

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042320\
 Data File : VX015892.D
 Acq On : 23 Apr 2020 15:53
 Operator : JC/SP
 Sample : L2380-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW078-200421-FD

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 11:34:38 AM

Quant Time: Apr 24 06:24:22 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	829386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1284269	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1272668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	725333	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	476462	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
35) Dibromofluoromethane	5.47	113	381620	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	8.70	98	1552116	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
62) 4-Bromofluorobenzene	11.12	95	690577	56.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.82%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	3.01	59	114911	59.621	ug/l	100
16) Acetone	2.42	43	19250	4.687	ug/l	94
17) Carbon Disulfide	2.55	76	13595	0.515	ug/l	97
19) Methyl tert-butyl Ether	3.17	73	323947	12.632	ug/l #	32
31) Cyclohexane	5.56	56	120410	8.737	ug/l #	90
39) Methylcyclohexane	7.44	83	204196	14.163	ug/l	88
40) Benzene	6.12	78	127594	3.721	ug/l	96
52) Toluene	8.77	92	10955	0.498	ug/l	86
67) Ethyl Benzene	10.24	91	63489	1.421	ug/l	95
68) m/p-Xylenes	10.34	106	11372	0.678	ug/l	81
69) o-Xylene	10.68	106	13444	0.814	ug/l	92
73) Isopropylbenzene	11.00	105	2205706	47.882	ug/l	99
78) n-propylbenzene	11.34	91	4400846	83.396	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	13662m	0.348	ug/l	
83) tert-Butylbenzene	11.75	119	20801	0.597	ug/l	94
84) 1,2,4-Trimethylbenzene	11.79	105	26838	0.658	ug/l	96
85) sec-Butylbenzene	11.93	105	373665	8.135	ug/l	93
89) n-Butylbenzene	12.37	91	351648m	9.158	ug/l	
95) Naphthalene	13.82	128	746099	15.019	ug/l #	97

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

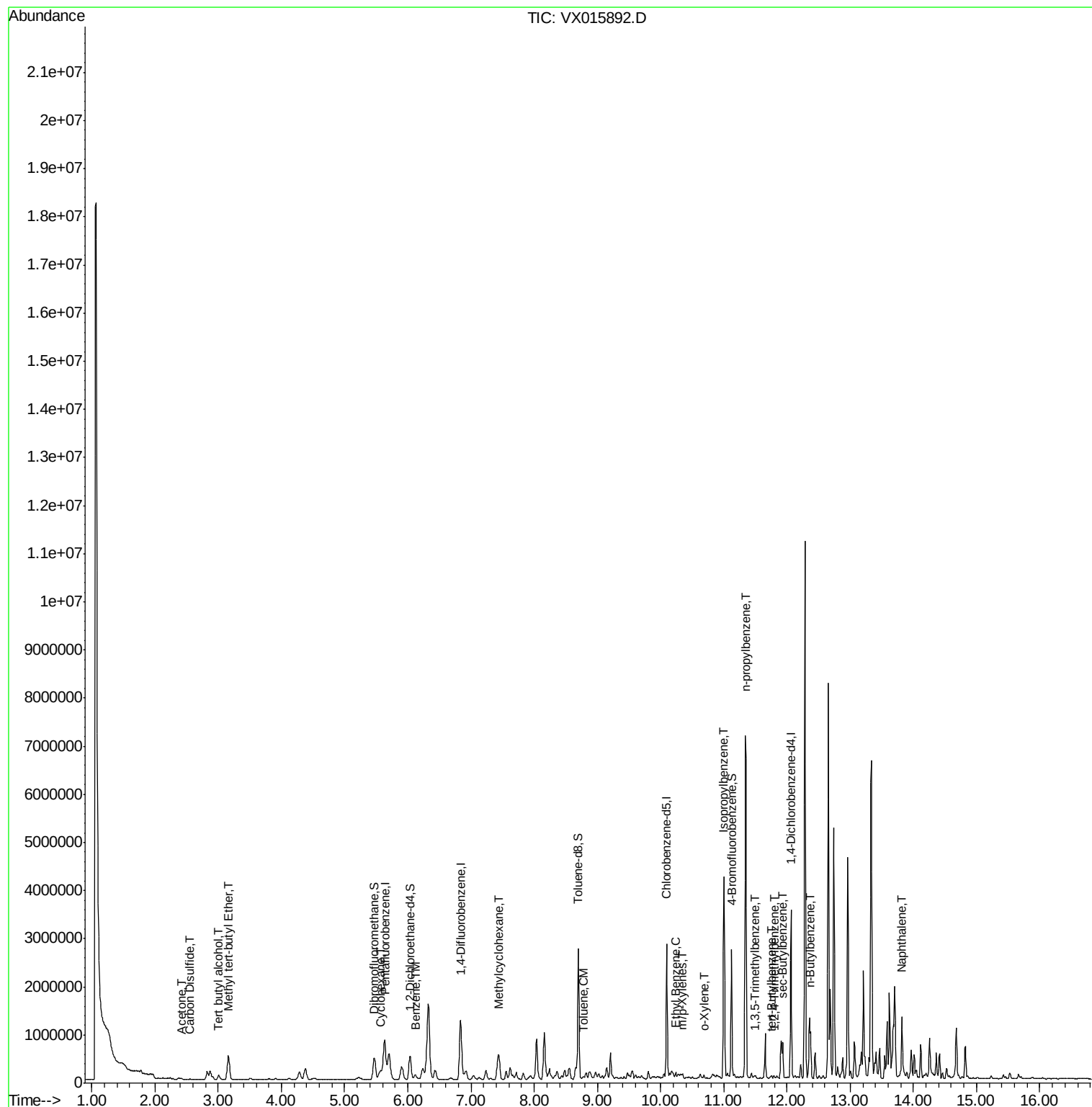
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042320\
Data File : VX015892.D
Acq On : 23 Apr 2020 15:53
Operator : JC/SP
Sample : L2380-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

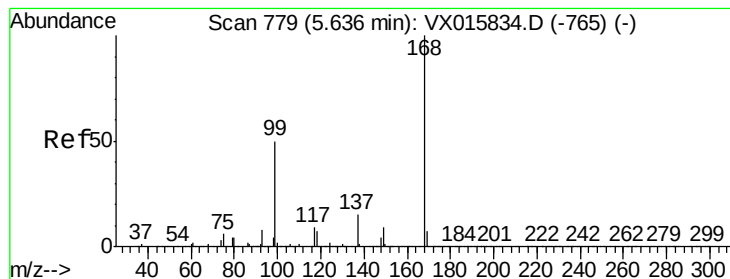
Instrument :
MSVOA_X
ClientSampleId :
KY001MW078-200421-FD

Manual Integrations
APPROVED

MMDadoda
4/24/2020 11:34:38 AM

Quant Time: Apr 24 06:24:22 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

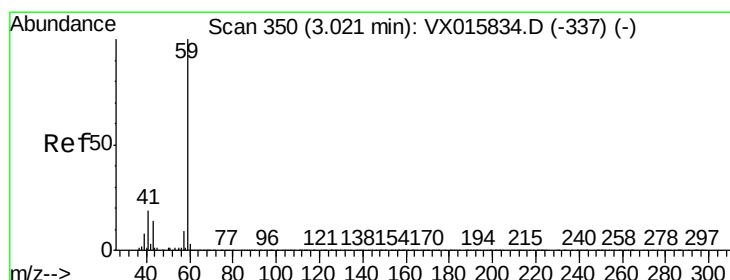
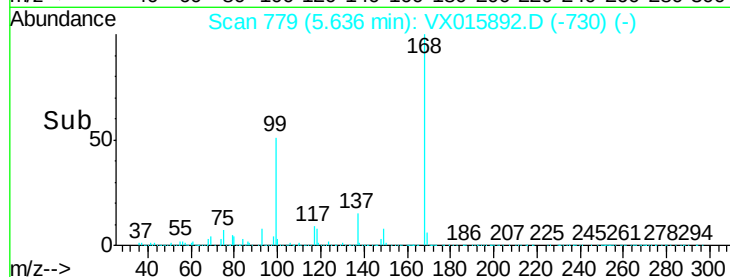
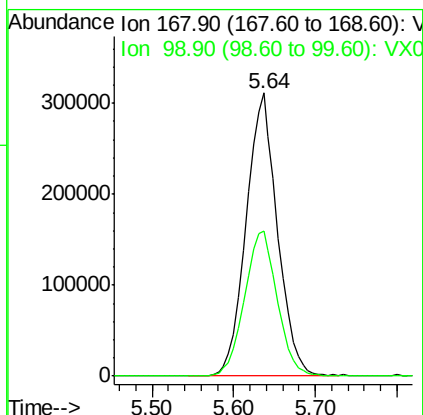
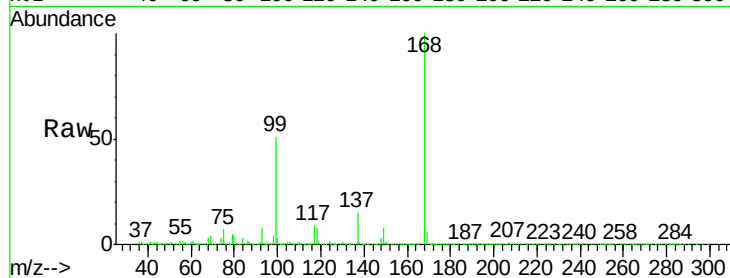
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. 0.00 min
 Lab File: VX015892.D
 Acq: 23 Apr 2020 15:53

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW078-200421-FD

Tot Ion	Ratio	Resp	Lower	Upper
168	100	829386		
99	51.0		40.3	60.5

Manual Integrations
 APPROVED

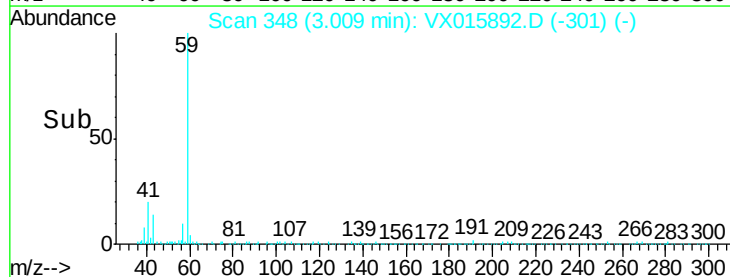
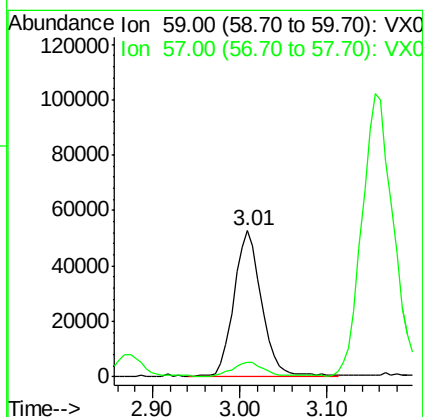
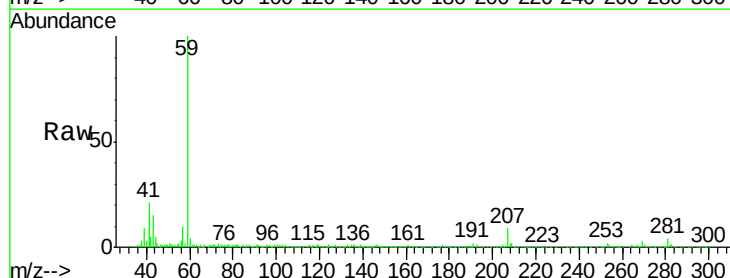
MMDadoda
 4/24/2020 11:34:38 AM

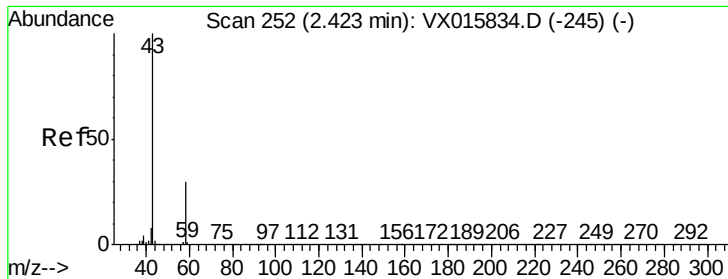


#11

Tert butyl alcohol
 Concen: 59.621 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VX015892.D
 Acq: 23 Apr 2020 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	114911		
57	10.1		8.2	12.2





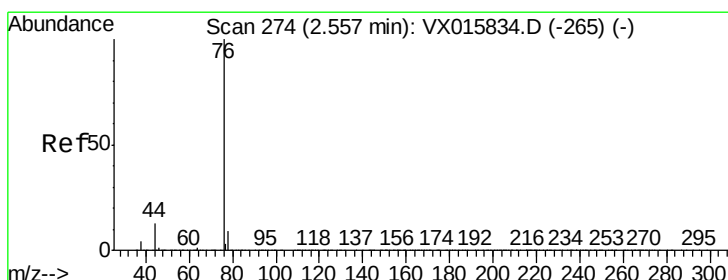
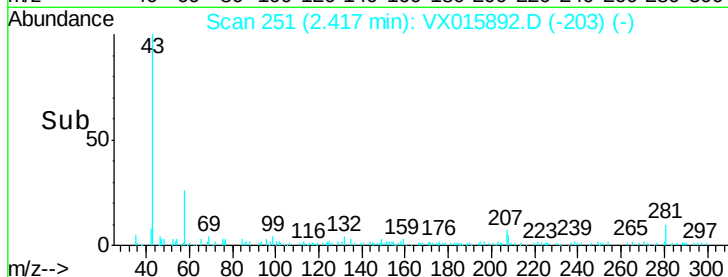
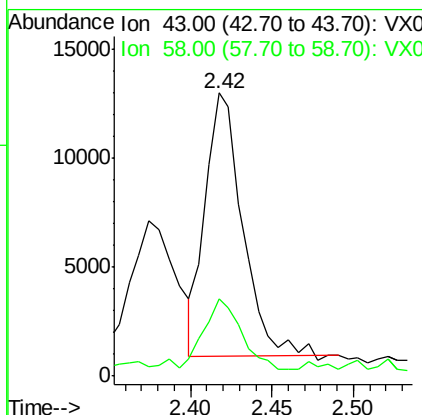
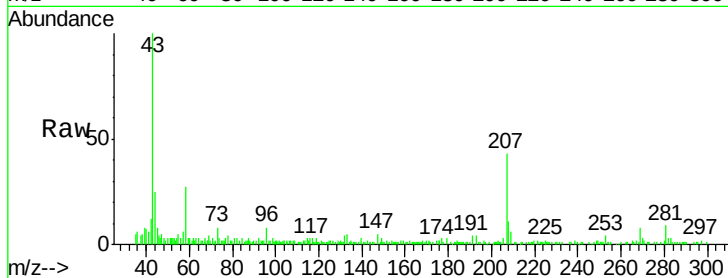
#16
Acetone
Concen: 4.687 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.01 min
Lab File: VX015892.D
Acq: 23 Apr 2020 15:53

Instrument :
MSVOA_X
ClientSampleId :
KY001MW078-200421-FD

Tot Ion: 43 Resp: 19250
Ion Ratio Lower Upper
43 100
58 26.6 24.0 36.0

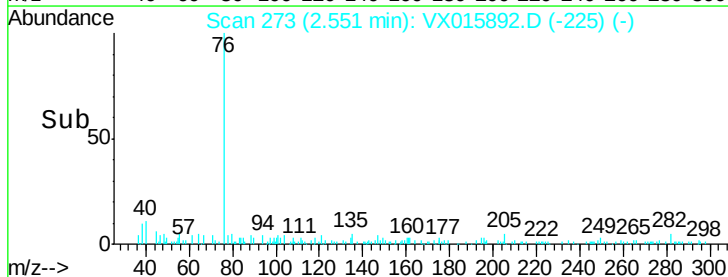
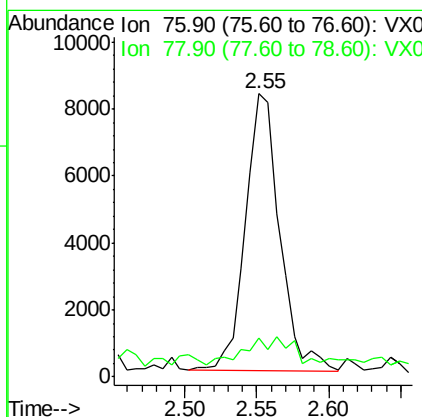
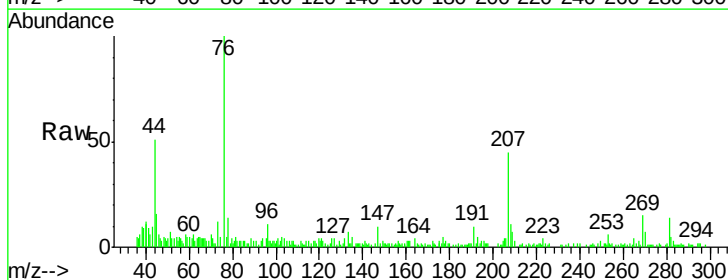
Manual Integrations
APPROVED

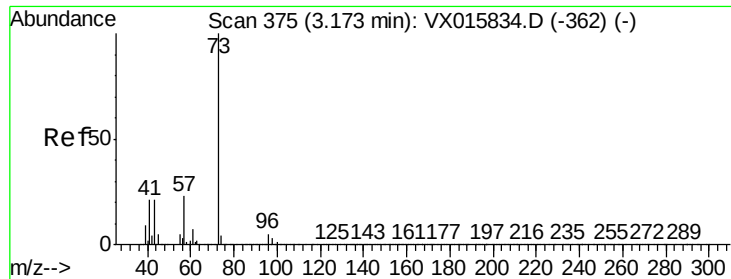
MMDadoda
4/24/2020 11:34:38 AM



#17
Carbon Disulfide
Concen: 0.515 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.01 min
Lab File: VX015892.D
Acq: 23 Apr 2020 15:53

Tgt Ion: 76 Resp: 13595
Ion Ratio Lower Upper
76 100
78 8.2 7.4 11.2





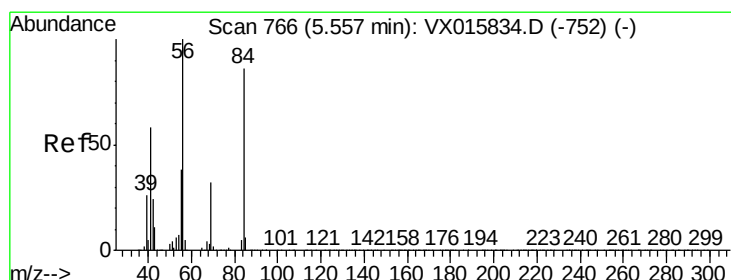
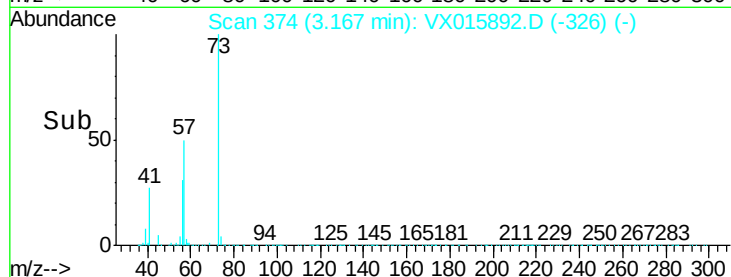
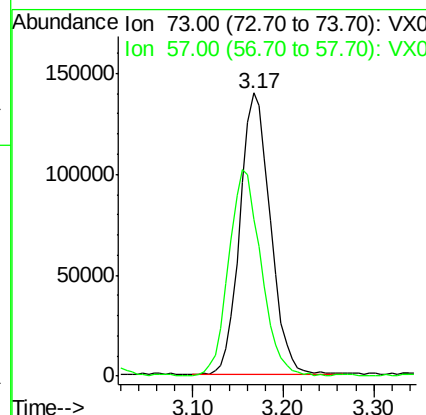
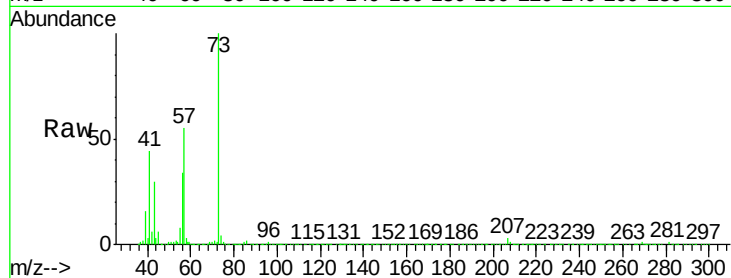
#19
Methyl tert-butyl Ether
Concen: 12.632 ug/l
RT: 3.17 min Scan# 374
Delta R.T. -0.01 min
Lab File: VX015892.D
Acq: 23 Apr 2020 15:53

Instrument :
MSVOA_X
ClientSampleId :
KY001MW078-200421-FD

Tot Ion	Ratio	Lower	Upper
73	100		
57	55.5	18.1	27.1#

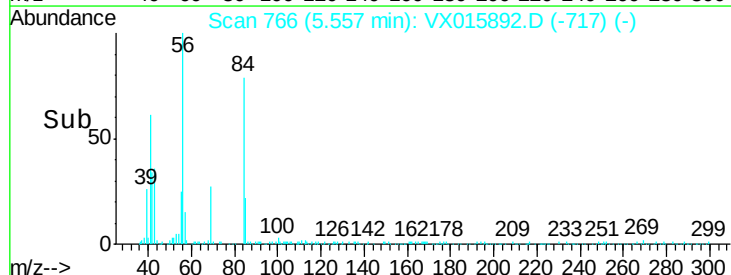
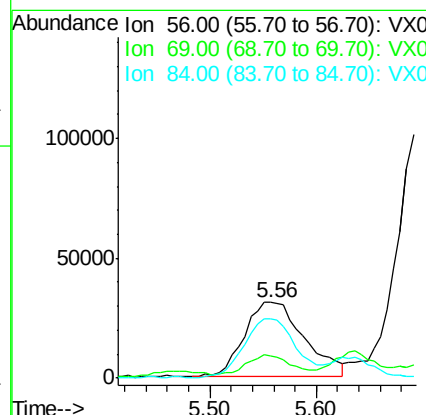
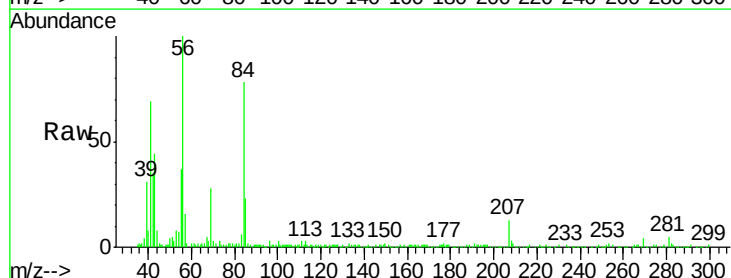
Manual Integrations
APPROVED

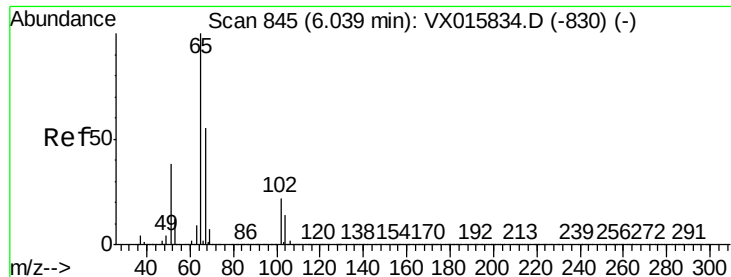
MMDadoda
4/24/2020 11:34:38 AM



#31
Cyclohexane
Concen: 8.737 ug/l
RT: 5.56 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX015892.D
Acq: 23 Apr 2020 15:53

Tgt Ion	Ratio	Lower	Upper
56	100		
69	21.3	25.3	37.9#
84	79.9	69.1	103.7





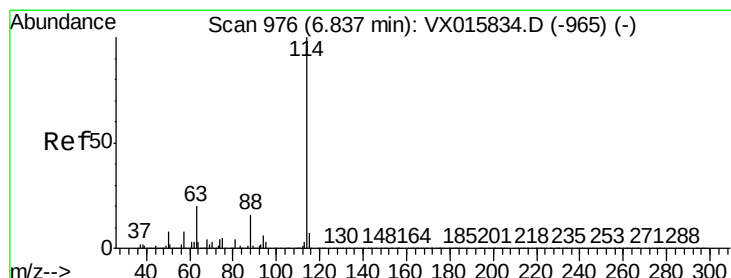
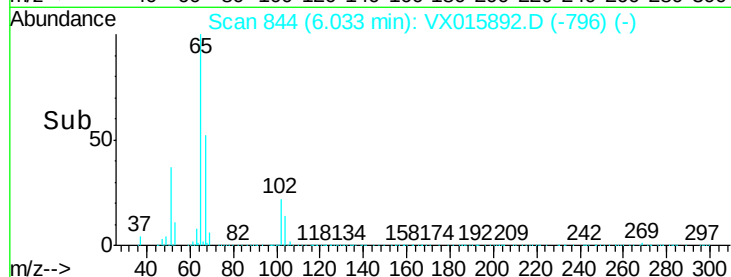
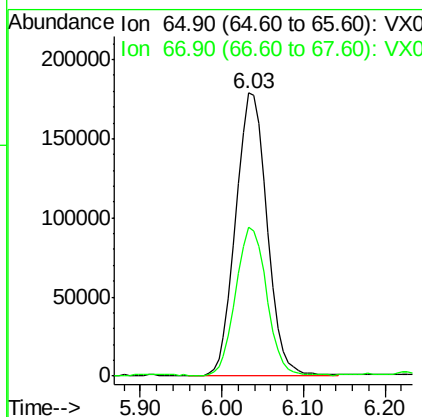
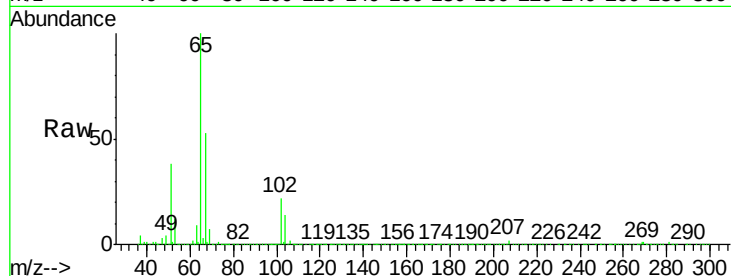
#33
 1,2-Dichloroethane-d4
 Concen: 50.510 ug/l
 RT: 6.03 min Scan# 844
 Delta R.T. -0.01 min
 Lab File: VX015892.D
 Acq: 23 Apr 2020 15:53

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW078-200421-FD

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	104.2

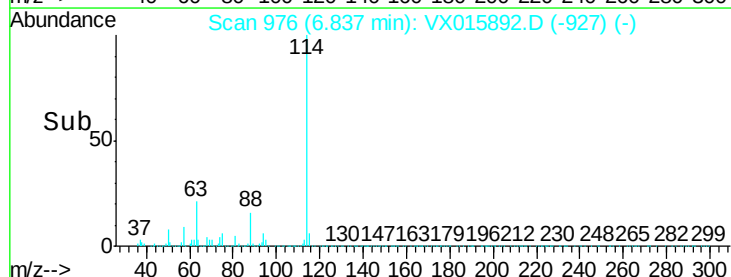
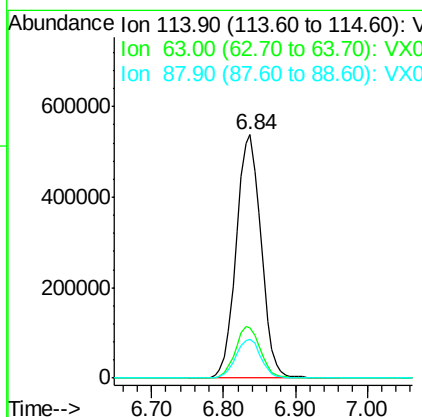
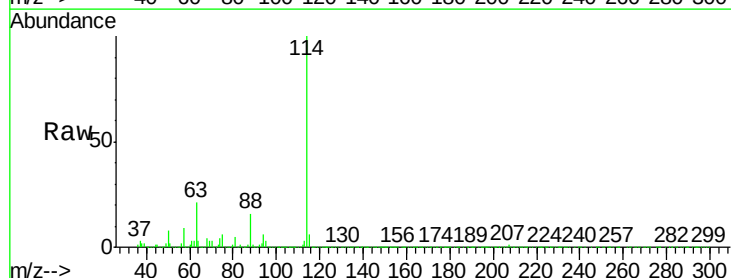
Manual Integrations
 APPROVED

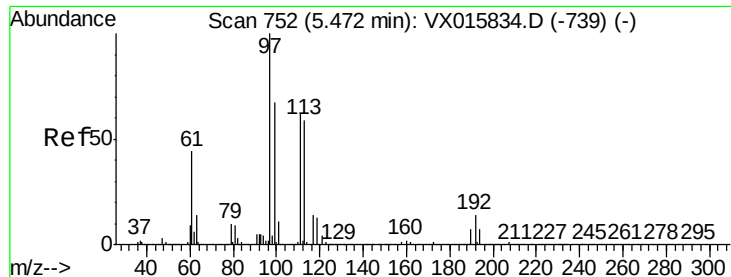
MMDadoda
 4/24/2020 11:34:38 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VX015892.D
 Acq: 23 Apr 2020 15:53

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.6
88	16.1	0.0	32.8





#35

Dibromofluoromethane

Concen: 51.479 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015892.D

Acq: 23 Apr 2020 15:53

Instrument :

MSVOA_X

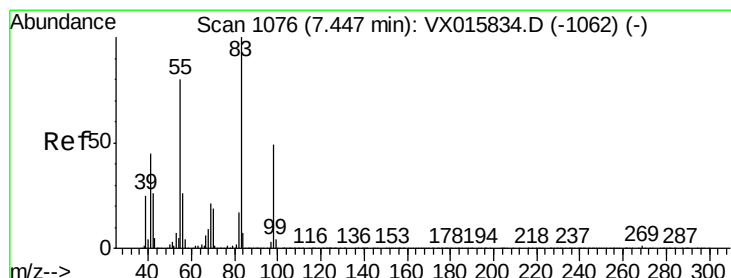
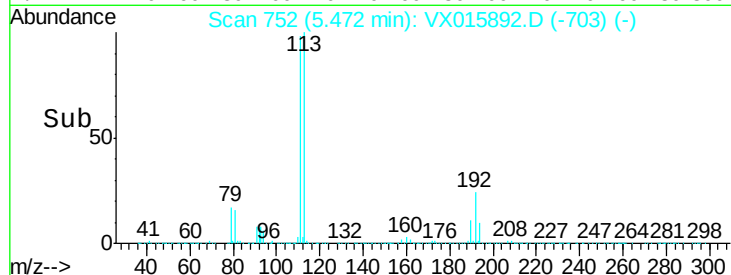
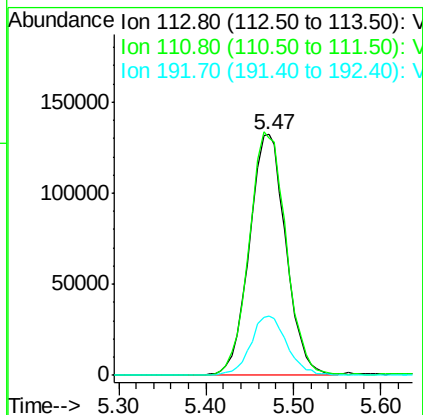
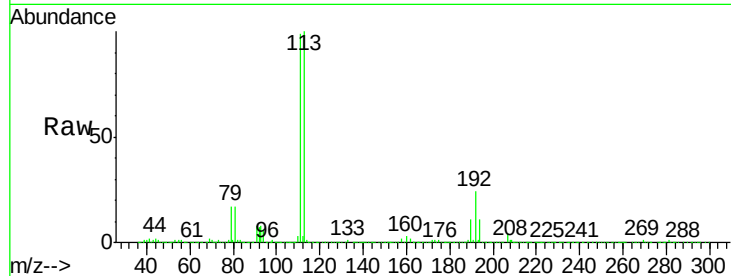
ClientSampleId :

KY001MW078-200421-FD

Tot Ion:	113	Resp:	381620
Ion Ratio	Lower	Upper	
113	100		
111	102.6	82.7	124.1
192	24.3	19.3	28.9

Manual Integrations
APPROVED

MMDadoda
4/24/2020 11:34:38 AM



#39

Methylcyclohexane

Concen: 14.163 ug/l

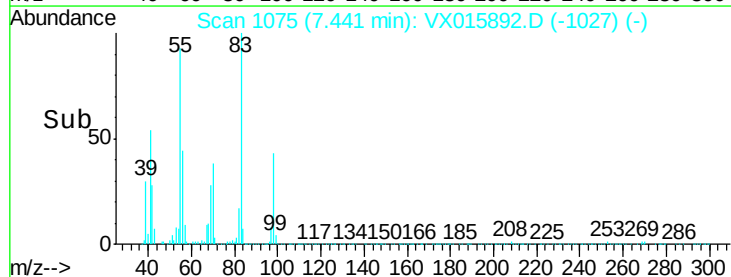
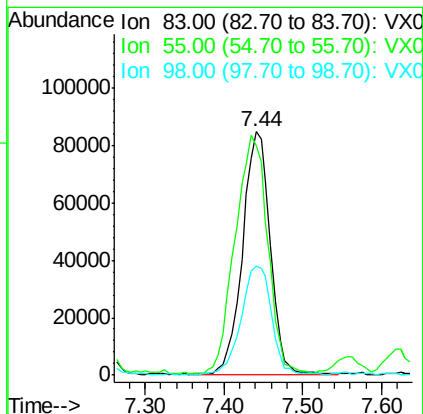
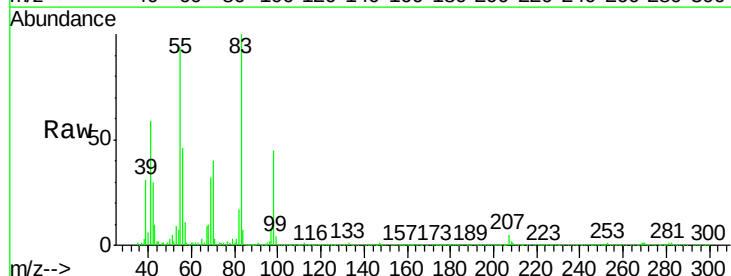
RT: 7.44 min Scan# 1075

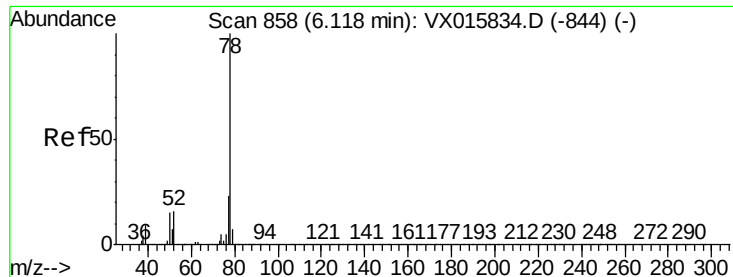
Delta R.T. -0.01 min

Lab File: VX015892.D

Acq: 23 Apr 2020 15:53

Tgt Ion:	83	Resp:	204196
Ion Ratio	Lower	Upper	
83	100		
55	93.9	64.2	96.4
98	44.9	39.3	58.9





#40

Benzene

Concen: 3.721 ug/l

RT: 6.12 min Scan# 858

Delta R.T. 0.00 min

Lab File: VX015892.D

Acq: 23 Apr 2020 15:53

Instrument :

MSVOA_X

ClientSampleId :

KY001MW078-200421-FD

Tot Ion: 78 Resp: 127594

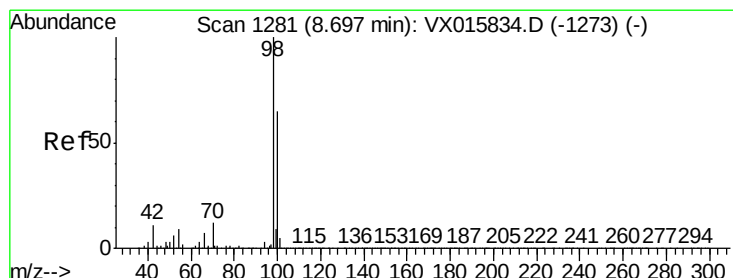
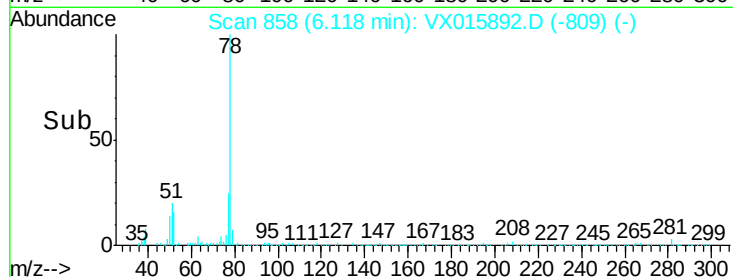
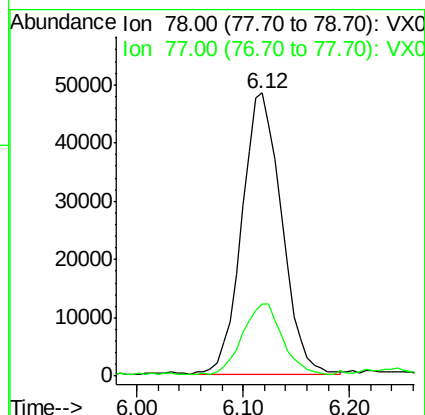
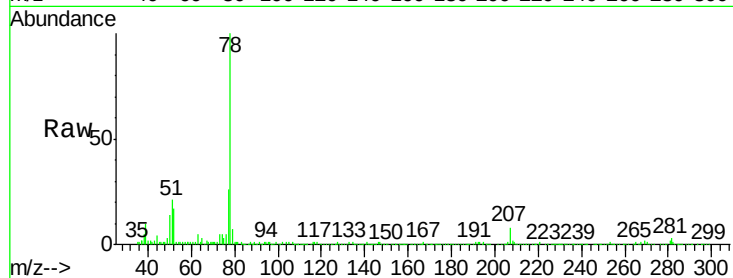
Ion Ratio Lower Upper

78 100

77 25.1 18.6 27.8

Manual Integrations
APPROVED

MMDadoda
4/24/2020 11:34:38 AM



#50

Toluene-d8

Concen: 52.010 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015892.D

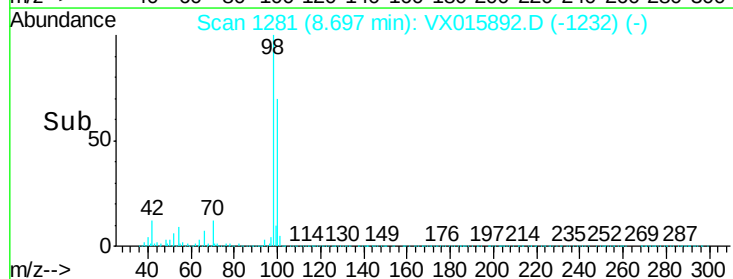
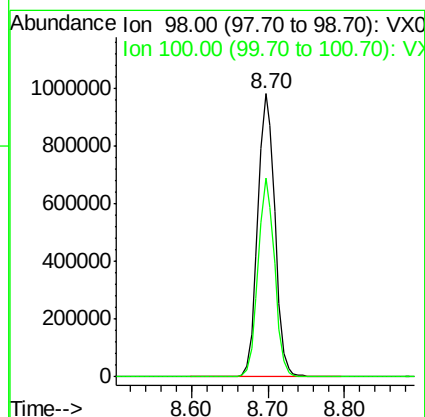
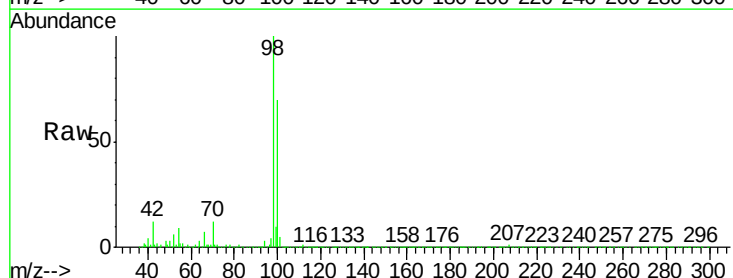
Acq: 23 Apr 2020 15:53

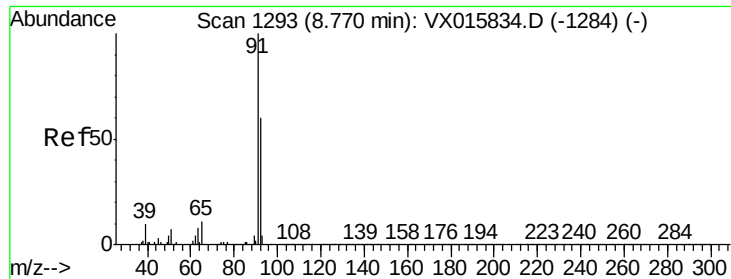
Tgt Ion: 98 Resp: 1552116

Ion Ratio Lower Upper

98 100

100 67.4 53.8 80.6





#52

Toluene

Concen: 0.498 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX015892.D

Acq: 23 Apr 2020 15:53

Instrument :

MSVOA_X

ClientSampleId :

KY001MW078-200421-FD

Tot Ion: 92 Resp: 10955

Ion Ratio Lower Upper

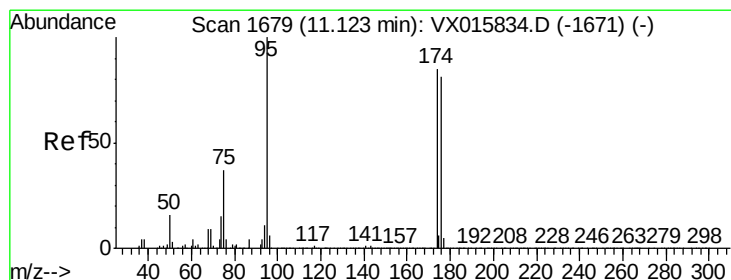
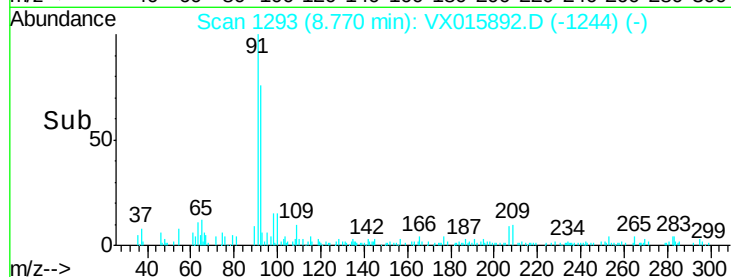
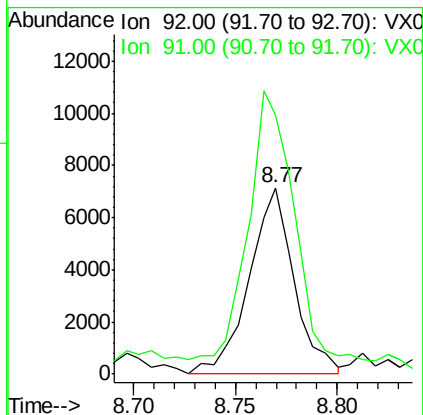
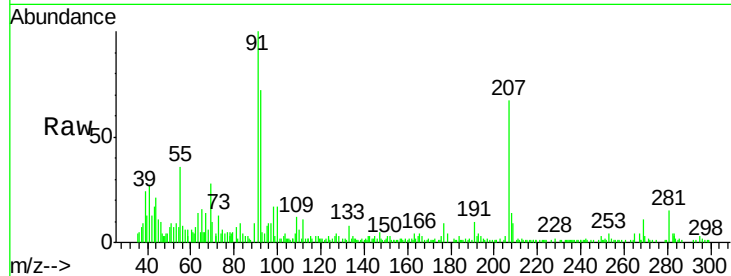
92 100

91 148.3 133.4 200.0

Manual Integrations
APPROVED

MMDadoda

4/24/2020 11:34:38 AM



#62

4-Bromofluorobenzene

Concen: 56.409 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015892.D

Acq: 23 Apr 2020 15:53

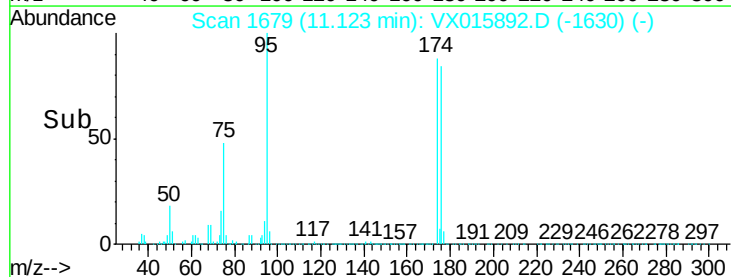
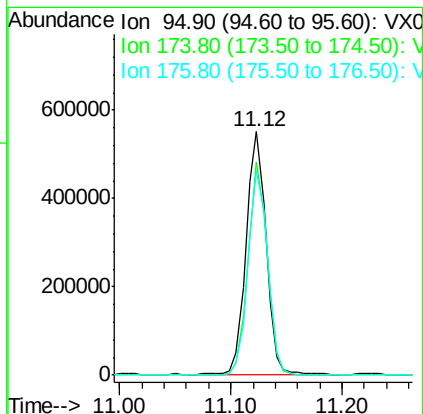
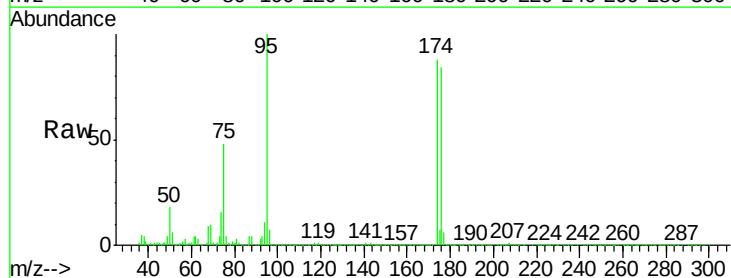
Tgt Ion: 95 Resp: 690577

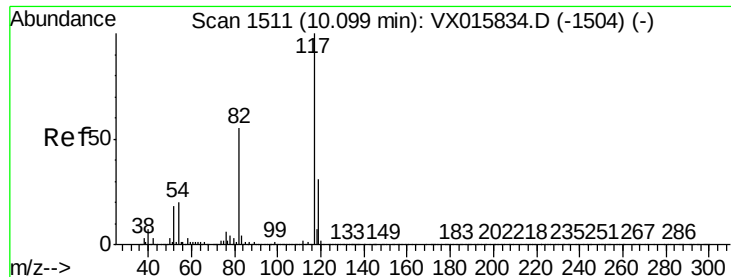
Ion Ratio Lower Upper

95 100

174 83.4 0.0 172.4

176 82.6 0.0 167.0





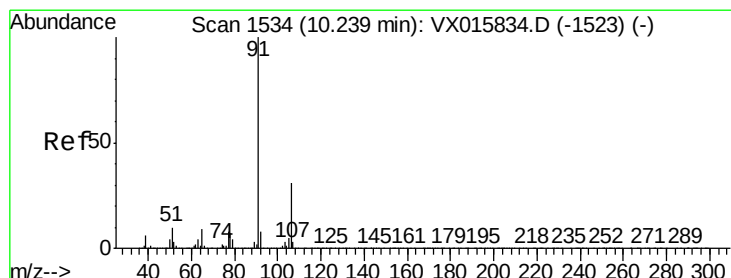
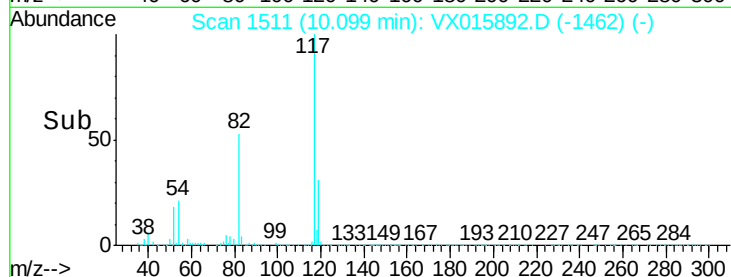
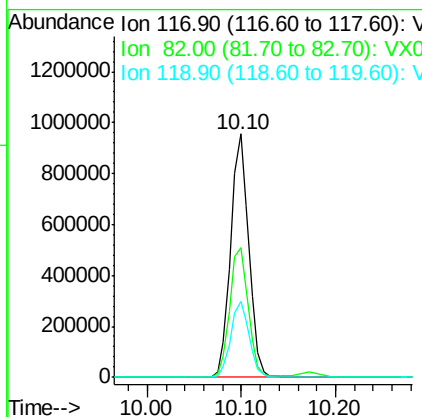
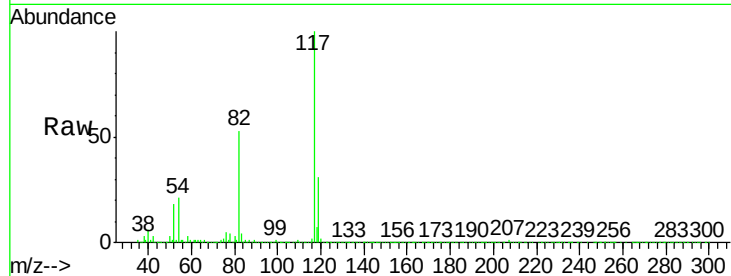
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015892.D
Acq: 23 Apr 2020 15:53

Instrument :
MSVOA_X
ClientSampleId :
KY001MW078-200421-FD

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	43.9	65.9
119	31.1	25.1	37.7

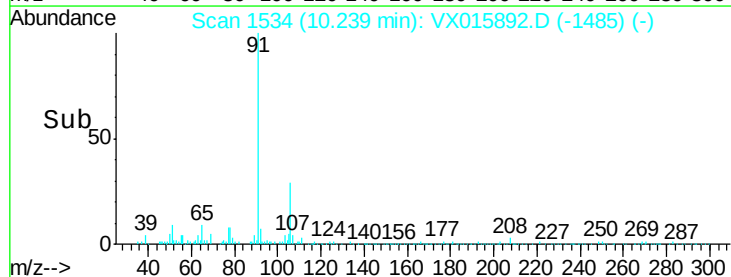
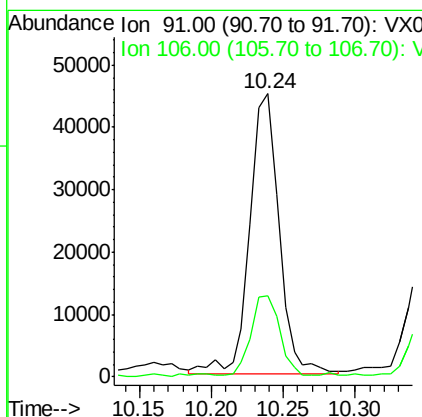
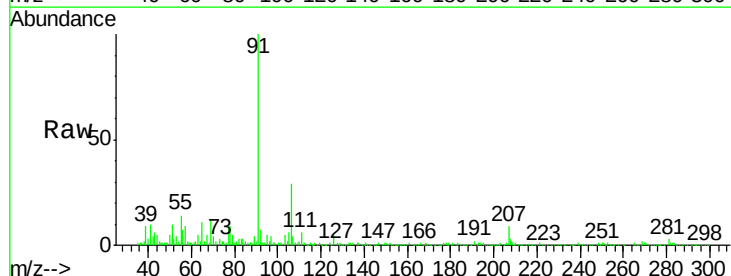
Manual Integrations
APPROVED

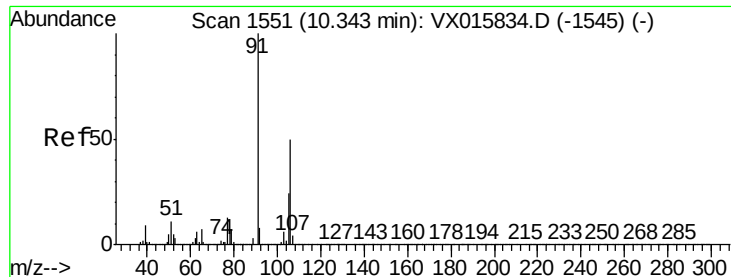
MMDadoda
4/24/2020 11:34:38 AM



#67
Ethyl Benzene
Concen: 1.421 ug/l
RT: 10.24 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VX015892.D
Acq: 23 Apr 2020 15:53

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.4	25.0	37.4





#68

m/p-Xylenes

Concen: 0.678 ug/l

RT: 10.34 min Scan# 1551

Delta R.T. 0.00 min

Lab File: VX015892.D

Acq: 23 Apr 2020 15:53

Instrument :

MSVOA_X

ClientSampleId :

KY001MW078-200421-FD

Tot Ion:106 Resp: 11372

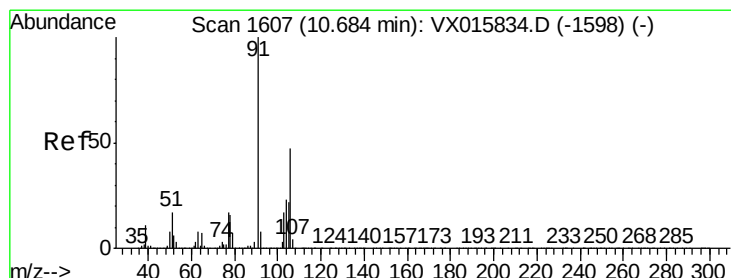
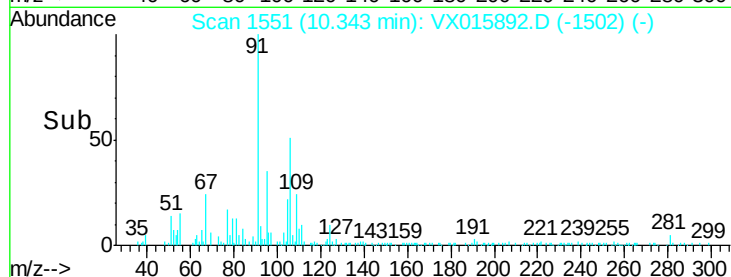
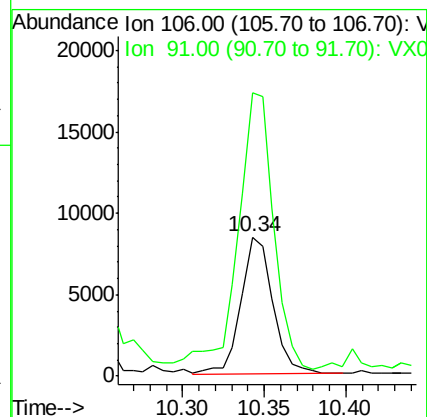
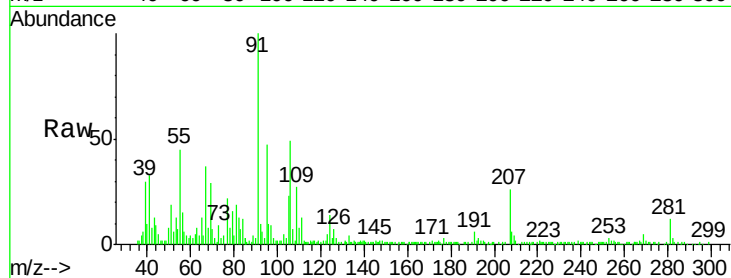
Ion Ratio Lower Upper

106 100

91 229.6 161.1 241.7

Manual Integrations
APPROVED

MMDadoda
4/24/2020 11:34:38 AM



#69

o-Xylene

Concen: 0.814 ug/l

RT: 10.68 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VX015892.D

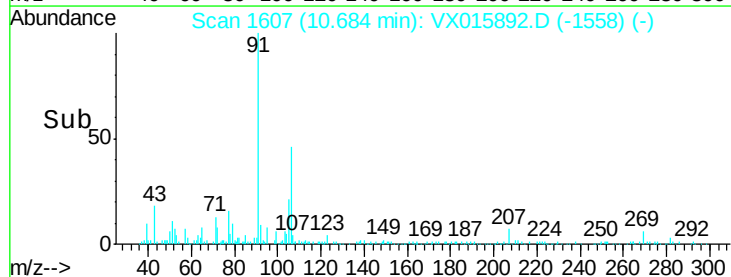
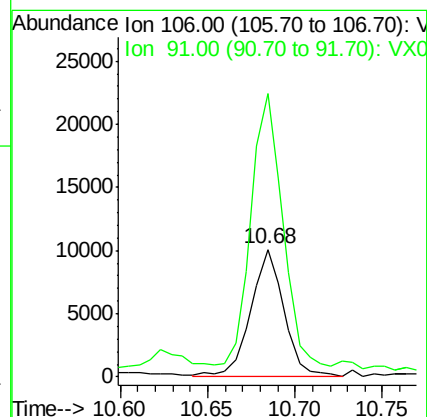
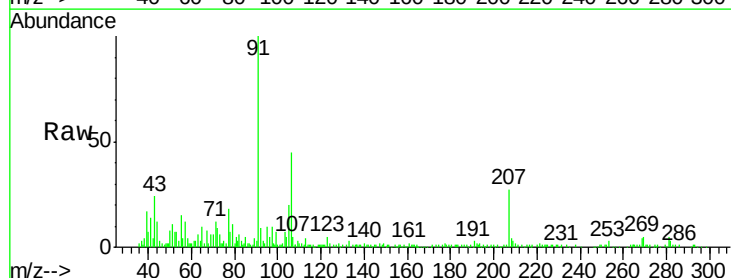
Acq: 23 Apr 2020 15:53

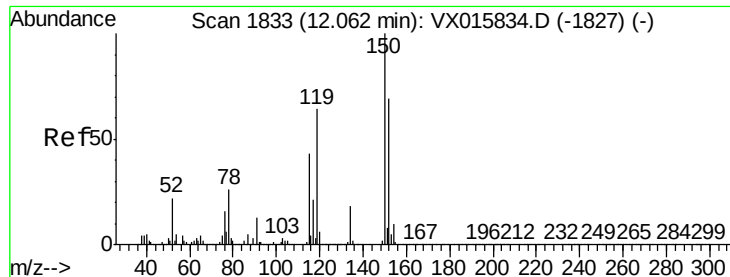
Tgt Ion:106 Resp: 13444

Ion Ratio Lower Upper

106 100

91 201.9 107.1 321.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015892.D

Acq: 23 Apr 2020 15:53

Instrument :

MSVOA_X

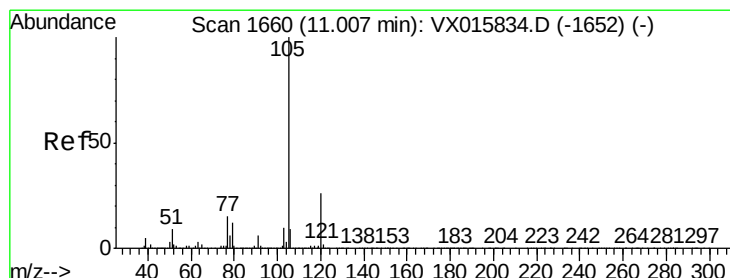
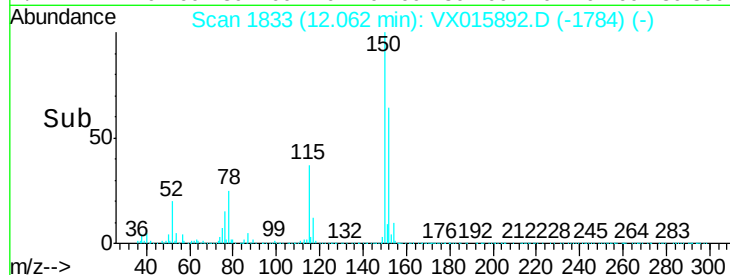
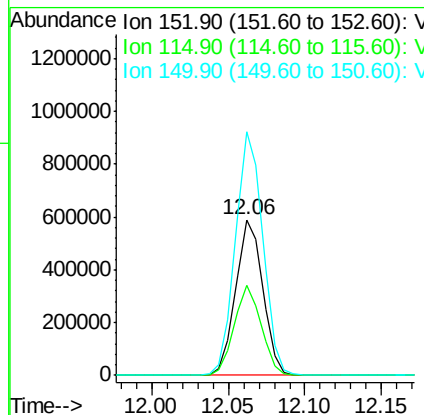
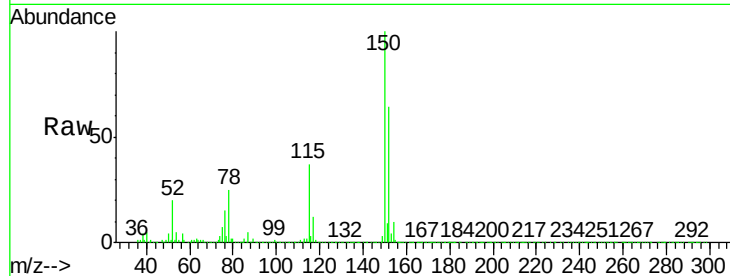
ClientSampleId :

KY001MW078-200421-FD

Tot Ion:	152	Resp:	725333
Ion Ratio	Lower	Upper	
152	100		
115	56.9	39.0	116.9
150	157.7	0.0	336.8

Manual Integrations
APPROVED

MMDadoda
4/24/2020 11:34:38 AM



#73

Isopropylbenzene

Concen: 47.882 ug/l

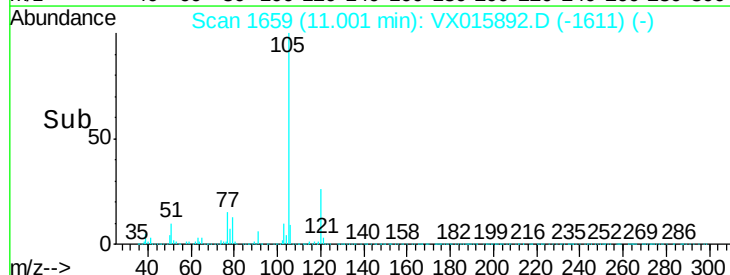
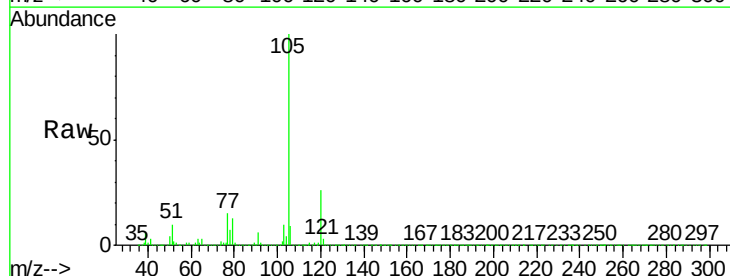
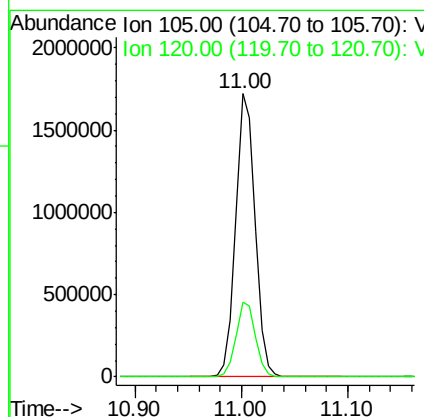
RT: 11.00 min Scan# 1659

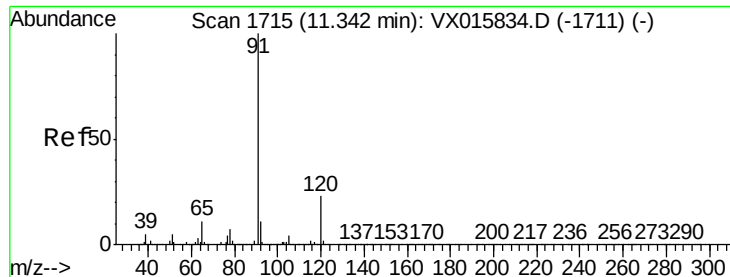
Delta R.T. -0.01 min

Lab File: VX015892.D

Acq: 23 Apr 2020 15:53

Tgt Ion:	105	Resp:	2205706
Ion Ratio	Lower	Upper	
105	100		
120	26.5	13.1	39.1





#78

n-propylbenzene

Concen: 83.396 ug/l

RT: 11.34 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VX015892.D

Acq: 23 Apr 2020 15:53

Instrument :

MSVOA_X

ClientSampleId :

KY001MW078-200421-FD

Tot Ion: 91 Resp: 4400846

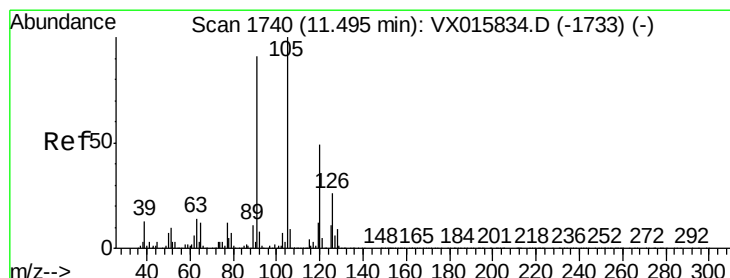
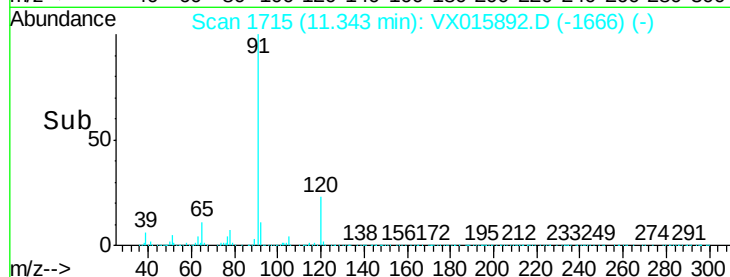
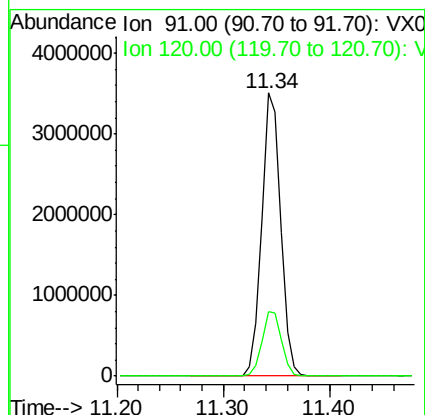
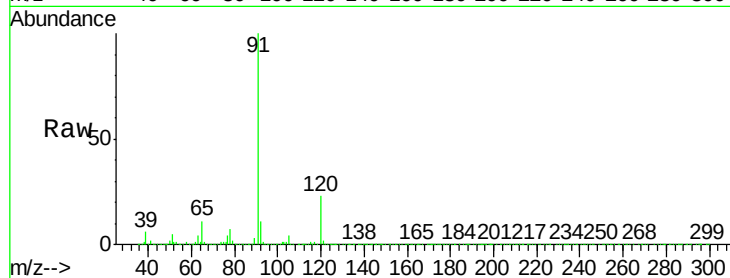
Ion Ratio Lower Upper

91 100

120 23.4 11.7 35.1

Manual Integrations
APPROVED

MMDadoda
4/24/2020 11:34:38 AM



#80

1,3,5-Trimethylbenzene

Concen: 0.348 ug/l m

RT: 11.49 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VX015892.D

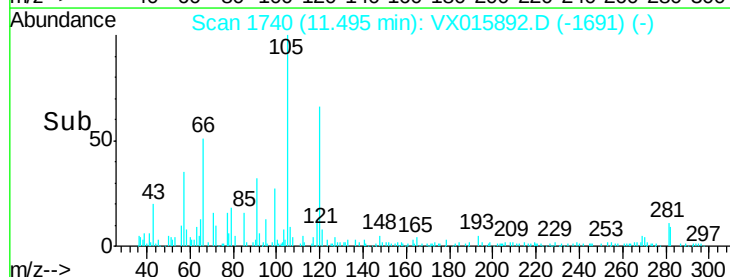
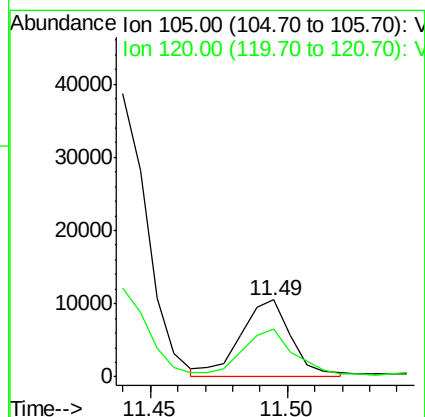
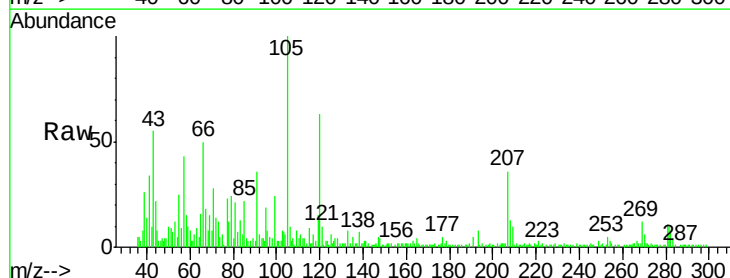
Acq: 23 Apr 2020 15:53

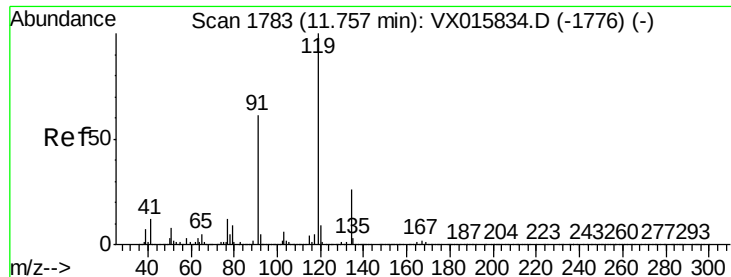
Tgt Ion: 105 Resp: 13662

Ion Ratio Lower Upper

105 100

120 936.3 24.9 74.7#





#83

tert-Butylbenzene

Concen: 0.597 ug/l

RT: 11.75 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VX015892.D

Acq: 23 Apr 2020 15:53

Instrument :

MSVOA_X

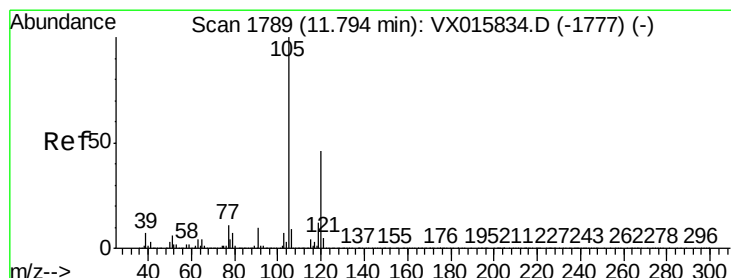
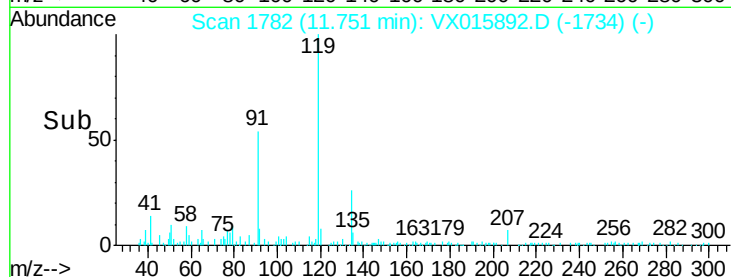
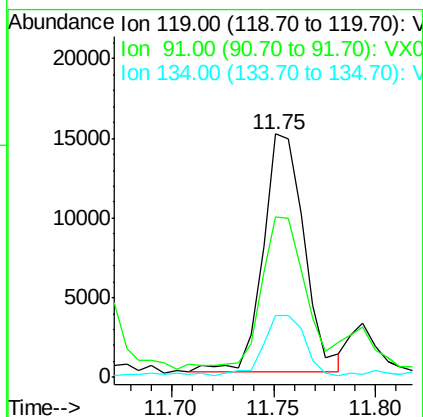
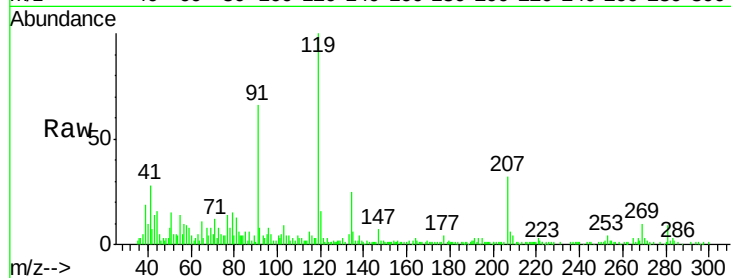
ClientSampleId :

KY001MW078-200421-FD

Tot Ion:	119	Resp:	20801
Ion Ratio	Lower	Upper	
119	100		
91	67.8	30.9	92.7
134	25.1	12.4	37.2

Manual Integrations
APPROVED

MMDadoda
4/24/2020 11:34:38 AM



#84

1,2,4-Trimethylbenzene

Concen: 0.658 ug/l

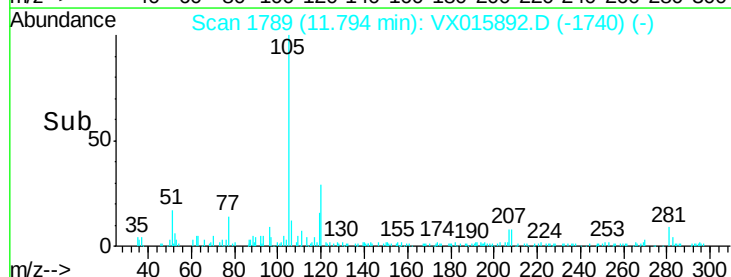
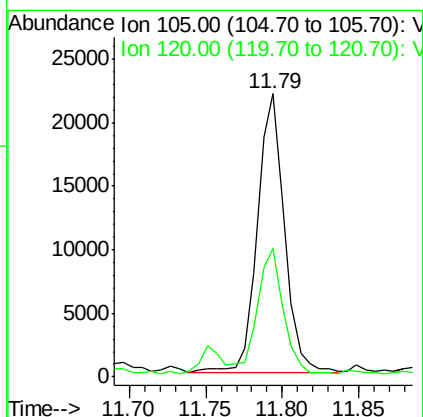
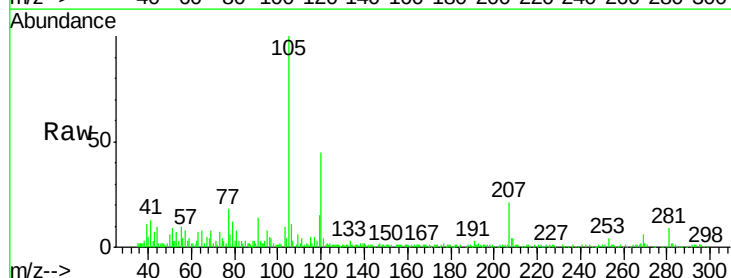
RT: 11.79 min Scan# 1789

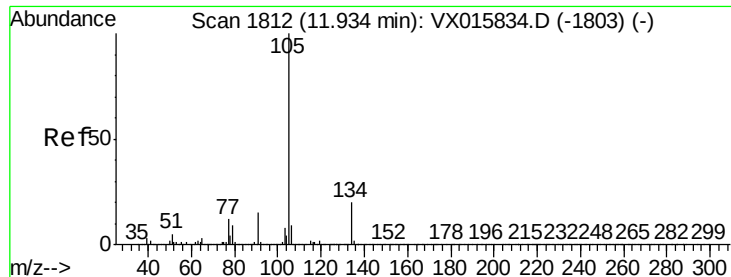
Delta R.T. 0.00 min

Lab File: VX015892.D

Acq: 23 Apr 2020 15:53

Tgt Ion:	105	Resp:	26838
Ion Ratio	Lower	Upper	
105	100		
120	42.9	22.9	68.7





#85

sec-Butylbenzene

Concen: 8.135 ug/l

RT: 11.93 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VX015892.D

Acq: 23 Apr 2020 15:53

Instrument :

MSVOA_X

ClientSampleId :

KY001MW078-200421-FD

Tot Ion: 105 Resp: 373665

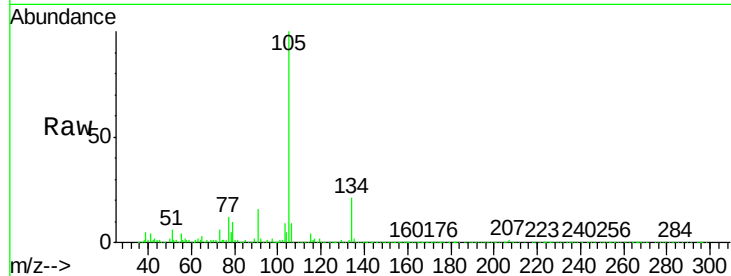
Ion Ratio Lower Upper

105 100

134 17.5 10.3 30.8

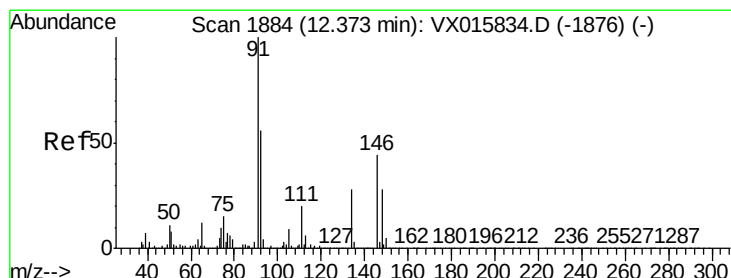
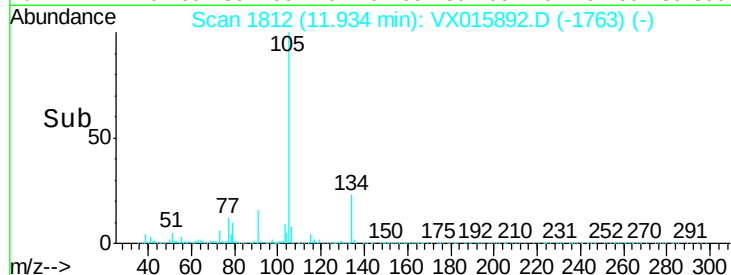
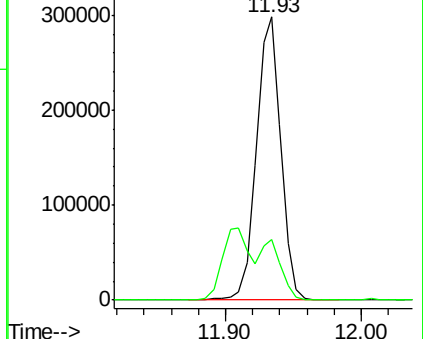
Manual Integrations
APPROVED

MMDadoda
4/24/2020 11:34:38 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 9.158 ug/l m

RT: 12.37 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX015892.D

Acq: 23 Apr 2020 15:53

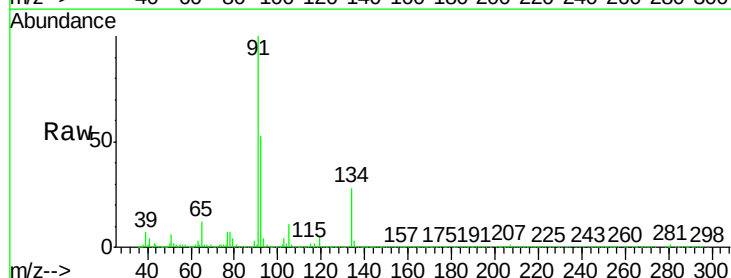
Tgt Ion: 91 Resp: 351648

Ion Ratio Lower Upper

91 100

92 59.8 27.7 83.1

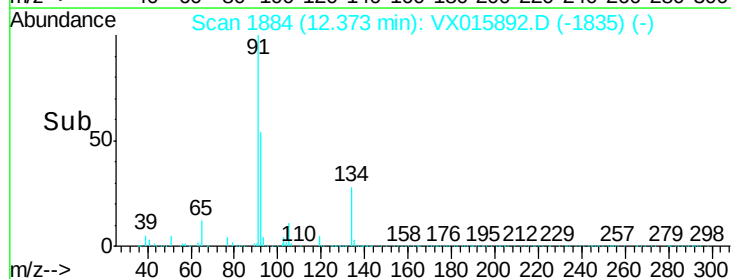
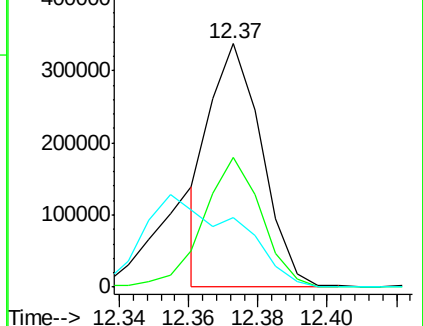
134 68.8 14.1 42.4#

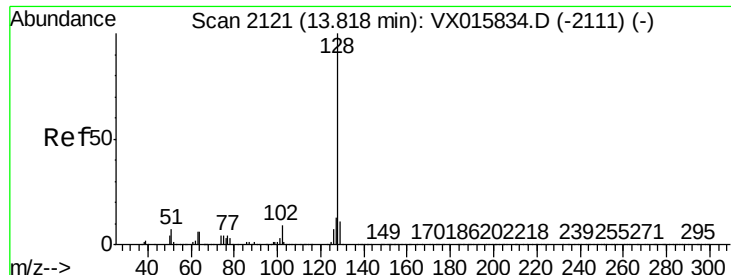


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#95
Naphthalene
Concen: 15.019 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. 0.00 min
Lab File: VX015892.D
Acq: 23 Apr 2020 15:53

Instrument :
MSVOA_X
ClientSampleId :
KY001MW078-200421-FD

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	13.6	10.5	15.7
129	12.7	8.5	12.7#

Manual Integrations
APPROVED

MMDadoda
4/24/2020 11:34:38 AM

