

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042220\
 Data File : VX015873.D
 Acq On : 23 Apr 2020 04:43
 Operator : JC/SP
 Sample : L2380-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW079-200421

Manual Integrations
 APPROVED

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 4/23/2020 12:16:41 PM

Quant Time: Apr 23 12:27:10 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	962802	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1474180	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1474287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	759304	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	540176	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
35) Dibromofluoromethane	5.47	113	445816	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
50) Toluene-d8	8.70	98	1760112	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
62) 4-Bromofluorobenzene	11.12	95	752101	53.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.04%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.56	56	1141117	71.325	ug/l #	90
39) Methylcyclohexane	7.44	83	1564405	94.527	ug/l	92
40) Benzene	6.12	78	7082311	179.930	ug/l	98
52) Toluene	8.77	92	97211	3.853	ug/l	99
67) Ethyl Benzene	10.23	91	18652309m	360.285	ug/l	
68) m/p-Xylenes	10.35	106	6448407	331.839	ug/l	89
69) o-Xylene	10.68	106	4674725	244.462	ug/l	95
73) Isopropylbenzene	11.00	105	14192188	294.301	ug/l	80
78) n-propylbenzene	11.34	91	15417716	279.093	ug/l #	69
80) 1,3,5-Trimethylbenzene	11.49	105	8914639	216.799	ug/l	97
83) tert-Butylbenzene	11.76	119	89894m	2.465	ug/l	
84) 1,2,4-Trimethylbenzene	11.79	105	16874496m	395.285	ug/l	
85) sec-Butylbenzene	11.93	105	1221808	25.411	ug/l	92
86) p-Isopropyltoluene	12.05	119	406830m	9.049	ug/l	
89) n-Butylbenzene	12.37	91	1504652	37.432	ug/l #	31
95) Naphthalene	13.82	128	11881240	228.476	ug/l #	94

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

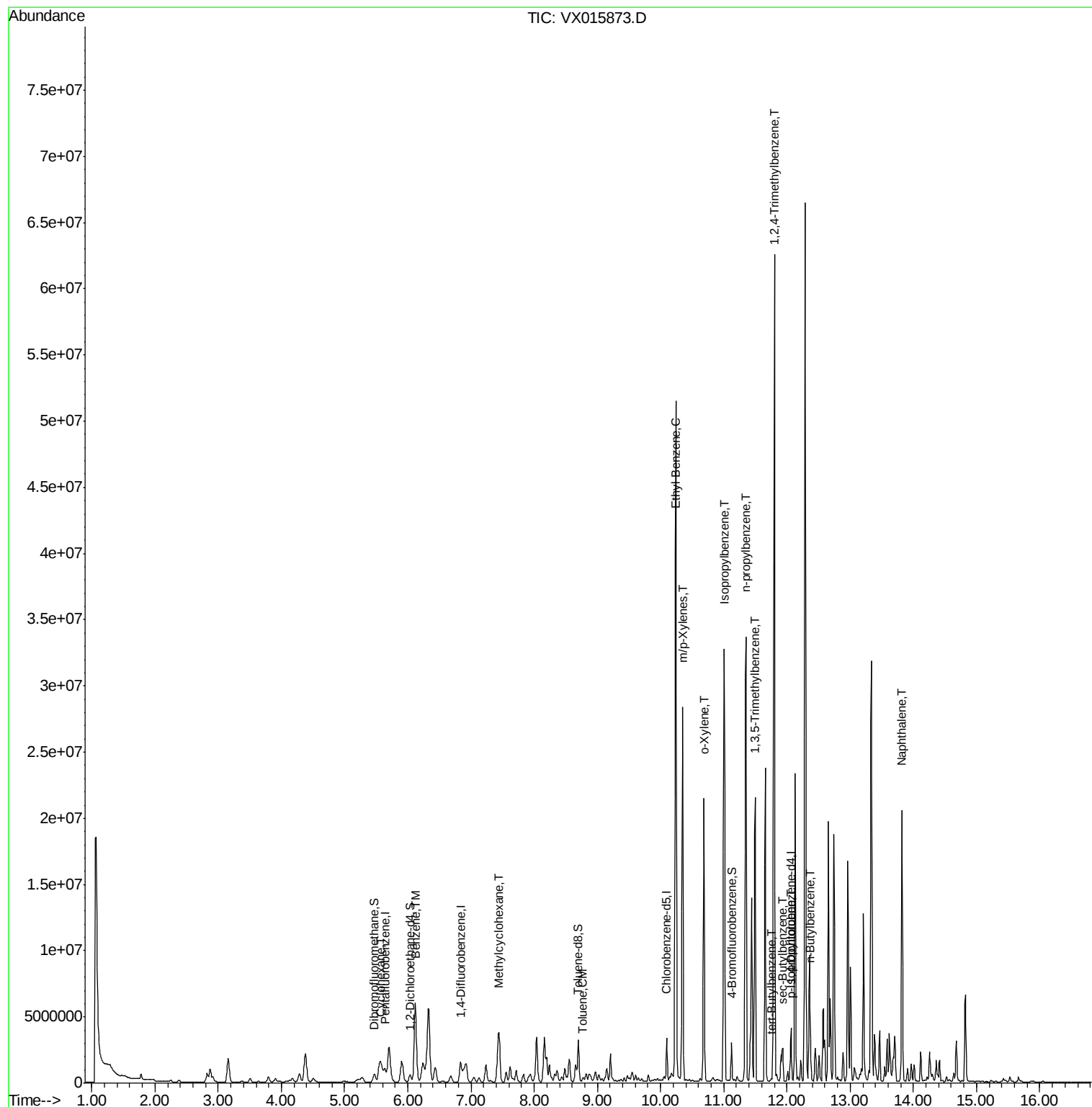
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042220\
Data File : VX015873.D
Acq On : 23 Apr 2020 04:43
Operator : JC/SP
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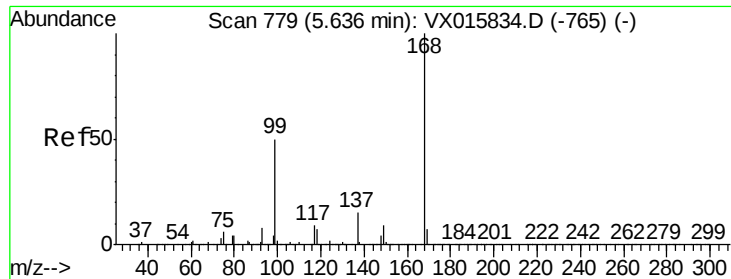
Instrument :
MSVOA_X
ClientSampleId :
KY001MW079-200421

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Quant Time: Apr 23 12:27:10 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 23 04:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.00 min

Lab File: VX015873.D

Acq: 23 Apr 2020 04:43

Instrument :

MSVOA_X

ClientSampleId :

KY001MW079-200421

Tot Ion:168 Resp: 962802

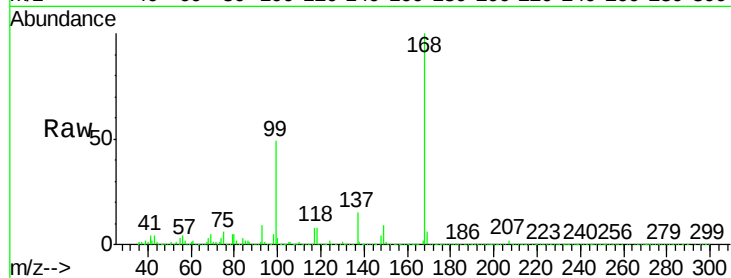
Ion Ratio Lower Upper

168 100

99 49.2 40.3 60.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

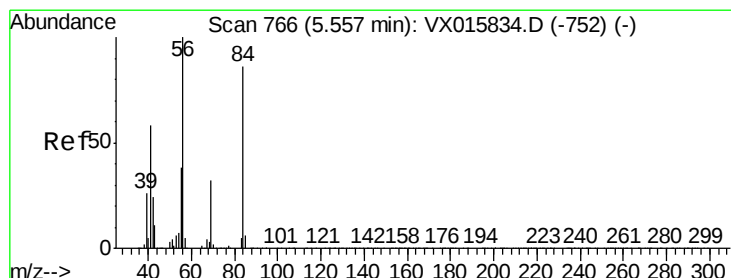
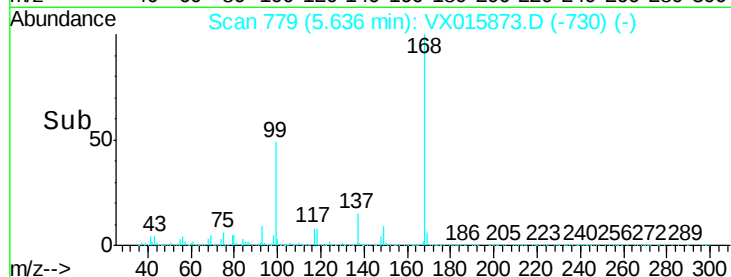
300000

200000

100000

0

Time-->



#31

Cyclohexane

Concen: 71.325 ug/l

RT: 5.56 min Scan# 766

Delta R.T. 0.00 min

Lab File: VX015873.D

Acq: 23 Apr 2020 04:43

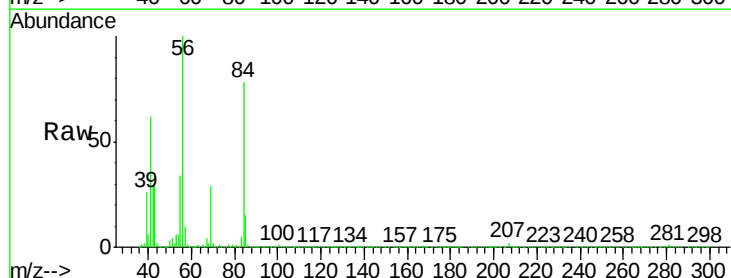
Tgt Ion: 56 Resp: 1141117

Ion Ratio Lower Upper

56 100

69 24.2 25.3 37.9#

84 78.4 69.1 103.7



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

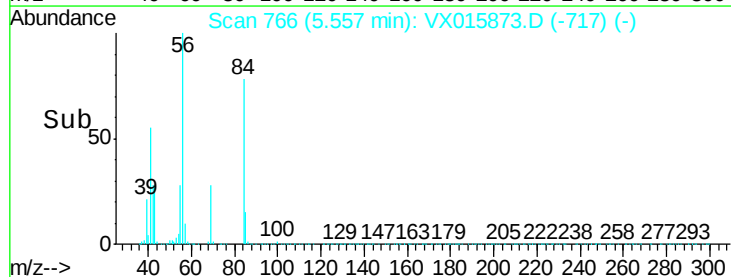
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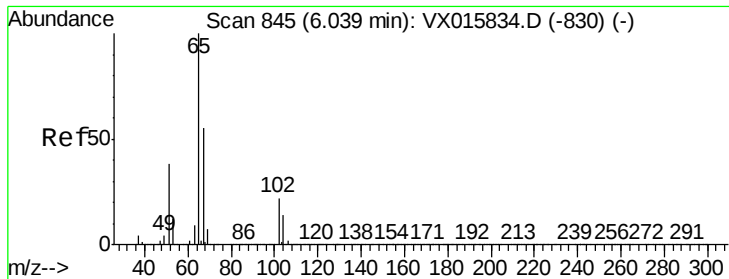
400000

200000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 49.329 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.01 min

Lab File: VX015873.D

Acq: 23 Apr 2020 04:43

Instrument :

MSVOA_X

ClientSampleId :

KY001MW079-200421

Tot Ion: 65 Resp: 540176

Ion Ratio Lower Upper

65 100

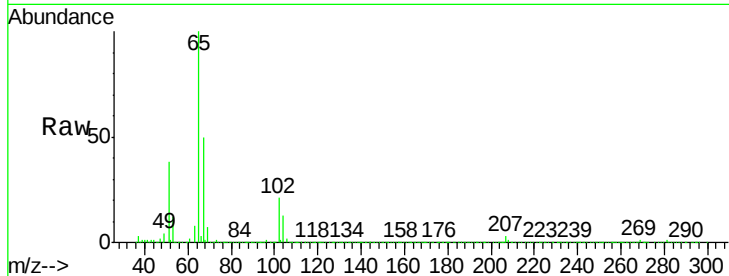
67 51.9 0.0 104.2

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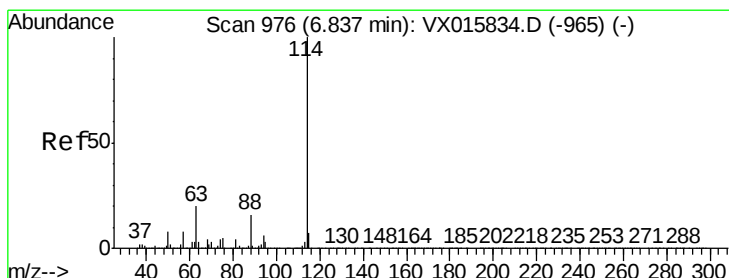
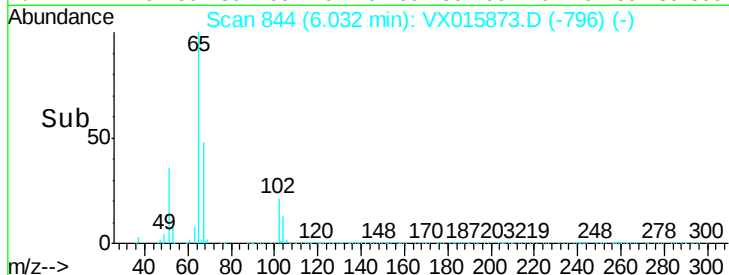
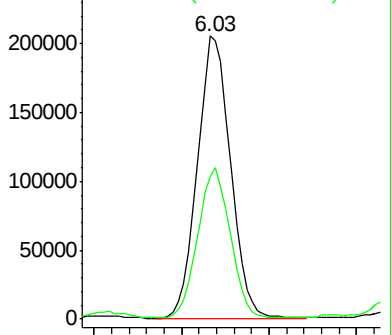
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015873.D

Acq: 23 Apr 2020 04:43

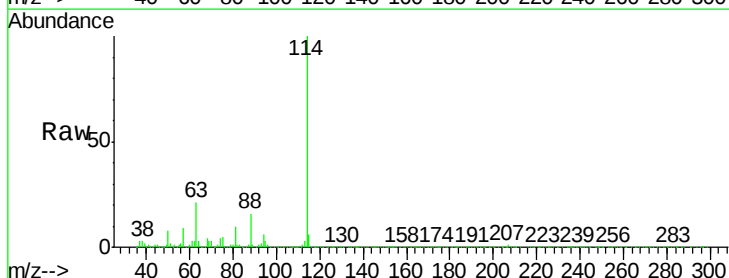
Tgt Ion: 114 Resp: 1474180

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.6

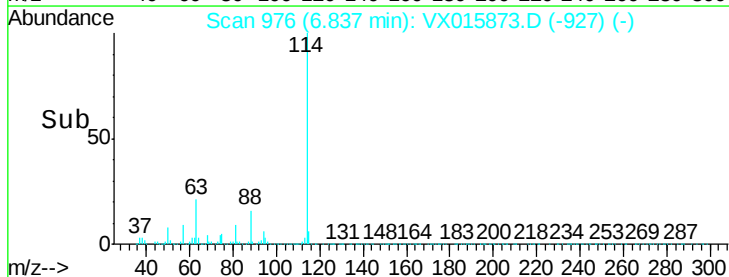
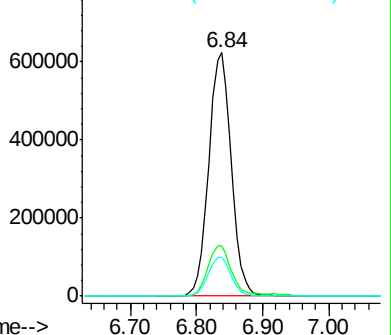
88 15.7 0.0 32.8

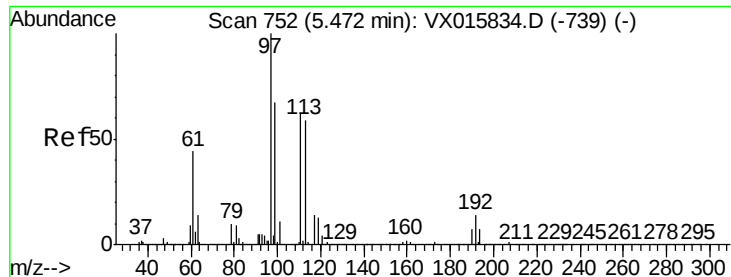


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





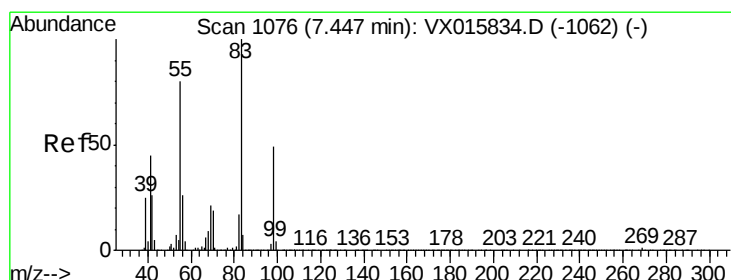
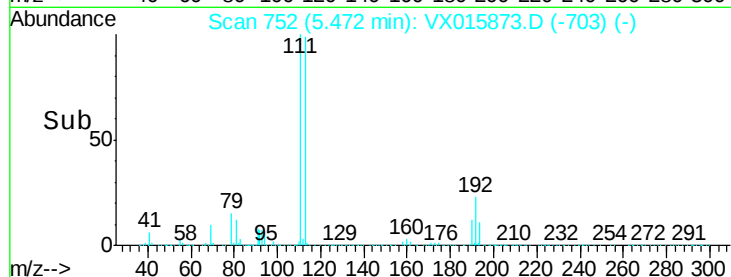
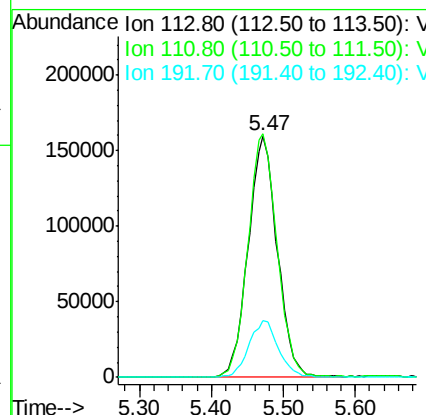
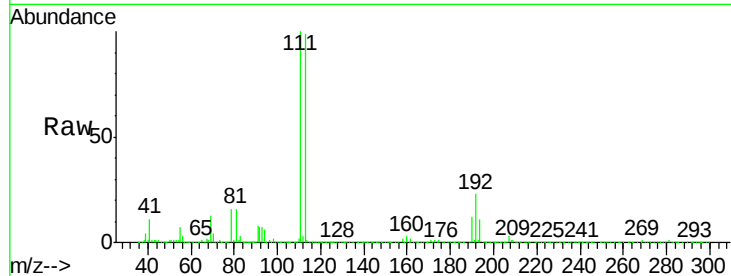
#35
Dibromofluoromethane
Concen: 52.391 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX015873.D
Acq: 23 Apr 2020 04:43

Instrument :
MSVOA_X
ClientSampleId :
KY001MW079-200421

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.7	124.1
192	23.5	19.3	28.9

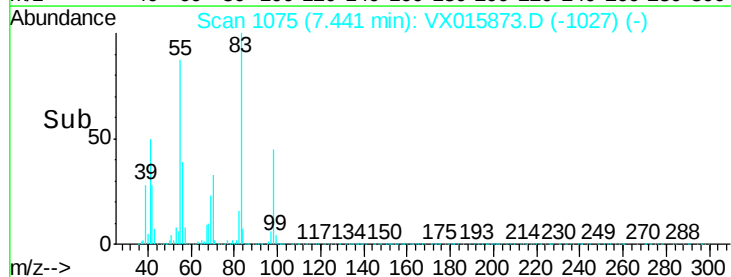
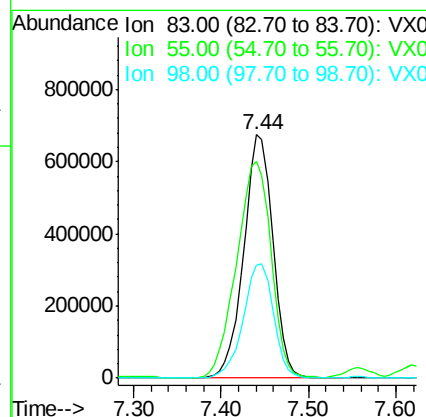
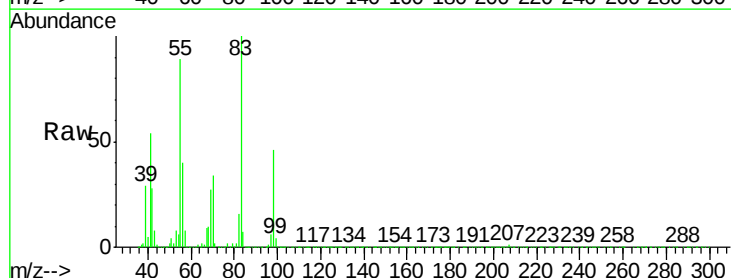
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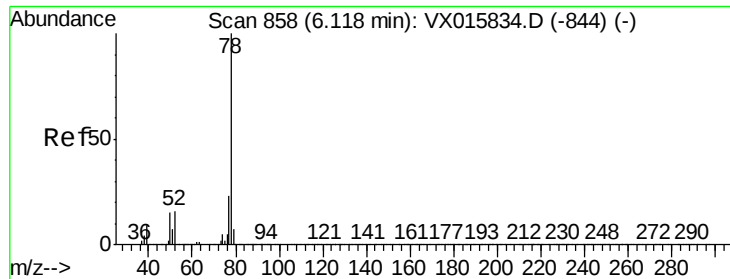
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#39
Methylcyclohexane
Concen: 94.527 ug/l
RT: 7.44 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VX015873.D
Acq: 23 Apr 2020 04:43

Tgt Ion	Ratio	Lower	Upper
83	100		
55	89.1	64.2	96.4
98	46.1	39.3	58.9





#40

Benzene

Concen: 179.930 ug/l

RT: 6.12 min Scan# 858

Delta R.T. 0.00 min

Lab File: VX015873.D

Acq: 23 Apr 2020 04:43

Instrument :

MSVOA_X

ClientSampleId :

KY001MW079-200421

Tot Ion: 78 Resp: 7082311

Ion Ratio Lower Upper

78 100

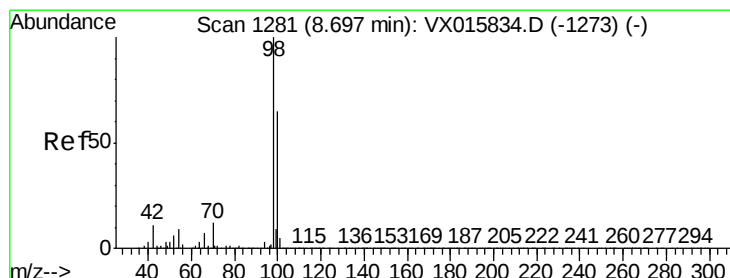
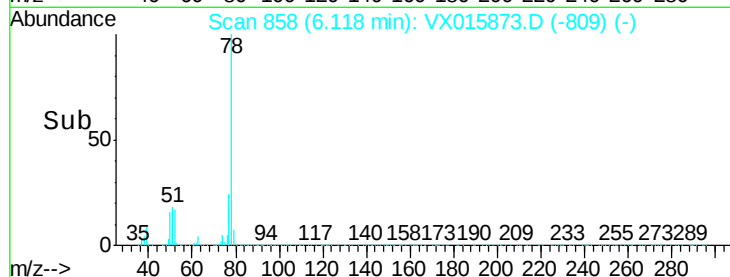
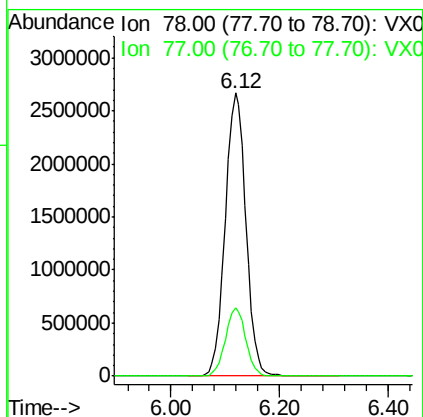
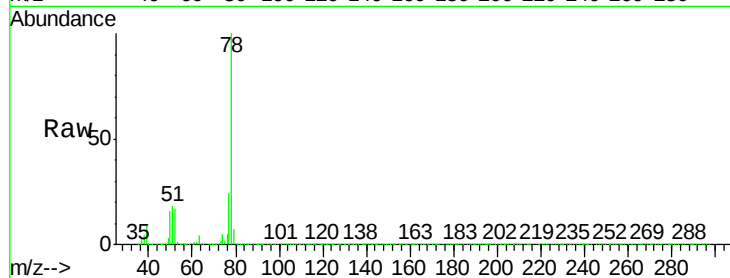
77 24.1 18.6 27.8

Manual Integrations

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#50

Toluene-d8

Concen: 51.382 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015873.D

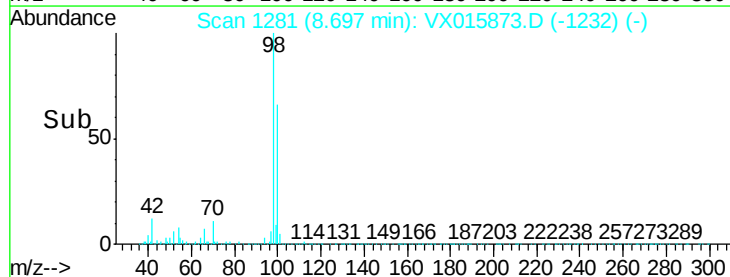
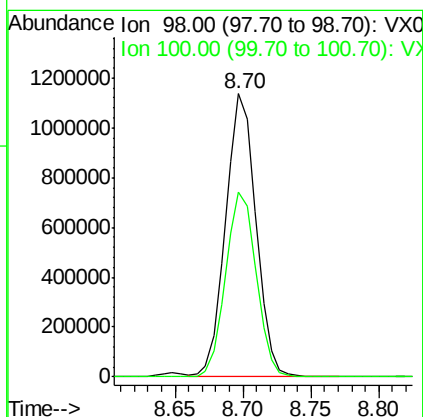
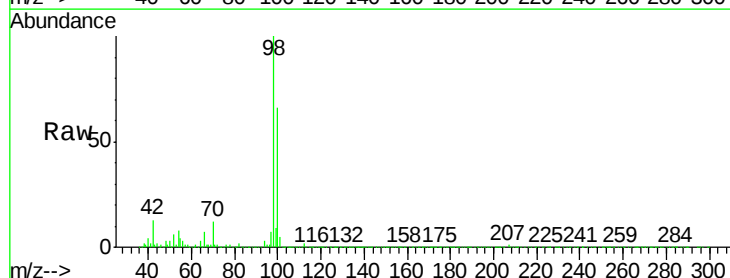
Acq: 23 Apr 2020 04:43

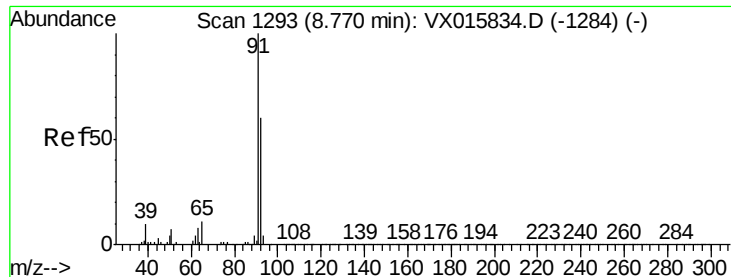
Tgt Ion: 98 Resp: 1760112

Ion Ratio Lower Upper

98 100

100 66.3 53.8 80.6





#52

Toluene

Concen: 3.853 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX015873.D

Acq: 23 Apr 2020 04:43

Instrument :

MSVOA_X

ClientSampleId :

KY001MW079-200421

Tot Ion: 92 Resp: 97211

Ion Ratio Lower Upper

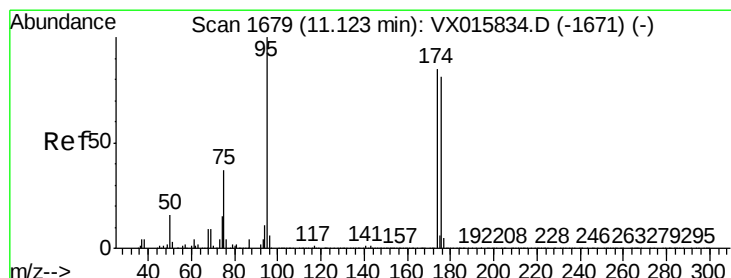
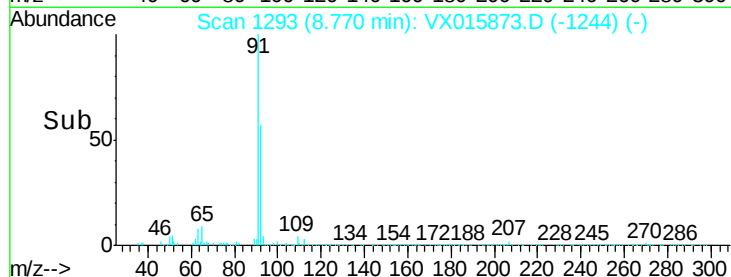
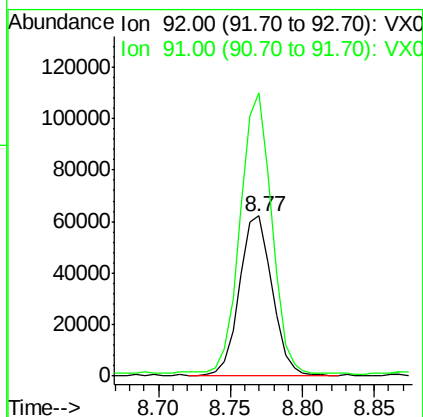
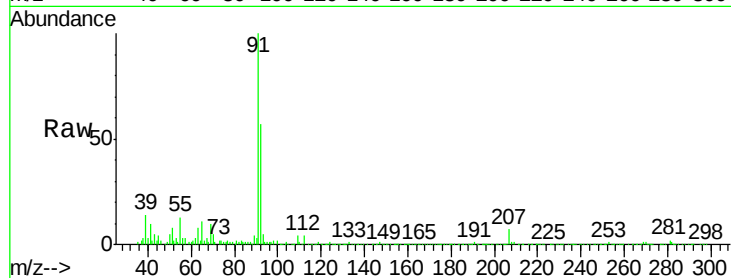
92 100

91 168.3 133.4 200.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 53.521 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015873.D

Acq: 23 Apr 2020 04:43

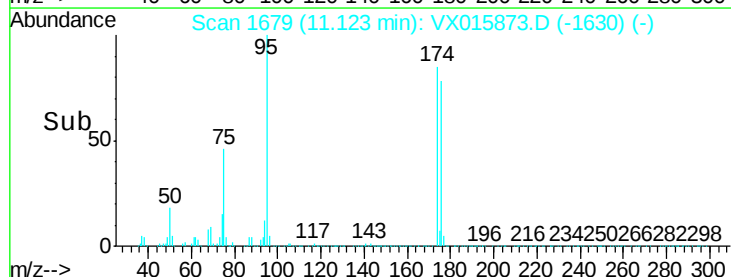
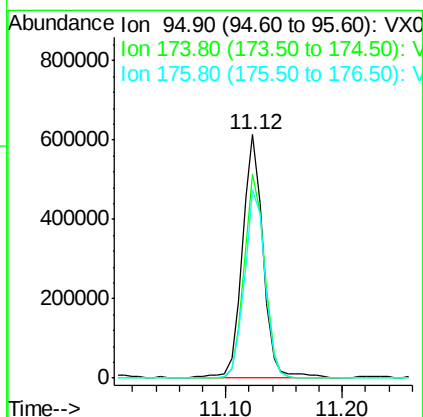
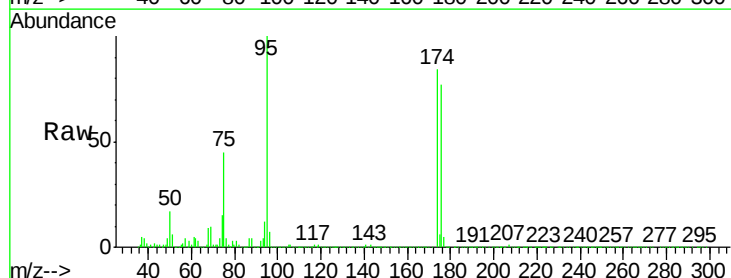
Tgt Ion: 95 Resp: 752101

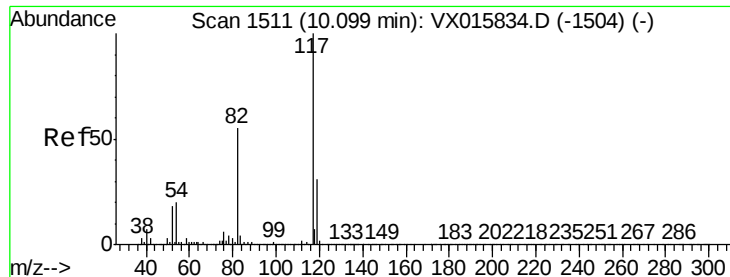
Ion Ratio Lower Upper

95 100

174 84.0 0.0 172.4

176 78.1 0.0 167.0





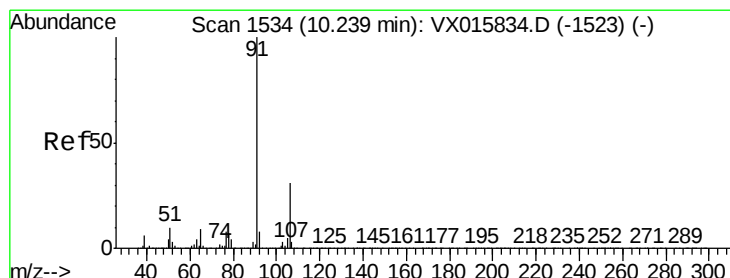
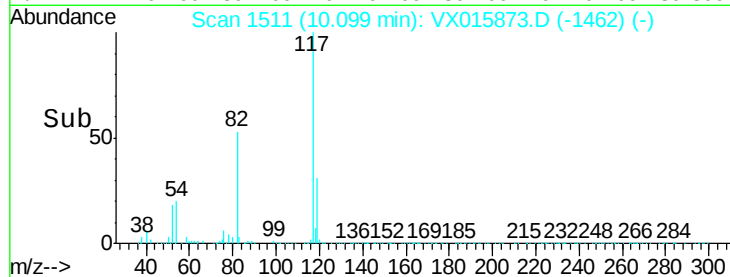
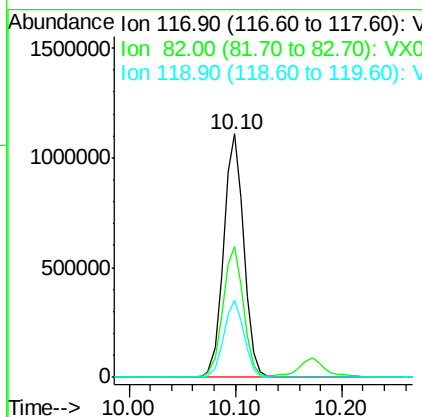
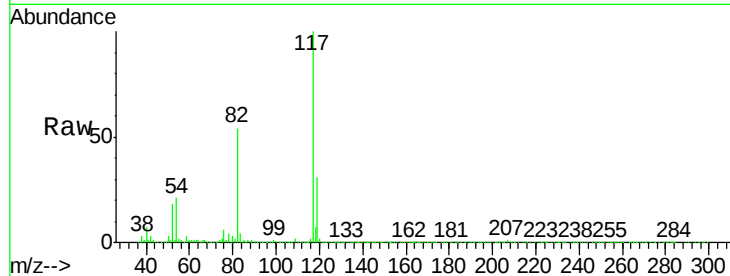
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015873.D
Acq: 23 Apr 2020 04:43

Instrument :
MSVOA_X
ClientSampleId :
KY001MW079-200421

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	43.9	65.9
119	31.5	25.1	37.7

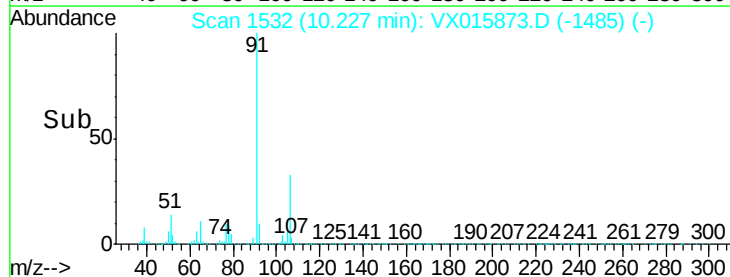
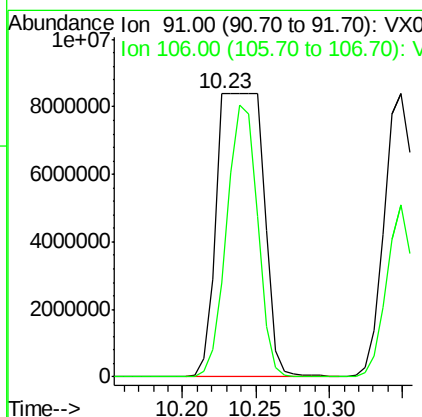
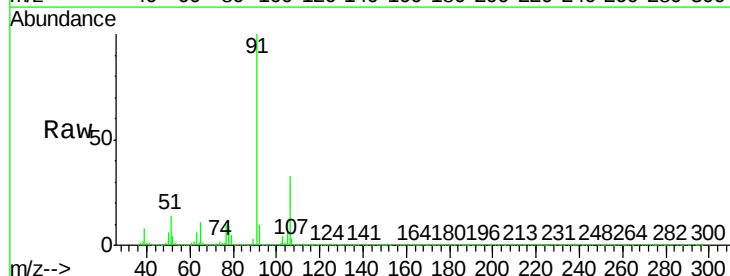
Manual Integrations
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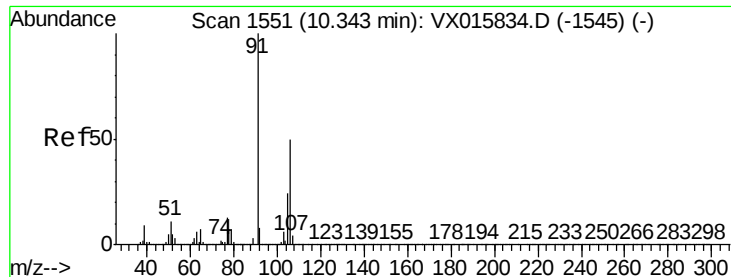
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#67
Ethyl Benzene
Concen: 360.285 ug/l m
RT: 10.23 min Scan# 1532
Delta R.T. -0.01 min
Lab File: VX015873.D
Acq: 23 Apr 2020 04:43

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.0	25.0	37.4





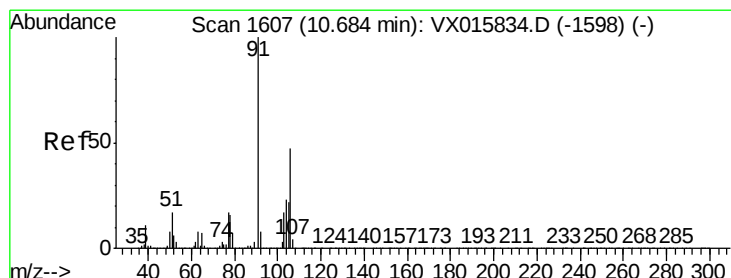
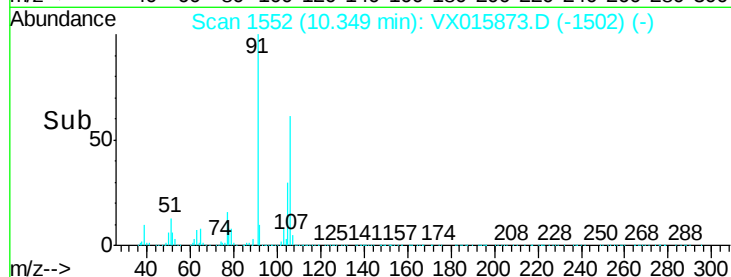
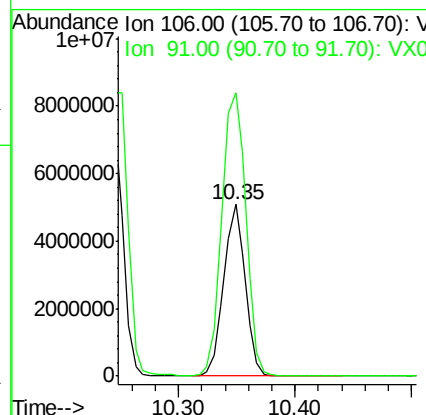
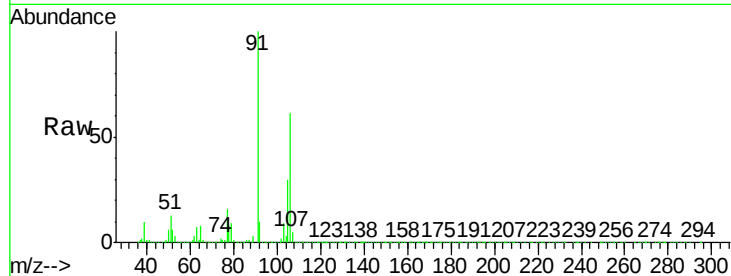
#68
m/p-Xylenes
Concen: 331.839 ug/l
RT: 10.35 min Scan# 1552
Delta R.T. 0.01 min
Lab File: VX015873.D
Acq: 23 Apr 2020 04:43

Instrument :
MSVOA_X
ClientSampleId :
KY001MW079-200421

Tot Ion:106 Resp: 6448407
Ion Ratio Lower Upper
106 100
91 184.7 161.1 241.7

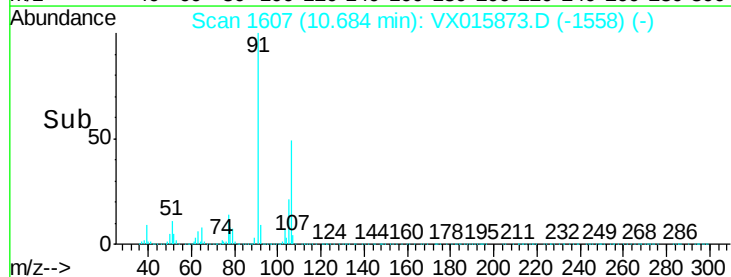
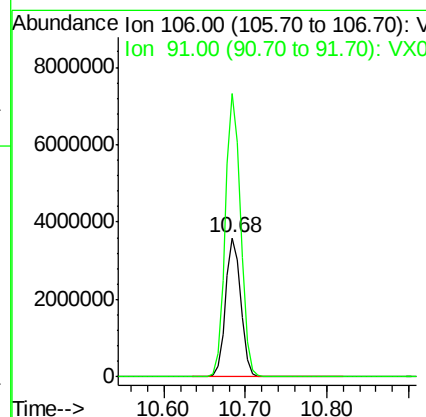
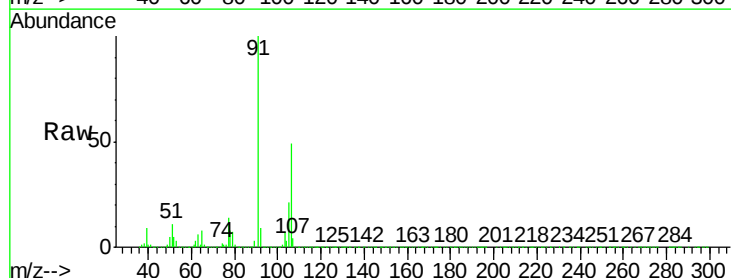
Manual Integrations
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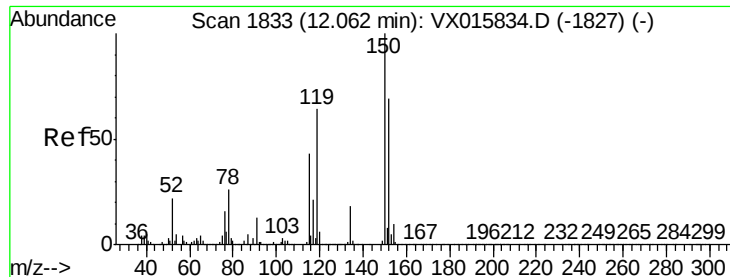
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#69
o-Xylene
Concen: 244.462 ug/l
RT: 10.68 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VX015873.D
Acq: 23 Apr 2020 04:43

Tgt Ion:106 Resp: 4674725
Ion Ratio Lower Upper
106 100
91 205.9 107.1 321.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015873.D

Acq: 23 Apr 2020 04:43

Instrument :

MSVOA_X

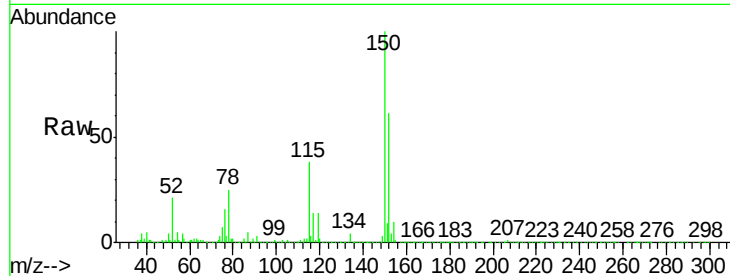
ClientSampleId :

KY001MW079-200421

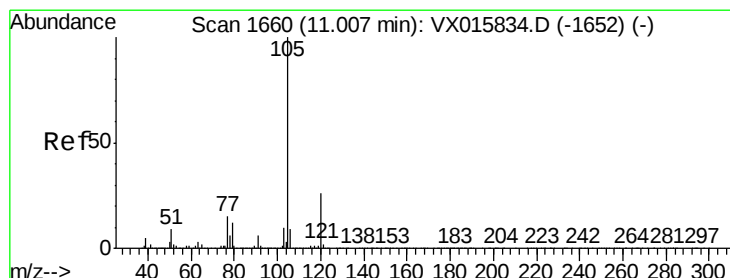
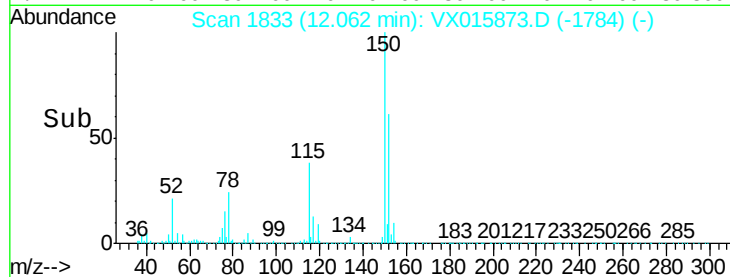
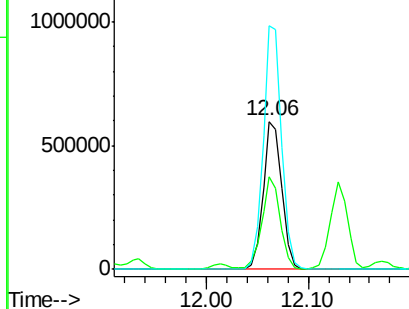
Tot Ion:	152	Resp:	759304
Ion Ratio	Lower	Upper	
152	100		
115	61.2	39.0	116.9
150	162.4	0.0	336.8

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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: 294.301 ug/l

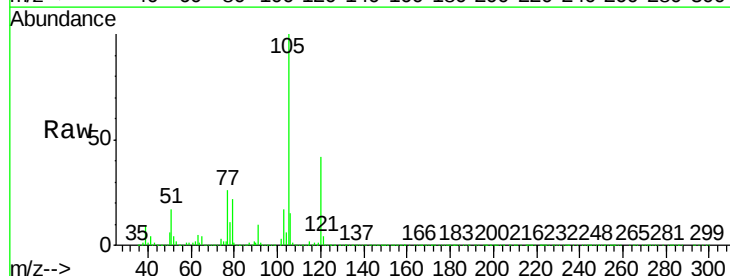
RT: 11.00 min Scan# 1659

Delta R.T. -0.01 min

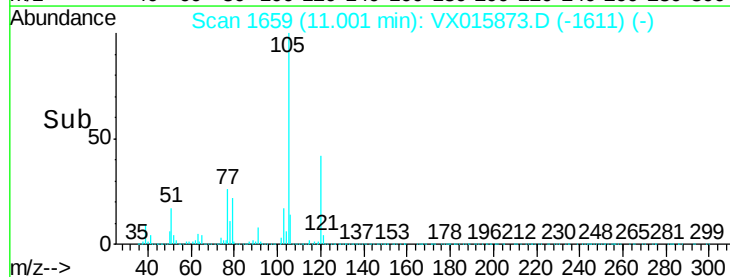
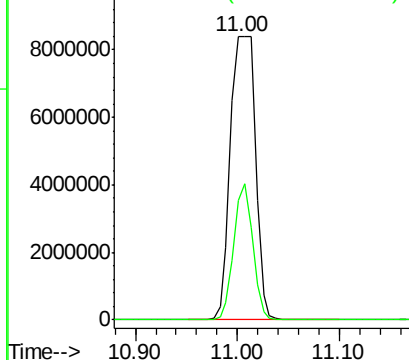
Lab File: VX015873.D

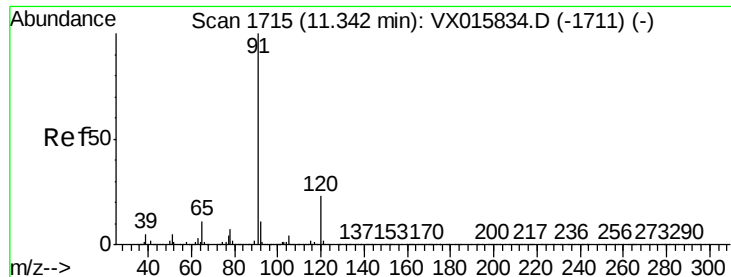
Acq: 23 Apr 2020 04:43

Tgt Ion:	105	Resp:	14192188
Ion Ratio	Lower	Upper	
105	100		
120	36.1	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: 279.093 ug/l

RT: 11.34 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VX015873.D

Acq: 23 Apr 2020 04:43

Instrument :

MSVOA_X

ClientSampleId :

KY001MW079-200421

Tot Ion: 91 Resp: 15417716

Ion Ratio Lower Upper

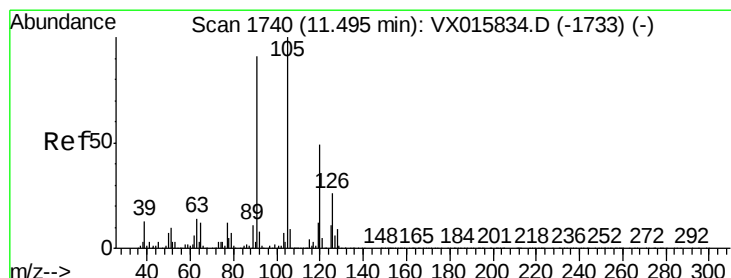
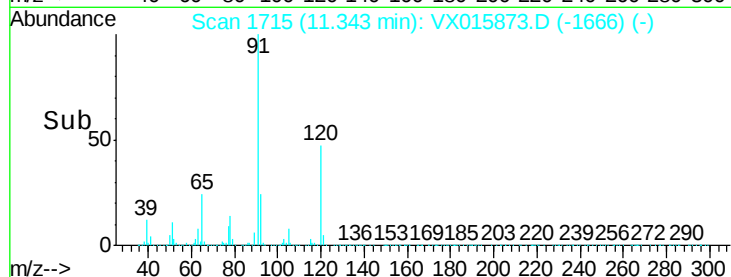
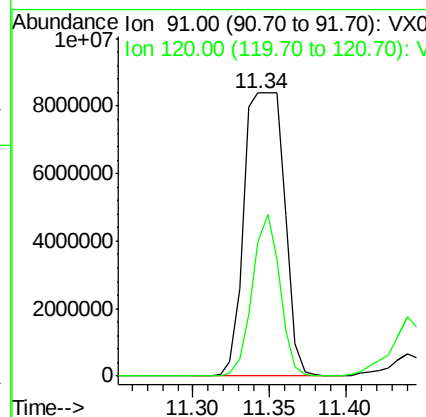
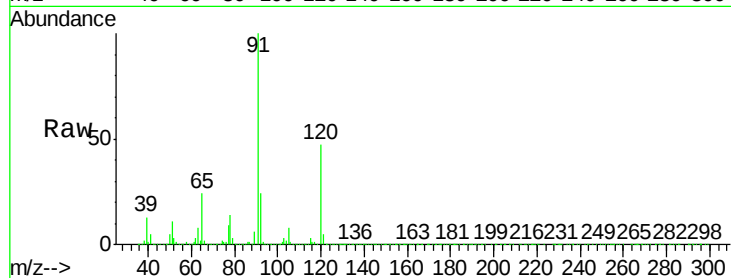
91 100

120 38.8 11.7 35.1#

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#80

1,3,5-Trimethylbenzene

Concen: 216.799 ug/l

RT: 11.49 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VX015873.D

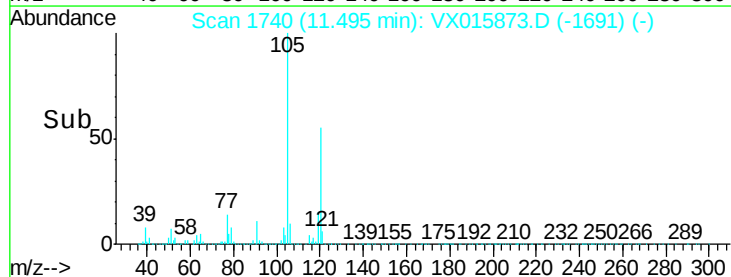
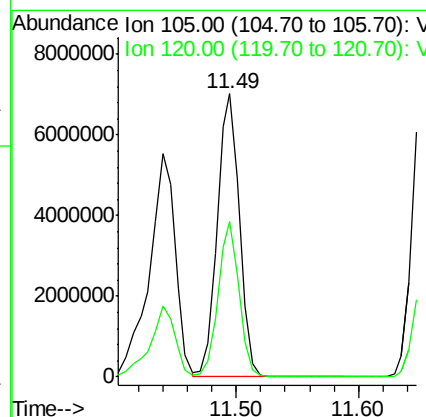
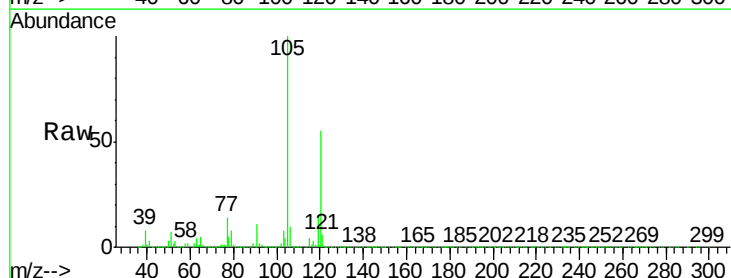
Acq: 23 Apr 2020 04:43

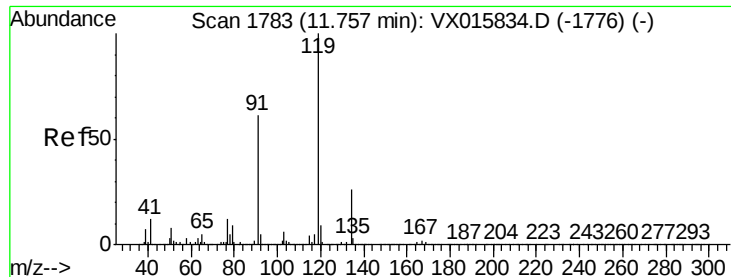
Tgt Ion: 105 Resp: 8914639

Ion Ratio Lower Upper

105 100

120 51.7 24.9 74.7





#83

tert-Butylbenzene

Concen: 2.465 ug/l m

RT: 11.76 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX015873.D

Acq: 23 Apr 2020 04:43

Instrument :

MSVOA_X

ClientSampleId :

KY001MW079-200421

Tot Ion:119 Resp: 89894

Ion Ratio Lower Upper

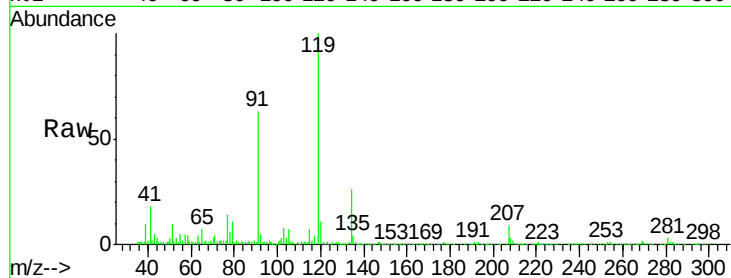
119 100

91 4254.5 30.9 92.7

134 0.0 12.4 37.2#

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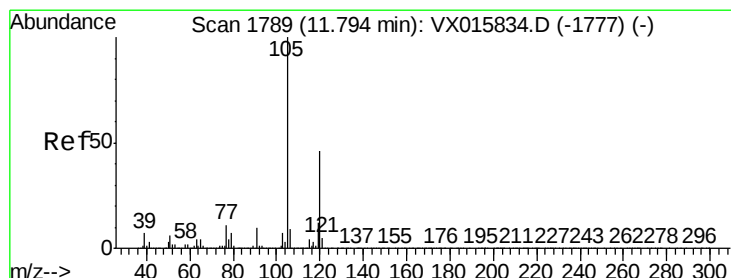
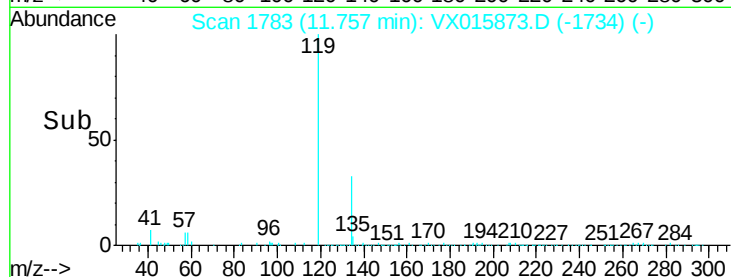
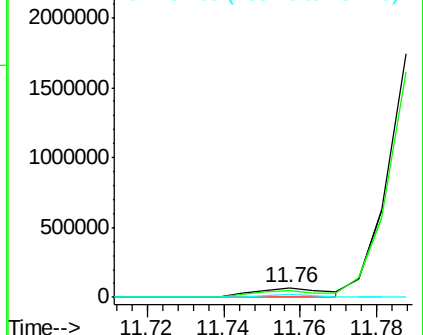
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 395.285 ug/l m

RT: 11.79 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VX015873.D

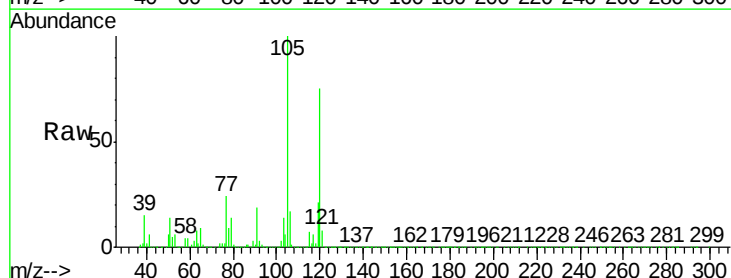
Acq: 23 Apr 2020 04:43

Tgt Ion:105 Resp:16874496

Ion Ratio Lower Upper

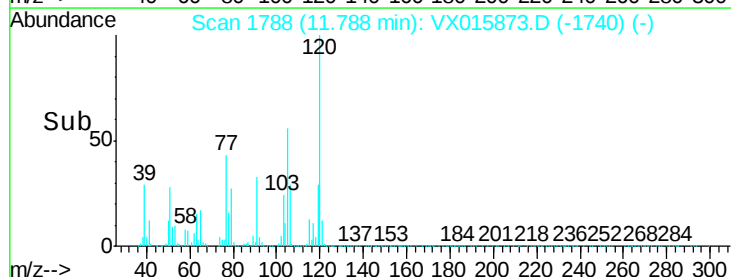
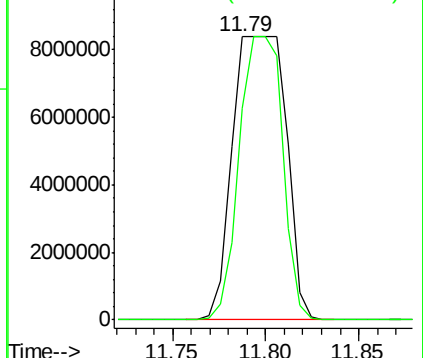
105 100

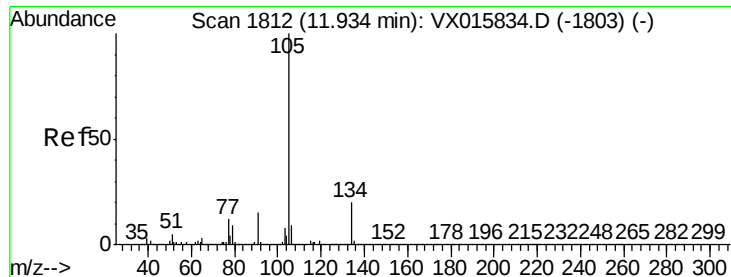
120 21.9 22.9 68.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 25.411 ug/l

RT: 11.93 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VX015873.D

Acq: 23 Apr 2020 04:43

Instrument :

MSVOA_X

ClientSampleId :

KY001MW079-200421

Tot Ion:105 Resp: 1221808

Ion Ratio Lower Upper

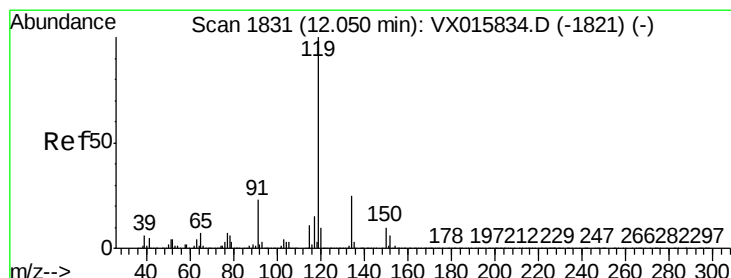
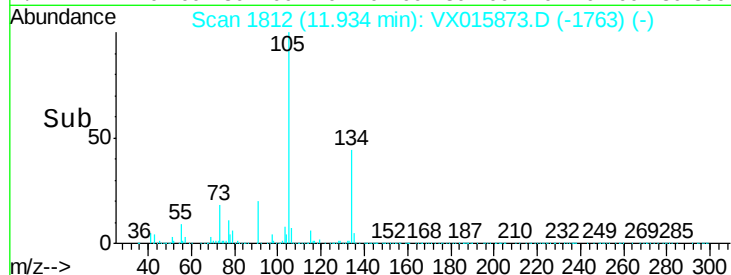
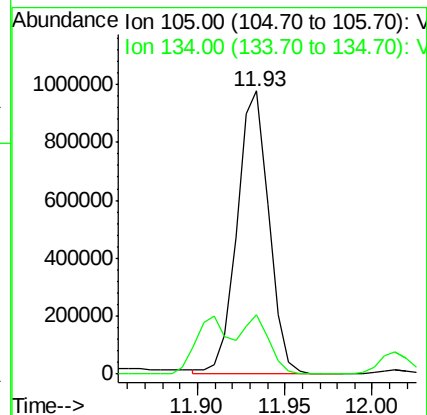
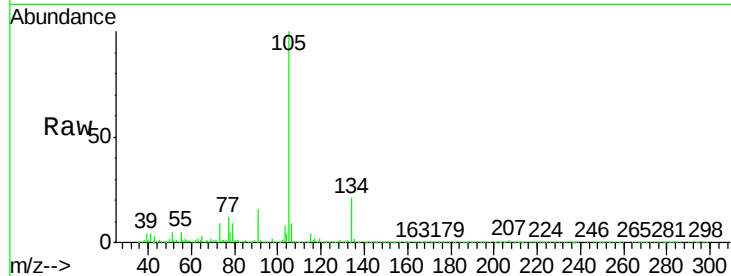
105 100

134 16.7 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 9.049 ug/l m

RT: 12.05 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VX015873.D

Acq: 23 Apr 2020 04:43

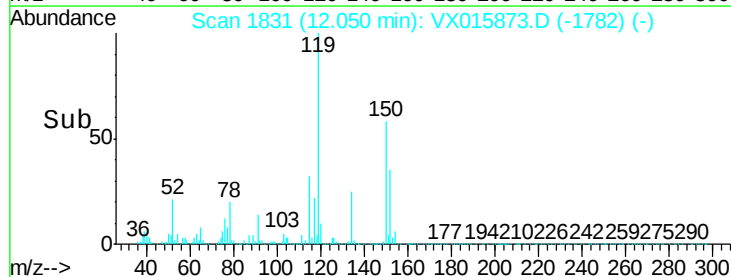
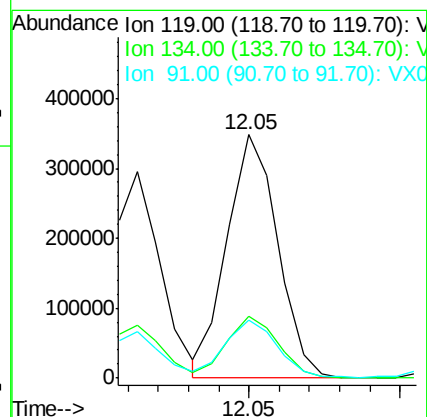
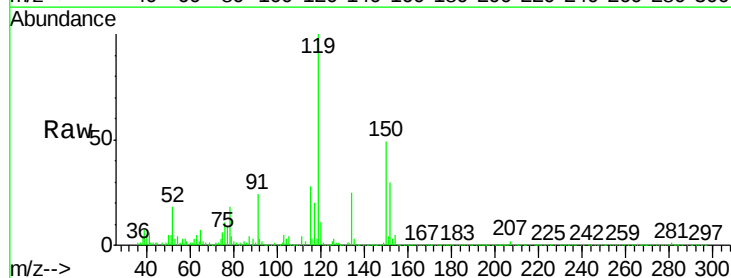
Tgt Ion:119 Resp: 406830

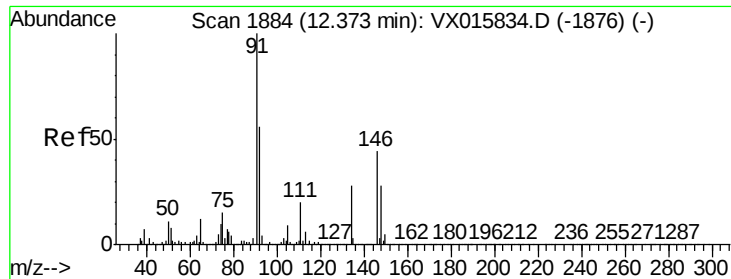
Ion Ratio Lower Upper

119 100

134 47.5 13.0 38.9#

91 40.5 11.5 34.5#





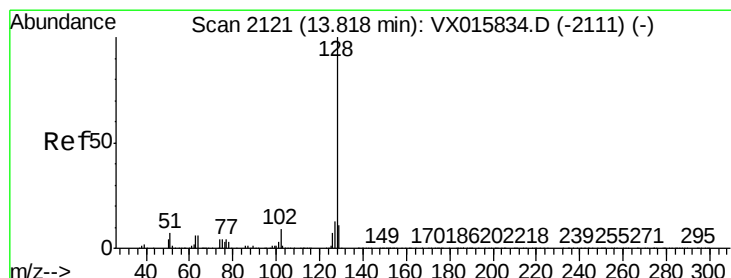
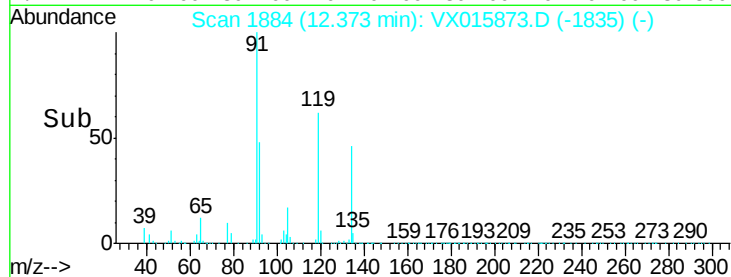
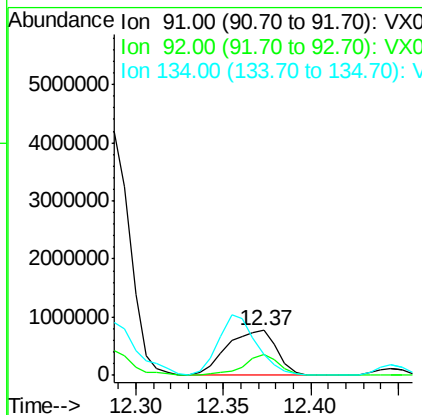
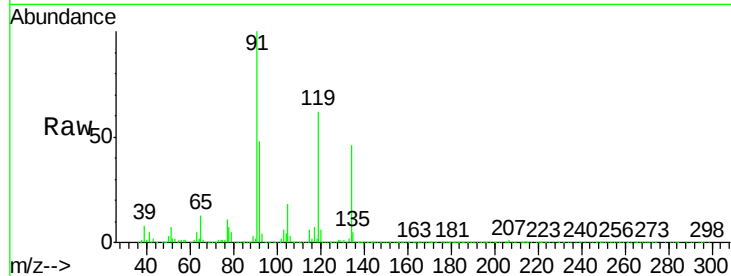
#89
n-Butylbenzene
Concen: 37.432 ug/l
RT: 12.37 min Scan# 1884
Delta R.T. 0.00 min
Lab File: VX015873.D
Acq: 23 Apr 2020 04:43

Instrument :
MSVOA_X
ClientSampleId :
KY001MW079-200421

Tot Ion: 91 Resp: 1504652
Ion Ratio Lower Upper
91 100
92 33.7 27.7 83.1
134 104.8 14.1 42.4#

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#95
Naphthalene
Concen: 228.476 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. 0.00 min
Lab File: VX015873.D
Acq: 23 Apr 2020 04:43

Tgt Ion: 128 Resp: 11881240
Ion Ratio Lower Upper
128 100
127 15.1 10.5 15.7
129 13.1 8.5 12.7#

