

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042220\
 Data File : VX015867.D
 Acq On : 23 Apr 2020 02:27
 Operator : JC/SP
 Sample : L2380-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW038-200421

Manual Integrations
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MMDadoda
 4/23/2020 12:15:50 PM

Quant Time: Apr 23 12:25:15 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	5.63	168	936633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1464785	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1424177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	775015	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	527100	49.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.96%	
35) Dibromofluoromethane	5.47	113	434368	51.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.74%	
50) Toluene-d8	8.70	98	1744106	51.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.48%	
62) 4-Bromofluorobenzene	11.12	95	741199	53.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.16%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.01	59	50283	23.102	ug/l #	73
16) Acetone	2.42	43	111631	24.066	ug/l	96
19) Methyl tert-butyl Ether	3.17	73	501889	17.329	ug/l #	1
25) 2-Butanone	4.64	43	54792	7.473	ug/l	99
31) Cyclohexane	5.56	56	1981440	127.309	ug/l	94
39) Methylcyclohexane	7.44	83	1728479	105.110	ug/l	94
40) Benzene	6.12	78	554859	14.187	ug/l	98
52) Toluene	8.77	92	84799	3.383	ug/l	96
67) Ethyl Benzene	10.24	91	1249314	24.981	ug/l	100
68) m/p-Xylenes	10.34	106	331428	17.656	ug/l	98
69) o-Xylene	10.68	106	9569	0.518	ug/l	79
73) Isopropylbenzene	11.00	105	6569956	133.478	ug/l	98
78) n-propylbenzene	11.34	91	9025850	160.075	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	353346	8.419	ug/l	98
83) tert-Butylbenzene	11.76	119	27882	0.749	ug/l	95
84) 1,2,4-Trimethylbenzene	11.79	105	704416	16.166	ug/l	98
85) sec-Butylbenzene	11.93	105	319423	6.509	ug/l	91
86) p-Isopropyltoluene	12.05	119	33668m	0.734	ug/l	
89) n-Butylbenzene	12.37	91	318544m	7.764	ug/l	
95) Naphthalene	13.82	128	12326600	232.235	ug/l #	94

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

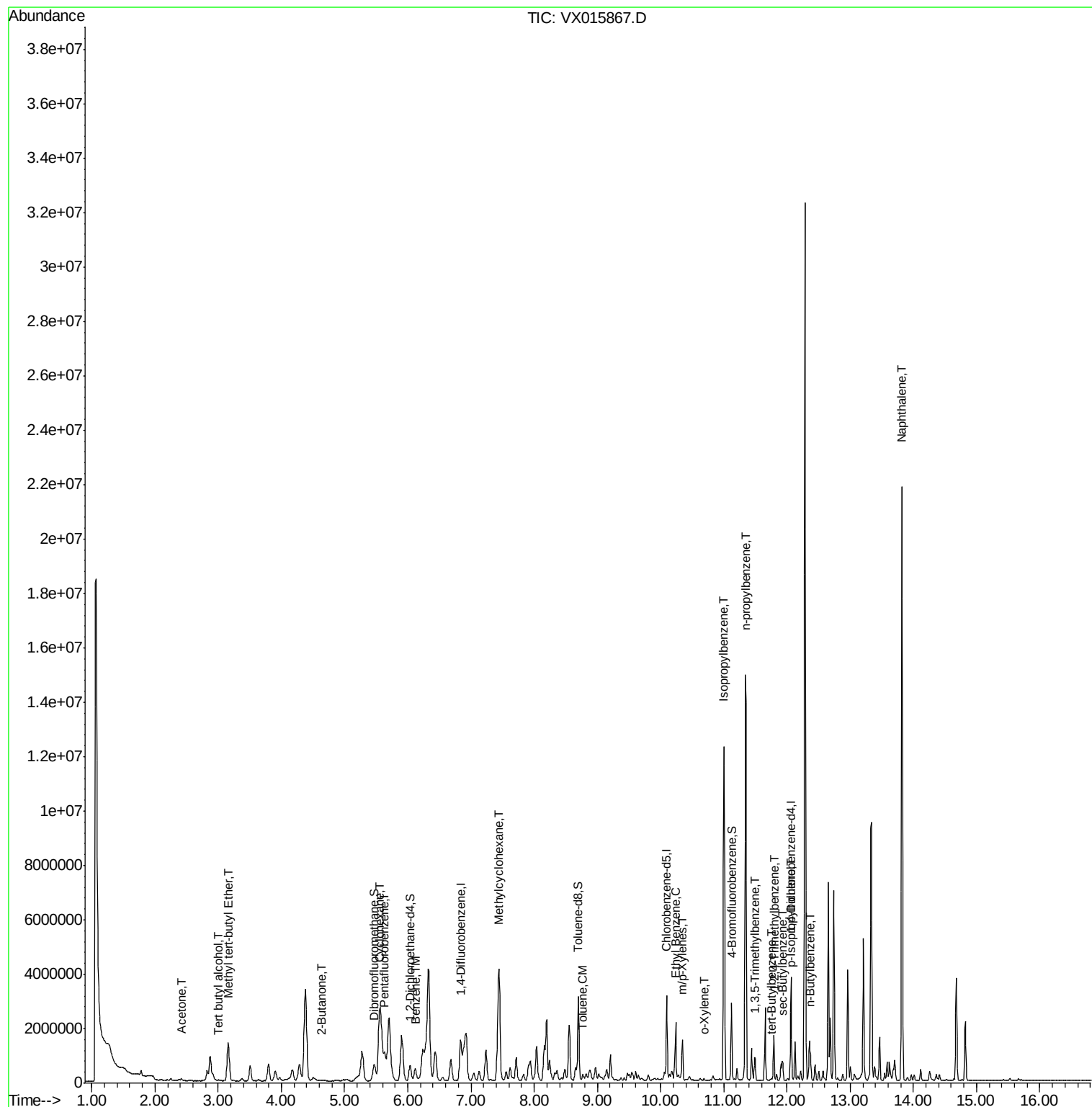
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042220\
Data File : VX015867.D
Acq On : 23 Apr 2020 02:27
Operator : JC/SP
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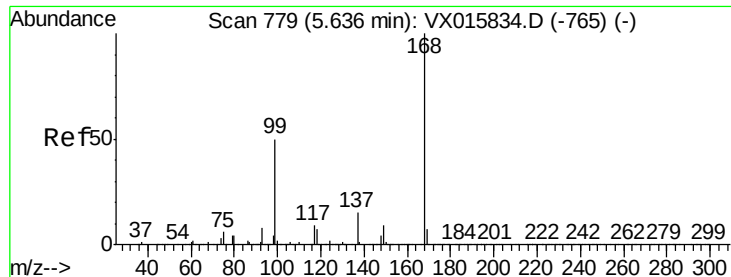
Instrument :
MSVOA_X
ClientSampleId :
KY001MW038-200421

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Quant Time: Apr 23 12:25:15 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: 5.63 min Scan# 778

Delta R.T. -0.01 min

Lab File: VX015867.D

Acq: 23 Apr 2020 02:27

Instrument :

MSVOA_X

ClientSampleId :

KY001MW038-200421

Tot Ion:168 Resp: 936633

Ion Ratio Lower Upper

168 100

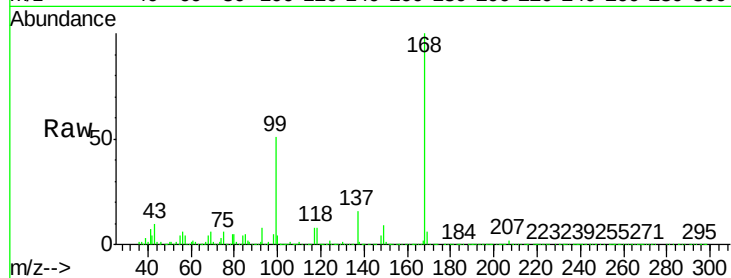
99 50.8 40.3 60.5

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

400000

300000

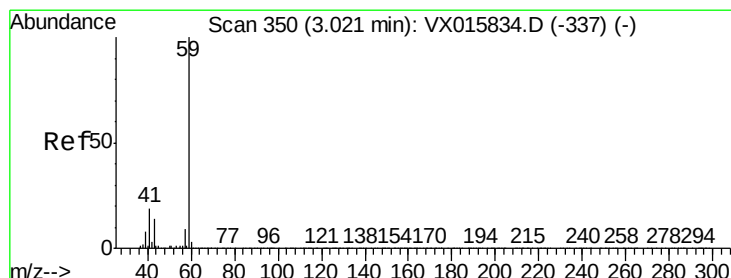
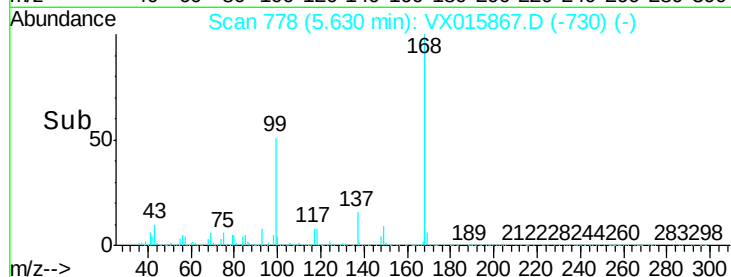
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#11

Tert butyl alcohol

Concen: 23.102 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.01 min

Lab File: VX015867.D

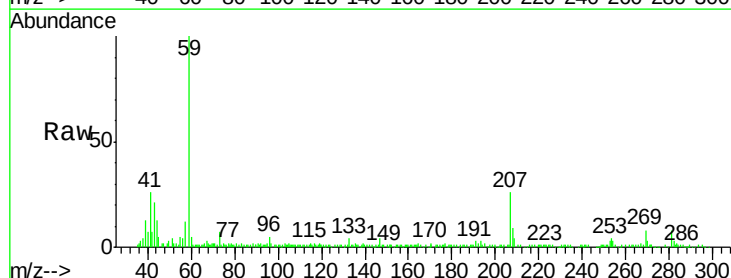
Acq: 23 Apr 2020 02:27

Tgt Ion: 59 Resp: 50283

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

400000

300000

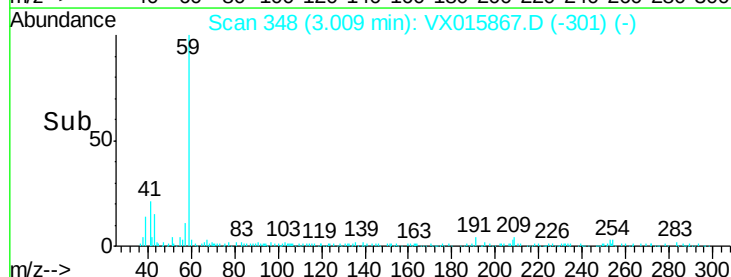
200000

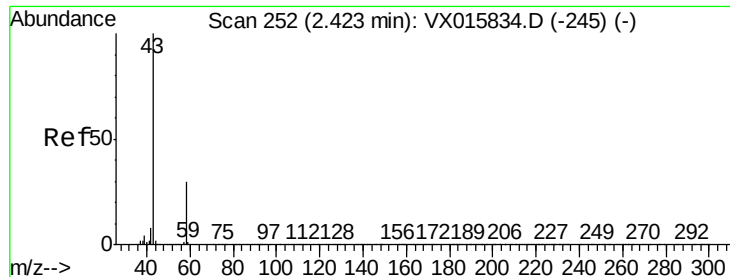
100000

0

2.90 3.00 3.10

Time-->





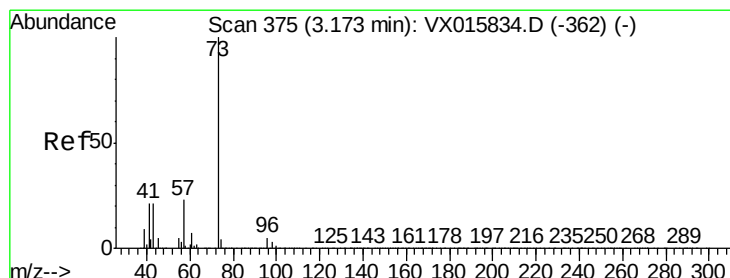
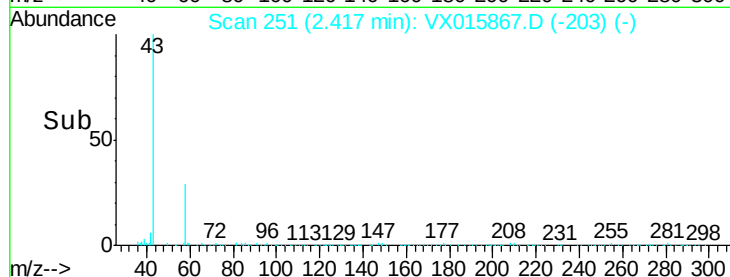
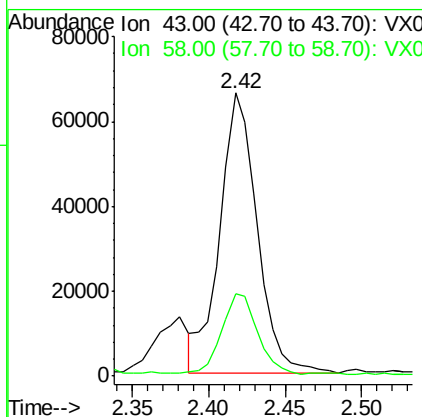
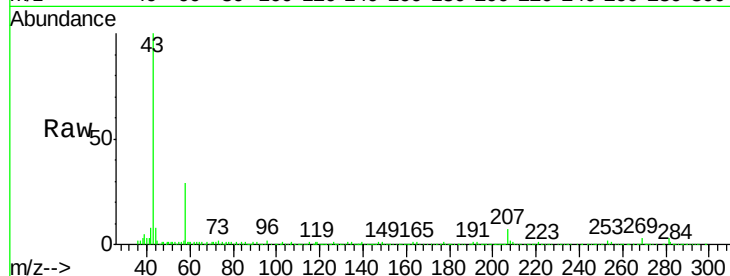
#16
Acetone
Concen: 24.066 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.01 min
Lab File: VX015867.D
Acq: 23 Apr 2020 02:27

Instrument :
MSVOA_X
ClientSampleId :
KY001MW038-200421

Tot Ion: 43 Resp: 111631
Ion Ratio Lower Upper
43 100
58 28.0 24.0 36.0

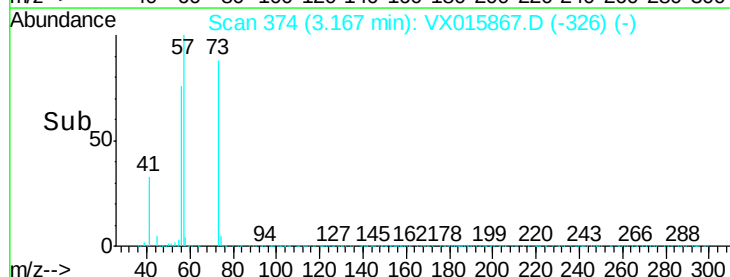
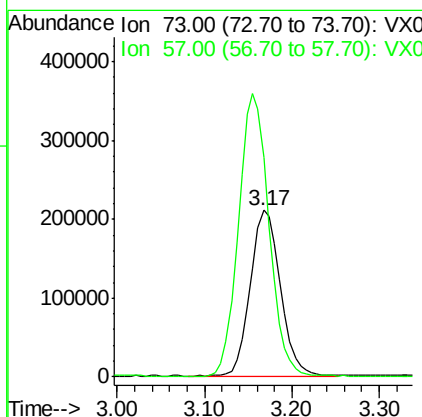
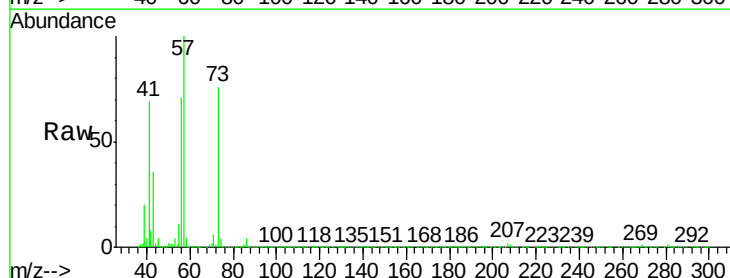
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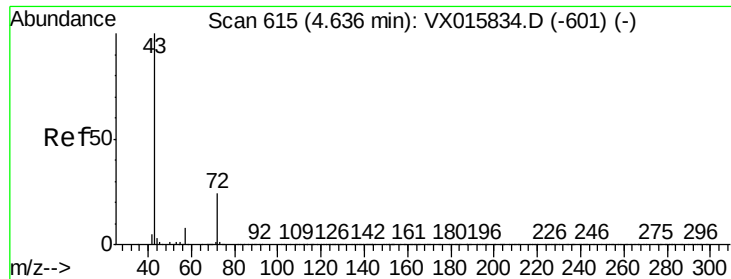
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#19
Methyl tert-butyl Ether
Concen: 17.329 ug/l
RT: 3.17 min Scan# 374
Delta R.T. -0.01 min
Lab File: VX015867.D
Acq: 23 Apr 2020 02:27

Tgt Ion: 73 Resp: 501889
Ion Ratio Lower Upper
73 100
57 132.2 18.1 27.1#





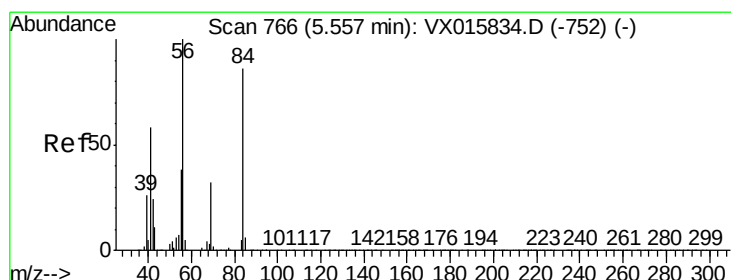
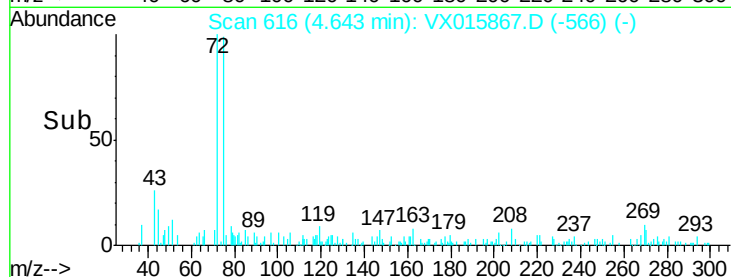
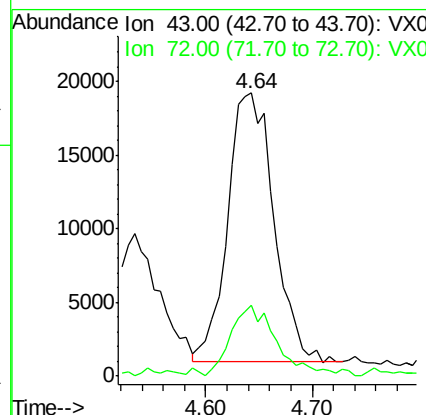
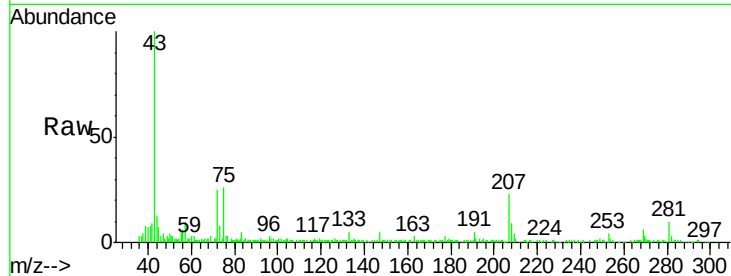
#25
2-Butanone
Concen: 7.473 ug/l
RT: 4.64 min Scan# 616
Delta R.T. 0.01 min
Lab File: VX015867.D
Acq: 23 Apr 2020 02:27

Instrument :
MSVOA_X
ClientSampleId :
KY001MW038-200421

Tot Ion: 43 Resp: 54792
Ion Ratio Lower Upper
43 100
72 23.8 19.4 29.2

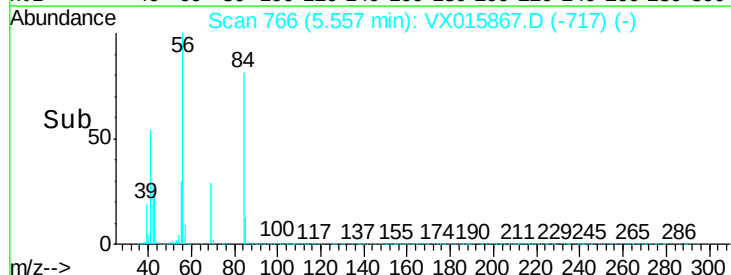
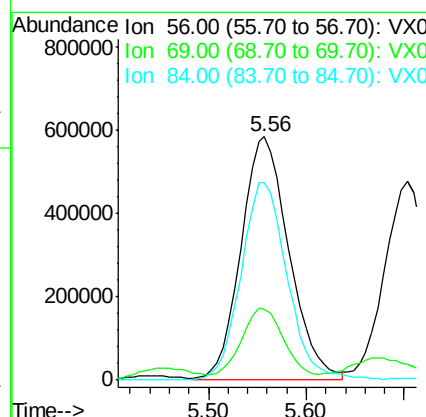
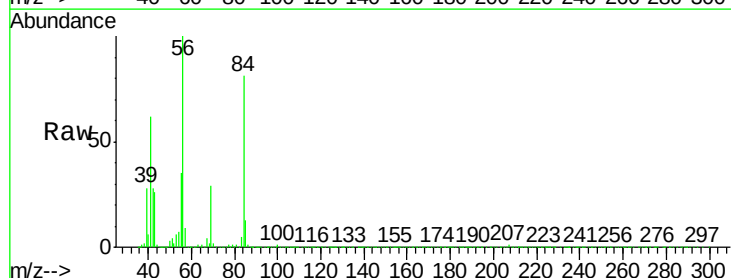
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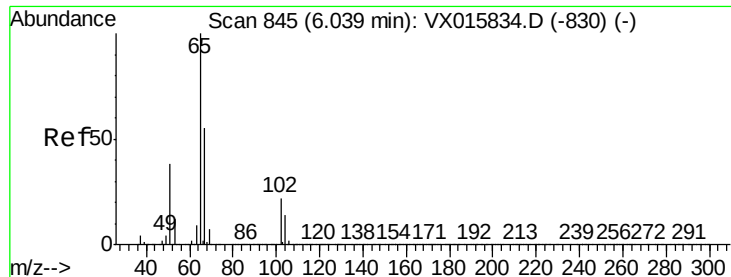
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#31
Cyclohexane
Concen: 127.309 ug/l
RT: 5.56 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX015867.D
Acq: 23 Apr 2020 02:27

Tgt Ion: 56 Resp: 1981440
Ion Ratio Lower Upper
56 100
69 26.3 25.3 37.9
84 81.4 69.1 103.7





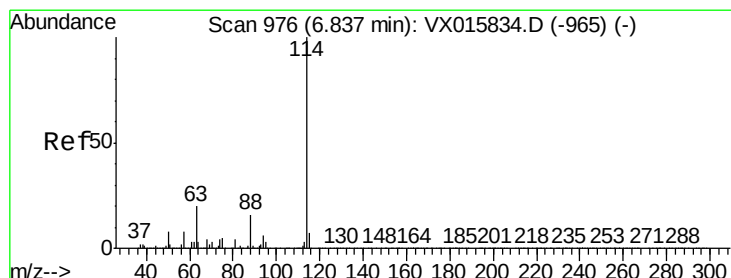
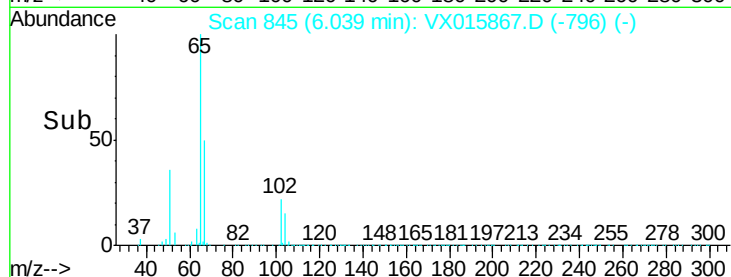
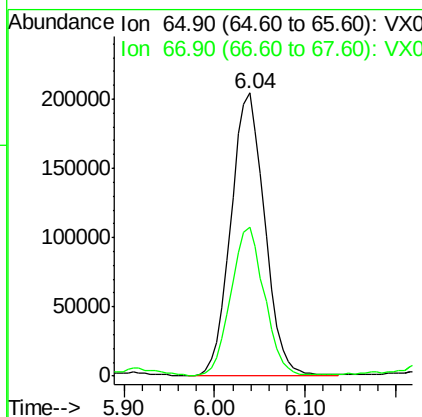
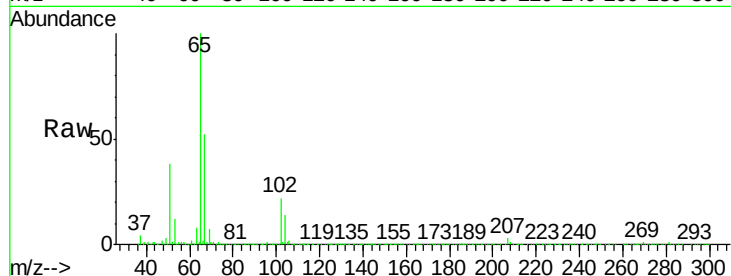
#33
 1,2-Dichloroethane-d4
 Concen: 49.480 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.00 min
 Lab File: VX015867.D
 Acq: 23 Apr 2020 02:27

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW038-200421

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.2

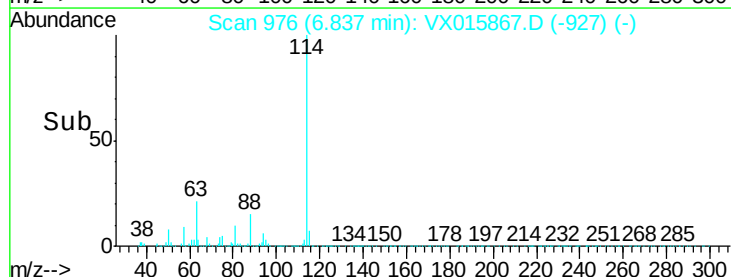
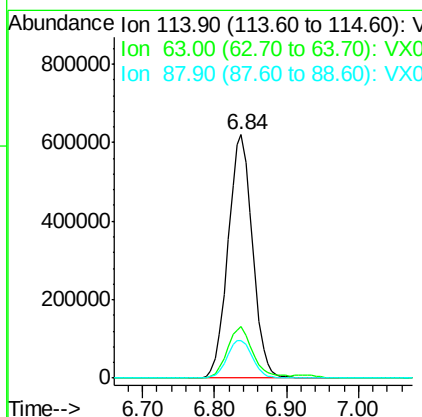
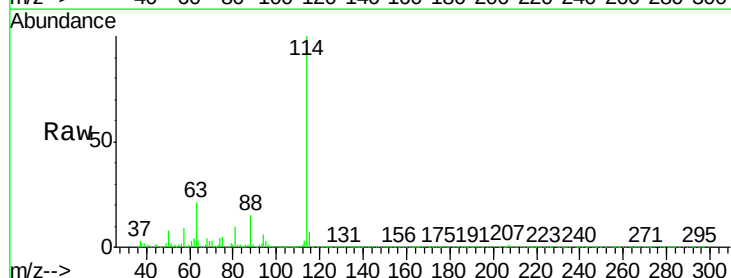
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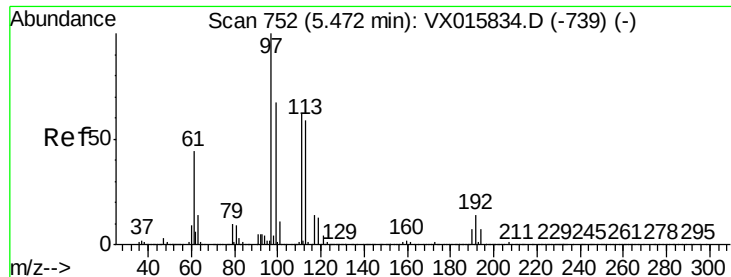
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VX015867.D
 Acq: 23 Apr 2020 02:27

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.6
88	15.1	0.0	32.8





#35

Dibromofluoromethane

Concen: 51.373 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015867.D

Acq: 23 Apr 2020 02:27

Instrument :

MSVOA_X

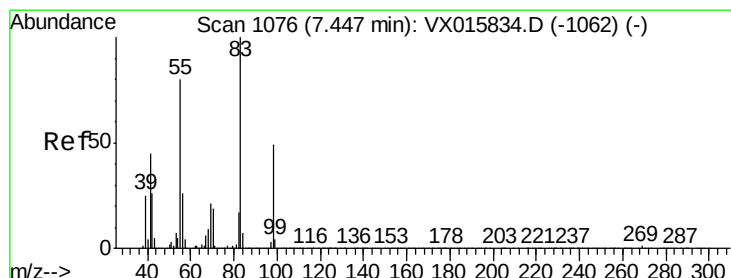
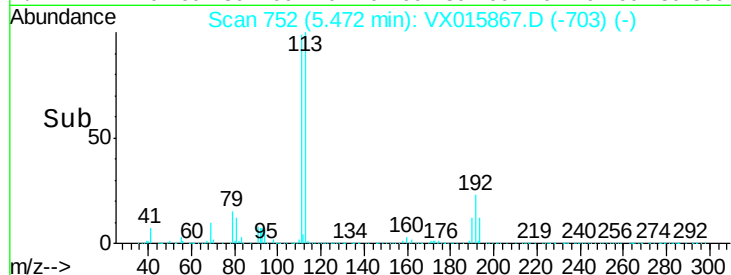
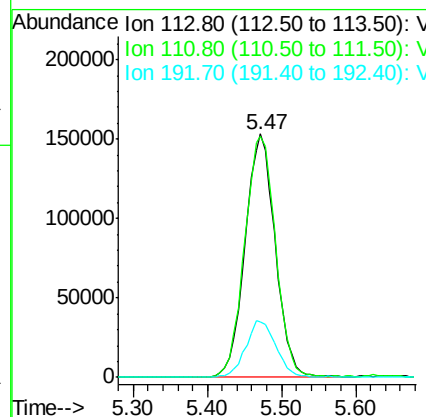
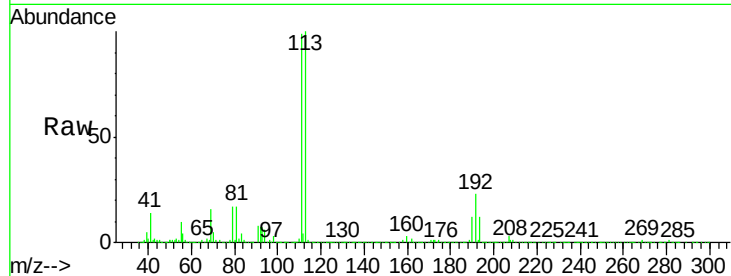
ClientSampleId :

KY001MW038-200421

Tot Ion:	113	Resp:	434368
Ion Ratio	Lower	Upper	
113	100		
111	101.7	82.7	124.1
192	23.3	19.3	28.9

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#39

Methylcyclohexane

Concen: 105.110 ug/l

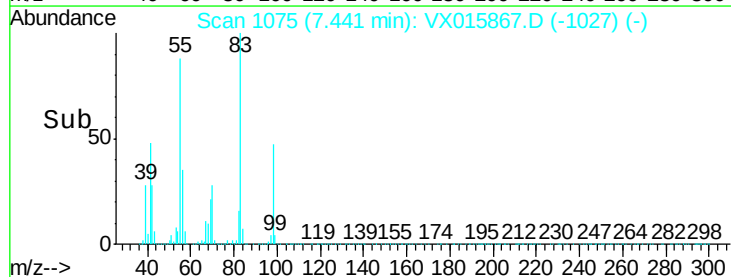
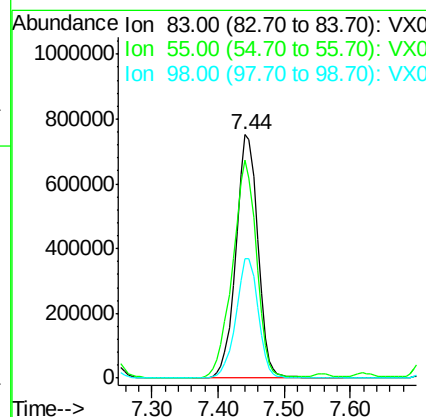
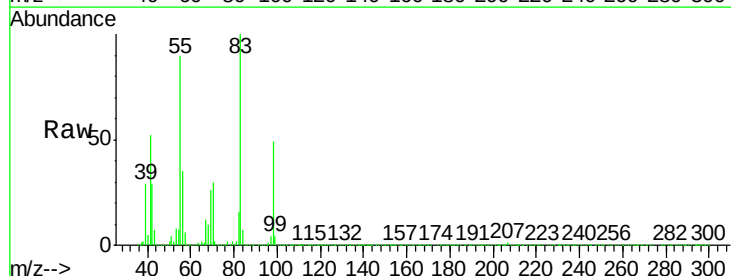
RT: 7.44 min Scan# 1075

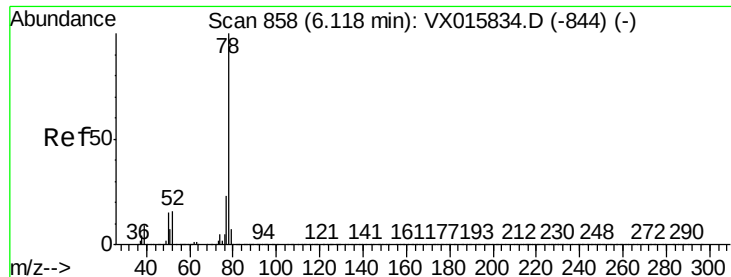
Delta R.T. -0.01 min

Lab File: VX015867.D

Acq: 23 Apr 2020 02:27

Tgt Ion:	83	Resp:	1728479
Ion Ratio	Lower	Upper	
83	100		
55	89.4	64.2	96.4
98	49.0	39.3	58.9





#40

Benzene

Concen: 14.187 ug/l

RT: 6.12 min Scan# 858

Delta R.T. 0.00 min

Lab File: VX015867.D

Acq: 23 Apr 2020 02:27

Instrument :

MSVOA_X

ClientSampleId :

KY001MW038-200421

Tot Ion: 78 Resp: 554859

Ion Ratio Lower Upper

78 100

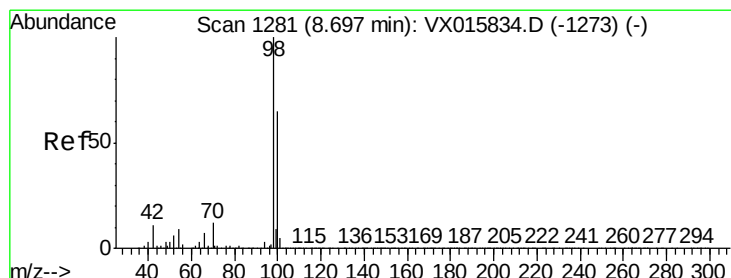
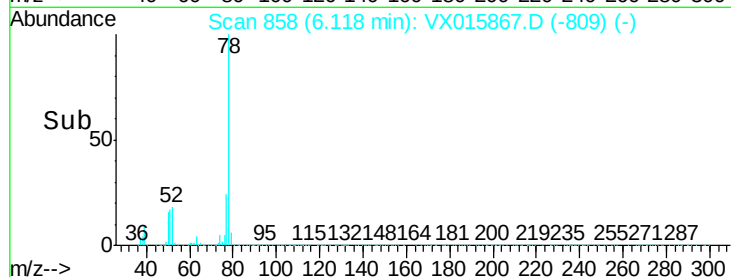
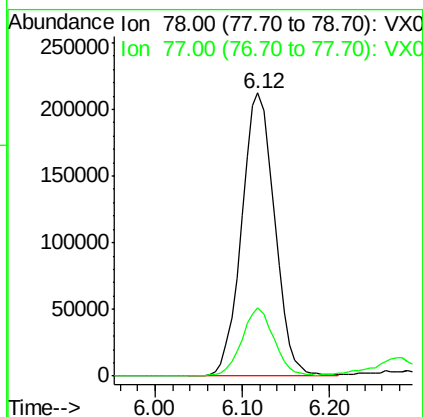
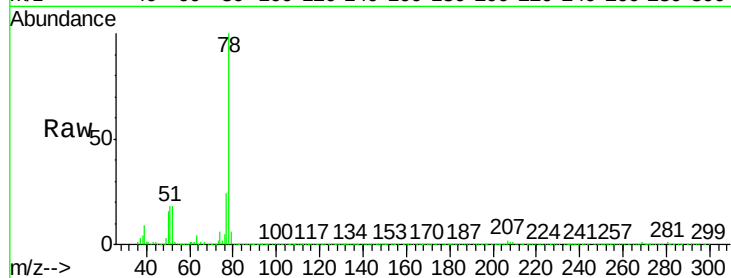
77 24.2 18.6 27.8

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#50

Toluene-d8

Concen: 51.241 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015867.D

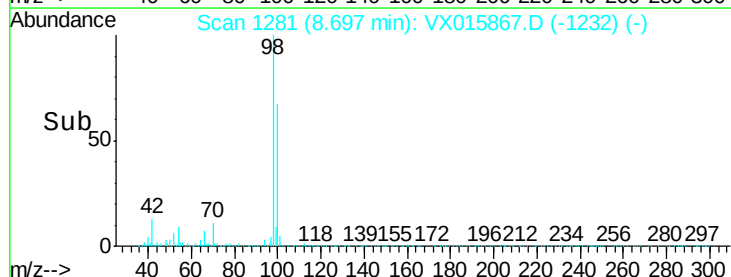
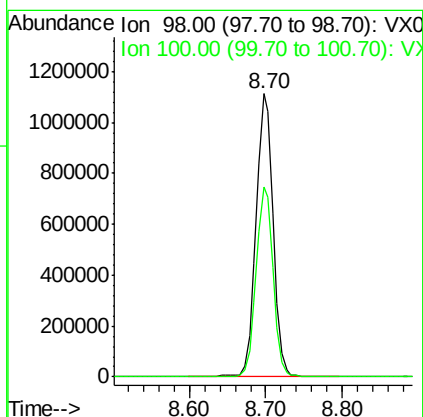
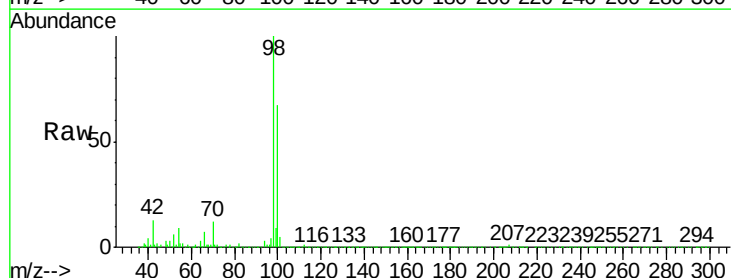
Acq: 23 Apr 2020 02:27

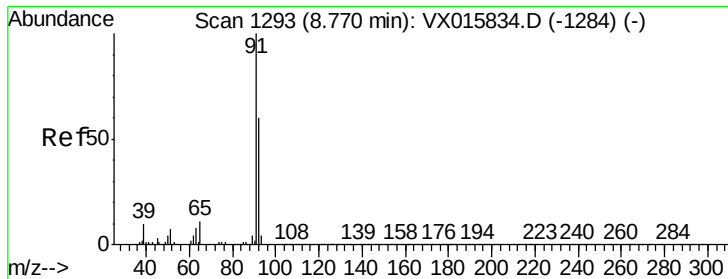
Tgt Ion: 98 Resp: 1744106

Ion Ratio Lower Upper

98 100

100 66.6 53.8 80.6





#52

Toluene

Concen: 3.383 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX015867.D

Acq: 23 Apr 2020 02:27

Instrument :

MSVOA_X

ClientSampleId :

KY001MW038-200421

Tot Ion: 92 Resp: 84799

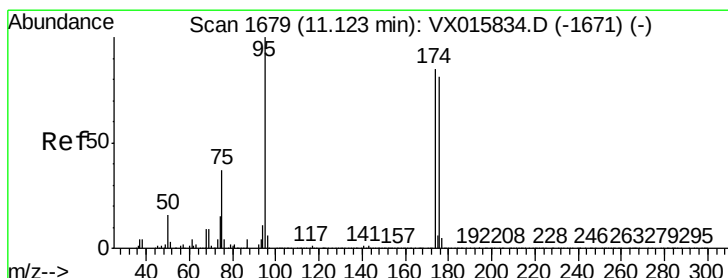
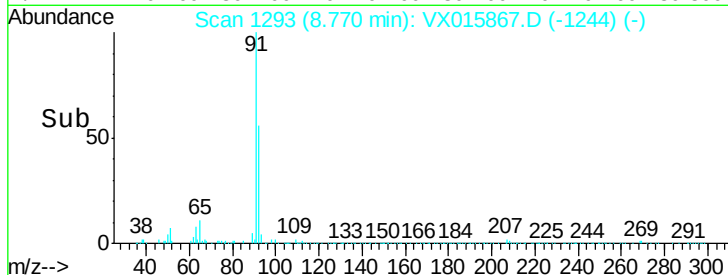
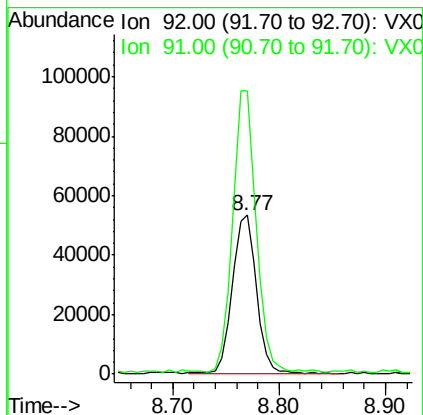
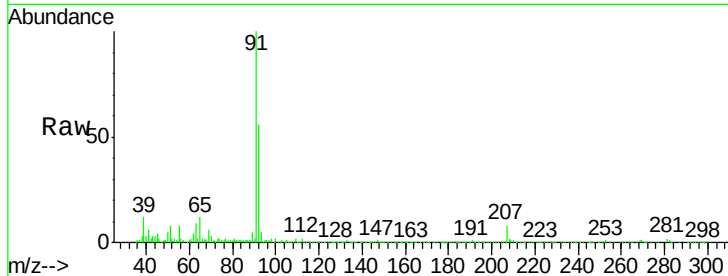
Ion Ratio Lower Upper

92 100

91 172.5 133.4 200.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 53.083 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015867.D

Acq: 23 Apr 2020 02:27

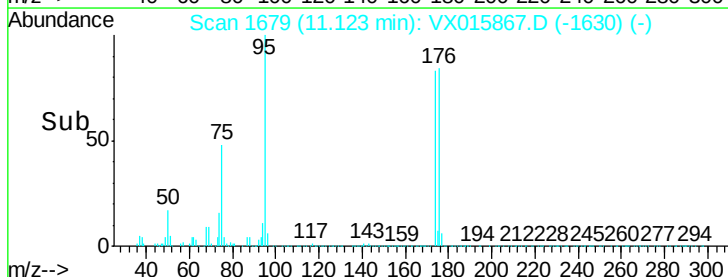
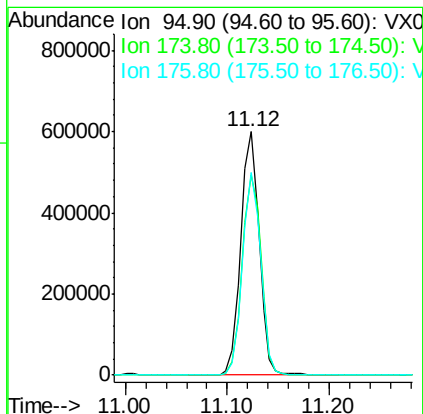
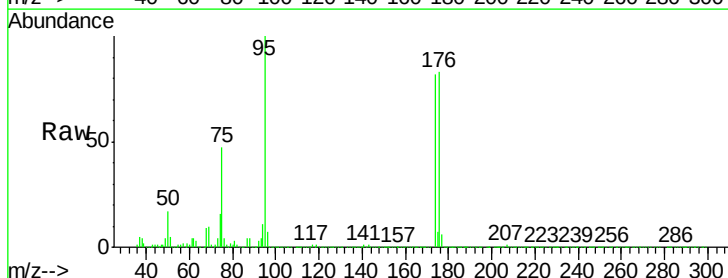
Tgt Ion: 95 Resp: 741199

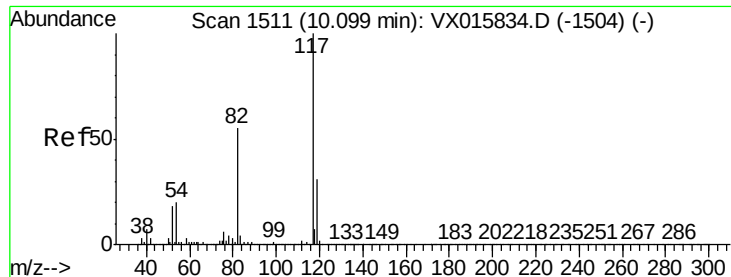
Ion Ratio Lower Upper

95 100

174 85.0 0.0 172.4

176 82.9 0.0 167.0





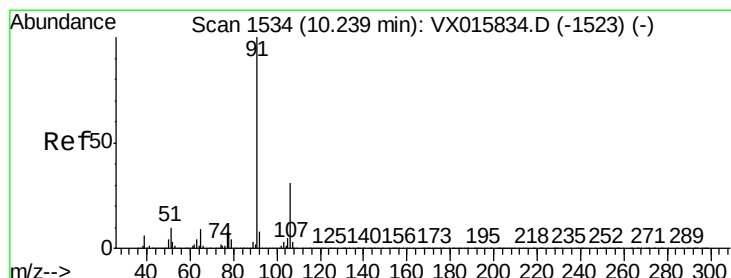
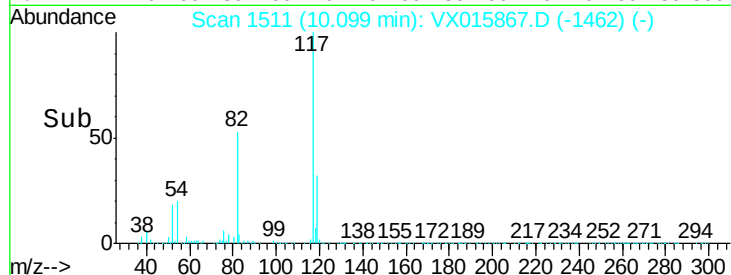
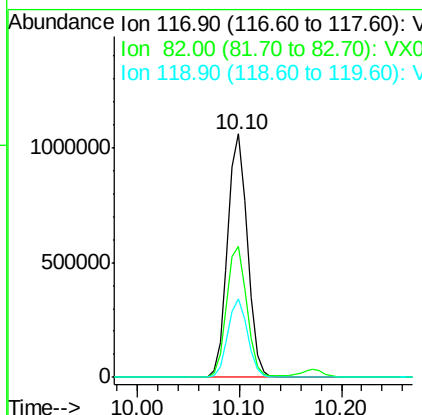
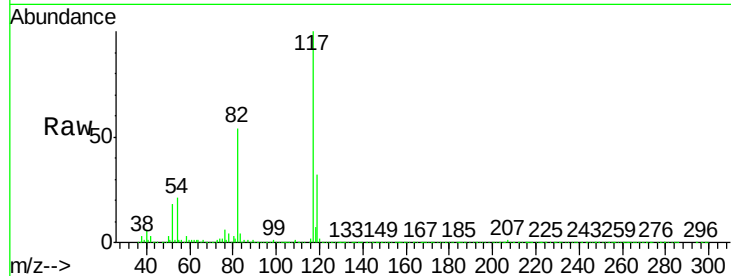
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015867.D
Acq: 23 Apr 2020 02:27

Instrument :
MSVOA_X
ClientSampleId :
KY001MW038-200421

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.9	65.9
119	32.5	25.1	37.7

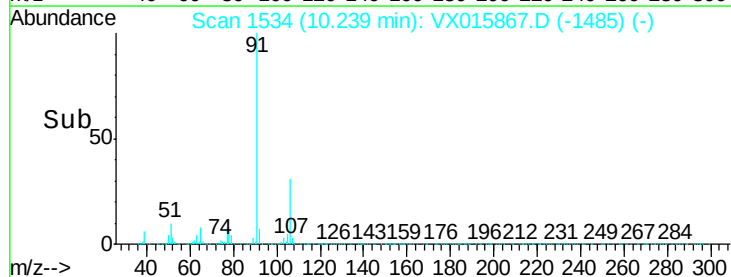
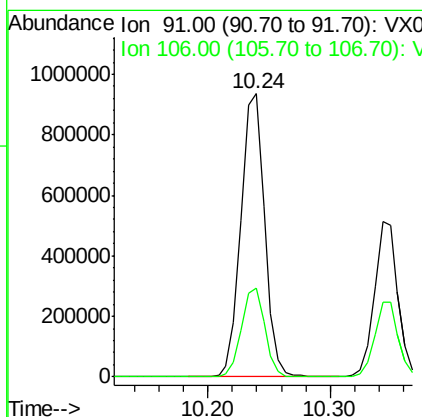
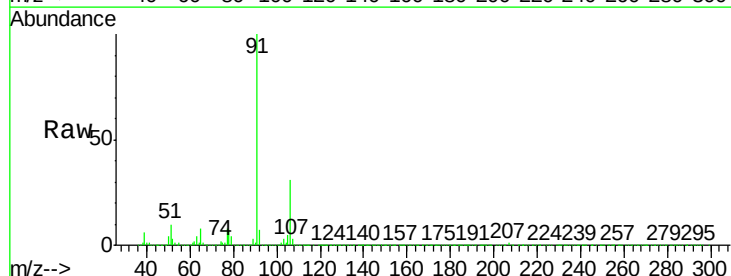
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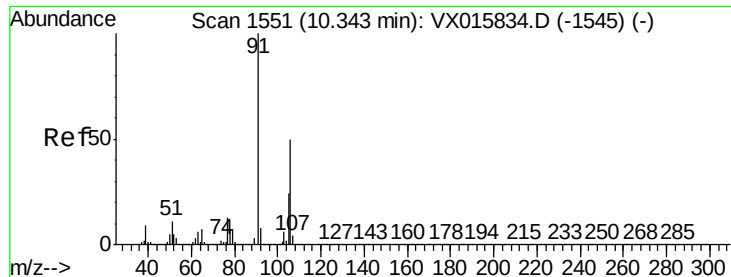
MMDadoda
4/23/2020 12:15:50 PM



#67
Ethyl Benzene
Concen: 24.981 ug/l
RT: 10.24 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VX015867.D
Acq: 23 Apr 2020 02:27

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.0	37.4





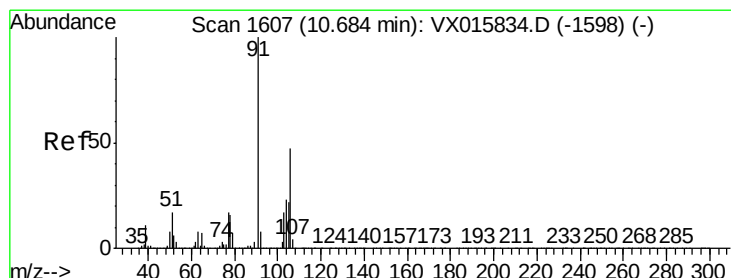
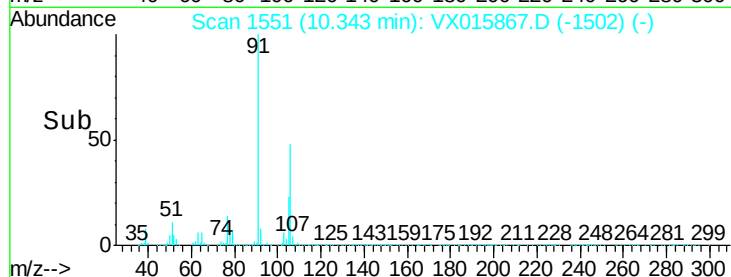
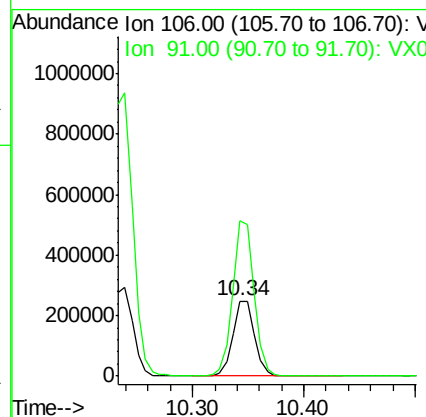
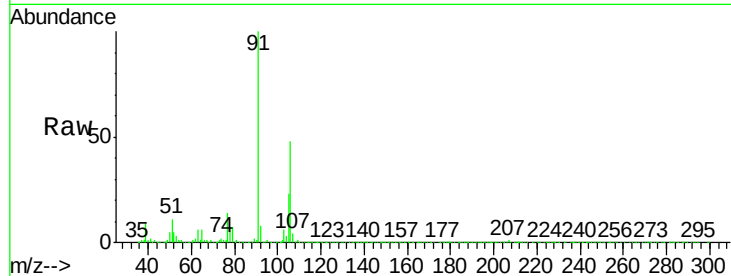
#68
m/p-Xylenes
Concen: 17.656 ug/l
RT: 10.34 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VX015867.D
Acq: 23 Apr 2020 02:27

Instrument :
MSVOA_X
ClientSampleId :
KY001MW038-200421

Tot Ion:106 Resp: 331428
Ion Ratio Lower Upper
106 100
91 204.8 161.1 241.7

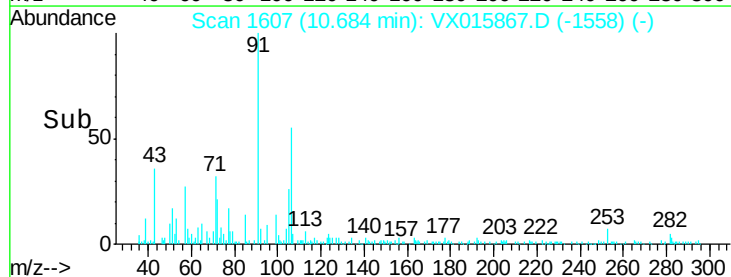
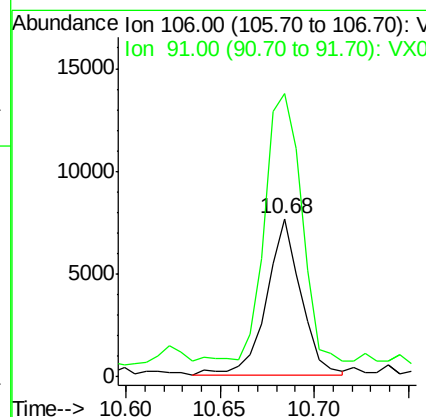
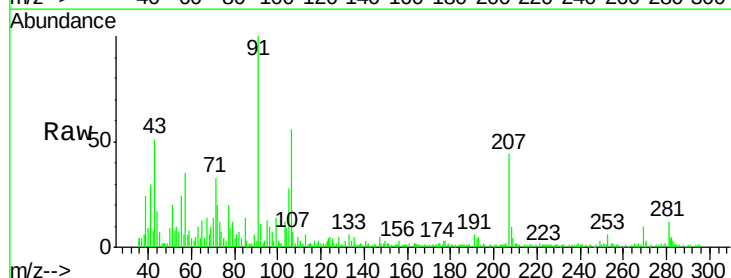
Manual Integrations
APPROVED

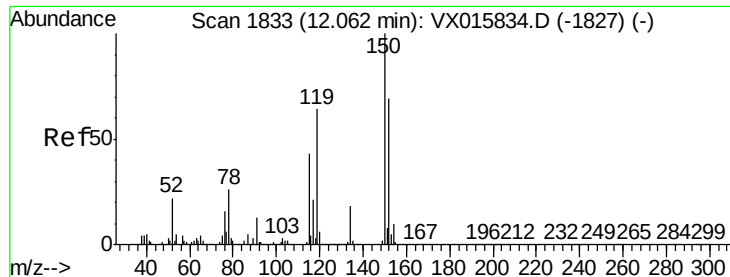
MMDadoda
4/23/2020 12:15:50 PM



#69
o-Xylene
Concen: 0.518 ug/l
RT: 10.68 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VX015867.D
Acq: 23 Apr 2020 02:27

Tgt Ion:106 Resp: 9569
Ion Ratio Lower Upper
106 100
91 181.2 107.1 321.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015867.D

Acq: 23 Apr 2020 02:27

Instrument :

MSVOA_X

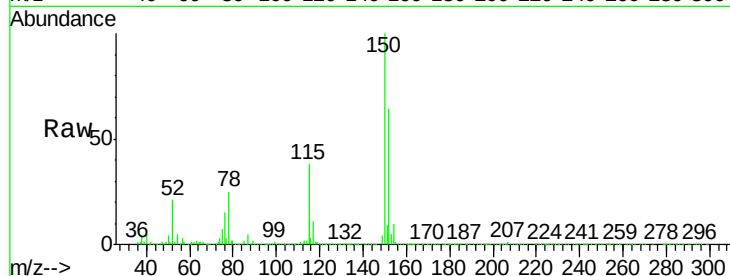
ClientSampleId :

KY001MW038-200421

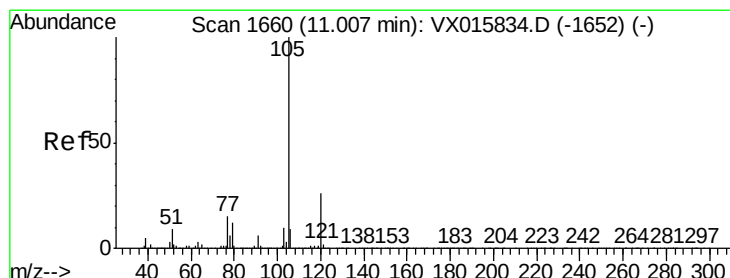
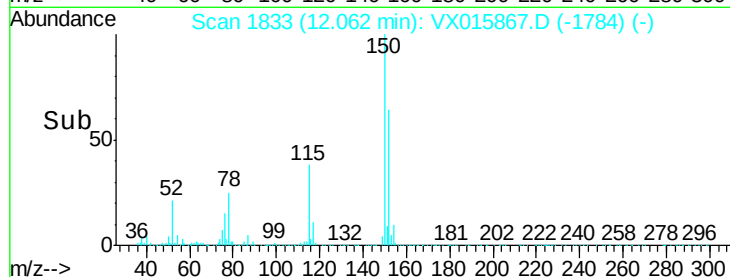
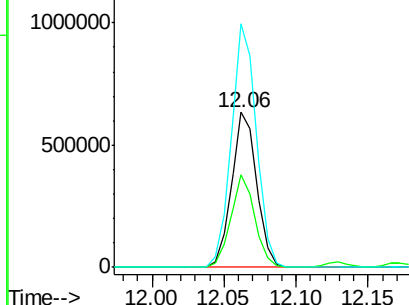
Tot Ion:	152	Resp:	775015
Ion Ratio	Lower	Upper	
152	100		
115	56.9	39.0	116.9
150	156.2	0.0	336.8

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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: 133.478 ug/l

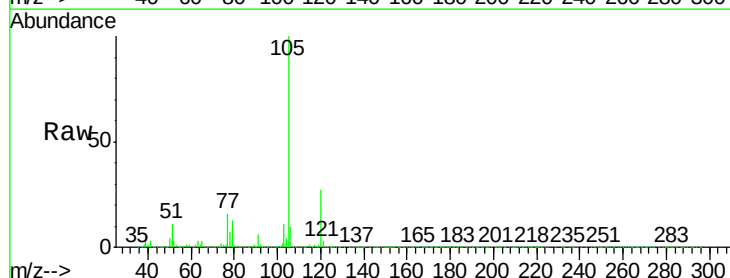
RT: 11.00 min Scan# 1659

Delta R.T. -0.01 min

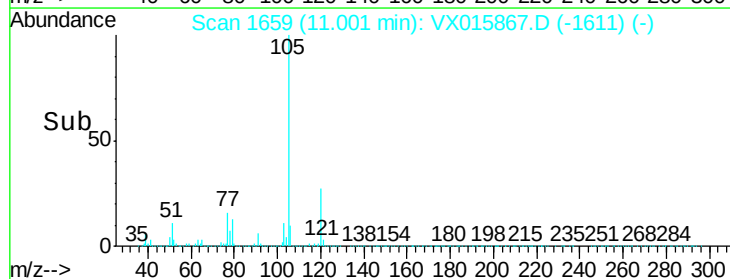
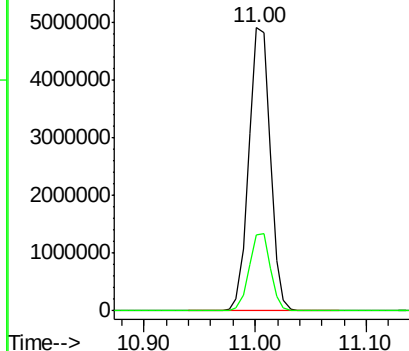
Lab File: VX015867.D

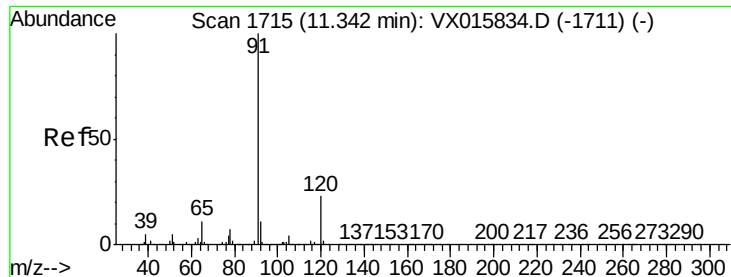
Acq: 23 Apr 2020 02:27

Tgt Ion:	105	Resp:	6569956
Ion Ratio	Lower	Upper	
105	100		
120	27.0	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: 160.075 ug/l

RT: 11.34 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VX015867.D

Acq: 23 Apr 2020 02:27

Instrument :

MSVOA_X

ClientSampleId :

KY001MW038-200421

Tot Ion: 91 Resp: 9025850

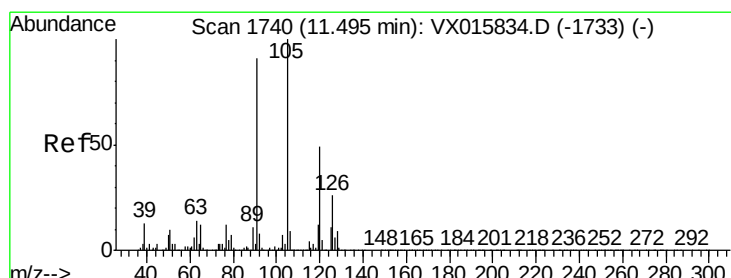
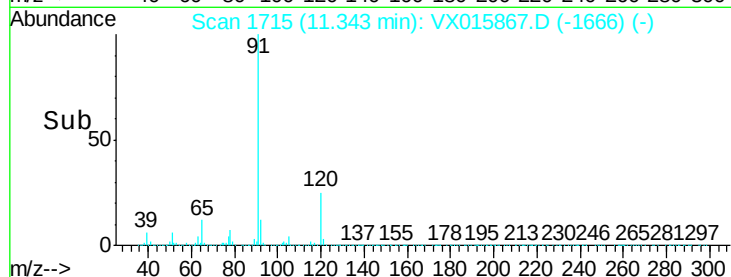
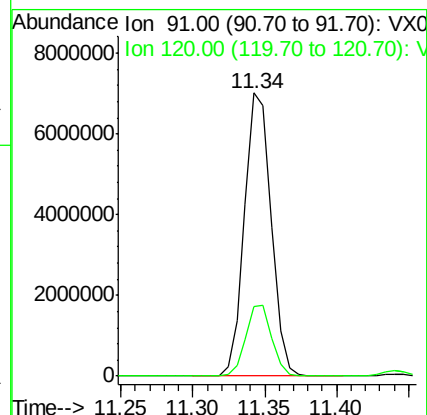
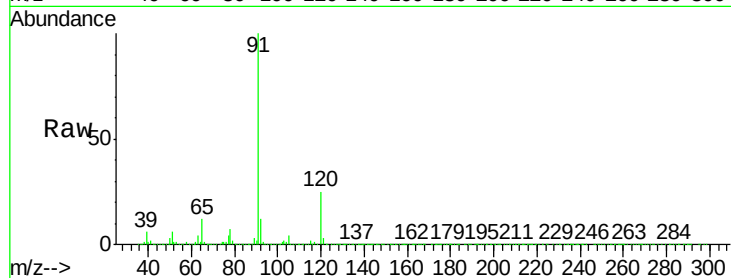
Ion Ratio Lower Upper

91 100

120 24.5 11.7 35.1

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#80

1,3,5-Trimethylbenzene

Concen: 8.419 ug/l

RT: 11.50 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VX015867.D

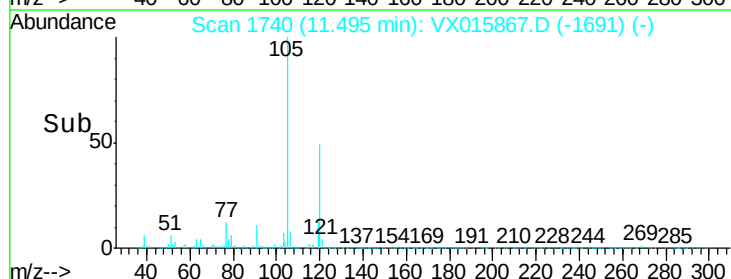
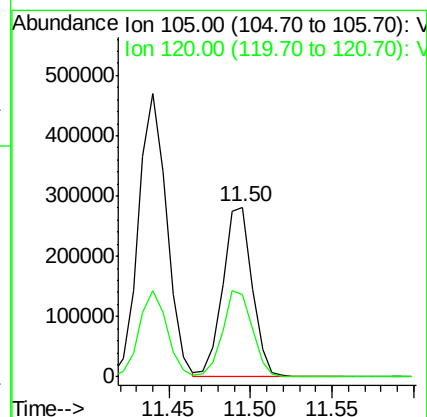
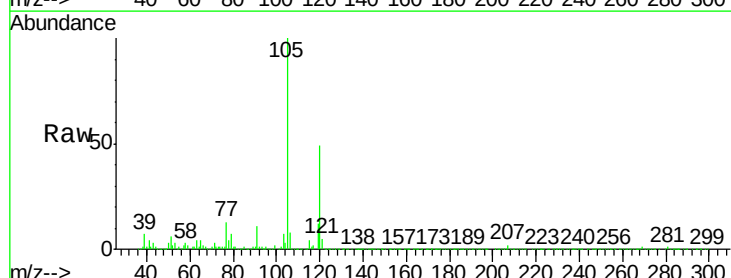
Acq: 23 Apr 2020 02:27

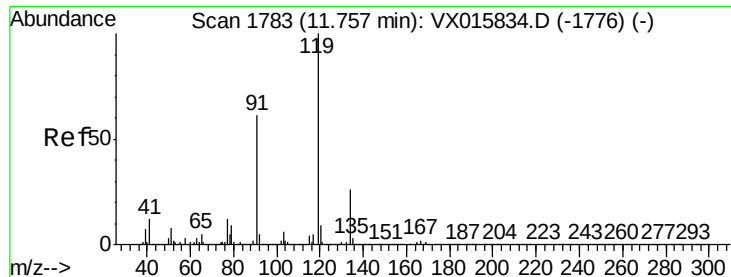
Tgt Ion: 105 Resp: 353346

Ion Ratio Lower Upper

105 100

120 51.1 24.9 74.7





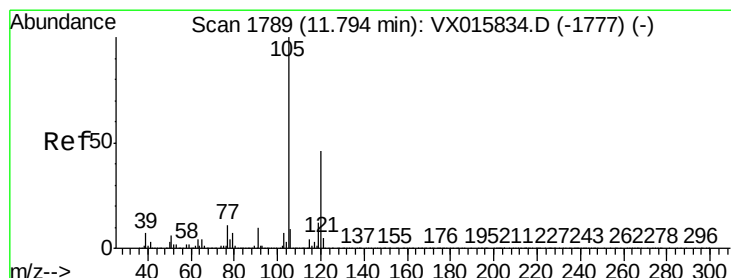
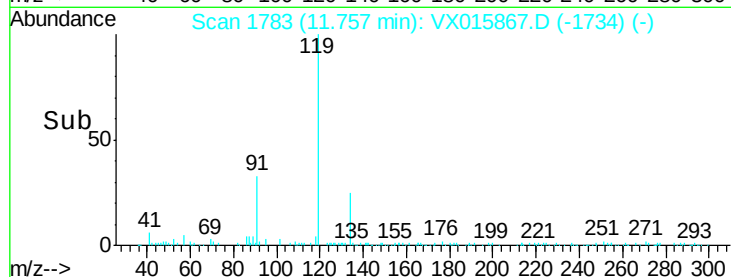
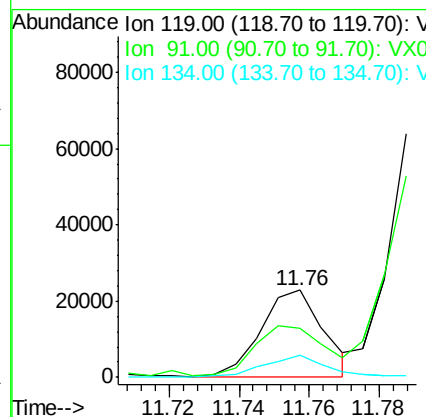
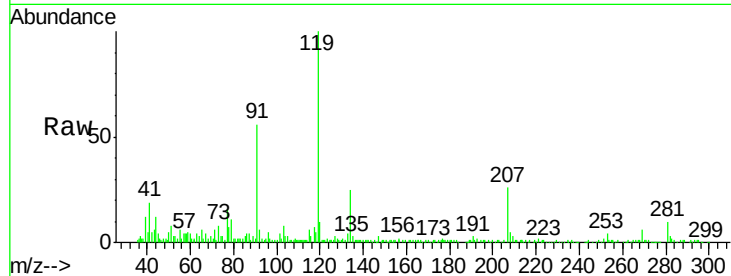
#83
 tert-Butylbenzene
 Concen: 0.749 ug/l
 RT: 11.76 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX015867.D
 Acq: 23 Apr 2020 02:27

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW038-200421

Tot Ion:	119	Resp:	27882
Ion Ratio	Lower	Upper	
119	100		
91	64.3	30.9	92.7
134	28.7	12.4	37.2

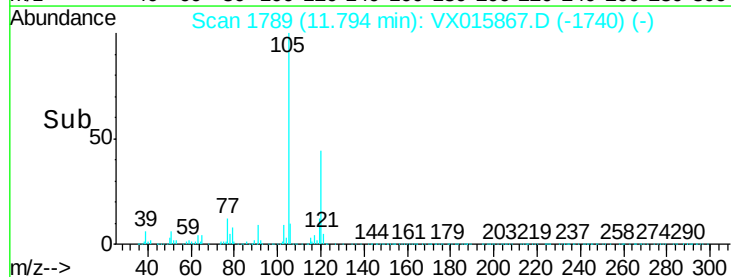
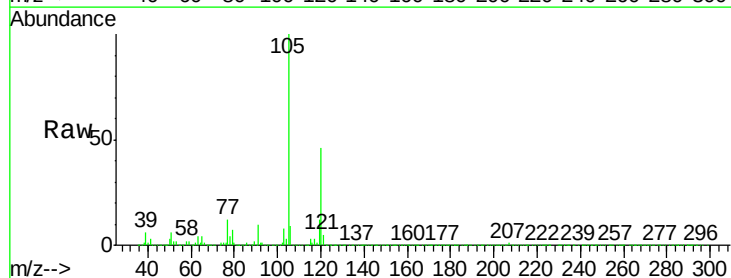
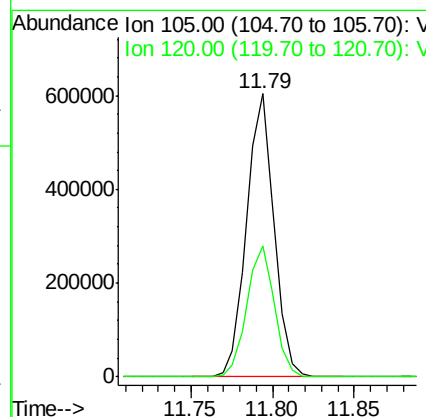
Manual Integrations
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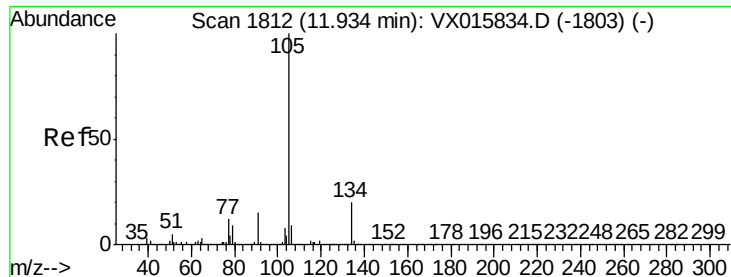
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#84
 1,2,4-Trimethylbenzene
 Concen: 16.166 ug/l
 RT: 11.79 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX015867.D
 Acq: 23 Apr 2020 02:27

Tgt Ion:	105	Resp:	704416
Ion Ratio	Lower	Upper	
105	100		
120	47.0	22.9	68.7





#85

sec-Butylbenzene

Concen: 6.509 ug/l

RT: 11.93 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VX015867.D

Acq: 23 Apr 2020 02:27

Instrument :

MSVOA_X

ClientSampleId :

KY001MW038-200421

Tot Ion:105 Resp: 319423

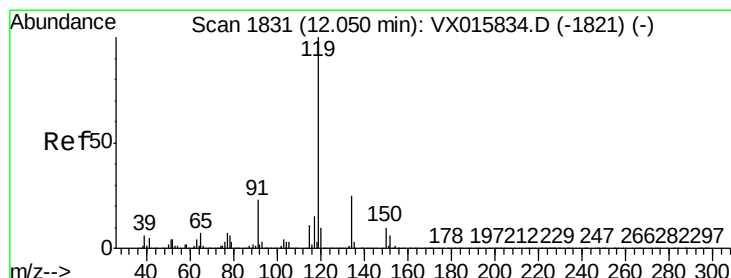
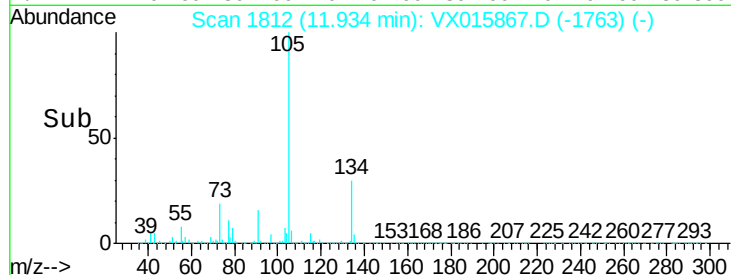
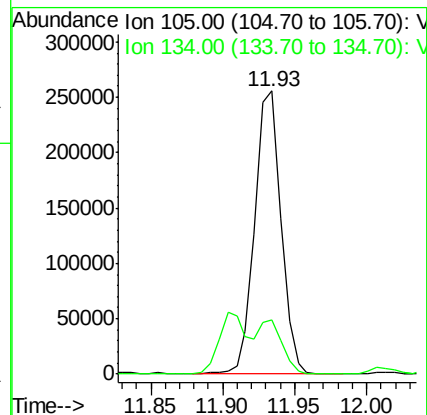
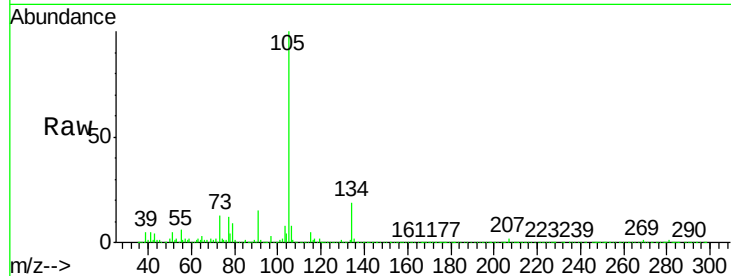
Ion Ratio Lower Upper

105 100

134 16.2 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 0.734 ug/l m

RT: 12.05 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VX015867.D

Acq: 23 Apr 2020 02:27

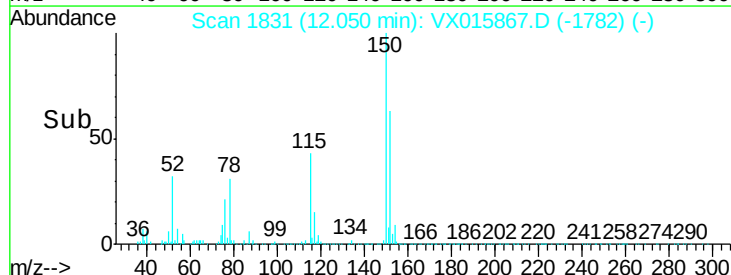
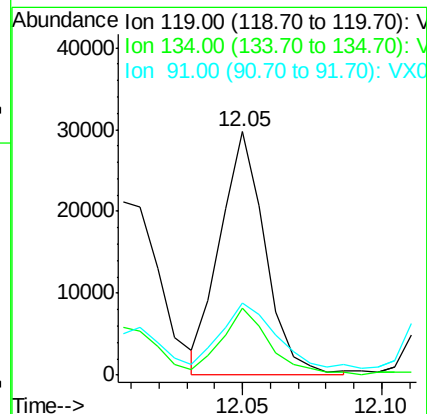
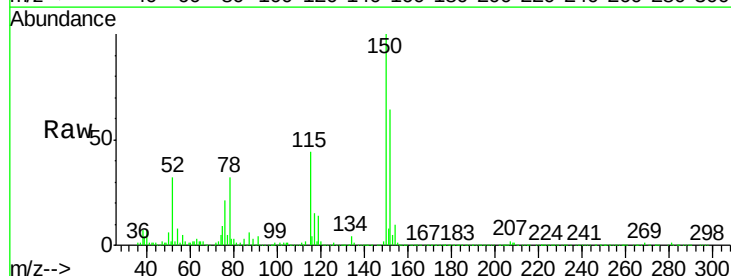
Tgt Ion:119 Resp: 33668

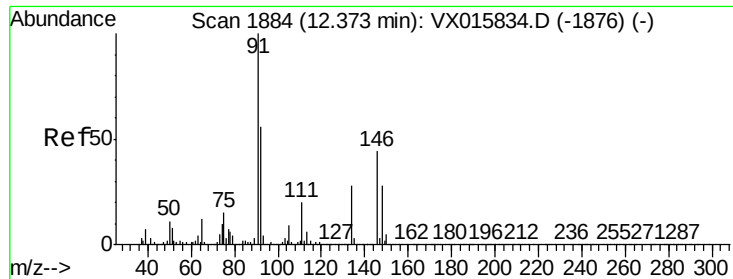
Ion Ratio Lower Upper

119 100

134 0.0 13.0 38.9#

91 0.0 11.5 34.5#





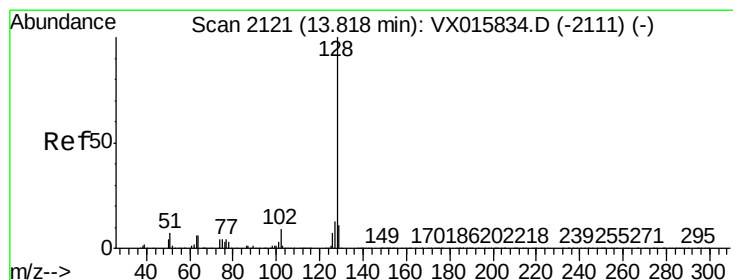
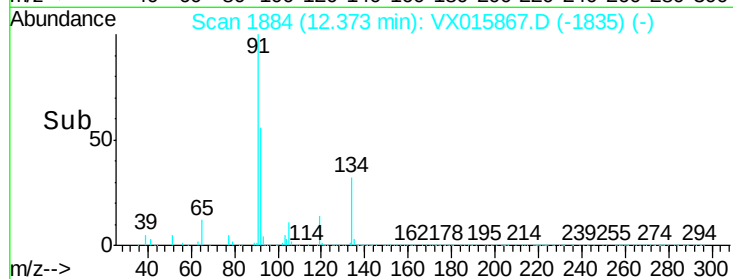
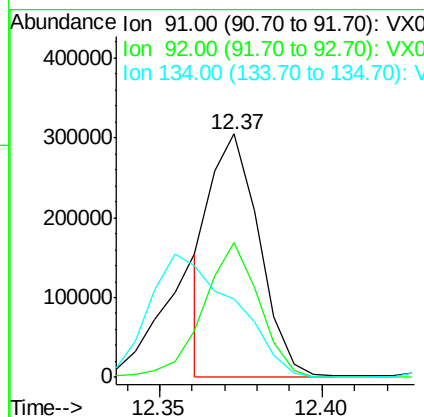
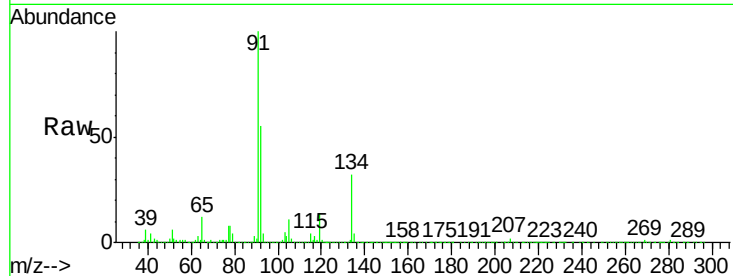
#89
n-Butylbenzene
Concen: 7.764 ug/l m
RT: 12.37 min Scan# 1884
Delta R.T. 0.00 min
Lab File: VX015867.D
Acq: 23 Apr 2020 02:27

Instrument :
MSVOA_X
ClientSampleId :
KY001MW038-200421

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.3	27.7	83.1
134	88.5	14.1	42.4#

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#95
Naphthalene
Concen: 232.235 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. 0.00 min
Lab File: VX015867.D
Acq: 23 Apr 2020 02:27

Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.3	10.5	15.7
129	12.9	8.5	12.7#

