

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042220\
 Data File : VX015872.D
 Acq On : 23 Apr 2020 04:20
 Operator : JC/SP
 Sample : L2380-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW031-200421

Manual Integrations
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 4/23/2020 12:16:36 PM

Quant Time: Apr 23 12:26:46 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	943987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1452585	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1455099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	801177	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	539056	50.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.42%	
35) Dibromofluoromethane	5.47	113	438129	52.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.50%	
50) Toluene-d8	8.70	98	1795594	53.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.40%	
62) 4-Bromofluorobenzene	11.12	95	765403	55.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.56%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.01	59	179841	81.982	ug/l #	73
16) Acetone	2.42	43	23035	4.927	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	4287674	146.893	ug/l #	58
29) Tetrahydrofuran	5.10	42	15014	3.072	ug/l #	83
31) Cyclohexane	5.56	56	1108561	70.671	ug/l #	91
39) Methylcyclohexane	7.44	83	772677	47.382	ug/l	89
40) Benzene	6.12	78	2010360	51.834	ug/l	100
52) Toluene	8.77	92	270303	10.873	ug/l	99
67) Ethyl Benzene	10.23	91	13804152	270.155	ug/l	90
68) m/p-Xylenes	10.35	106	1131547	58.998	ug/l	100
69) o-Xylene	10.68	106	703674	37.284	ug/l	99
73) Isopropylbenzene	11.00	105	2392369	47.017	ug/l	99
78) n-propylbenzene	11.34	91	2173806	37.294	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	346720	7.991	ug/l	100
83) tert-Butylbenzene	11.75	119	46024	1.196	ug/l	95
84) 1,2,4-Trimethylbenzene	11.79	105	729866	16.204	ug/l	99
85) sec-Butylbenzene	11.93	105	123427	2.433	ug/l	100
86) p-Isopropyltoluene	12.05	119	31161m	0.657	ug/l	
89) n-Butylbenzene	12.36	91	40907m	0.964	ug/l	
95) Naphthalene	13.82	128	1180326	21.511	ug/l	98

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

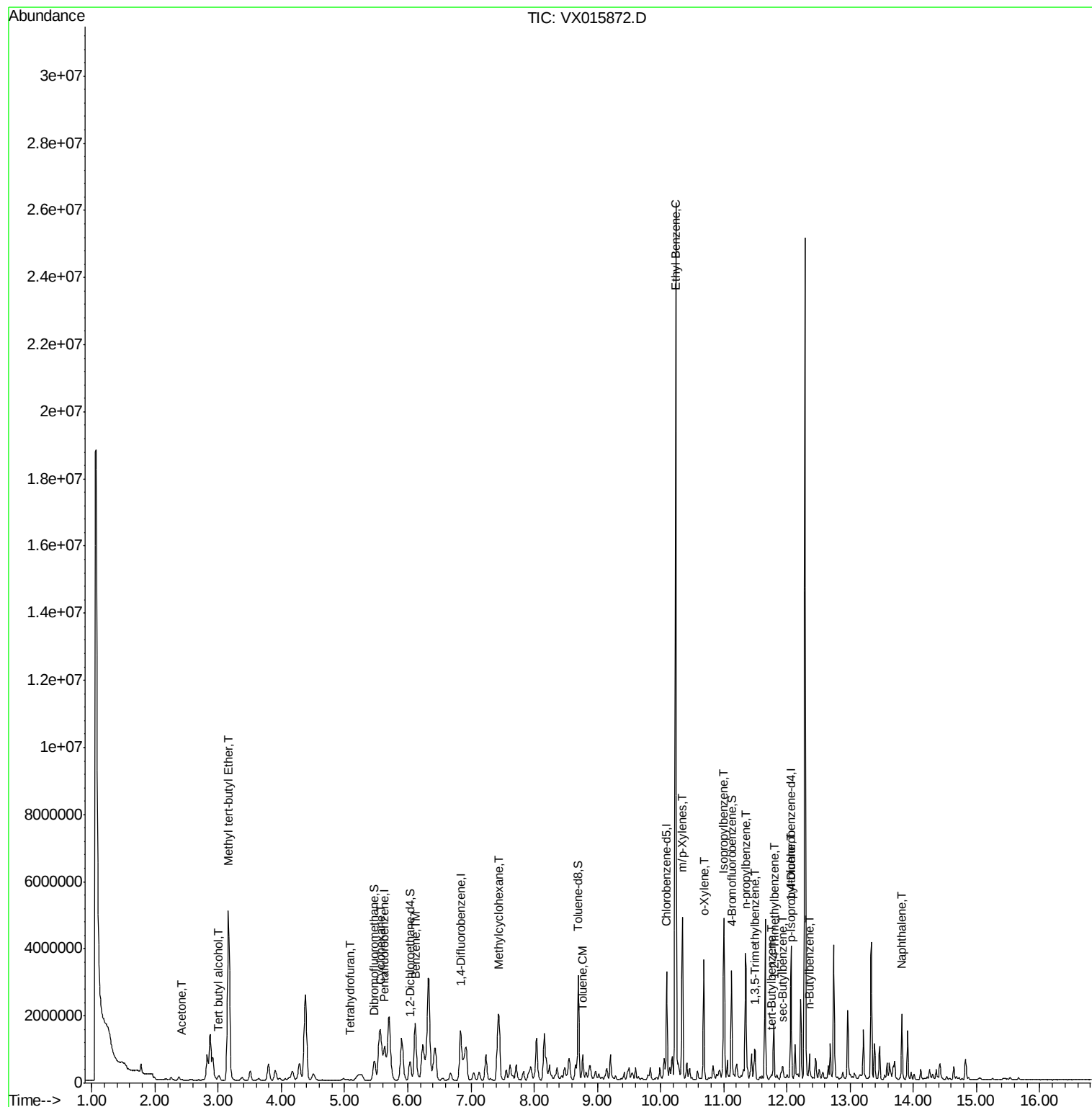
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042220\
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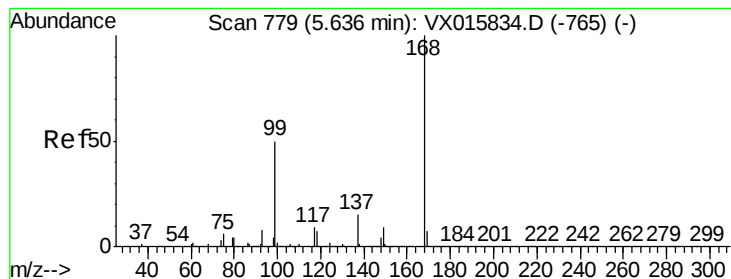
Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-200421

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Quant Time: Apr 23 12:26:46 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: VX015872.D

Acq: 23 Apr 2020 04:20

Instrument :

MSVOA_X

ClientSampleId :

KY001MW031-200421

Tot Ion:168 Resp: 943987

Ion Ratio Lower Upper

168 100

99 48.6

40.3

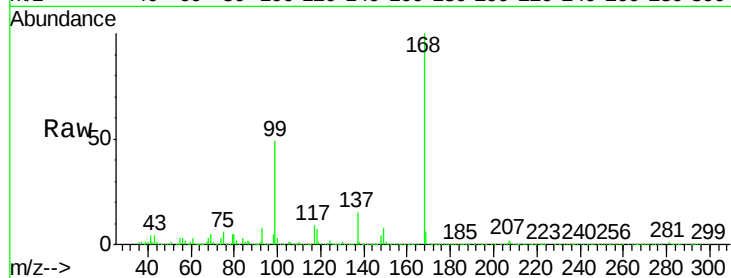
60.5

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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

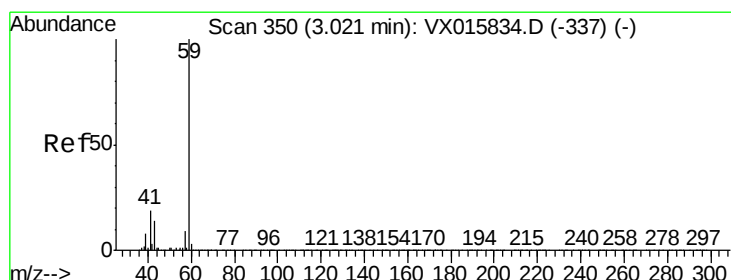
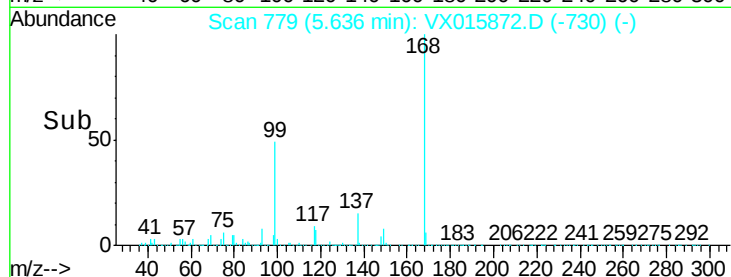
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 81.982 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.01 min

Lab File: VX015872.D

Acq: 23 Apr 2020 04:20

Tgt Ion: 59 Resp: 179841

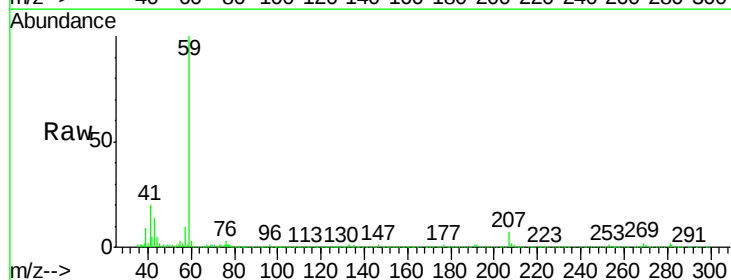
Ion Ratio Lower Upper

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

1000000

800000

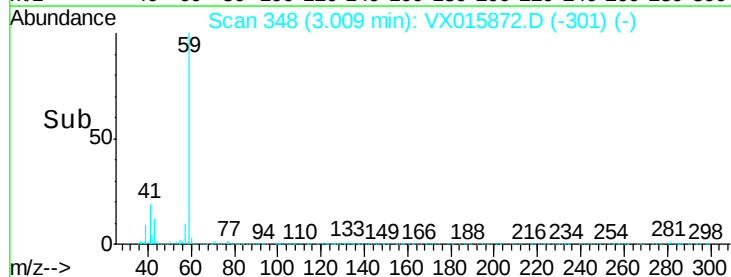
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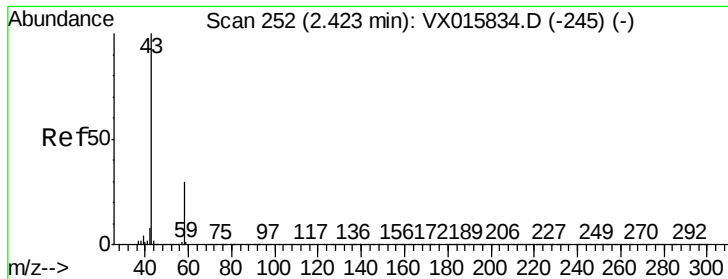
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Time-->





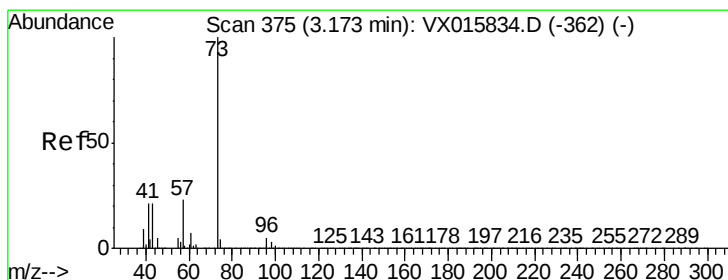
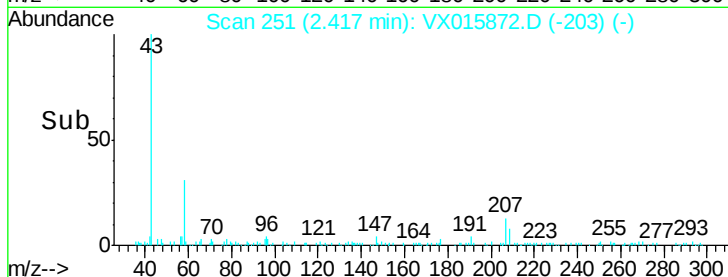
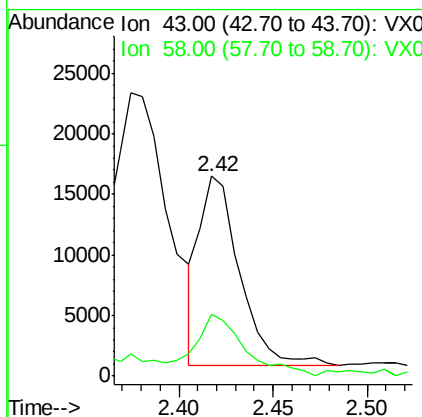
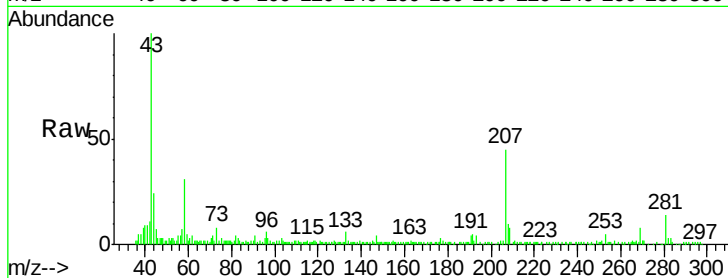
#16
Acetone
Concen: 4.927 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.01 min
Lab File: VX015872.D
Acq: 23 Apr 2020 04:20

Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-200421

Tot Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.0	36.0

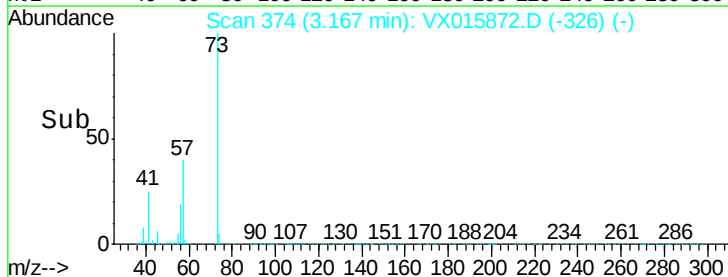
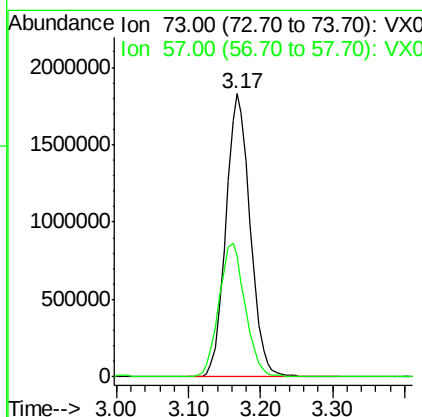
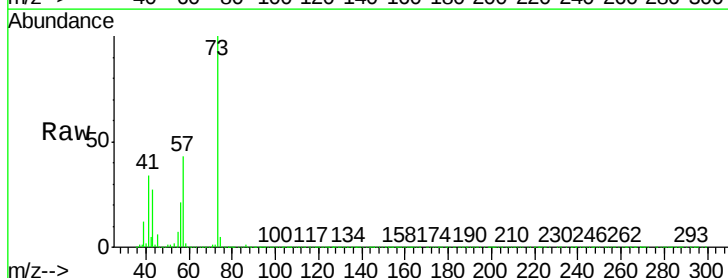
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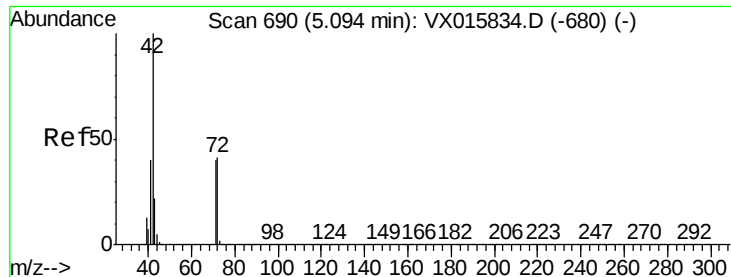
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#19
Methyl tert-butyl Ether
Concen: 146.893 ug/l
RT: 3.17 min Scan# 374
Delta R.T. -0.01 min
Lab File: VX015872.D
Acq: 23 Apr 2020 04:20

Tgt Ion	Ratio	Lower	Upper
73	100		
57	42.7	18.1	27.1





#29

Tetrahydrofuran

Concen: 3.072 ug/l

RT: 5.10 min Scan# 691

Delta R.T. 0.01 min

Lab File: VX015872.D

Acq: 23 Apr 2020 04:20

Instrument :

MSVOA_X

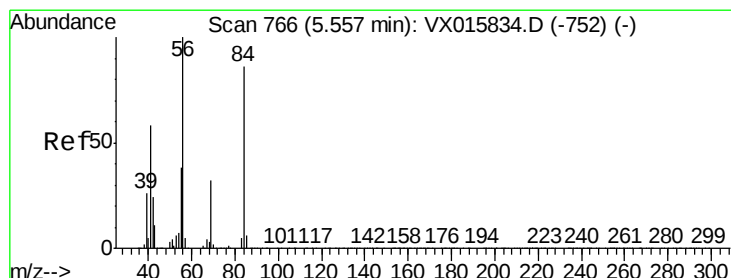
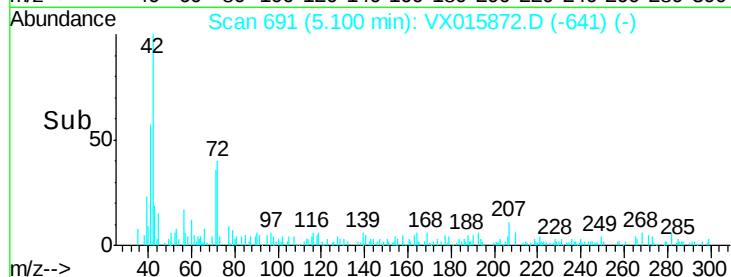
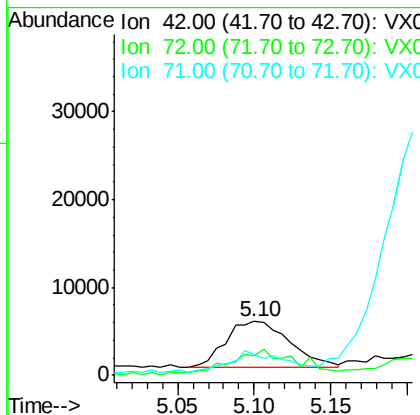
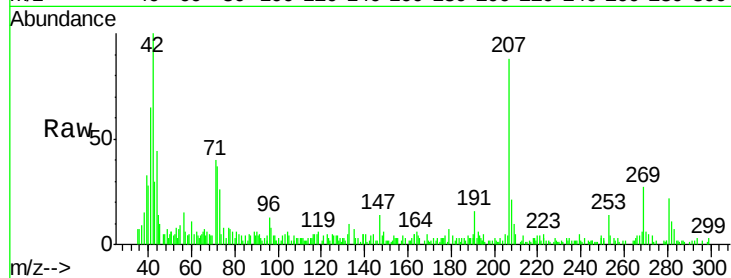
ClientSampleId :

KY001MW031-200421

Tot Ion:	42	Resp:	15014
Ion Ratio		Lower	Upper
42	100		
72	61.4	33.0	49.6#
71	38.0	30.6	45.8

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#31

Cyclohexane

Concen: 70.671 ug/l

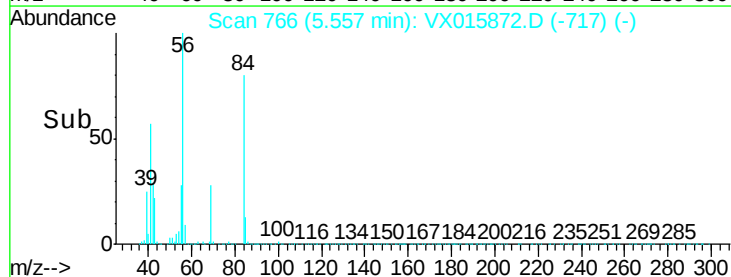
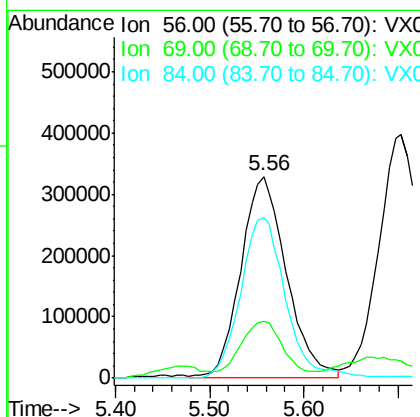
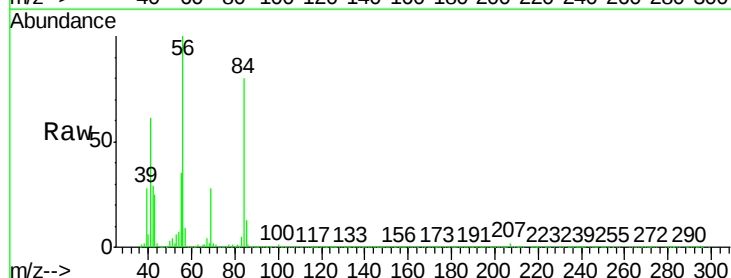
RT: 5.56 min Scan# 766

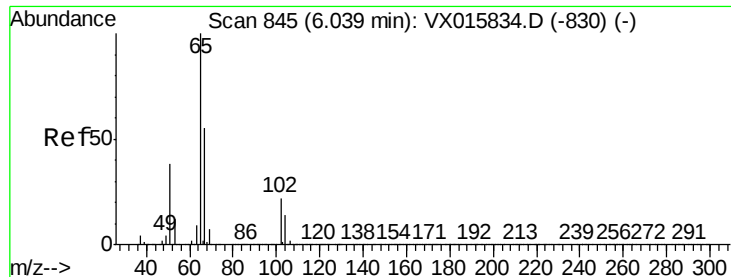
Delta R.T. 0.00 min

Lab File: VX015872.D

Acq: 23 Apr 2020 04:20

Tgt Ion:	56	Resp:	1108561
Ion Ratio		Lower	Upper
56	100		
69	22.8	25.3	37.9#
84	80.2	69.1	103.7





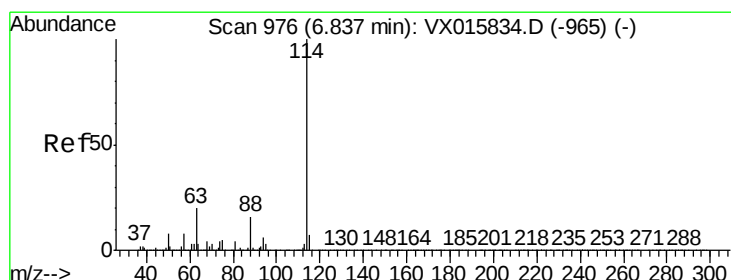
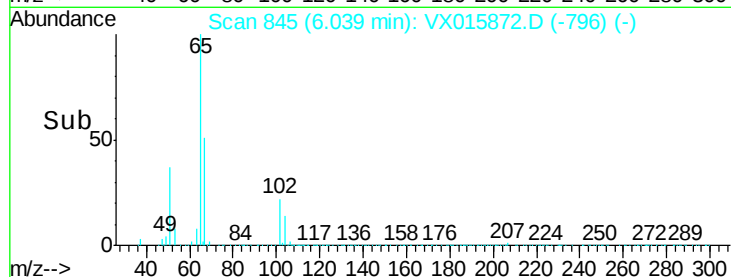
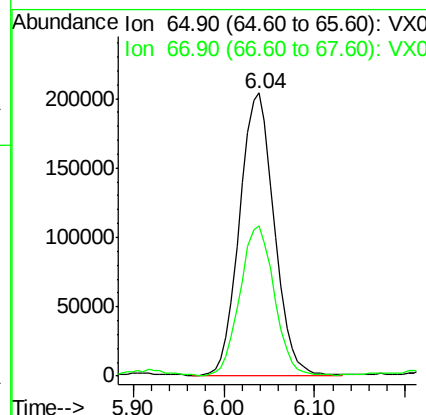
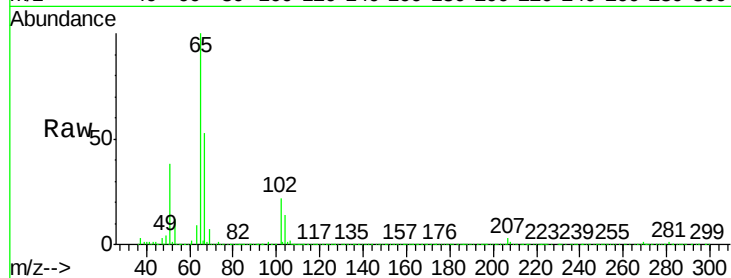
#33
 1,2-Dichloroethane-d4
 Concen: 50.208 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.00 min
 Lab File: VX015872.D
 Acq: 23 Apr 2020 04:20

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW031-200421

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.4	0.0	104.2	

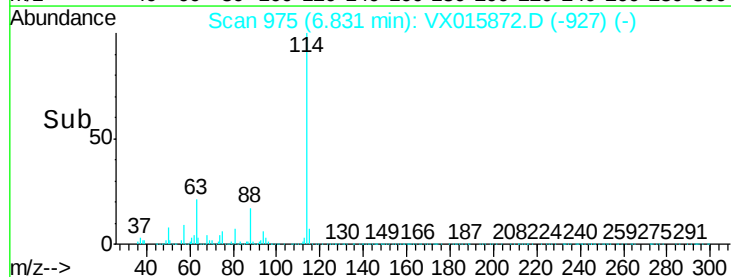
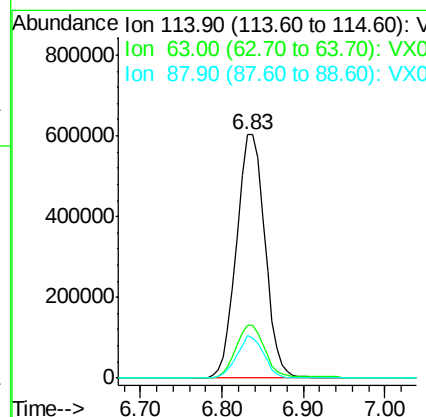
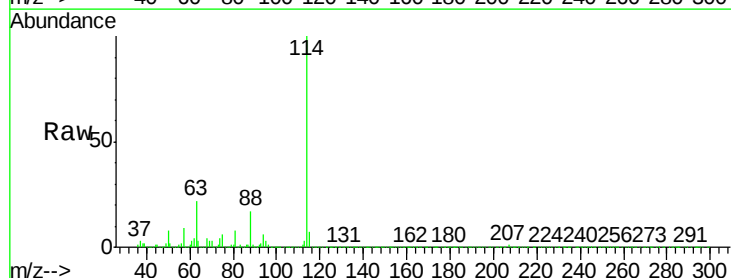
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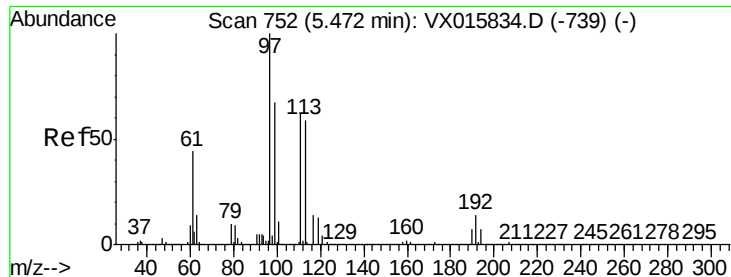
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VX015872.D
 Acq: 23 Apr 2020 04:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.5	0.0	40.6	
88	17.4	0.0	32.8	





#35

Dibromofluoromethane

Concen: 52.254 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015872.D

Acq: 23 Apr 2020 04:20

Instrument :

MSVOA_X

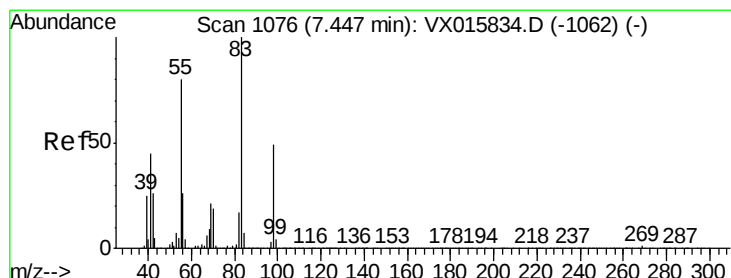
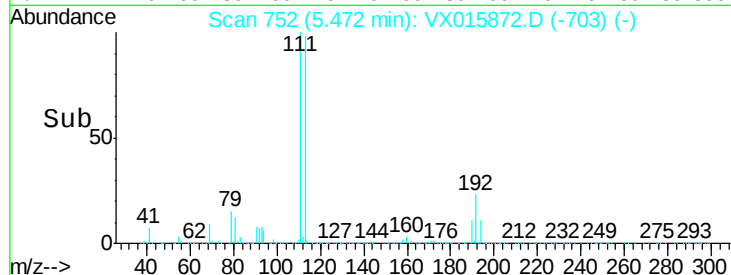
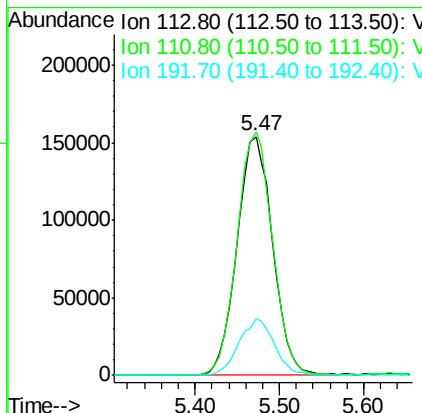
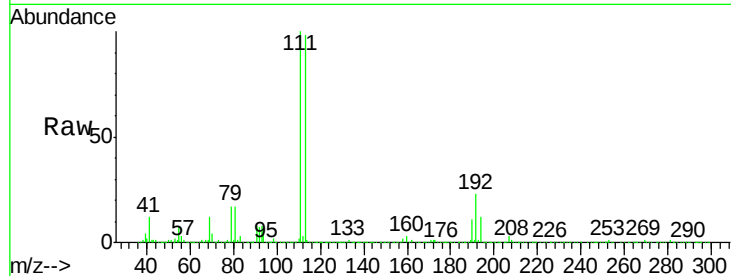
ClientSampleId :

KY001MW031-200421

Tot Ion:	113	Resp:	438129
Ion Ratio	Lower	Upper	
113	100		
111	101.9	82.7	124.1
192	23.7	19.3	28.9

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#39

Methylcyclohexane

Concen: 47.382 ug/l

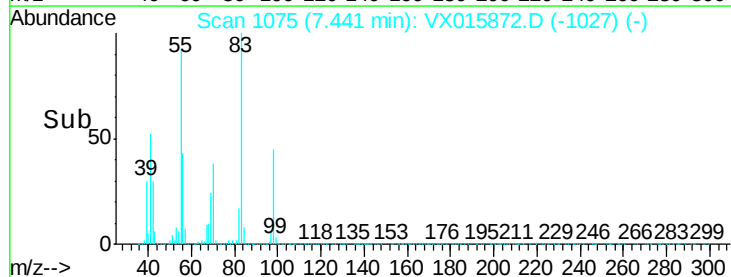
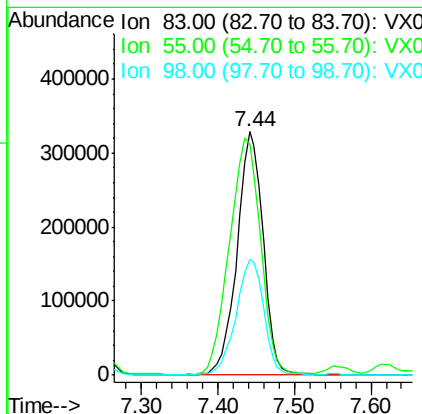
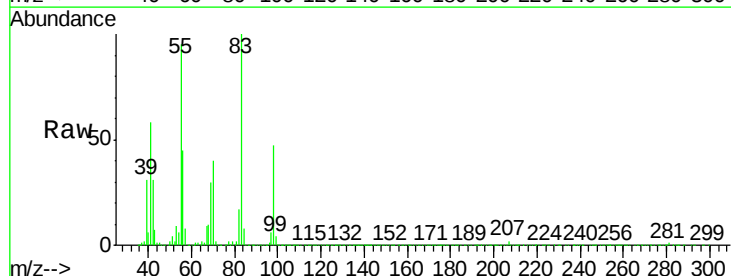
RT: 7.44 min Scan# 1075

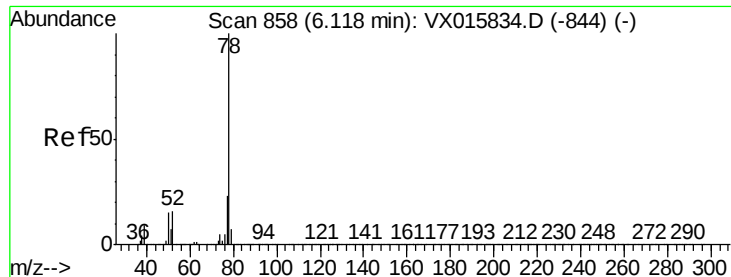
Delta R.T. -0.01 min

Lab File: VX015872.D

Acq: 23 Apr 2020 04:20

Tgt Ion:	83	Resp:	772677
Ion Ratio	Lower	Upper	
83	100		
55	94.4	64.2	96.4
98	47.2	39.3	58.9





#40

Benzene

Concen: 51.834 ug/l

RT: 6.12 min Scan# 858

Delta R.T. 0.00 min

Lab File: VX015872.D

Acq: 23 Apr 2020 04:20

Instrument :

MSVOA_X

ClientSampleId :

KY001MW031-200421

Tot Ion: 78 Resp: 2010360

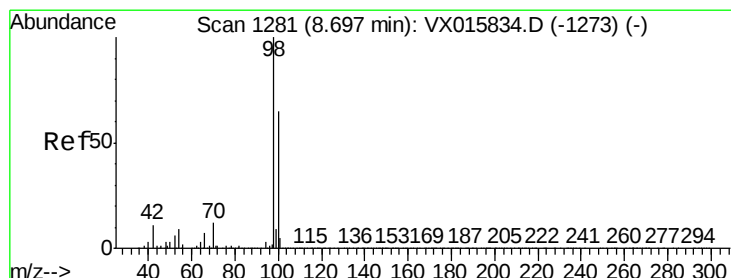
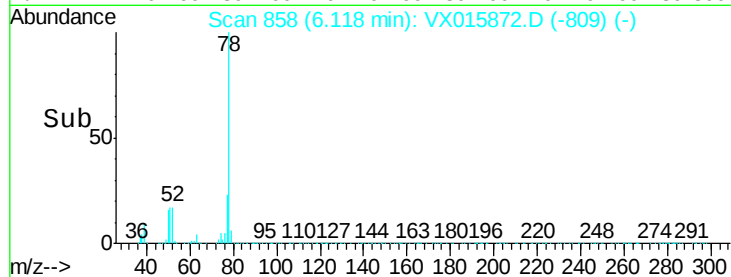
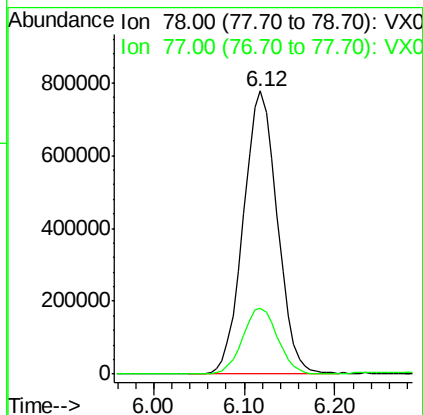
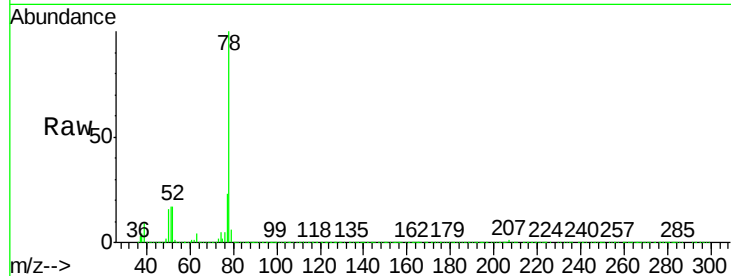
Ion Ratio Lower Upper

78 100

77 23.4 18.6 27.8

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#50

Toluene-d8

Concen: 53.197 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015872.D

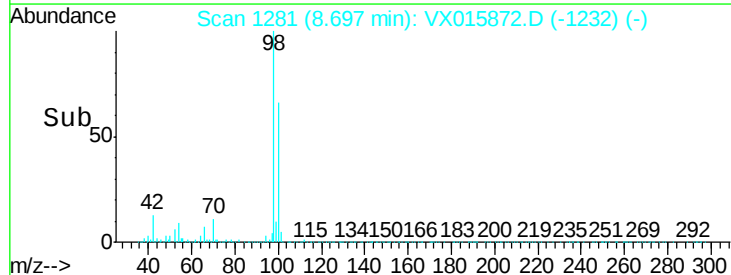
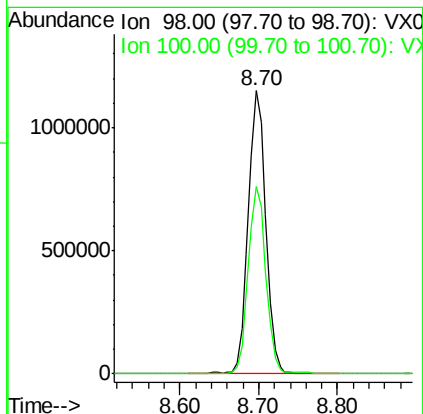
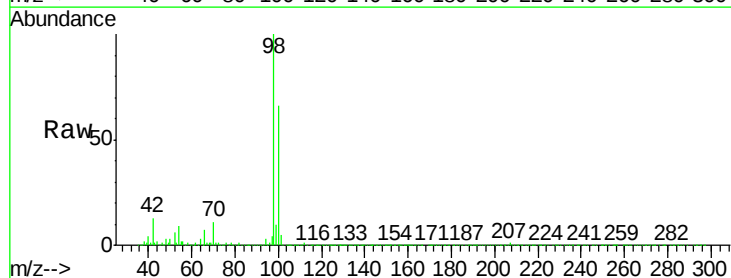
Acq: 23 Apr 2020 04:20

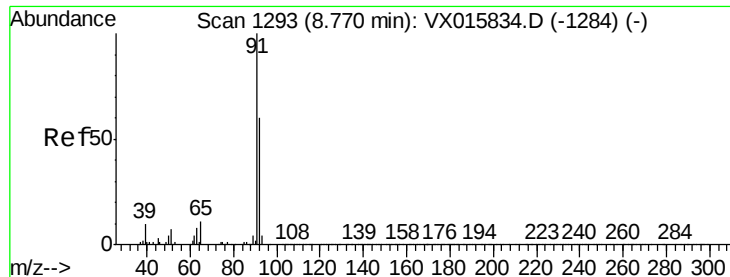
Tgt Ion: 98 Resp: 1795594

Ion Ratio Lower Upper

98 100

100 65.5 53.8 80.6





#52

Toluene

Concen: 10.873 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX015872.D

Acq: 23 Apr 2020 04:20

Instrument :

MSVOA_X

ClientSampleId :

KY001MW031-200421

Tot Ion: 92 Resp: 270303

Ion Ratio Lower Upper

92 100

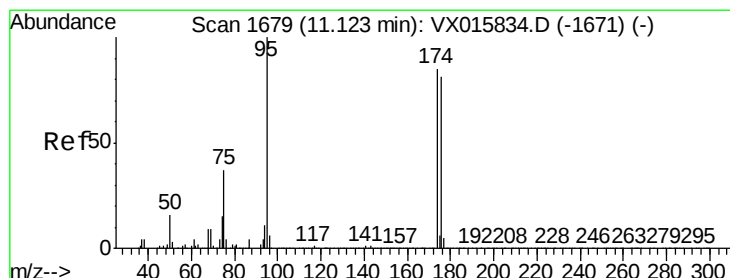
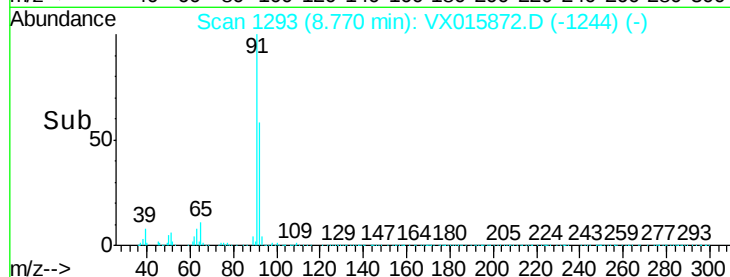
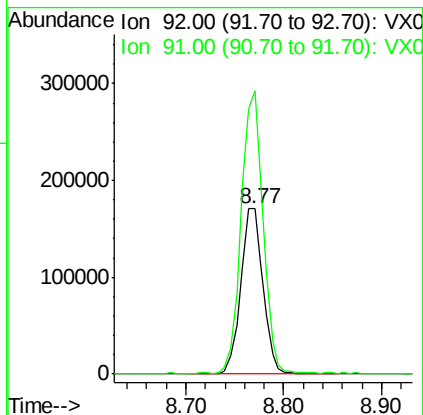
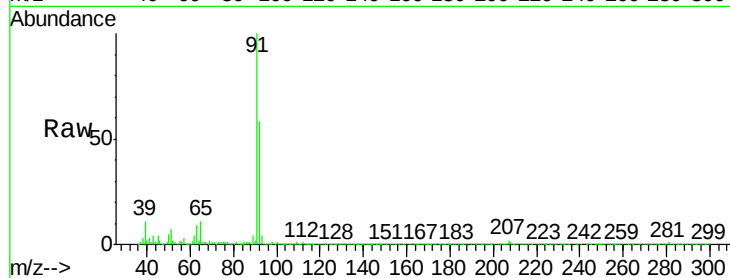
91 167.6 133.4 200.0

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#62

4-Bromofluorobenzene

Concen: 55.277 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015872.D

Acq: 23 Apr 2020 04:20

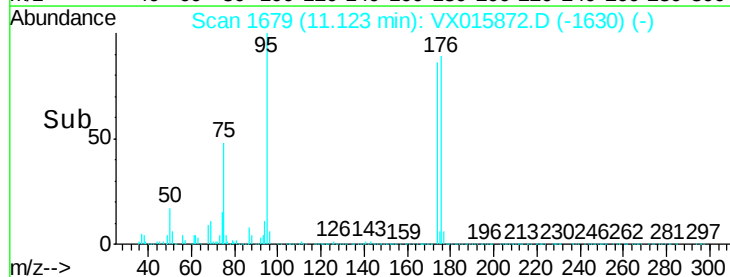
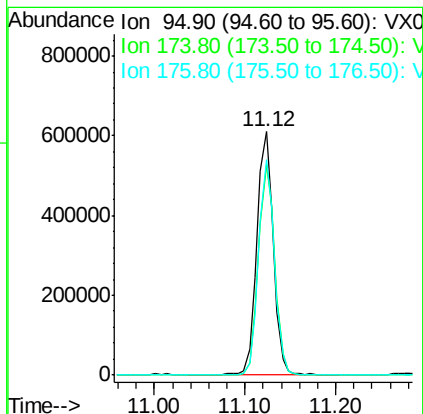
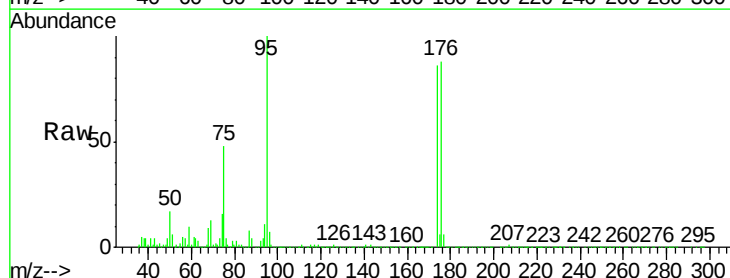
Tgt Ion: 95 Resp: 765403

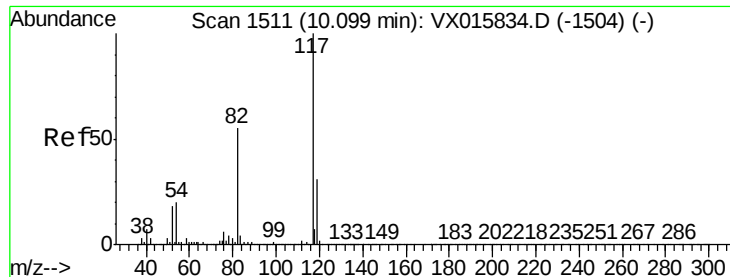
Ion Ratio Lower Upper

95 100

174 85.5 0.0 172.4

176 85.5 0.0 167.0





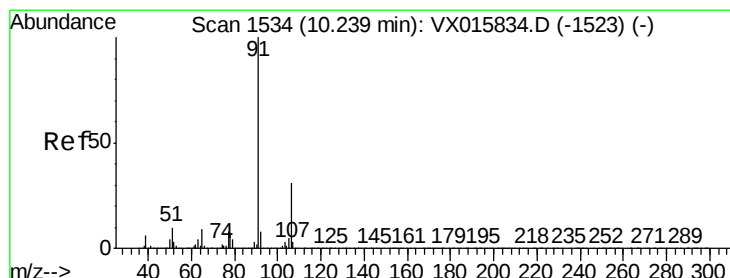
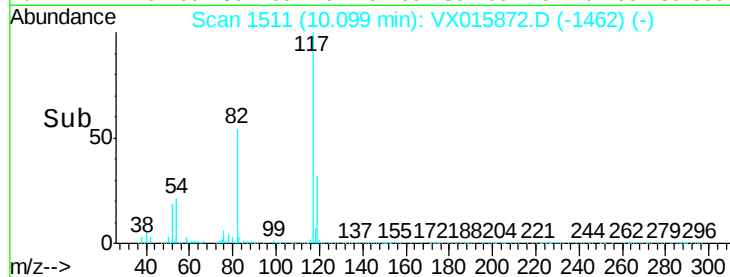
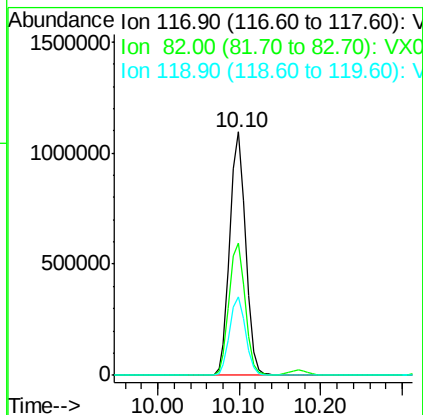
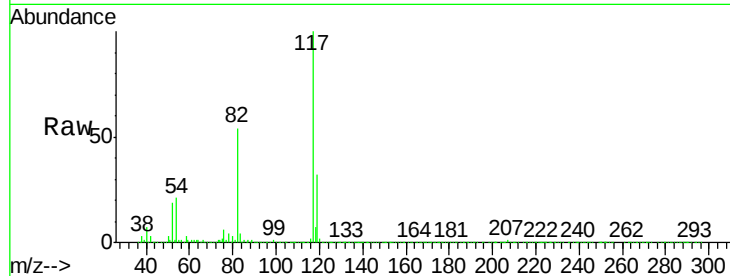
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015872.D
Acq: 23 Apr 2020 04:20

Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-200421

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.9	65.9
119	32.3	25.1	37.7

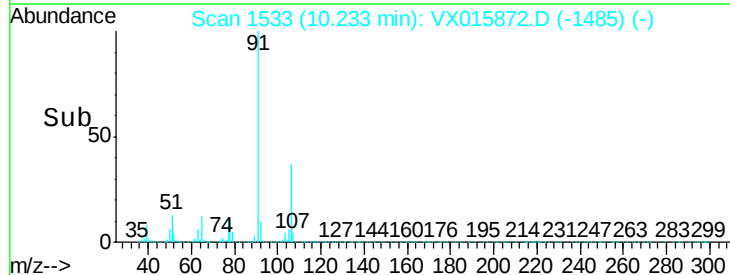
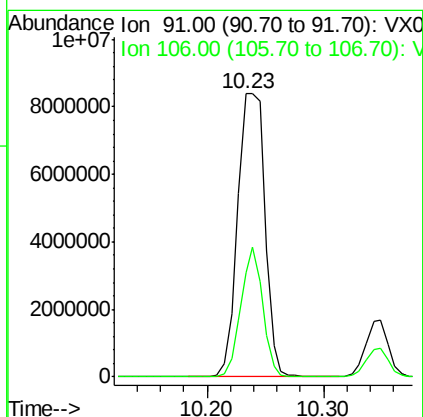
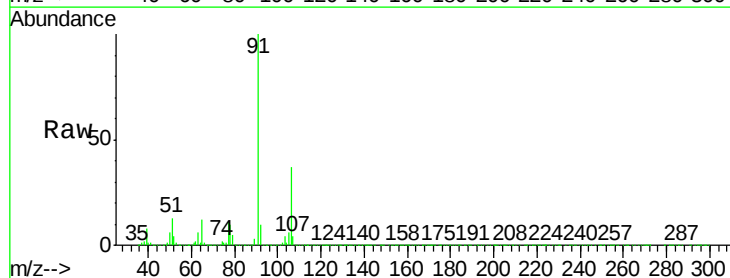
Manual Integrations
APPROVED

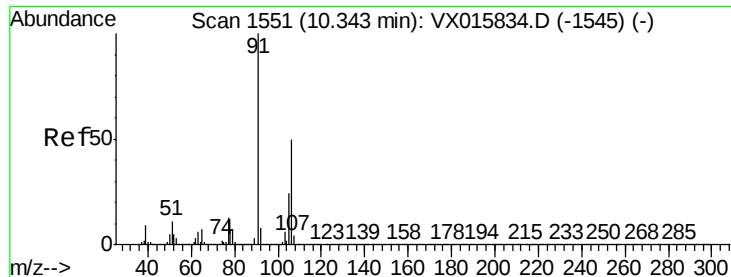
MMDadoda
4/23/2020 12:16:36 PM



#67
Ethyl Benzene
Concen: 270.155 ug/l
RT: 10.23 min Scan# 1533
Delta R.T. -0.01 min
Lab File: VX015872.D
Acq: 23 Apr 2020 04:20

Tgt Ion	Ratio	Lower	Upper
91	100		
106	37.0	25.0	37.4





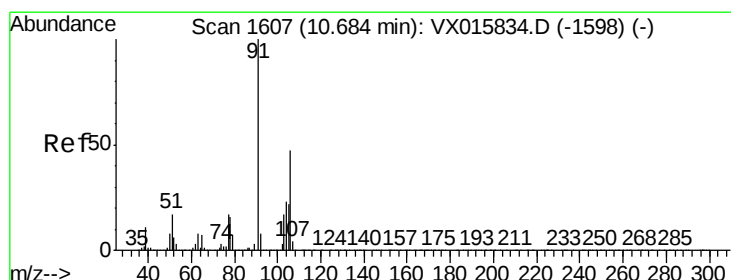
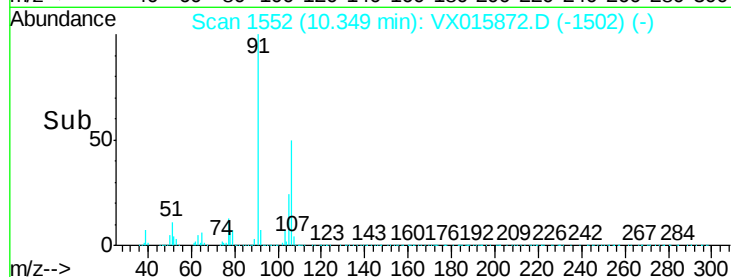
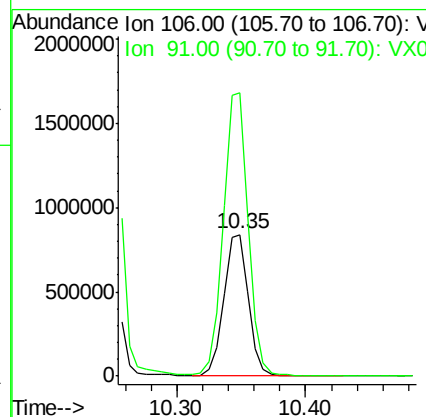
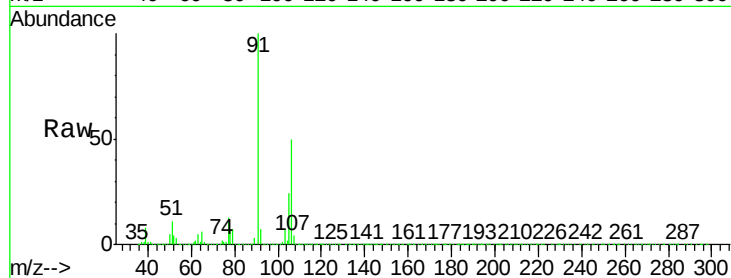
#68
m/p-Xylenes
Concen: 58.998 ug/l
RT: 10.35 min Scan# 1552
Delta R.T. 0.01 min
Lab File: VX015872.D
Acq: 23 Apr 2020 04:20

Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-200421

Tot Ion:106 Resp: 1131547
Ion Ratio Lower Upper
106 100
91 201.4 161.1 241.7

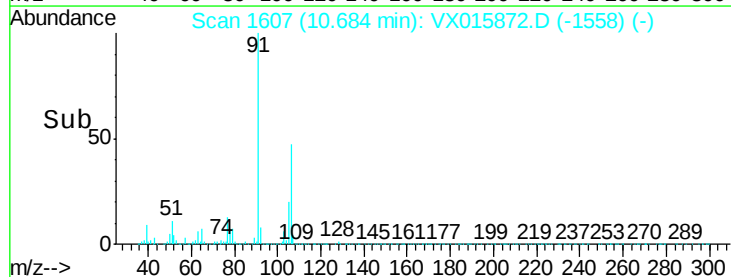
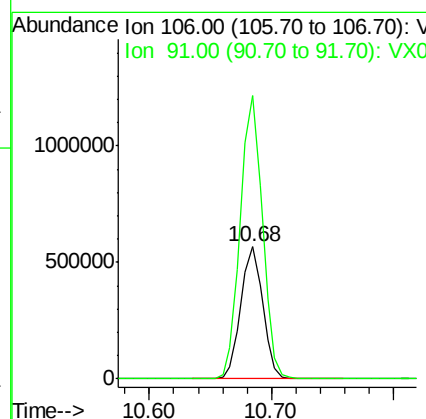
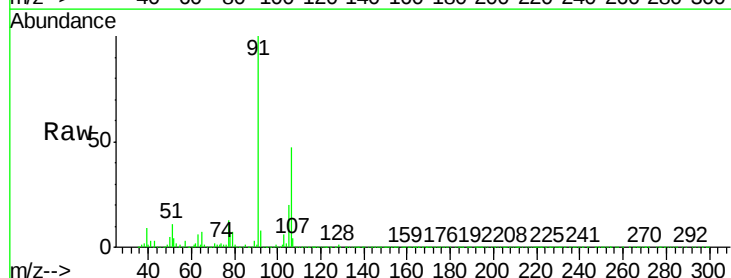
Manual Integrations
APPROVED

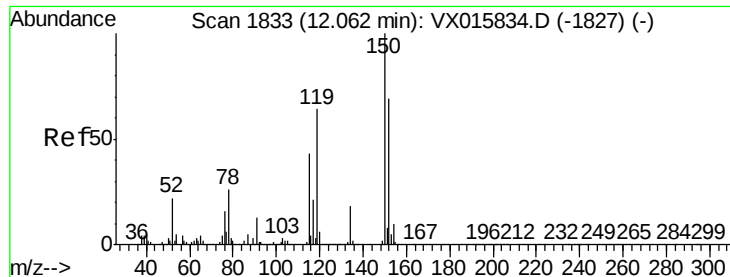
MMDadoda
4/23/2020 12:16:36 PM



#69
o-Xylene
Concen: 37.284 ug/l
RT: 10.68 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VX015872.D
Acq: 23 Apr 2020 04:20

Tgt Ion:106 Resp: 703674
Ion Ratio Lower Upper
106 100
91 215.7 107.1 321.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015872.D

Acq: 23 Apr 2020 04:20

Instrument :

MSVOA_X

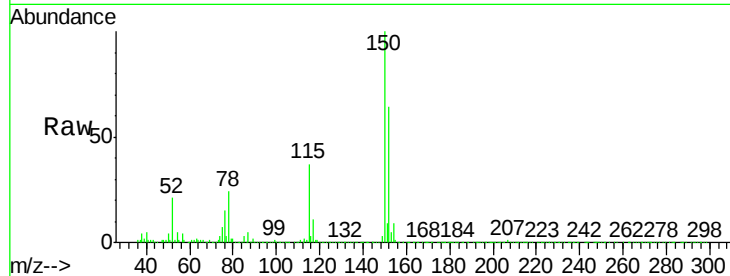
ClientSampleId :

KY001MW031-200421

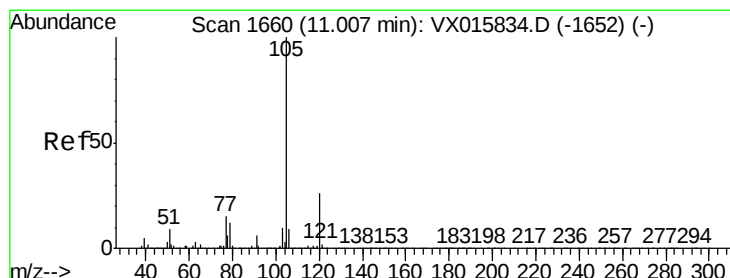
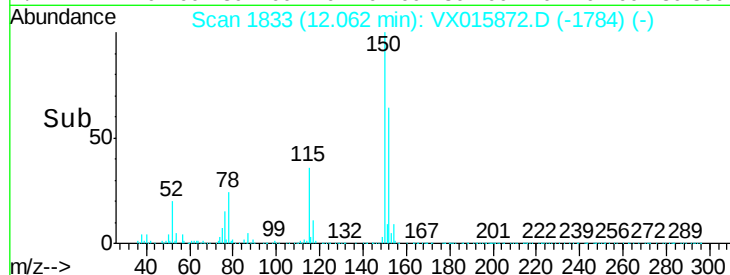
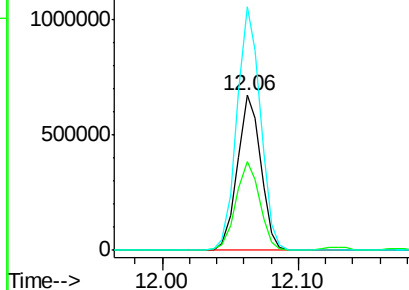
Tot Ion:	152	Resp:	801177
Ion Ratio	Lower	Upper	
152	100		
115	57.3	39.0	116.9
150	157.5	0.0	336.8

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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: 47.017 ug/l

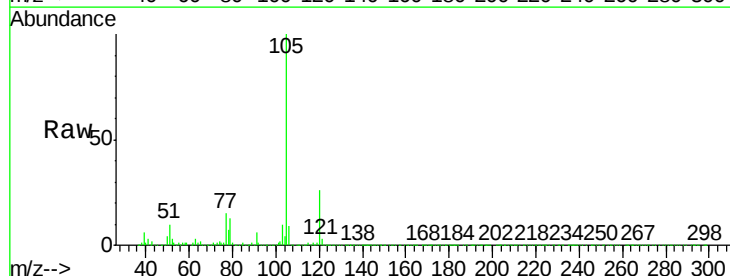
RT: 11.00 min Scan# 1659

Delta R.T. -0.01 min

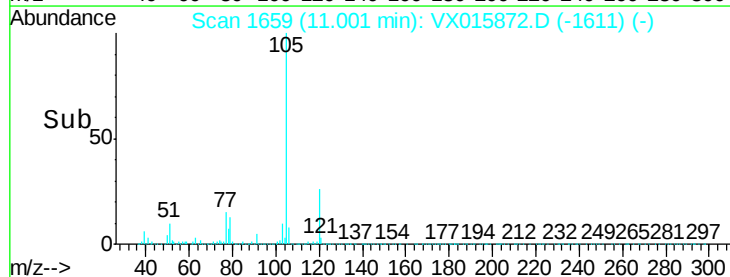
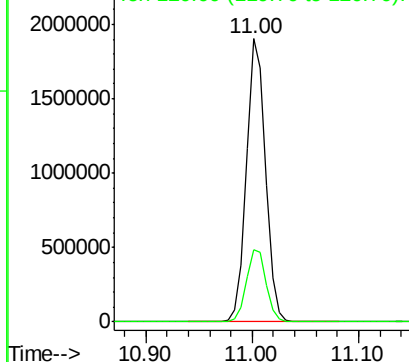
Lab File: VX015872.D

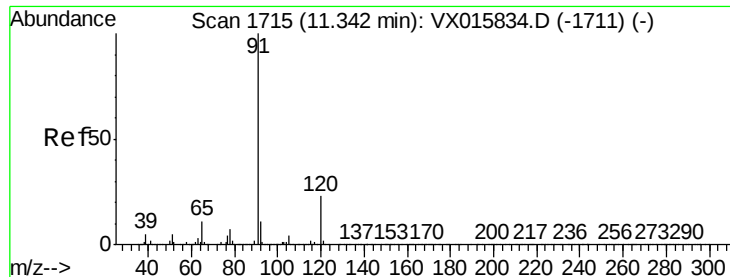
Acq: 23 Apr 2020 04:20

Tgt Ion:	105	Resp:	2392369
Ion Ratio	Lower	Upper	
105	100		
120	26.5	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: 37.294 ug/l

RT: 11.34 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VX015872.D

Acq: 23 Apr 2020 04:20

Instrument :

MSVOA_X

ClientSampleId :

KY001MW031-200421

Tot Ion: 91 Resp: 2173806

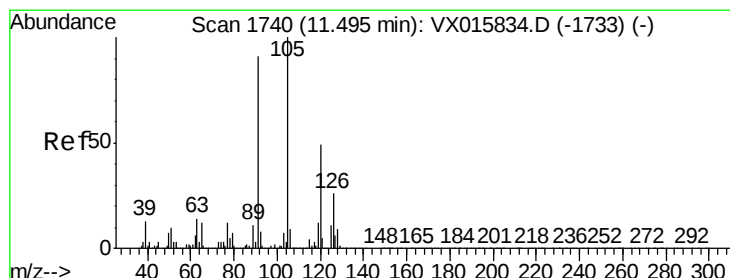
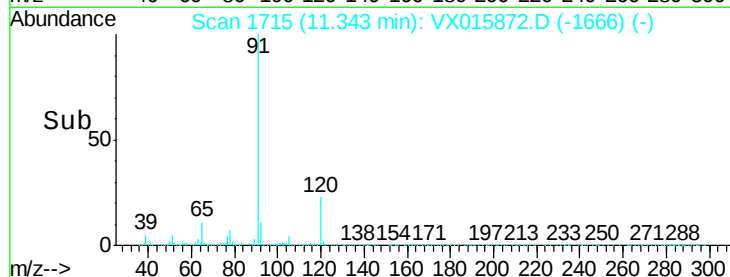
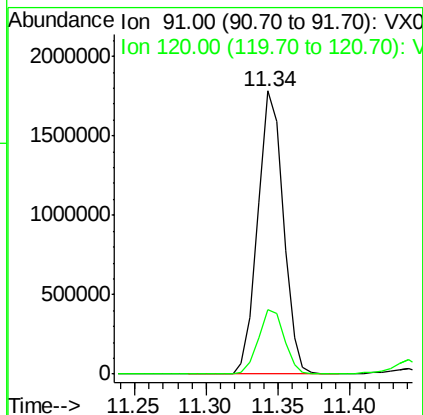
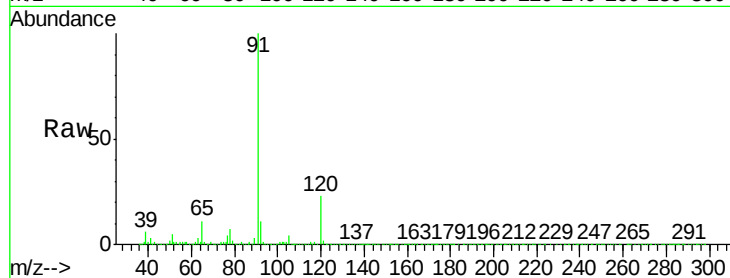
Ion Ratio Lower Upper

91 100

120 23.3 11.7 35.1

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#80

1,3,5-Trimethylbenzene

Concen: 7.991 ug/l

RT: 11.49 min Scan# 1739

Delta R.T. -0.01 min

Lab File: VX015872.D

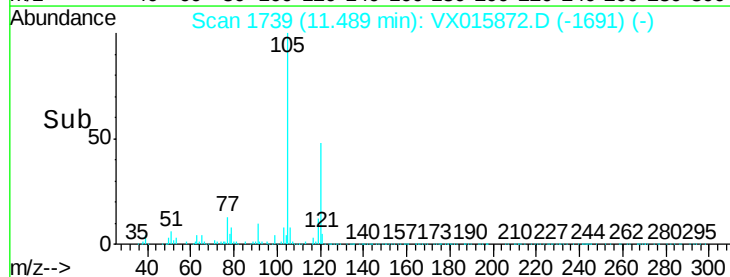
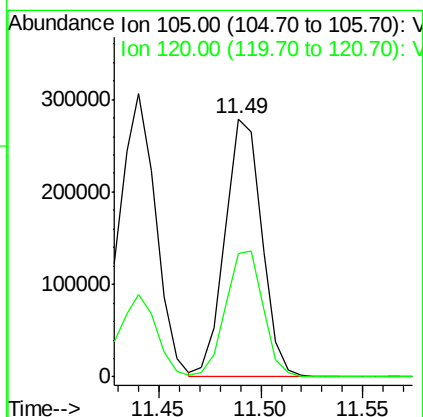
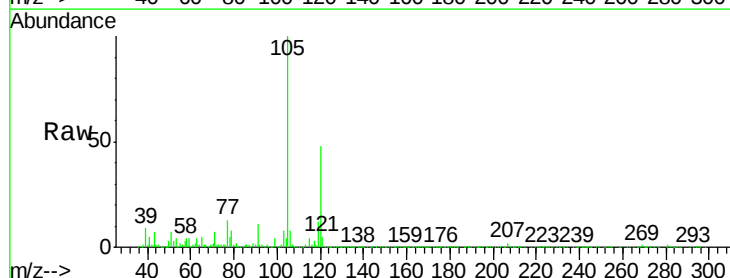
Acq: 23 Apr 2020 04:20

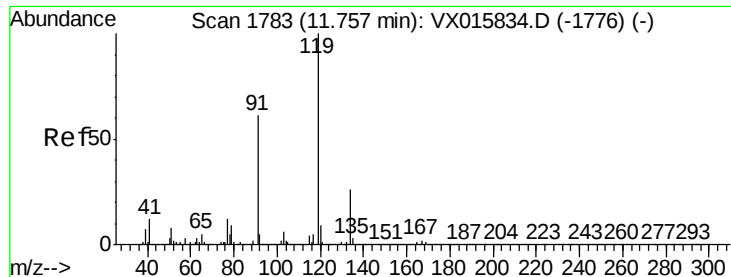
Tgt Ion: 105 Resp: 346720

Ion Ratio Lower Upper

105 100

120 49.6 24.9 74.7





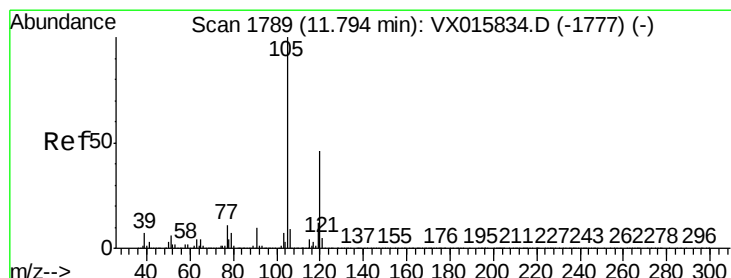
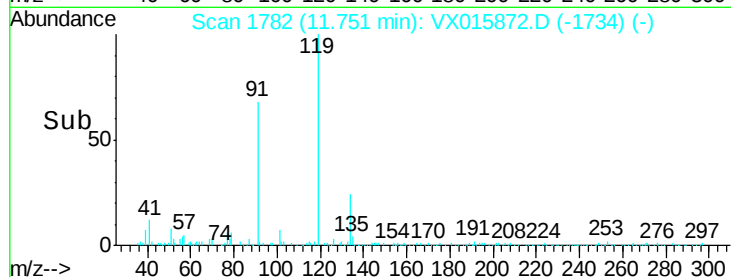
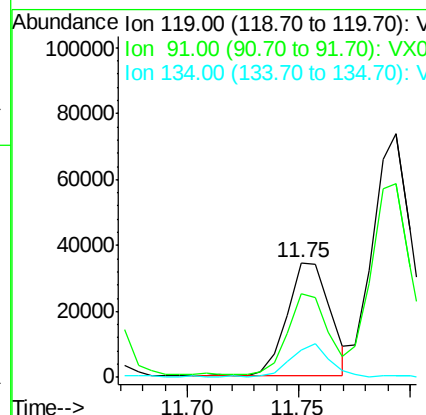
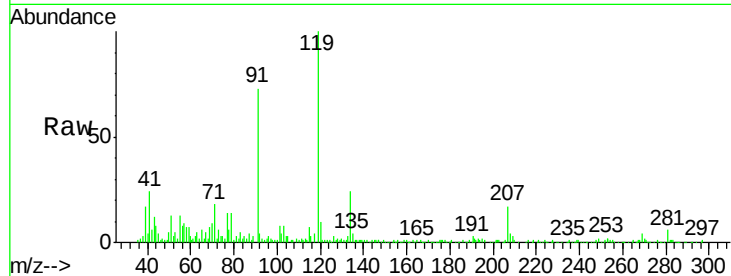
#83
tert-Butylbenzene
Concen: 1.196 ug/l
RT: 11.75 min Scan# 1782
Delta R.T. -0.01 min
Lab File: VX015872.D
Acq: 23 Apr 2020 04:20

Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-200421

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.3	30.9	92.7
134	25.5	12.4	37.2

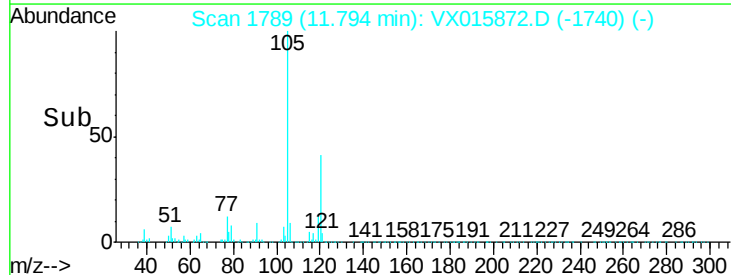
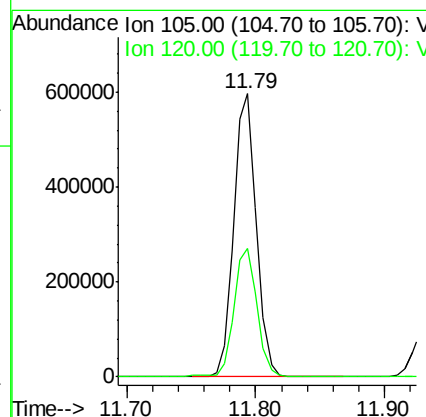
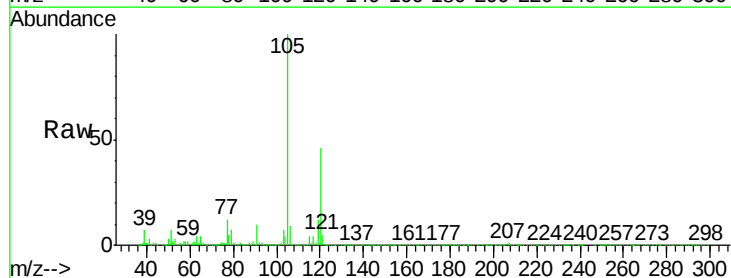
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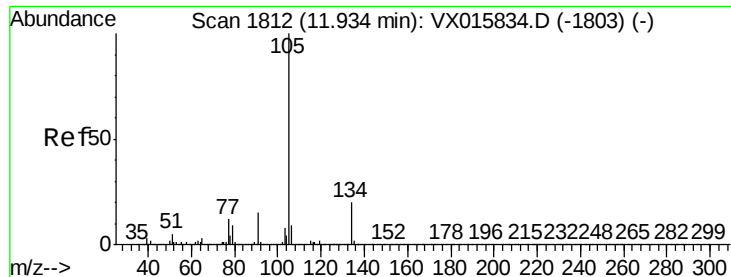
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#84
1,2,4-Trimethylbenzene
Concen: 16.204 ug/l
RT: 11.79 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX015872.D
Acq: 23 Apr 2020 04:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	22.9	68.7





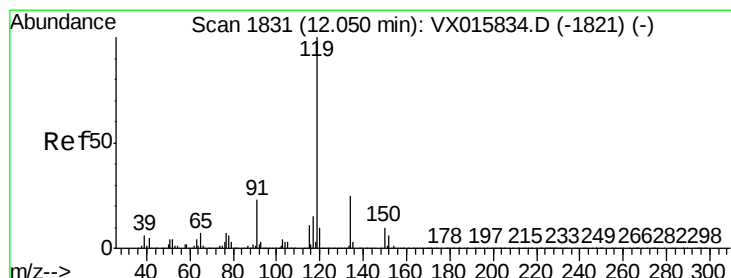
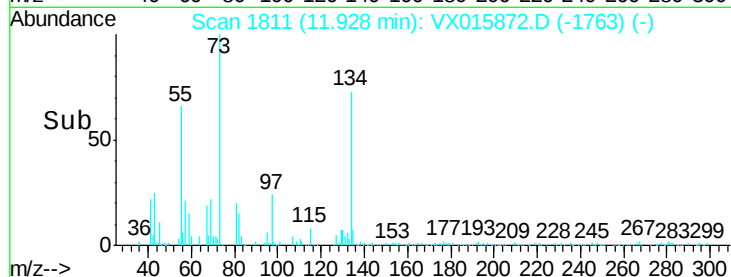
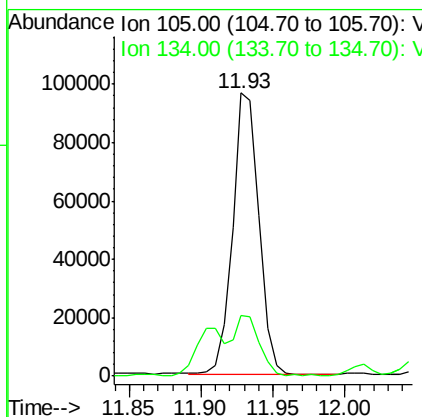
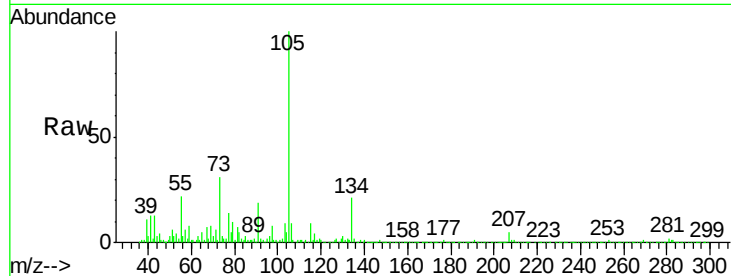
#85
 sec-Butylbenzene
 Concen: 2.433 ug/l
 RT: 11.93 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: VX015872.D
 Acq: 23 Apr 2020 04:20

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW031-200421

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.3	30.8

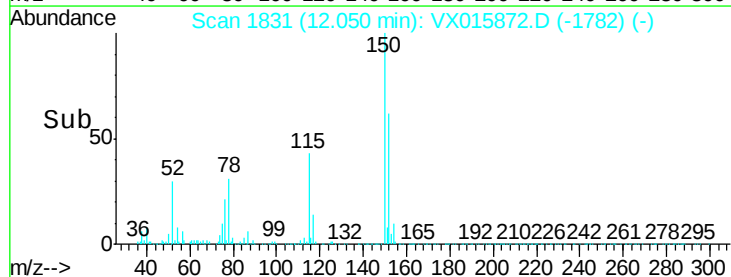
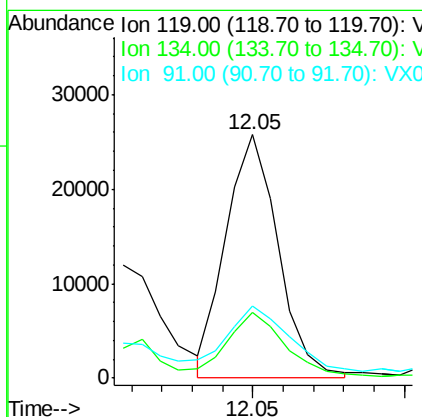
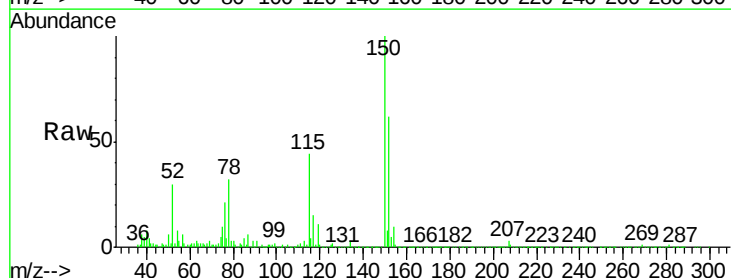
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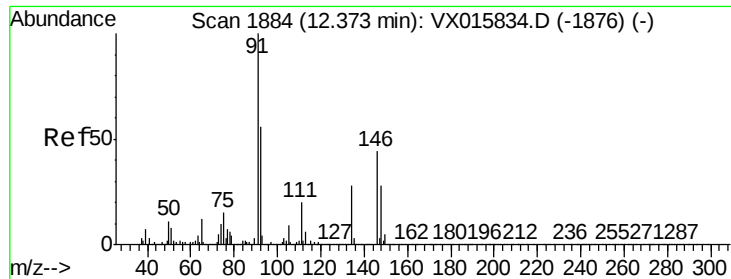
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#86
 p-Isopropyltoluene
 Concen: 0.657 ug/l m
 RT: 12.05 min Scan# 1831
 Delta R.T. 0.00 min
 Lab File: VX015872.D
 Acq: 23 Apr 2020 04:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	947.4	13.0	38.9#
91	828.4	11.5	34.5#





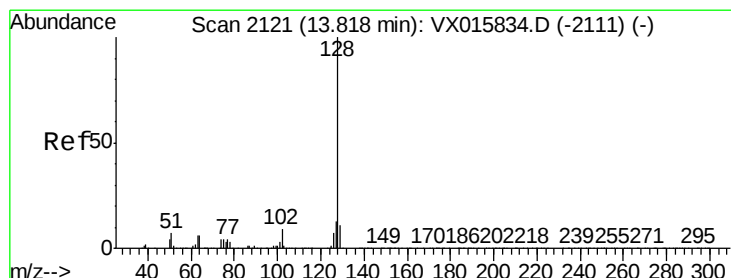
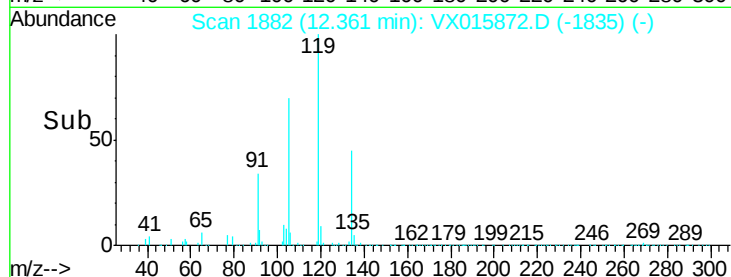
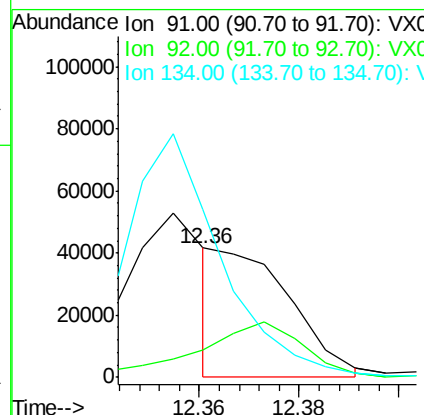
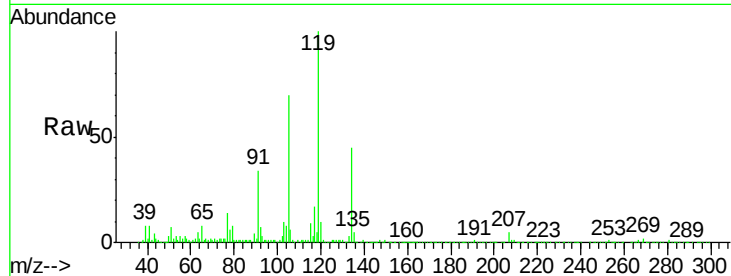
#89
n-Butylbenzene
Concen: 0.964 ug/l m
RT: 12.36 min Scan# 1882
Delta R.T. -0.01 min
Lab File: VX015872.D
Acq: 23 Apr 2020 04:20

Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-200421

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.7	27.7	83.1
134	250.1	14.1	42.4#

Manual Integrations
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#95
Naphthalene
Concen: 21.511 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. 0.00 min
Lab File: VX015872.D
Acq: 23 Apr 2020 04:20

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.5	15.7
129	12.1	8.5	12.7

