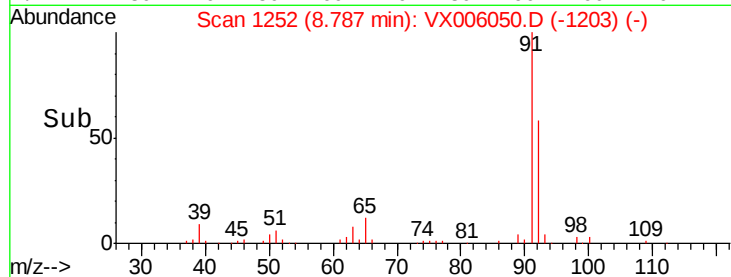
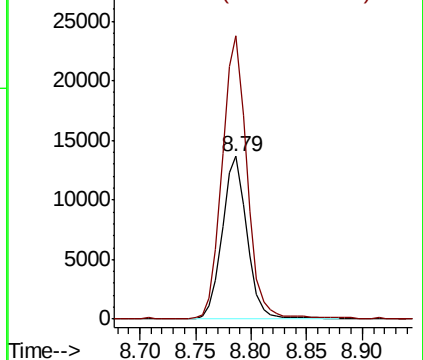
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.916 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006050.D

Acq: 16 Nov 2018 15:22

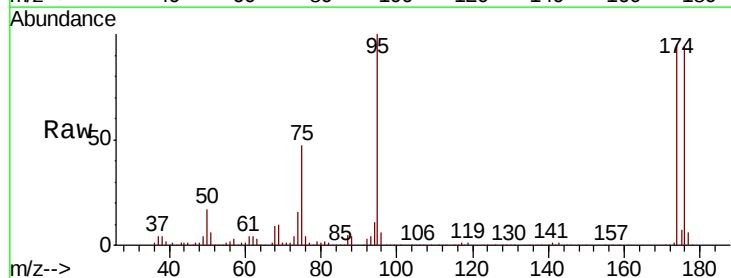
Tgt Ion: 95 Resp: 86276

Ion Ratio Lower Upper

95 100

174 90.3 0.0 184.4

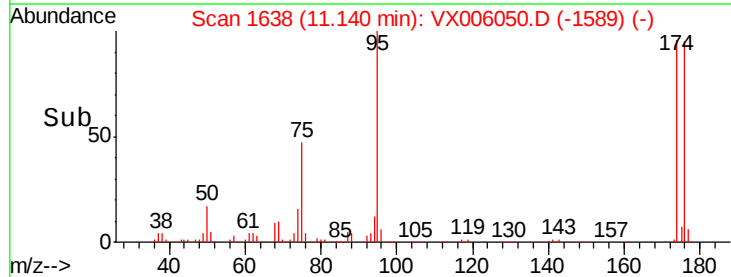
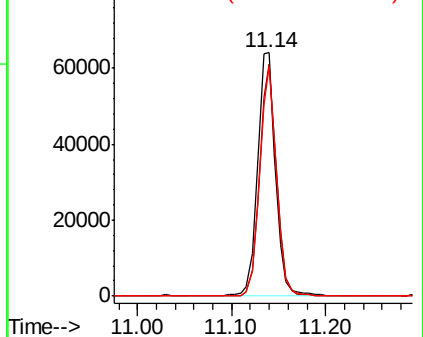
176 88.4 0.0 177.4

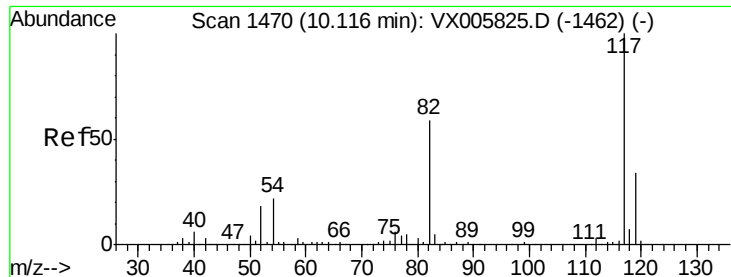


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





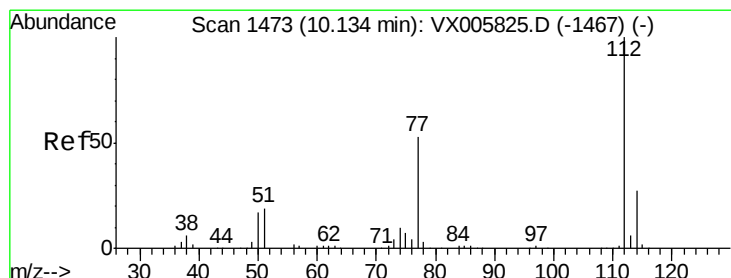
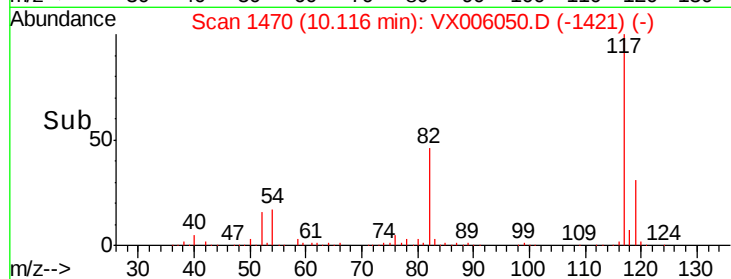
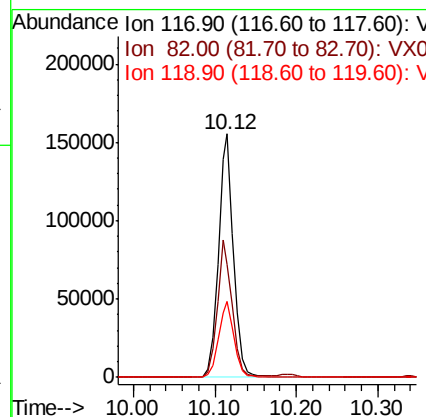
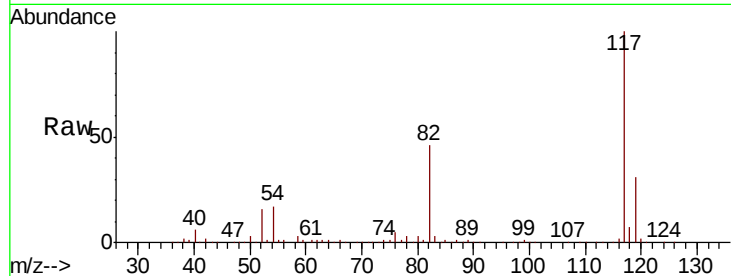
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006050.D
Acq: 16 Nov 2018 15:22

Instrument :
MSVOA_X
ClientSampled :
MW-2

Tot Ion	Ratio	Resp	Lower	Upper
117	100	202397		
82	46.3		44.1	66.1
119	31.3		26.2	39.2

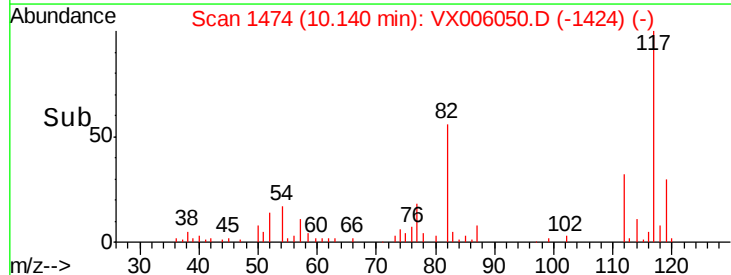
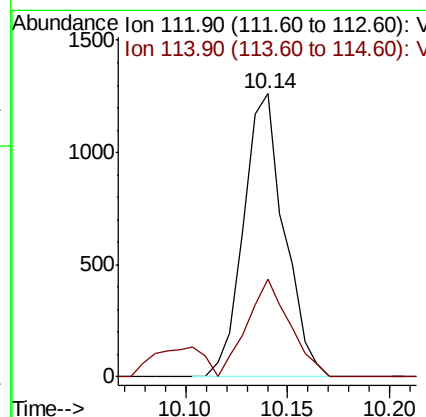
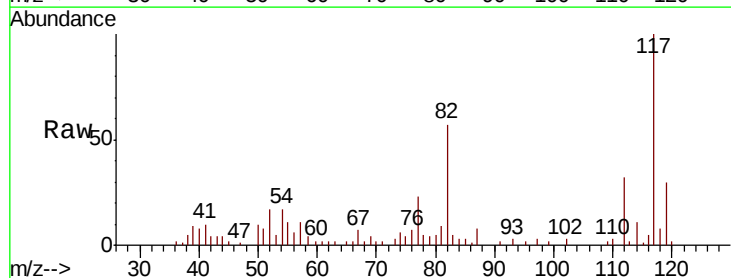
Manual Integrations
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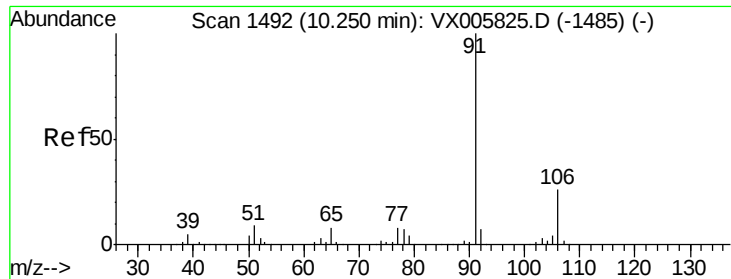
MMDadoda
11/19/2018 12:22:48 PM



#65
Chlorobenzene
Concen: 0.432 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX006050.D
Acq: 16 Nov 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1750		
114	34.3		25.8	38.6





#67

Ethyl Benzene

Concen: 68.160 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VX006050.D

Acq: 16 Nov 2018 15:22

Instrument :

MSVOA_X

ClientSampled :

MW-2

Tot Ion: 91 Resp: 443159

Ion Ratio Lower Upper

91 100

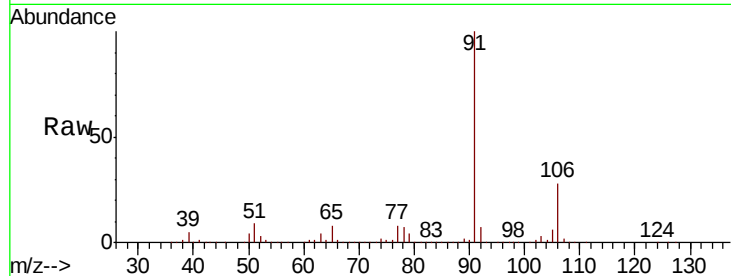
106 28.3 24.4 36.6

Manual Integrations

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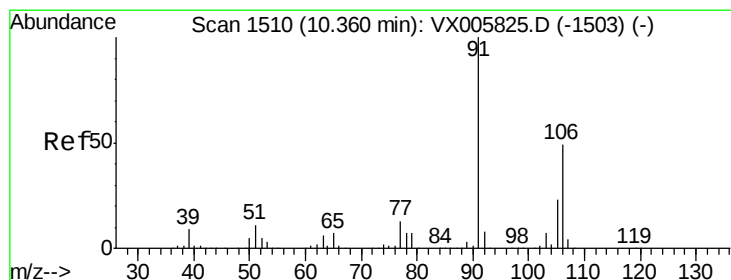
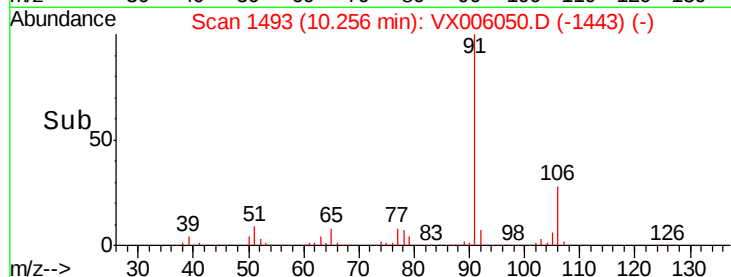
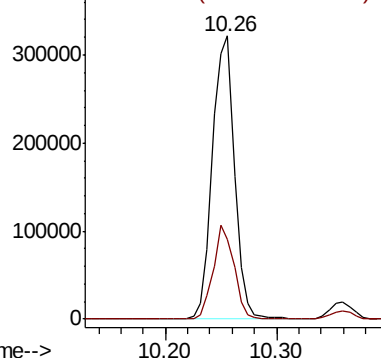
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 5.523 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006050.D

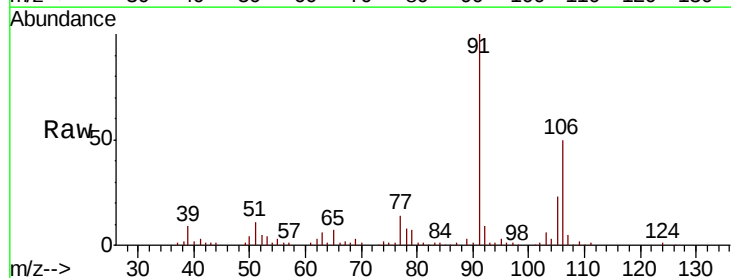
Acq: 16 Nov 2018 15:22

Tgt Ion: 106 Resp: 13697

Ion Ratio Lower Upper

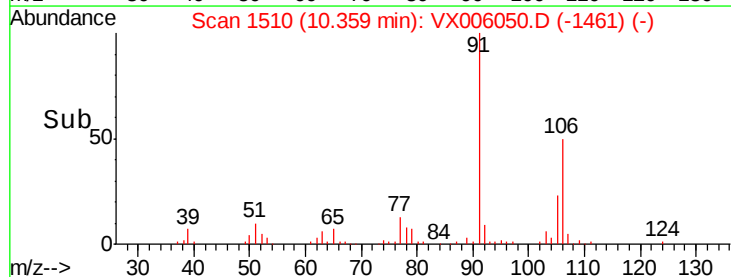
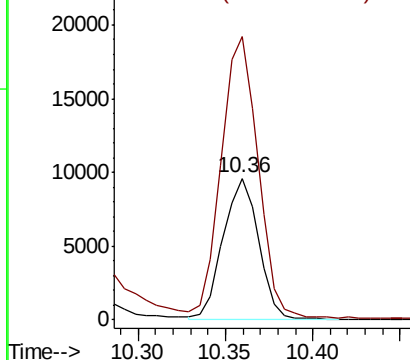
106 100

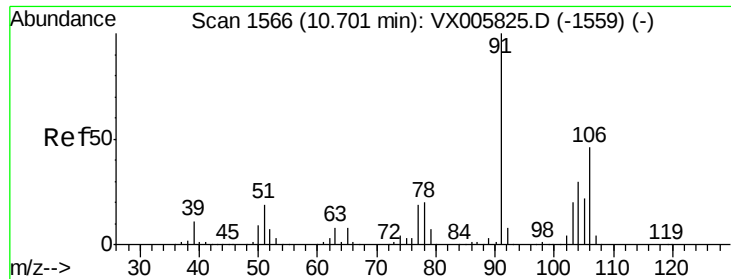
91 203.4 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





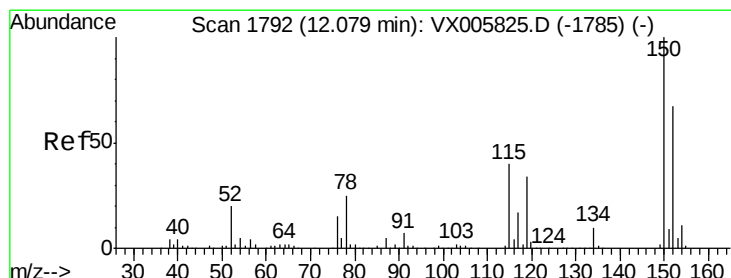
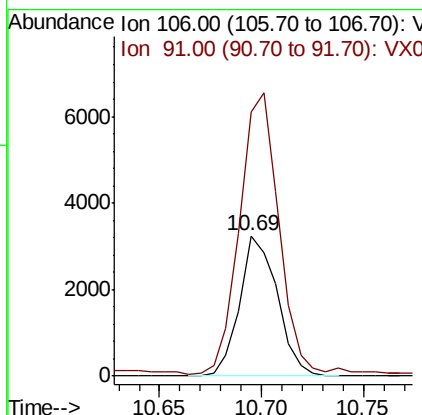
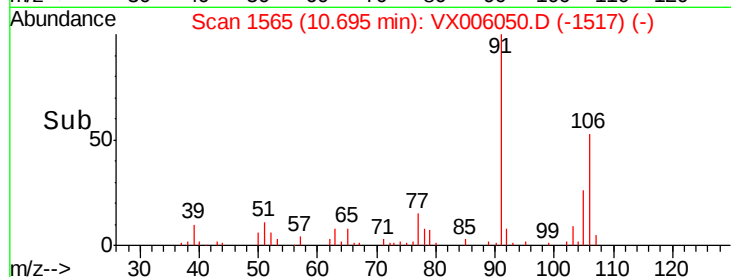
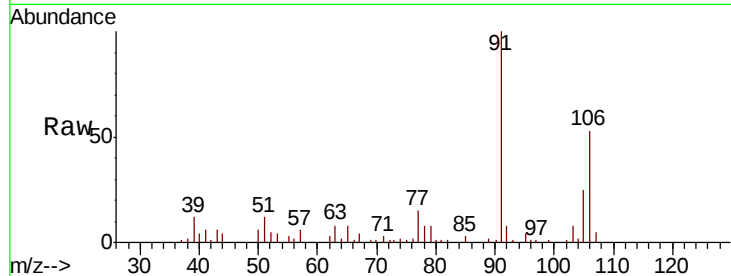
#69
o-Xylene
Concen: 1.867 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006050.D
Acq: 16 Nov 2018 15:22

Instrument :
MSVOA_X
ClientSampled :
MW-2

Tot Ion:106 Resp: 4152
Ion Ratio Lower Upper
106 100
91 213.7 108.5 325.5

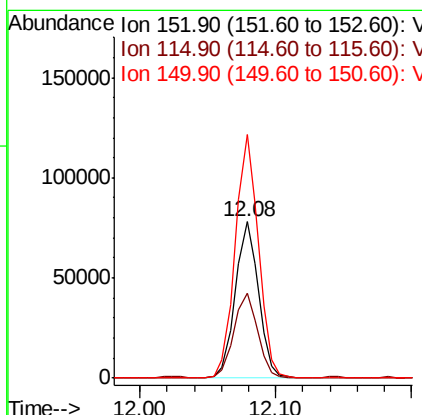
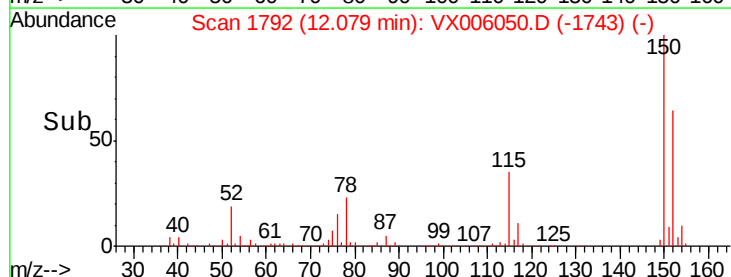
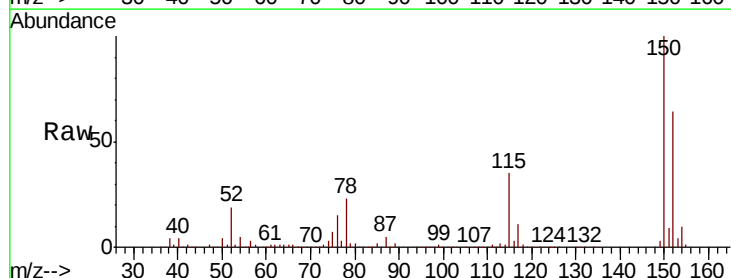
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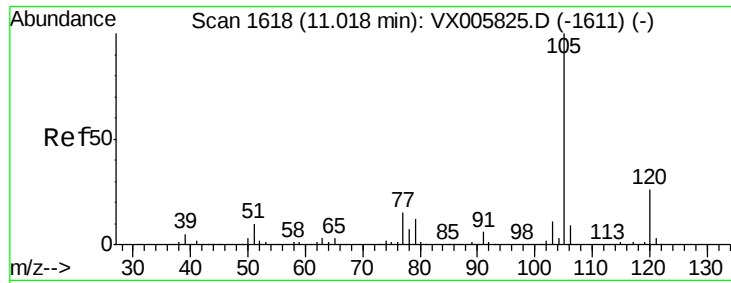
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006050.D
Acq: 16 Nov 2018 15:22

Tgt Ion:152 Resp: 92624
Ion Ratio Lower Upper
152 100
115 55.2 39.4 118.1
150 155.5 0.0 346.4





#73

Isopropylbenzene

Concen: 14.389 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006050.D

Acq: 16 Nov 2018 15:22

Instrument :

MSVOA_X

ClientSampled :

MW-2

Tot Ion: 105 Resp: 77071

Ion Ratio Lower Upper

105 100

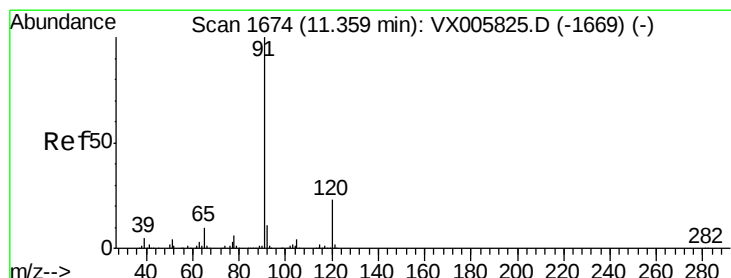
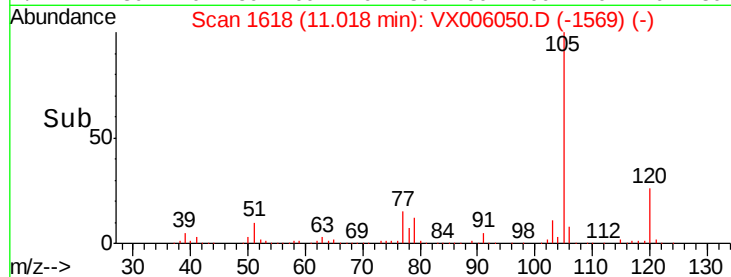
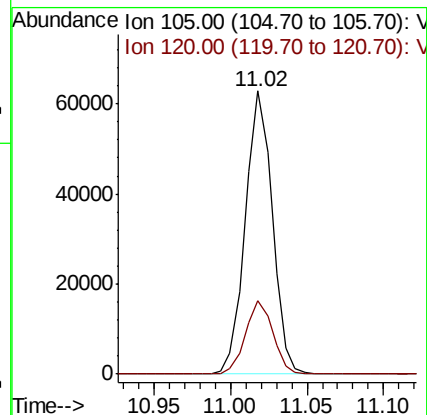
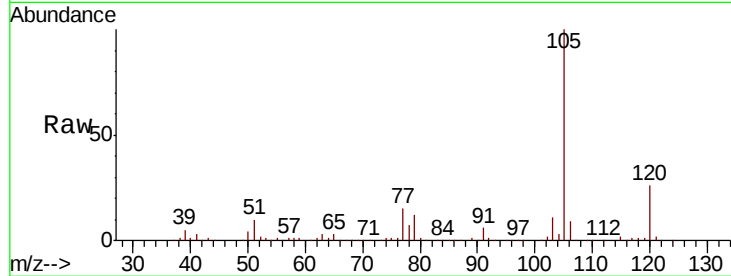
120 26.5 13.1 39.3

Manual Integrations

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#78

n-propylbenzene

Concen: 27.480 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006050.D

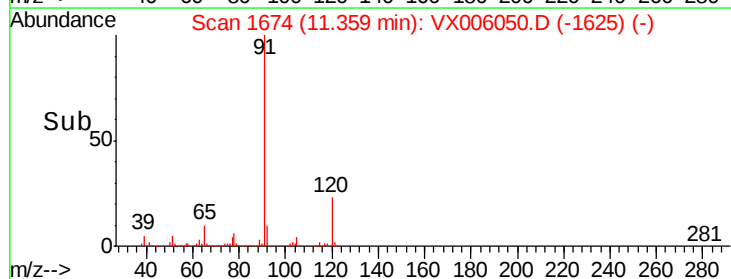
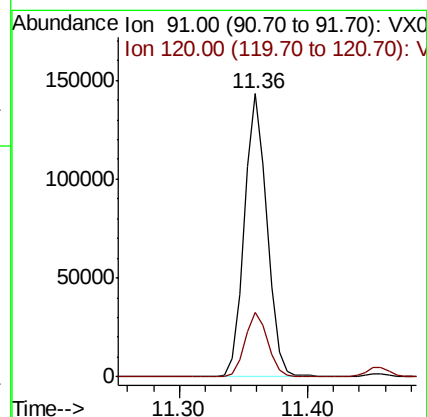
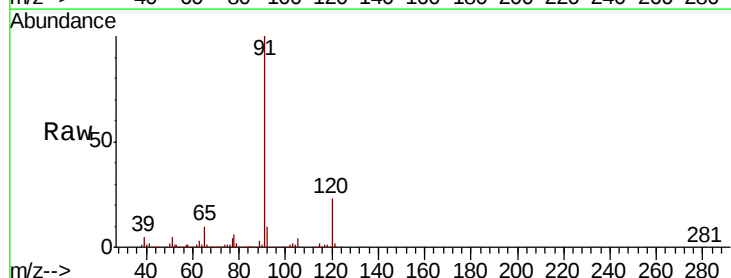
Acq: 16 Nov 2018 15:22

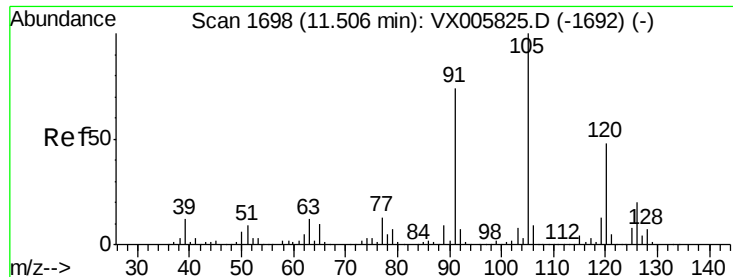
Tgt Ion: 91 Resp: 173470

Ion Ratio Lower Upper

91 100

120 22.9 11.9 35.5





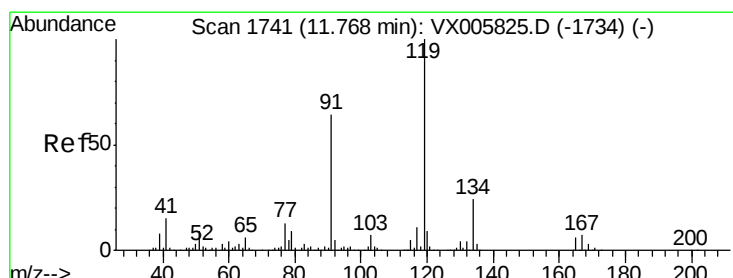
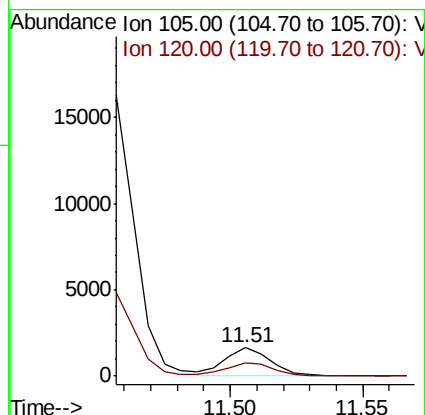
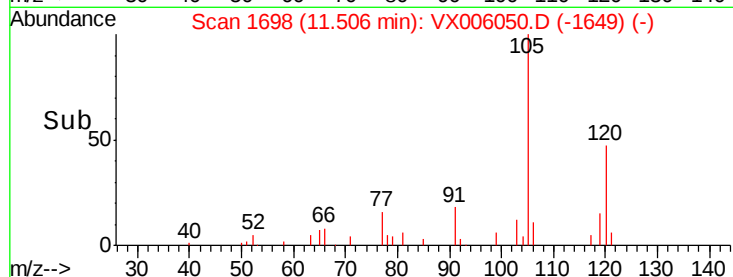
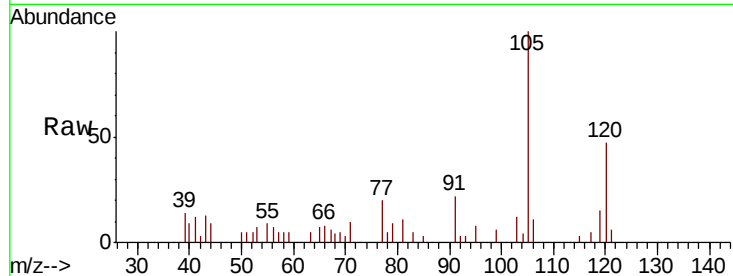
#80
1,3,5-Trimethylbenzene
Concen: 0.440 ug/l m
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX006050.D
Acq: 16 Nov 2018 15:22

Instrument :
MSVOA_X
ClientSampled :
MW-2

Tot Ion:105 Resp: 2001
Ion Ratio Lower Upper
105 100
120 334.1 24.1 72.2#

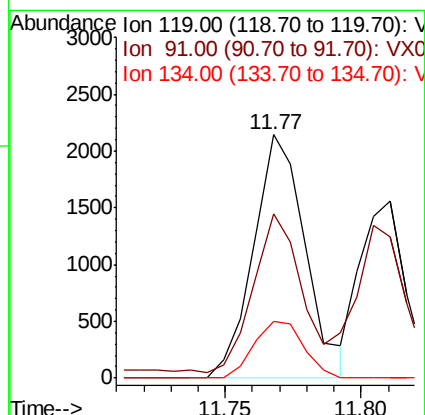
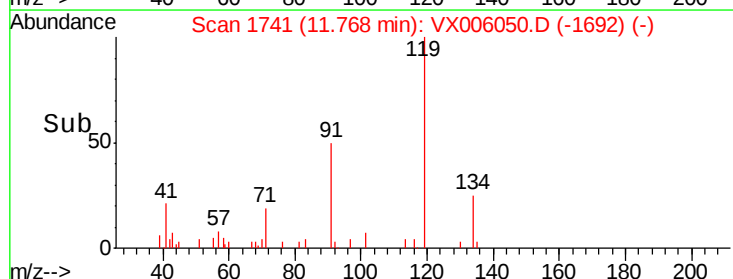
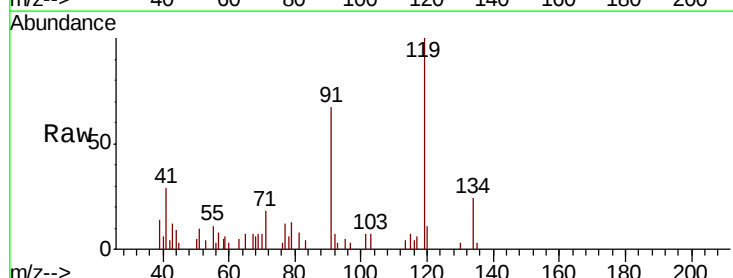
Manual Integrations
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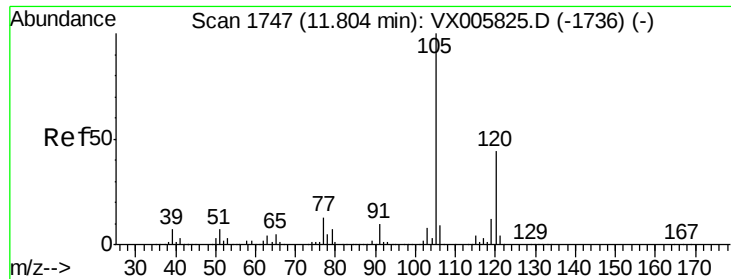
MMDadoda
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#83
tert-Butylbenzene
Concen: 0.615 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX006050.D
Acq: 16 Nov 2018 15:22

Tgt Ion:119 Resp: 2831
Ion Ratio Lower Upper
119 100
91 61.1 28.5 85.5
134 22.2 11.3 33.8





#84

1,2,4-Trimethylbenzene

Concen: 2.874 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006050.D

Acq: 16 Nov 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

MW-2

Tot Ion:105 Resp: 15005

Ion Ratio Lower Upper

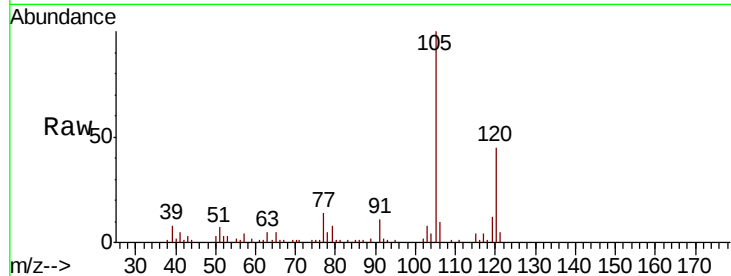
105 100

120 46.9 22.4 67.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.80

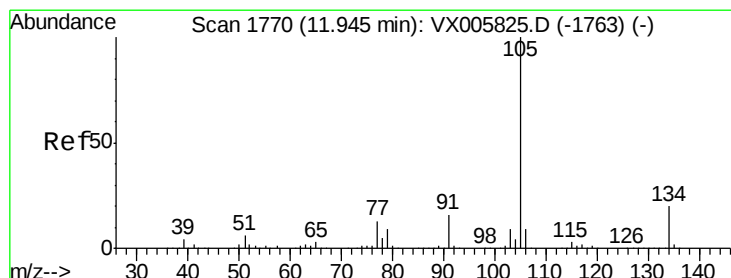
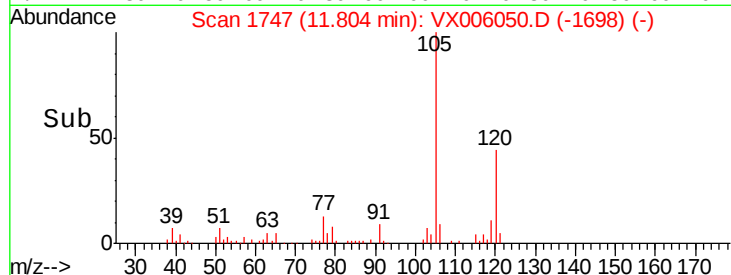
10000

5000

0

Time-->

11.75 11.80 11.85



#85

sec-Butylbenzene

Concen: 5.260 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006050.D

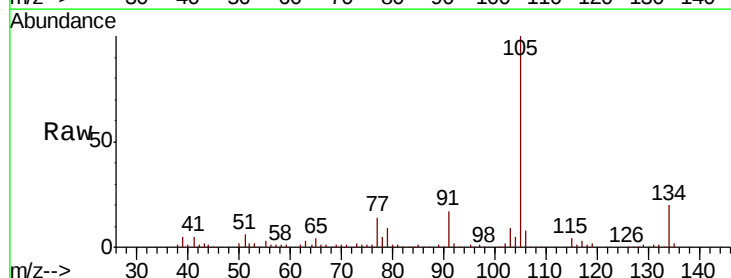
Acq: 16 Nov 2018 15:22

Tgt Ion:105 Resp: 29618

Ion Ratio Lower Upper

105 100

134 18.6 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

25000

20000

15000

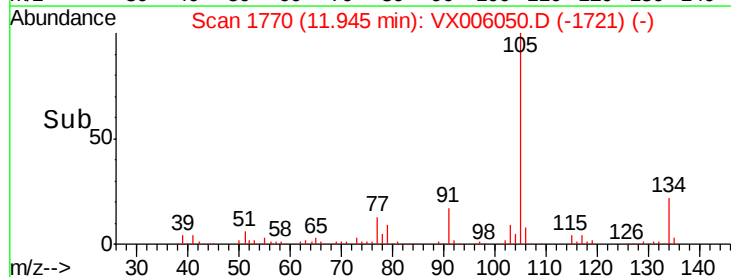
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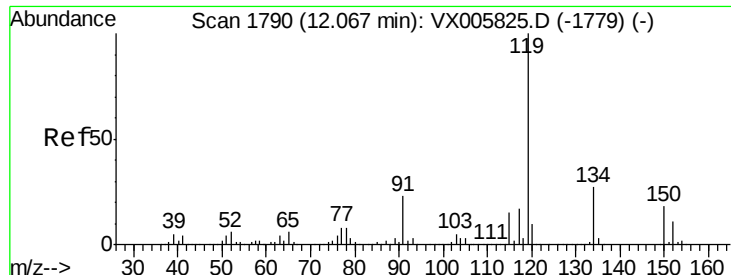
5000

0

Time-->

11.85 11.90 11.95 12.00





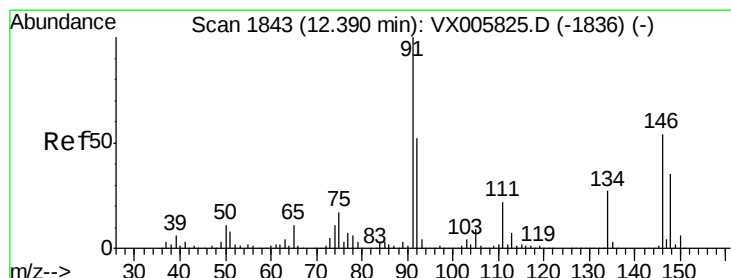
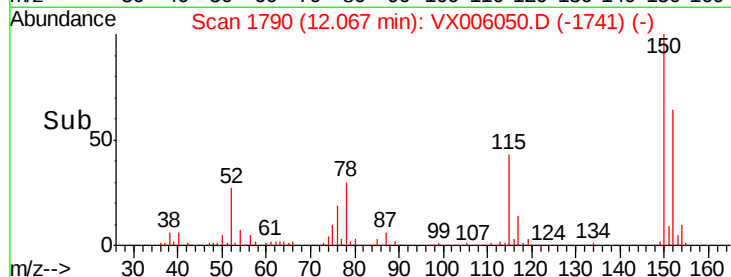
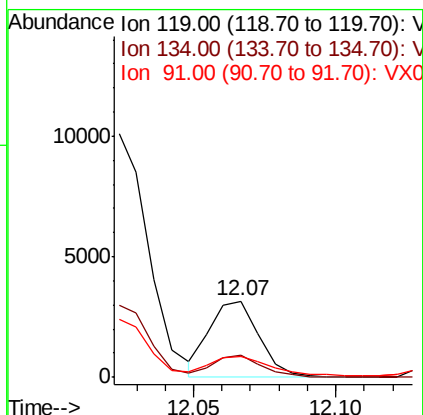
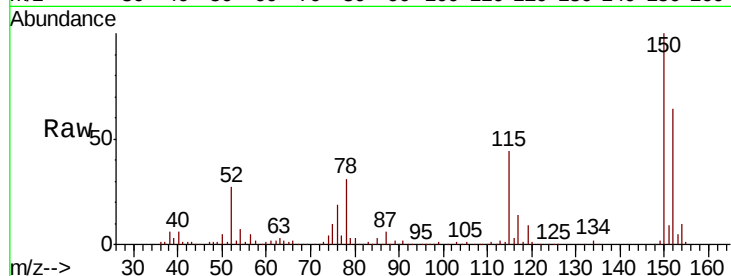
#86
p-Isopropyltoluene
Concen: 0.769 ug/l m
RT: 12.07 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX006050.D
Acq: 16 Nov 2018 15:22

Instrument :
MSVOA_X
ClientSampled :
MW-2

Tot Ion	Ratio	Resp	Lower	Upper
119	100	3836		
134	91.9	13.0	39.0#	
91	0.0	11.4	34.2#	

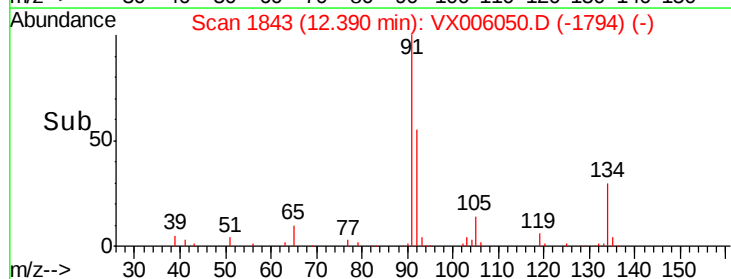
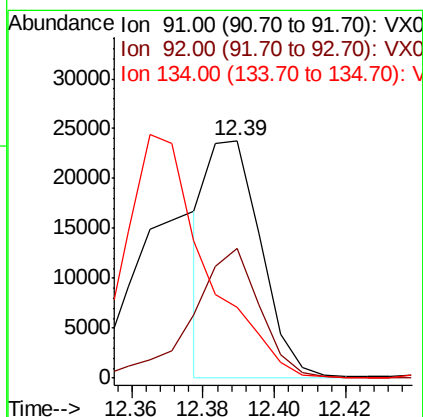
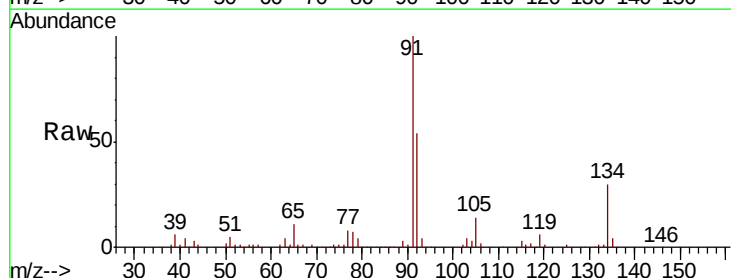
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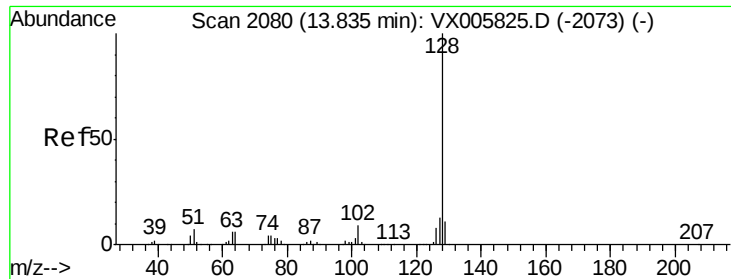
MMDadoda
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#89
n-Butylbenzene
Concen: 5.375 ug/l m
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006050.D
Acq: 16 Nov 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	24846		
92	69.3	26.1	78.2	
134	0.0	13.1	39.3#	





#95
Naphthalene
Concen: 21.906 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006050.D
Acq: 16 Nov 2018 15:22

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	11.8	8.7	13.1

Manual Integrations
APPROVED

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11/19/2018 12:22:48 PM

