

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042220\
 Data File : VX015864.D
 Acq On : 23 Apr 2020 01:19
 Operator : JC/SP
 Sample : L2380-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW077-200421

Manual Integrations
 APPROVED

MMDadoda
 4/23/2020 12:15:36 PM

Quant Time: Apr 23 12:23:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 04:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	937876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1468793	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1432962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	786682	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	531423	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
35) Dibromofluoromethane	5.47	113	430862	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
50) Toluene-d8	8.70	98	1770871	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
62) 4-Bromofluorobenzene	11.12	95	773804	55.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.54%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.01	59	77402	35.514	ug/l #	73
16) Acetone	2.42	43	21266	4.579	ug/l #	86
19) Methyl tert-butyl Ether	3.17	73	768502	26.500	ug/l #	42
31) Cyclohexane	5.56	56	183982	11.805	ug/l #	94
40) Benzene	6.12	78	202860	5.173	ug/l	99
52) Toluene	8.76	92	20191	0.803	ug/l	96
67) Ethyl Benzene	10.24	91	119666	2.378	ug/l	96
68) m/p-Xylenes	10.35	106	11887	0.629	ug/l	75
69) o-Xylene	10.68	106	25419	1.368	ug/l	95
73) Isopropylbenzene	11.00	105	2310337	46.242	ug/l	99
78) n-propylbenzene	11.34	91	5030914	87.901	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	12489m	0.293	ug/l	
83) tert-Butylbenzene	11.76	119	45270	1.198	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	86865	1.964	ug/l	99
85) sec-Butylbenzene	11.93	105	601639	12.077	ug/l	92
89) n-Butylbenzene	12.37	91	334457m	8.031	ug/l	
95) Naphthalene	13.82	128	232733	4.320	ug/l #	88

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

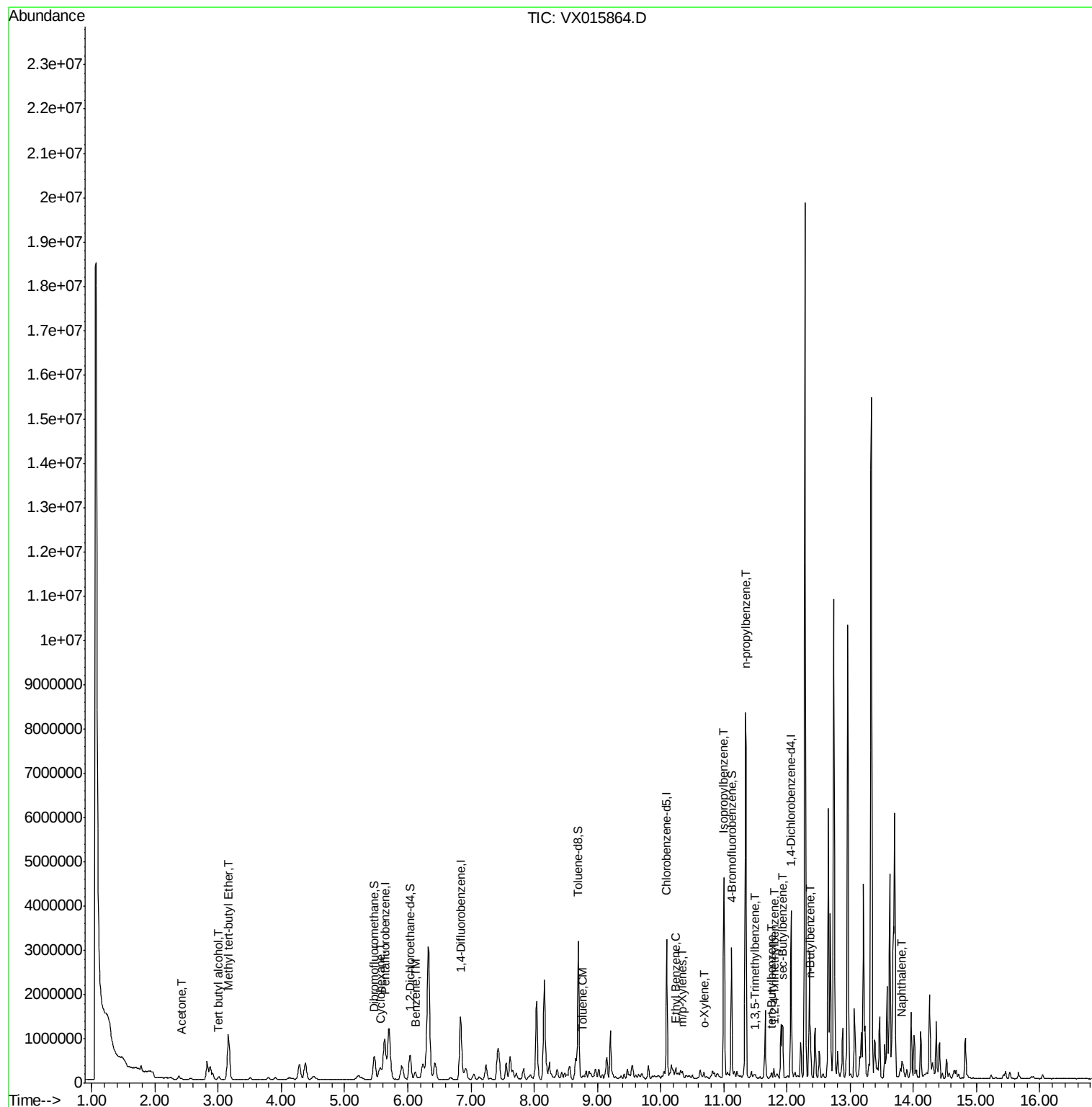
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042220\
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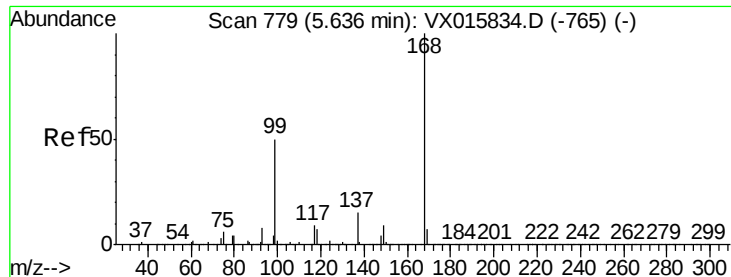
Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 23 04:36:12 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.00 min

Lab File: VX015864.D

Acq: 23 Apr 2020 01:19

Instrument :

MSVOA_X

ClientSampleId :

KY001MW077-200421

Tot Ion:168 Resp: 937876

Ion Ratio Lower Upper

168 100

99 51.6

40.3

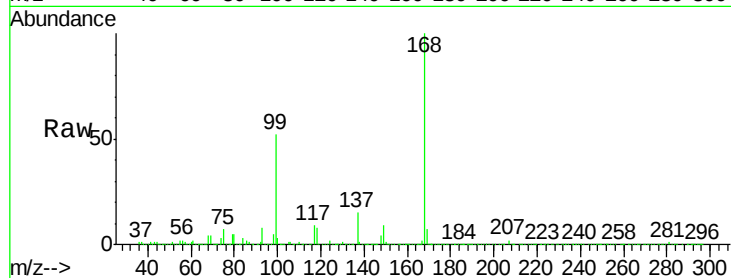
60.5

Manual Integrations

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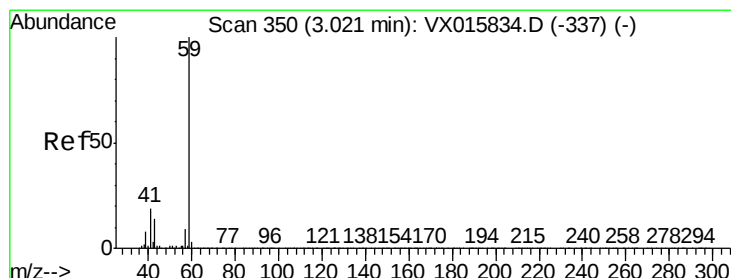
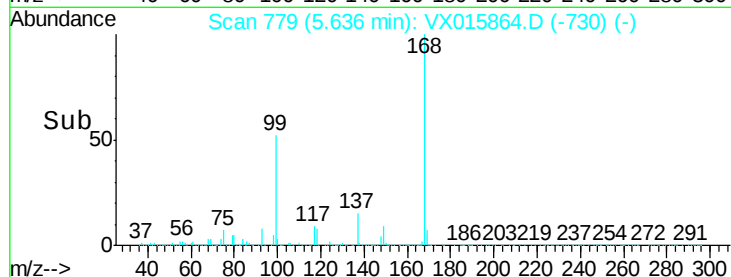
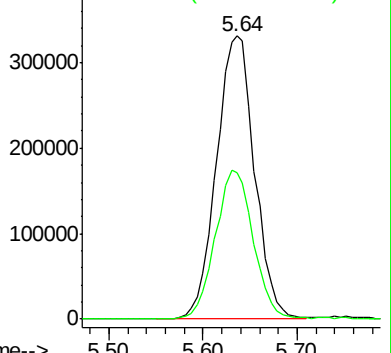
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 35.514 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.01 min

Lab File: VX015864.D

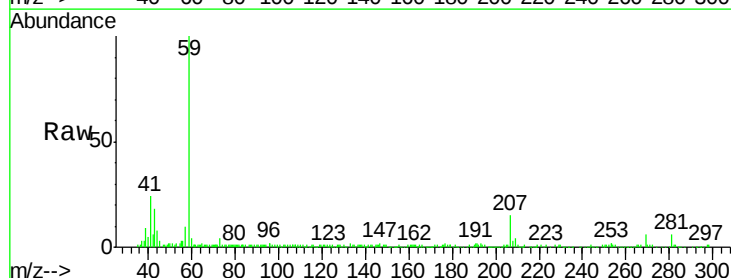
Acq: 23 Apr 2020 01:19

Tgt Ion: 59 Resp: 77402

Ion Ratio Lower Upper

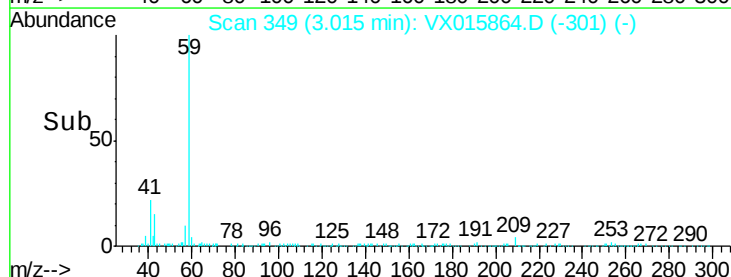
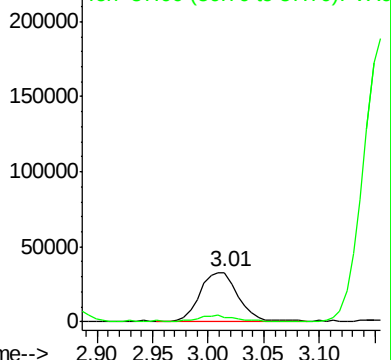
59 100

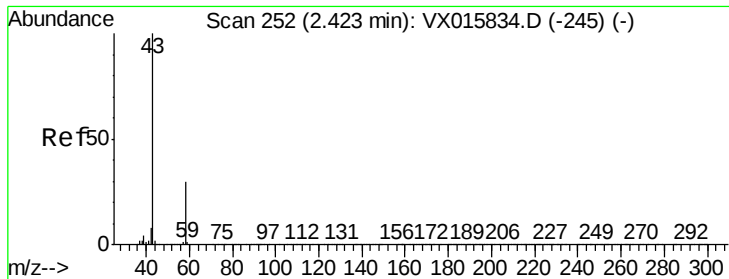
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 4.579 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.01 min

Lab File: VX015864.D

Acq: 23 Apr 2020 01:19

Instrument :

MSVOA_X

ClientSampleId :

KY001MW077-200421

Tot Ion: 43 Resp: 21266

Ion Ratio Lower Upper

43 100

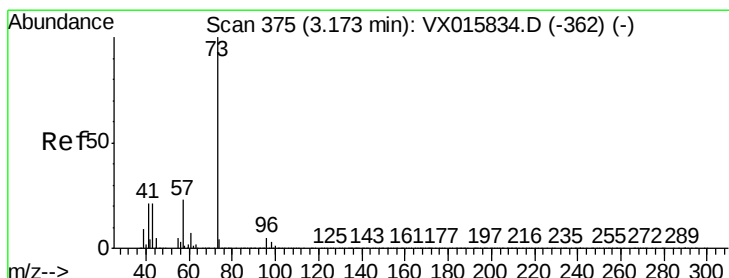
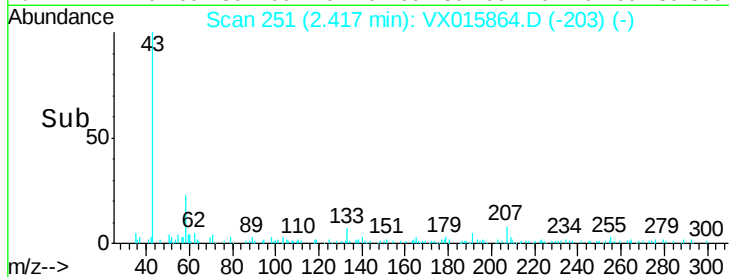
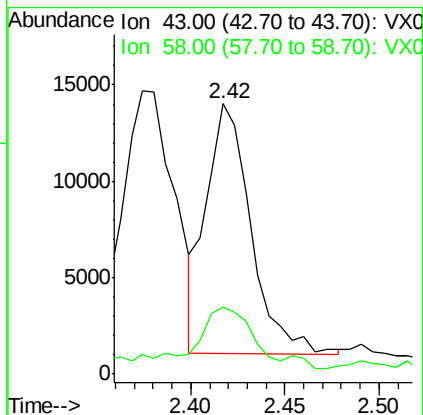
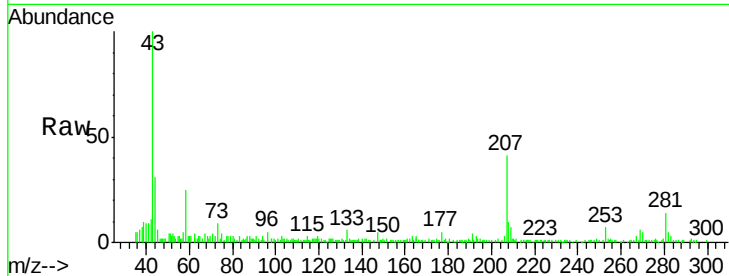
58 22.6 24.0 36.0#

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#19

Methyl tert-butyl Ether

Concen: 26.500 ug/l

RT: 3.17 min Scan# 374

Delta R.T. -0.01 min

Lab File: VX015864.D

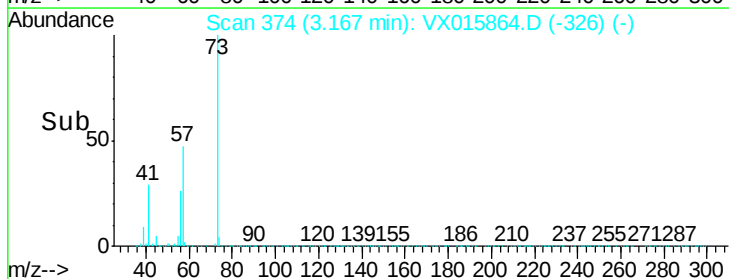
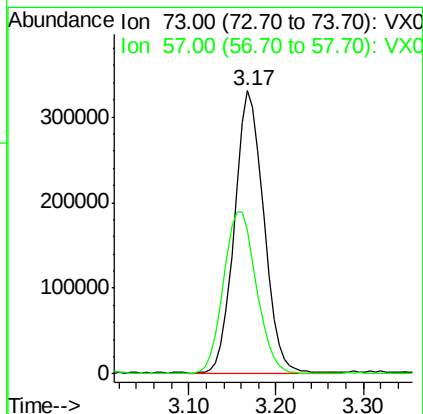
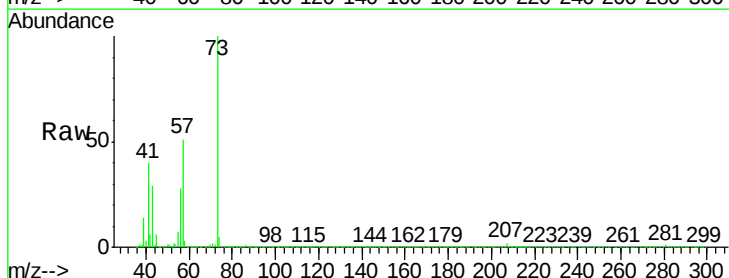
Acq: 23 Apr 2020 01:19

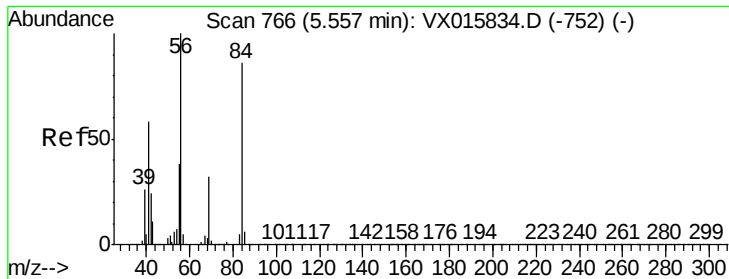
Tgt Ion: 73 Resp: 768502

Ion Ratio Lower Upper

73 100

57 50.8 18.1 27.1#





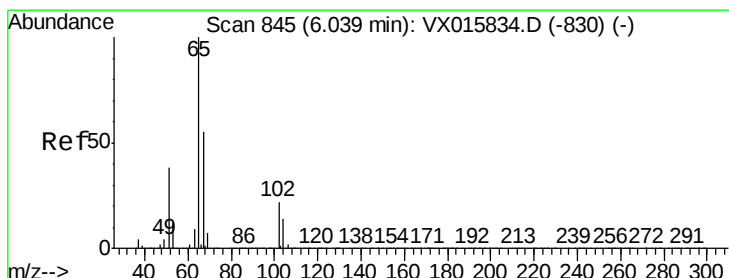
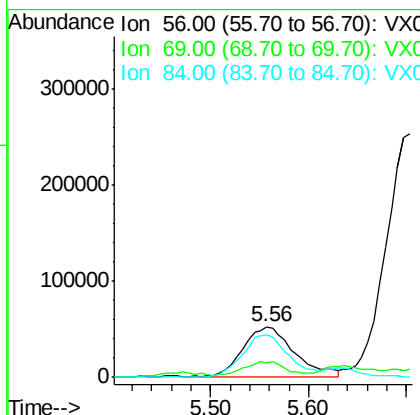
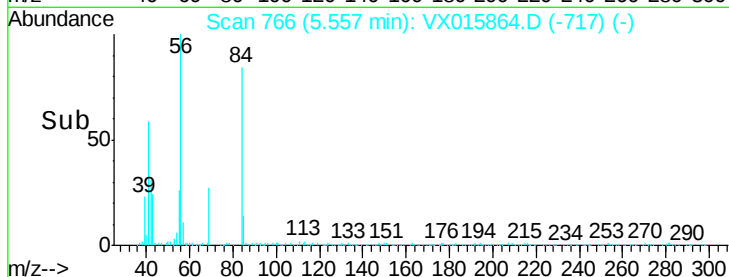
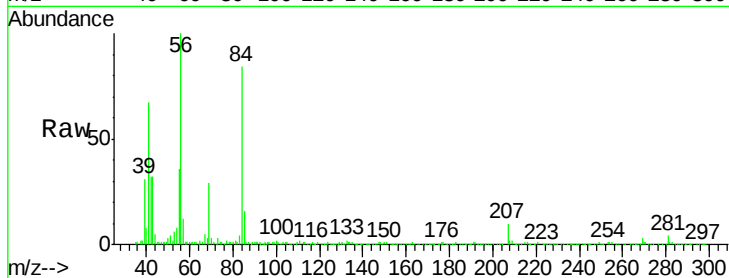
#31
Cyclohexane
Concen: 11.805 ug/l
RT: 5.56 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX015864.D
Acq: 23 Apr 2020 01:19

Instrument :
MSVOA_X
ClientSampleId :
KY001MW077-200421

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	21.6	25.3	37.9#	
84	85.2	69.1	103.7	

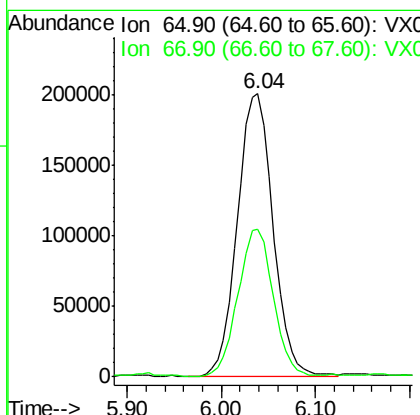
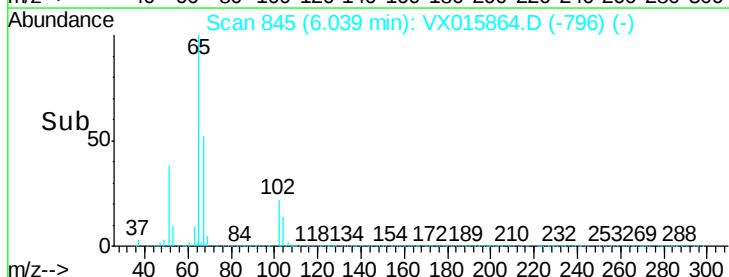
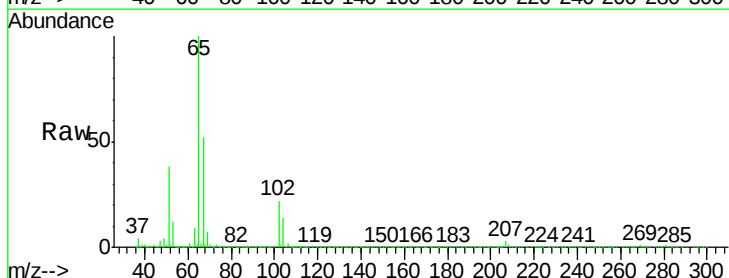
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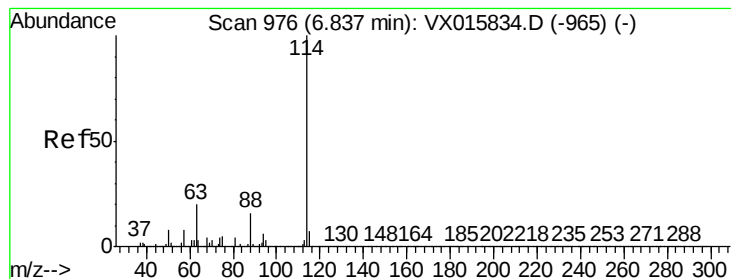
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#33
1,2-Dichloroethane-d4
Concen: 49.819 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.00 min
Lab File: VX015864.D
Acq: 23 Apr 2020 01:19

Tgt Ion	Ion	Ratio	Lower	Upper
65	100			
67	51.8	0.0	104.2	





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015864.D

Acq: 23 Apr 2020 01:19

Instrument :

MSVOA_X

ClientSampleId :

KY001MW077-200421

Tot Ion:114 Resp: 1468793

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.6

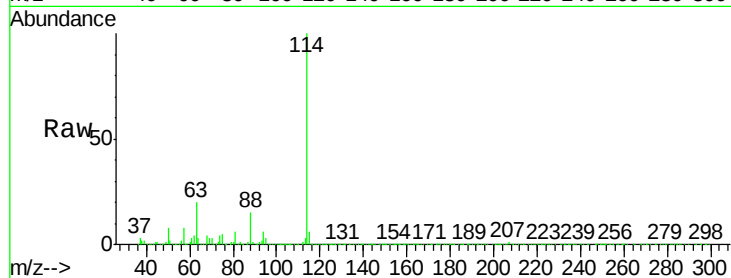
88 15.4 0.0 32.8

Manual Integrations

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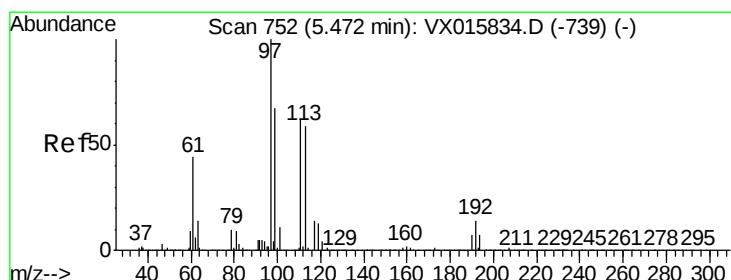
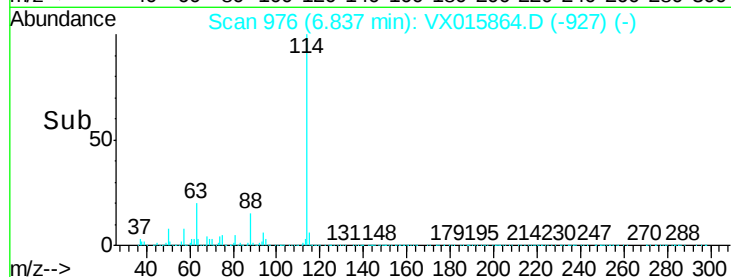
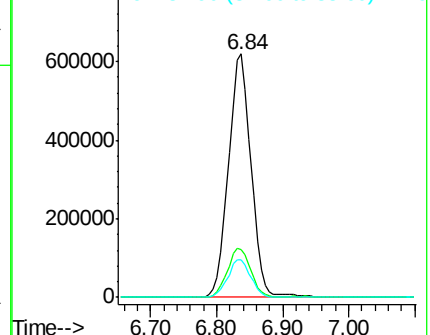
4/23/2020 12:15:36 PM



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 50.820 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015864.D

Acq: 23 Apr 2020 01:19

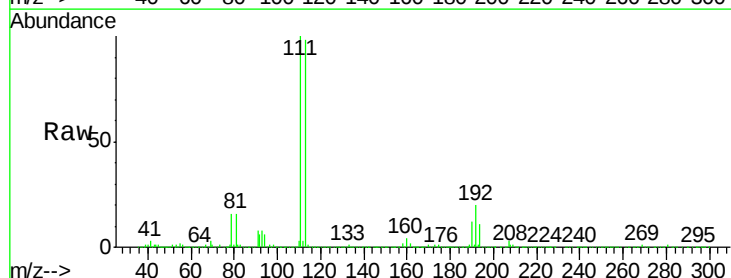
Tgt Ion:113 Resp: 430862

Ion Ratio Lower Upper

113 100

111 102.5 82.7 124.1

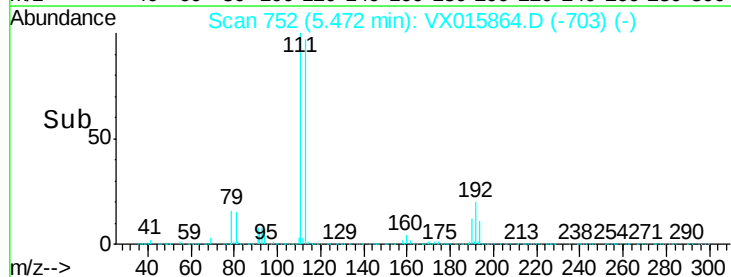
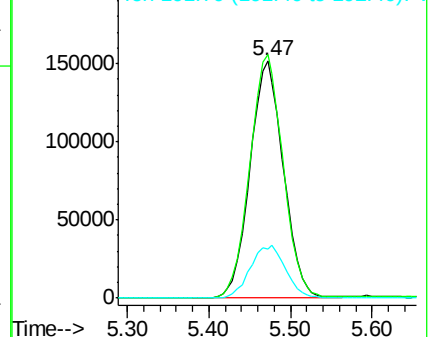
192 23.4 19.3 28.9

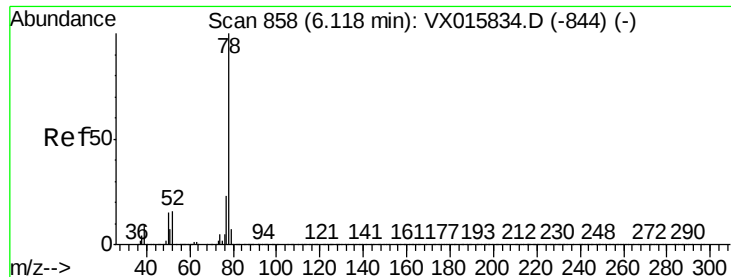


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 5.173 ug/l

RT: 6.12 min Scan# 858

Delta R.T. 0.00 min

Lab File: VX015864.D

Acq: 23 Apr 2020 01:19

Instrument :

MSVOA_X

ClientSampleId :

KY001MW077-200421

Tot Ion: 78 Resp: 202860

Ion Ratio Lower Upper

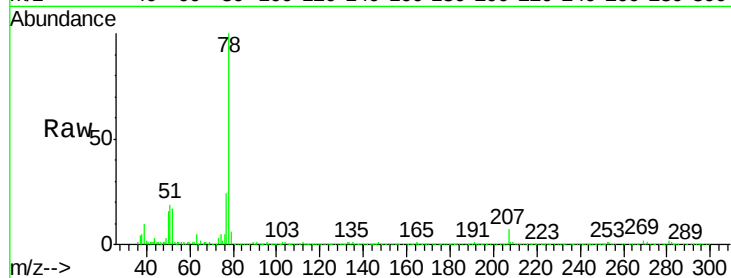
78 100

77 23.7 18.6 27.8

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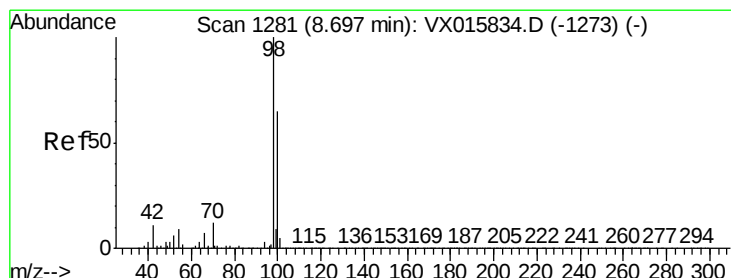
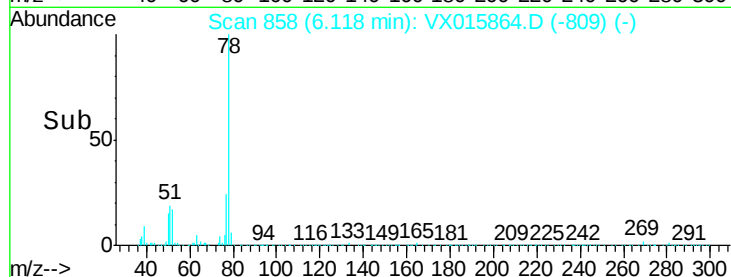
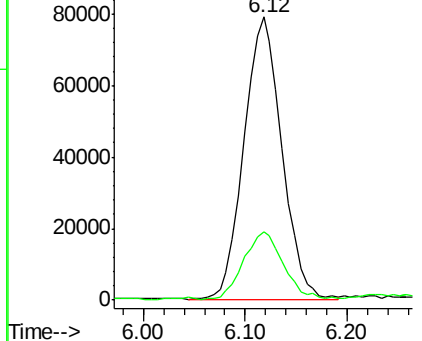
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4/23/2020 12:15:36 PM



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 51.886 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015864.D

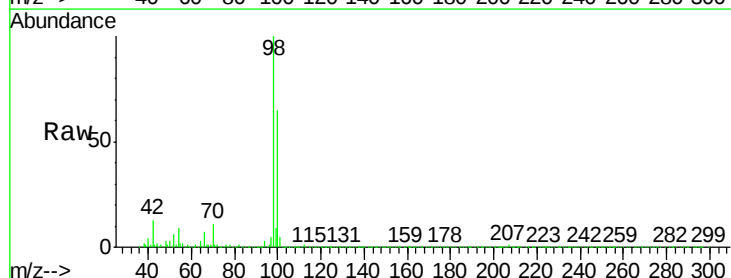
Acq: 23 Apr 2020 01:19

Tgt Ion: 98 Resp: 1770871

Ion Ratio Lower Upper

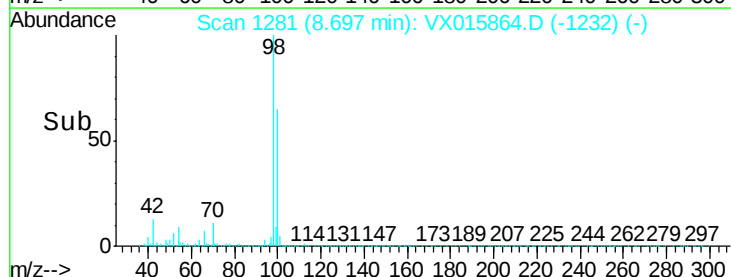
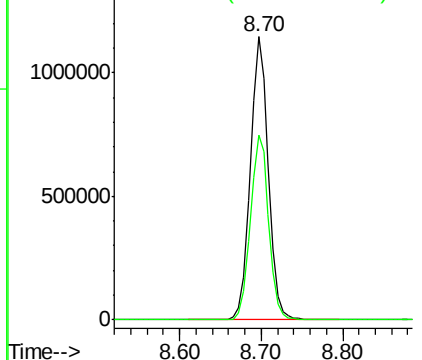
98 100

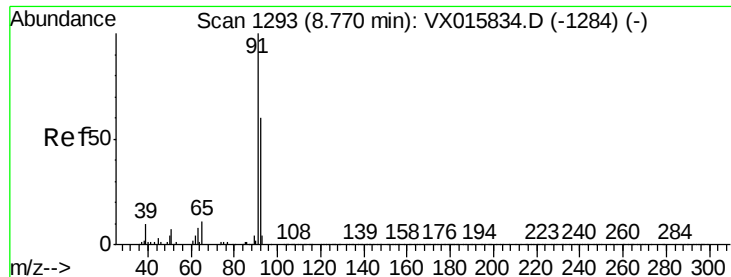
100 66.4 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 0.803 ug/l

RT: 8.76 min Scan# 1292

Delta R.T. -0.01 min

Lab File: VX015864.D

Acq: 23 Apr 2020 01:19

Instrument :

MSVOA_X

ClientSampleId :

KY001MW077-200421

Tot Ion: 92 Resp: 20191

Ion Ratio Lower Upper

92 100

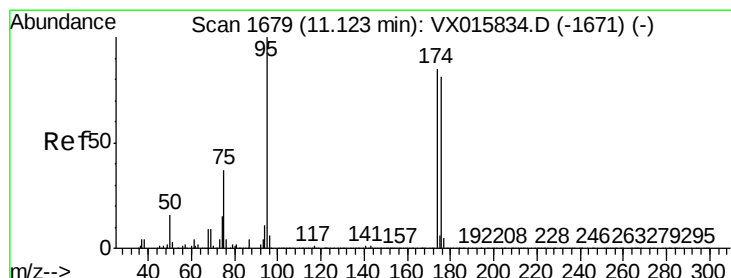
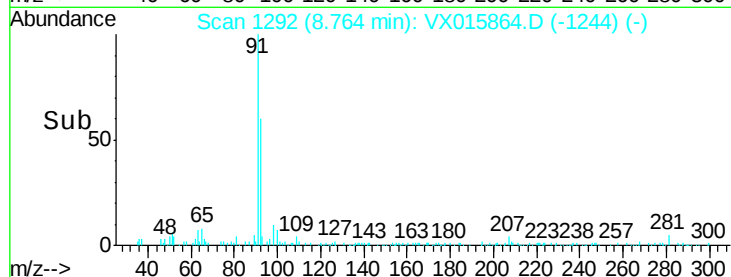
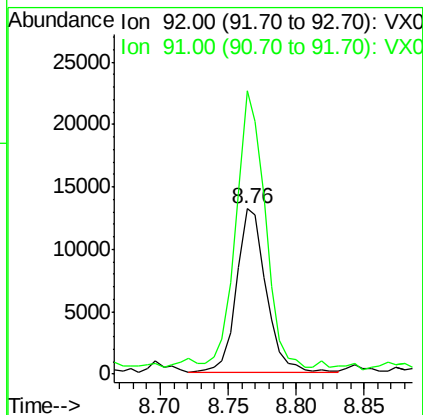
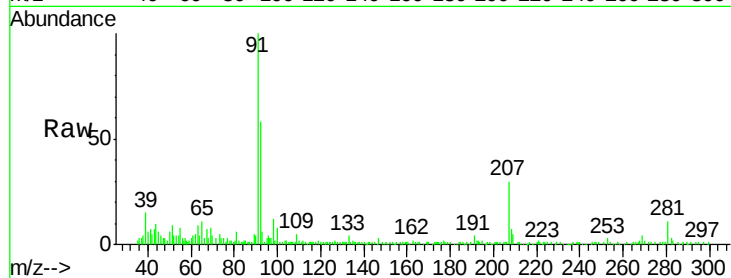
91 161.3 133.4 200.0

Manual Integrations

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4/23/2020 12:15:36 PM



#62

4-Bromofluorobenzene

Concen: 55.267 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015864.D

Acq: 23 Apr 2020 01:19

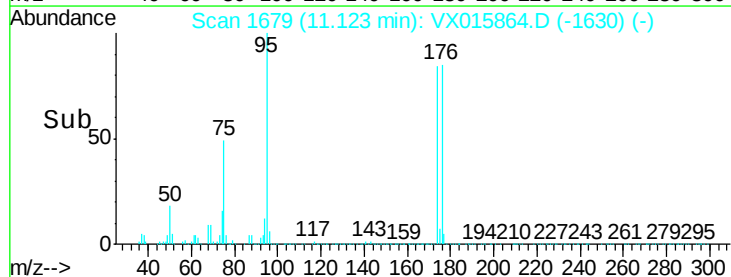
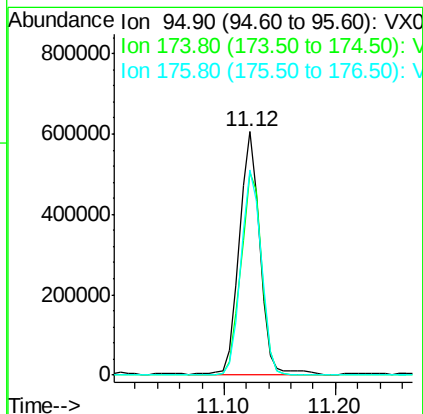
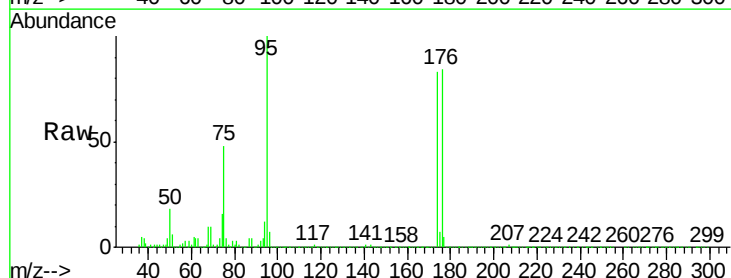
Tgt Ion: 95 Resp: 773804

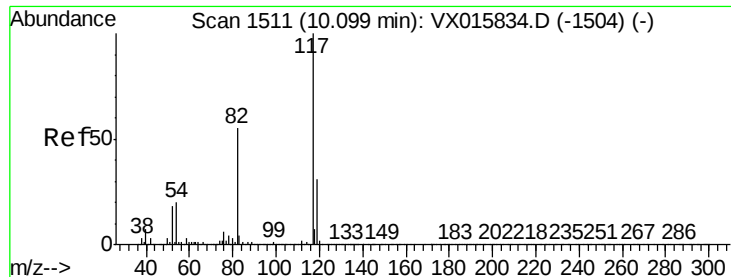
Ion Ratio Lower Upper

95 100

174 83.6 0.0 172.4

176 83.4 0.0 167.0





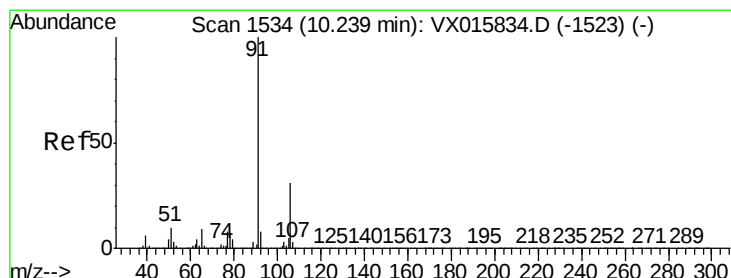
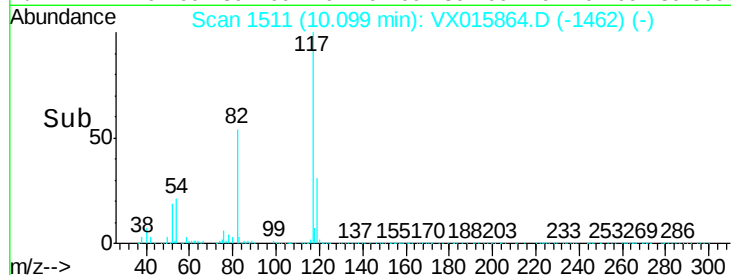
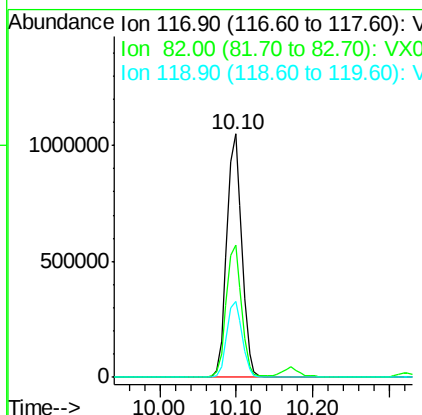
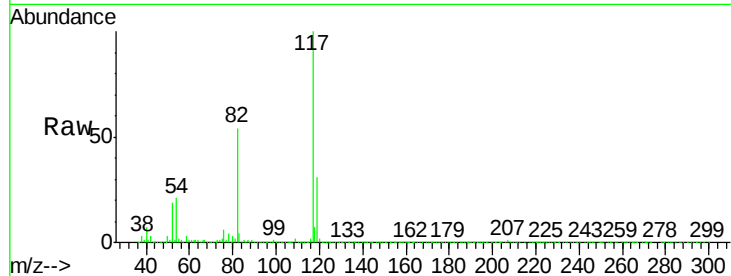
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015864.D
Acq: 23 Apr 2020 01:19

Instrument :
MSVOA_X
ClientSampleId :
KY001MW077-200421

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.9	65.9
119	30.9	25.1	37.7

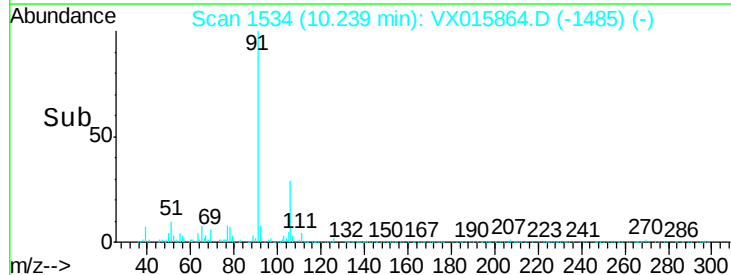
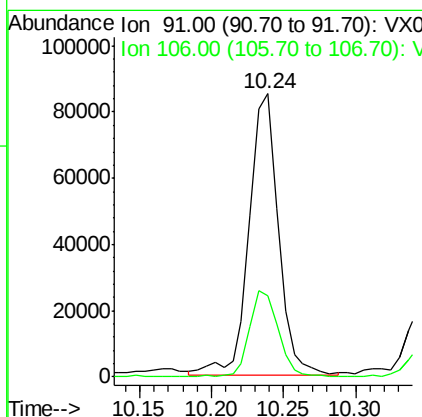
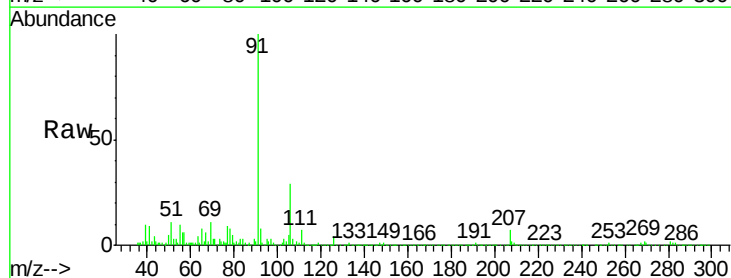
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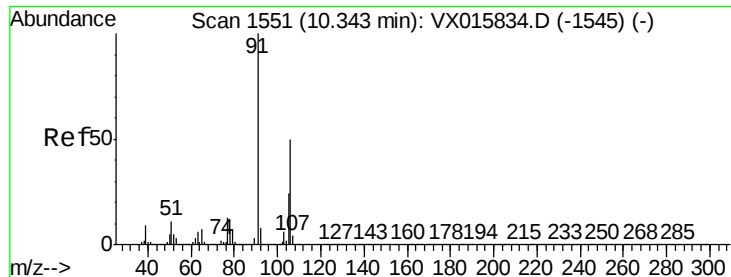
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#67
Ethyl Benzene
Concen: 2.378 ug/l
RT: 10.24 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VX015864.D
Acq: 23 Apr 2020 01:19

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.8	25.0	37.4





#68

m/p-Xylenes

Concen: 0.629 ug/l

RT: 10.35 min Scan# 1552

Delta R.T. 0.01 min

Lab File: VX015864.D

Acq: 23 Apr 2020 01:19

Instrument :

MSVOA_X

ClientSampleId :

KY001MW077-200421

Tot Ion:106 Resp: 11887

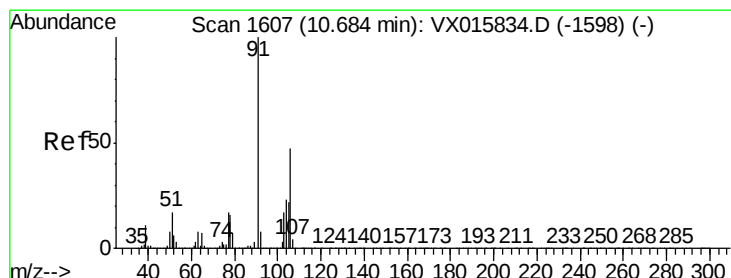
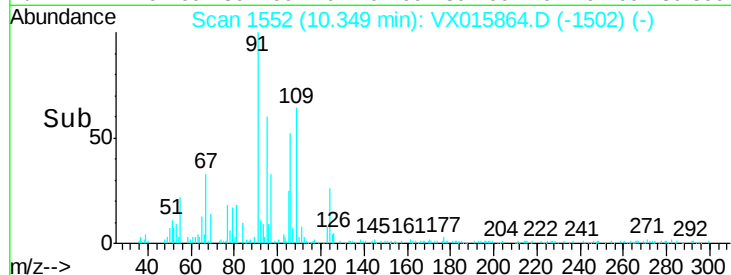
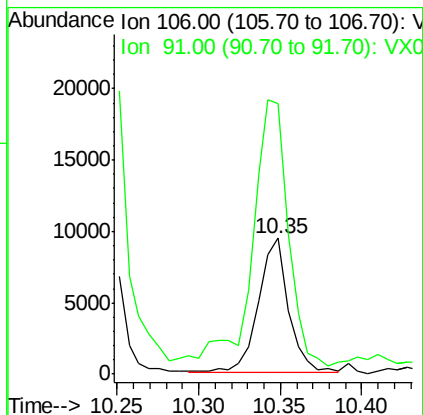
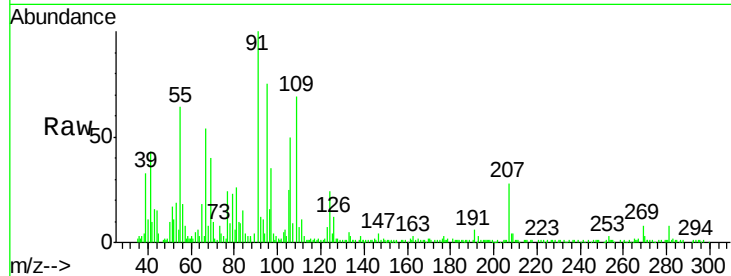
Ion Ratio Lower Upper

106 100

91 239.3 161.1 241.7

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#69

o-Xylene

Concen: 1.368 ug/l

RT: 10.68 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VX015864.D

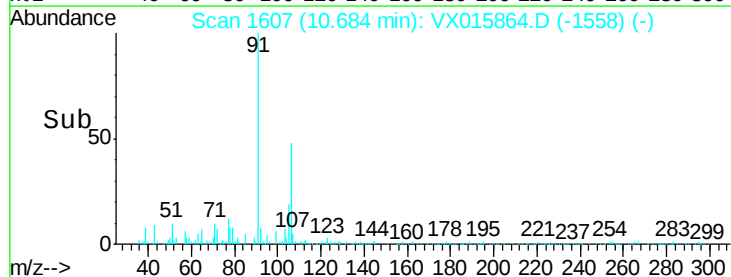
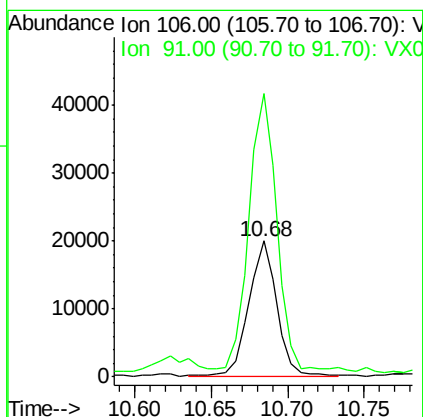
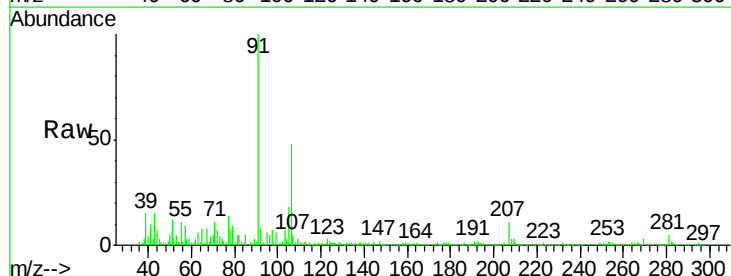
Acq: 23 Apr 2020 01:19

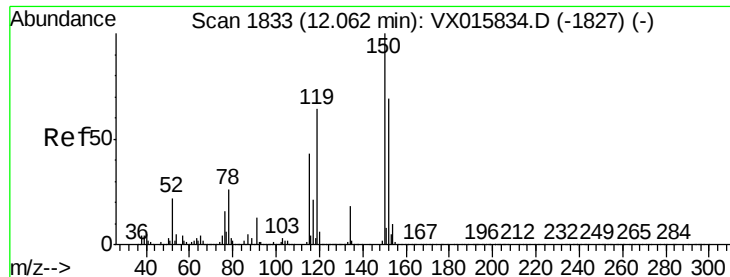
Tgt Ion:106 Resp: 25419

Ion Ratio Lower Upper

106 100

91 206.3 107.1 321.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015864.D

Acq: 23 Apr 2020 01:19

Instrument :

MSVOA_X

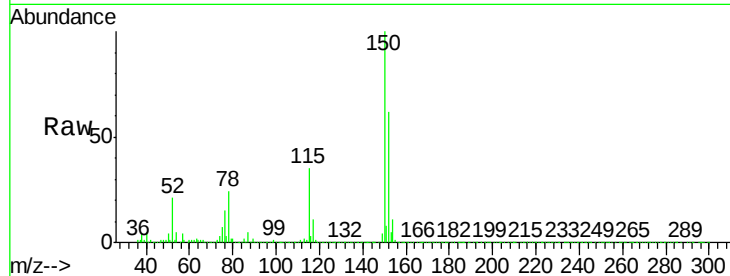
ClientSampleId :

KY001MW077-200421

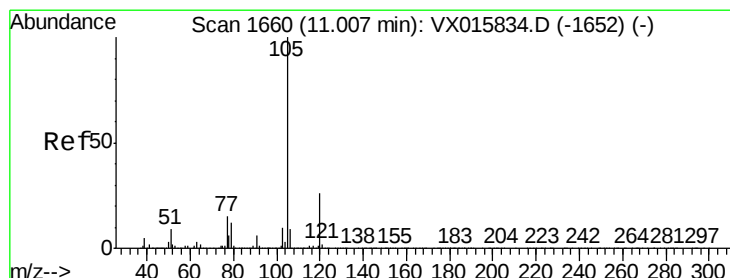
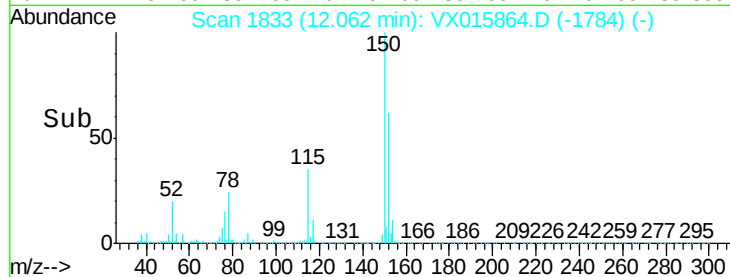
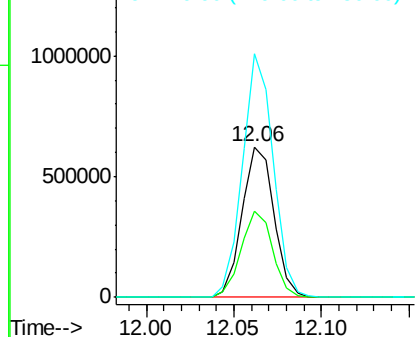
Tot Ion:	152	Resp:	786682
Ion Ratio	Lower	Upper	
152	100		
115	56.9	39.0	116.9
150	156.4	0.0	336.8

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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: 46.242 ug/l

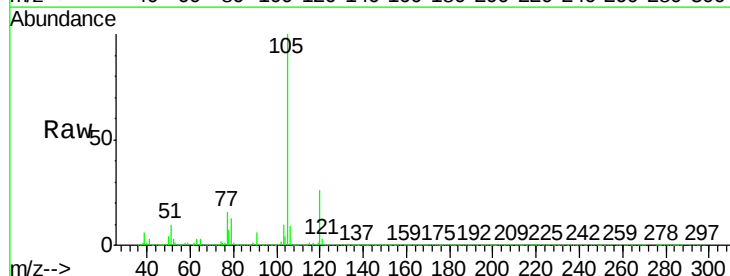
RT: 11.00 min Scan# 1659

Delta R.T. -0.01 min

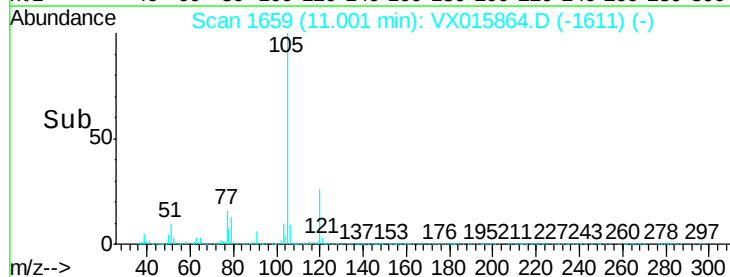
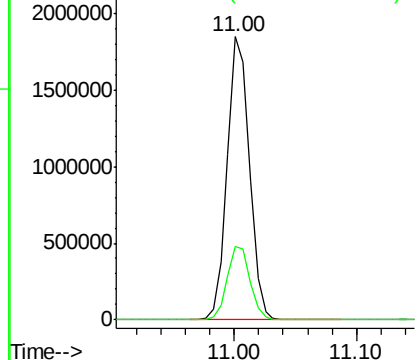
Lab File: VX015864.D

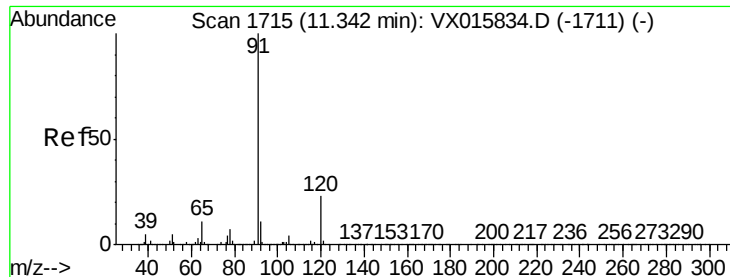
Acq: 23 Apr 2020 01:19

Tgt Ion:	105	Resp:	2310337
Ion Ratio	Lower	Upper	
105	100		
120	26.6	13.1	39.1



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





#78

n-propylbenzene

Concen: 87.901 ug/l

RT: 11.34 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VX015864.D

Acq: 23 Apr 2020 01:19

Instrument :

MSVOA_X

ClientSampleId :

KY001MW077-200421

Tot Ion: 91 Resp: 5030914

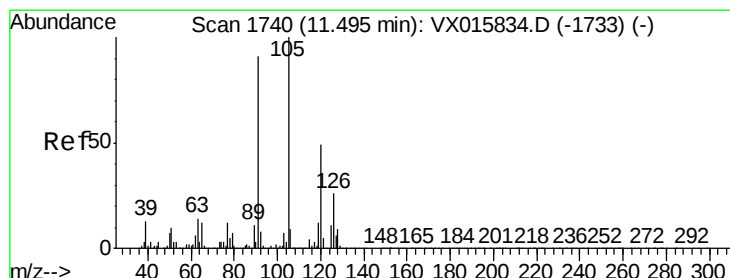
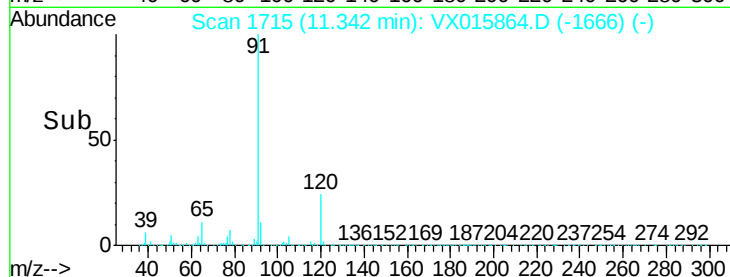
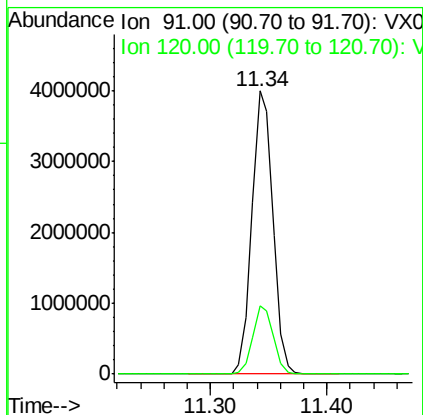
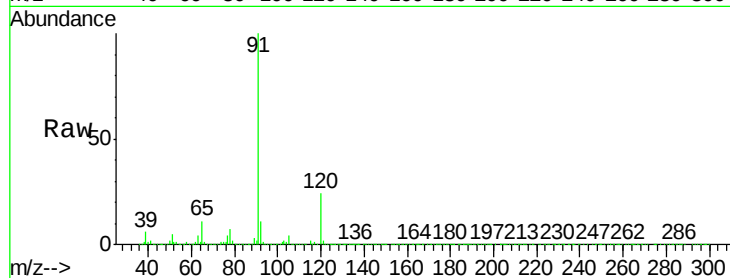
Ion Ratio Lower Upper

91 100

120 23.5 11.7 35.1

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4/23/2020 12:15:36 PM



#80

1,3,5-Trimethylbenzene

Concen: 0.293 ug/l m

RT: 11.49 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VX015864.D

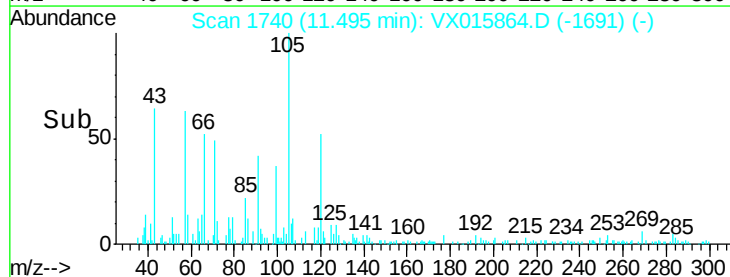
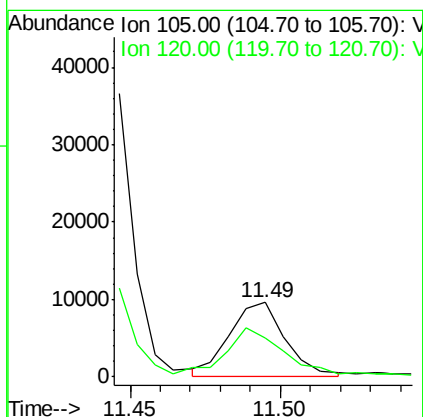
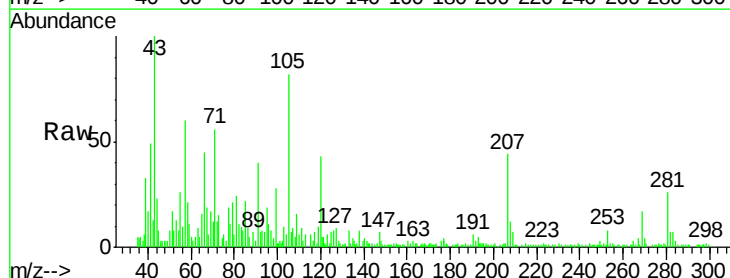
Acq: 23 Apr 2020 01:19

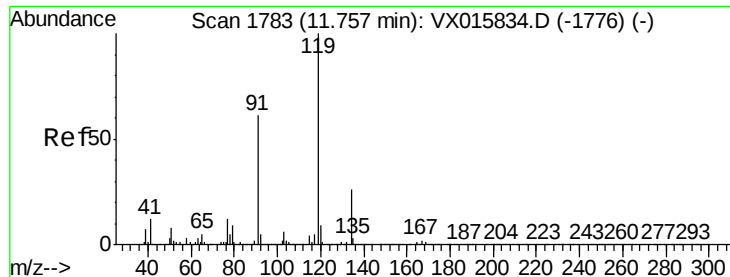
Tgt Ion:105 Resp: 12489

Ion Ratio Lower Upper

105 100

120 1751.4 24.9 74.7#





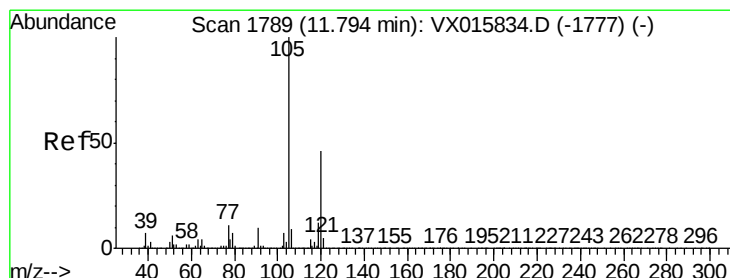
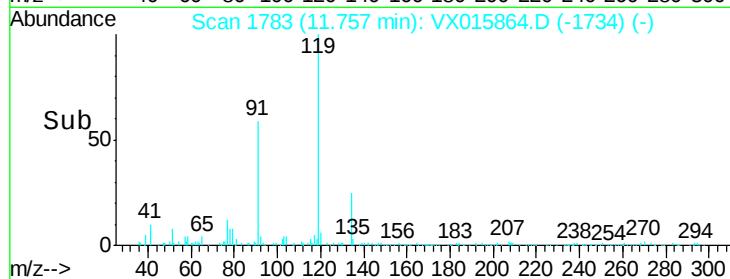
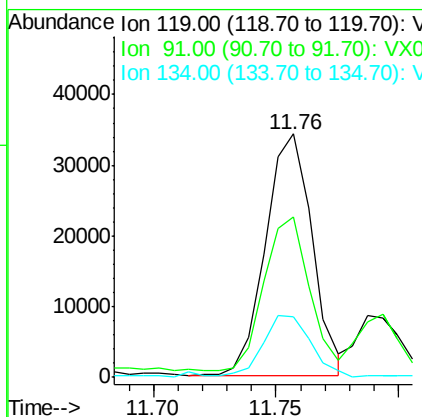
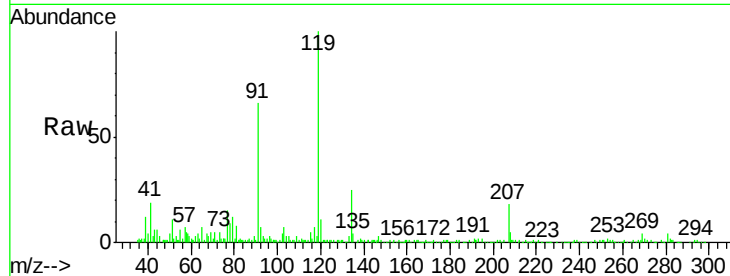
#83
tert-Butylbenzene
Concen: 1.198 ug/l
RT: 11.76 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX015864.D
Acq: 23 Apr 2020 01:19

Instrument :
MSVOA_X
ClientSampleId :
KY001MW077-200421

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.5	30.9	92.7
134	25.3	12.4	37.2

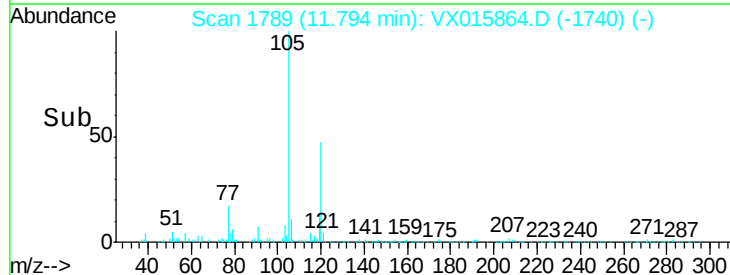
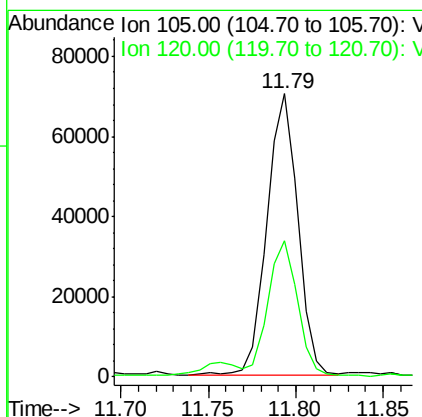
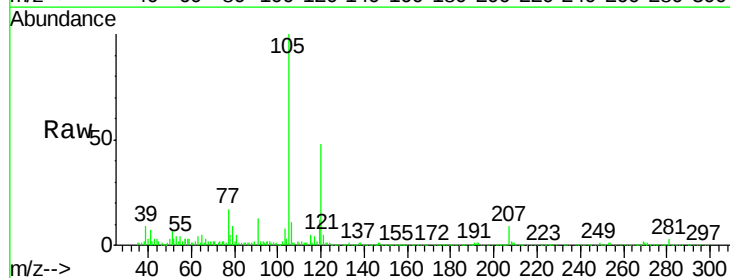
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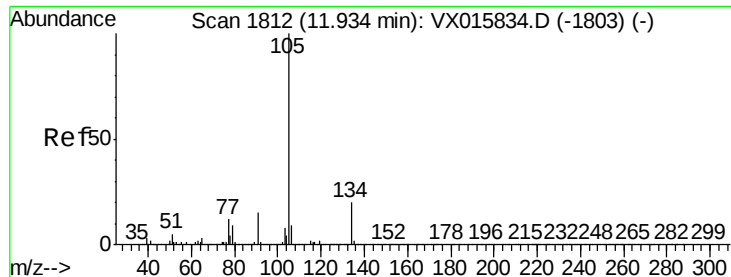
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#84
1,2,4-Trimethylbenzene
Concen: 1.964 ug/l
RT: 11.79 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX015864.D
Acq: 23 Apr 2020 01:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.9	68.7





#85

sec-Butylbenzene

Concen: 12.077 ug/l

RT: 11.93 min Scan# 1811

Delta R.T. -0.01 min

Lab File: VX015864.D

Acq: 23 Apr 2020 01:19

Instrument :

MSVOA_X

ClientSampleId :

KY001MW077-200421

Tot Ion:105 Resp: 601639

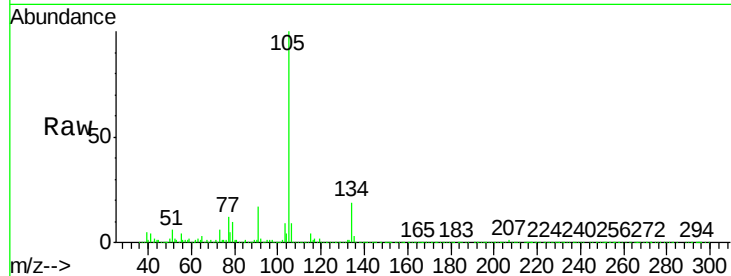
Ion Ratio Lower Upper

105 100

134 16.8 10.3 30.8

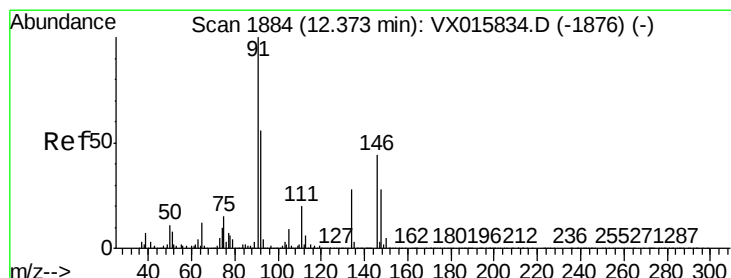
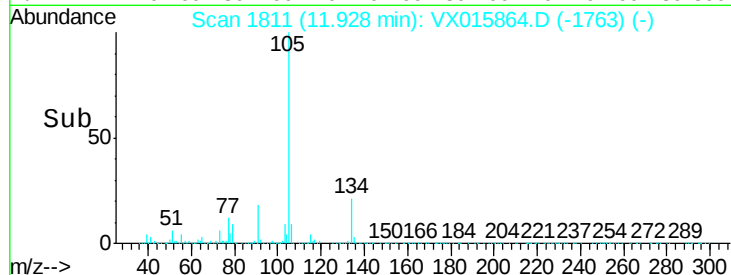
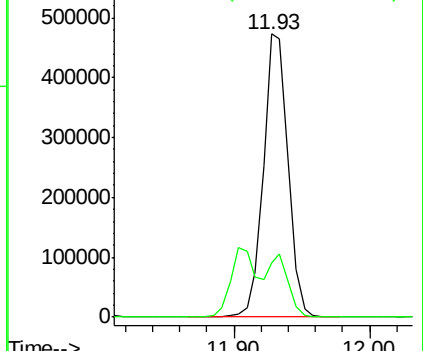
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 8.031 ug/l m

RT: 12.37 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX015864.D

Acq: 23 Apr 2020 01:19

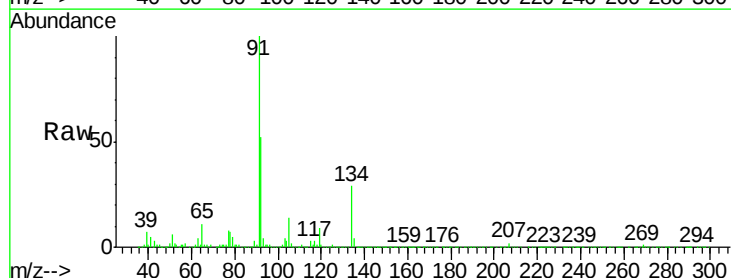
Tgt Ion: 91 Resp: 334457

Ion Ratio Lower Upper

91 100

92 63.3 27.7 83.1

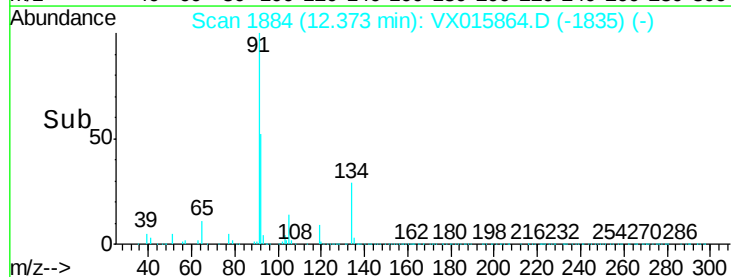
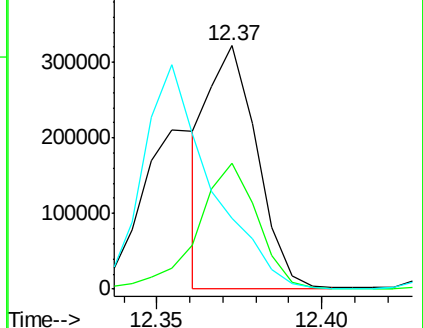
134 127.0 14.1 42.4#

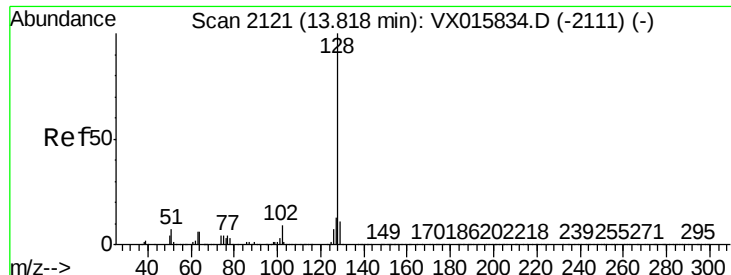


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#95
Naphthalene
Concen: 4.320 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. 0.00 min
Lab File: VX015864.D
Acq: 23 Apr 2020 01:19

Instrument :
MSVOA_X
ClientSampleId :
KY001MW077-200421

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	16.7	10.5	15.7#
129	16.2	8.5	12.7#

Manual Integrations
APPROVED

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