

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021820\
 Data File : VL034642.D
 Acq On : 19 Feb 2020 2:56
 Operator : SY/AP
 Sample : L1554-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2DL

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 3:26:42 PM

Quant Time: Feb 21 09:48:21 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30

QLast Update : Thu Jan 30 17:16:44 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1103611	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2439588	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2519310	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2083448	9.79	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

Target Compounds

					Ovalue
9) Propene	2.97	41	37886m	0.730	ppbv
13) Ethanol	3.58	45	104026	7.480	ppbv 96
15) Acetone	3.83	43	259488	1.600	ppbv 95
17) tert-Butyl alcohol	4.29	59	55468	0.465	ppbv # 83
19) Isopropyl Alcohol	3.96	45	25527m	0.270	ppbv
34) 2-Butanone	5.23	43	699231	3.947	ppbv 99
53) Toluene	9.83	91	269247	1.130	ppbv 99
58) Ethyl Benzene	12.73	91	328760	0.975	ppbv 98
59) m/p-Xylene	13.00	91	402031m	1.349	ppbv
60) o-Xylene	13.72	91	143203m	0.478	ppbv
61) Styrene	13.55	104	2635674	13.208	ppbv 97
62) Isopropylbenzene	14.70	105	4520904	11.657	ppbv 99

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

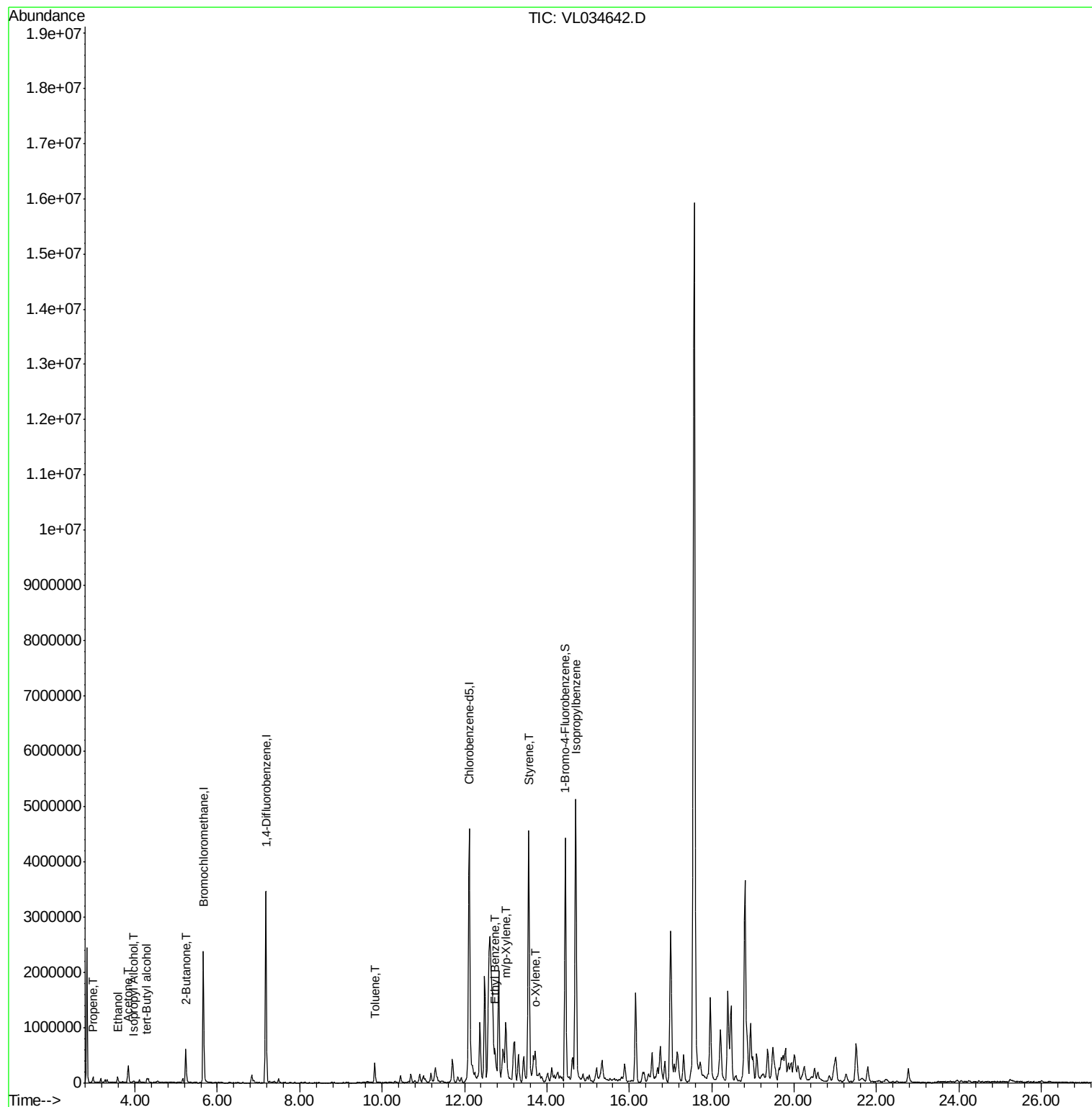
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL021820\
Data File : VL034642.D
Acq On : 19 Feb 2020 2:56
Operator : SY/AP
Sample : L1554-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

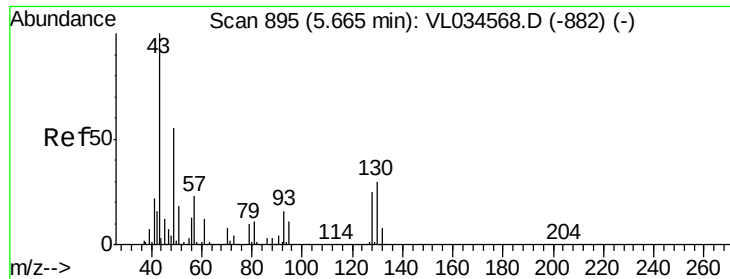
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL

Manual Integrations
APPROVED

MMDadoda
2/21/2020 3:26:42 PM

Quant Time: Feb 21 09:48:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration





#1

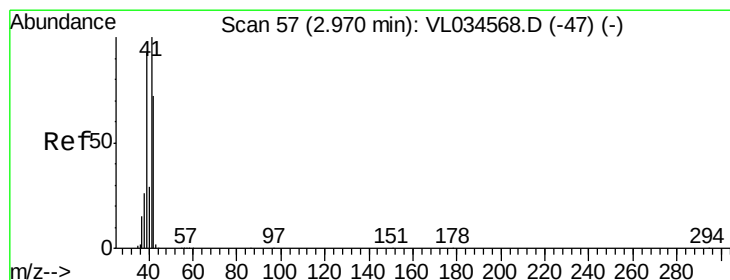
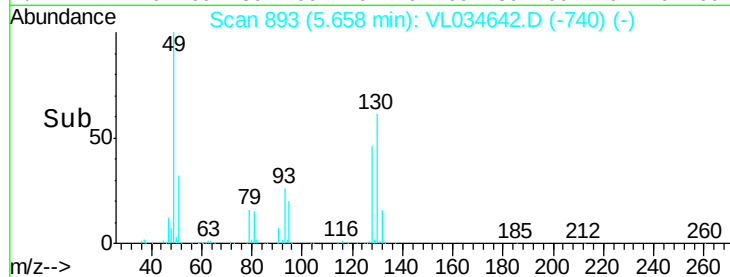
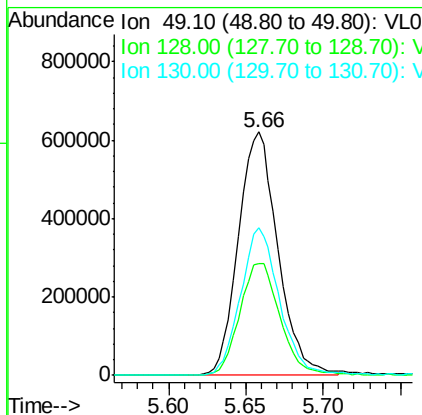
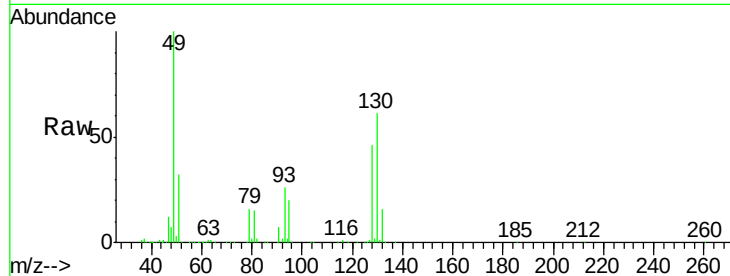
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 893
 Delta R.T. -0.01 min
 Lab File: VL034642.D
 Acq: 19 Feb 2020 2:56

Instrument :
 MSVOA_L
 ClientSampled :
 SS-2DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	47.7	22.7	68.1
130	60.9	28.6	85.8

Manual Integrations
 APPROVED

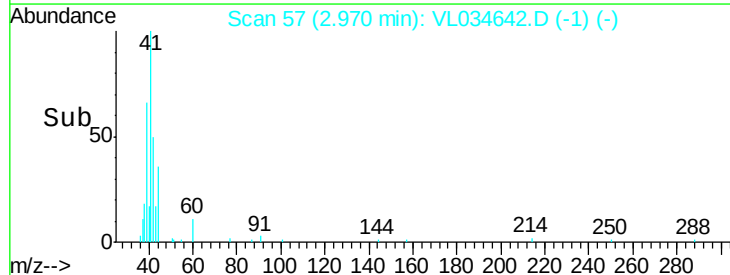
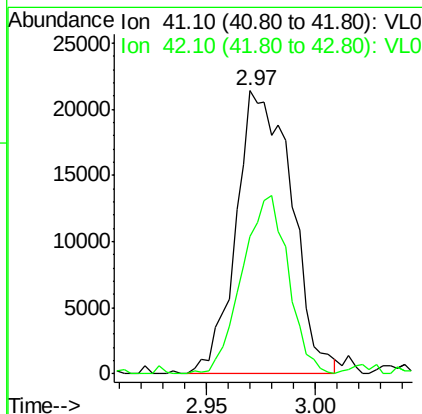
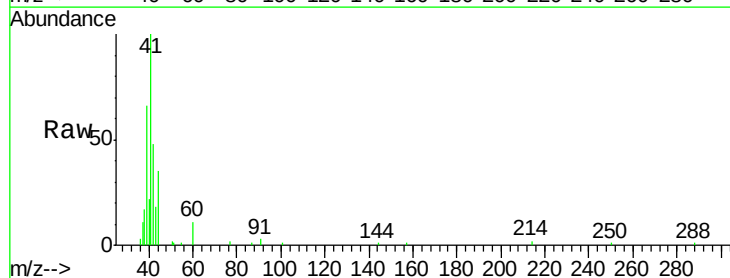
MMDadoda
 2/21/2020 3:26:42 PM

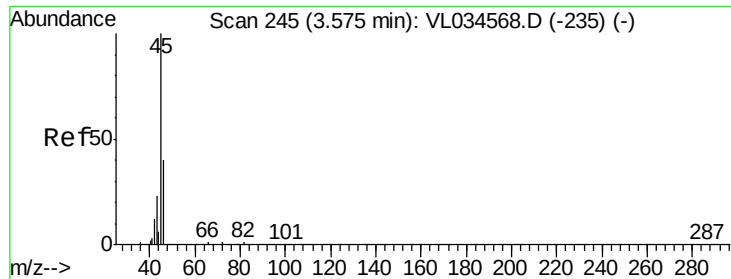


#9

Propene
 Concen: 0.730 ppbv m
 RT: 2.97 min Scan# 57
 Delta R.T. -0.00 min
 Lab File: VL034642.D
 Acq: 19 Feb 2020 2:56

Tgt Ion	Ratio	Lower	Upper
41	100		
42	3.1	57.0	85.4#





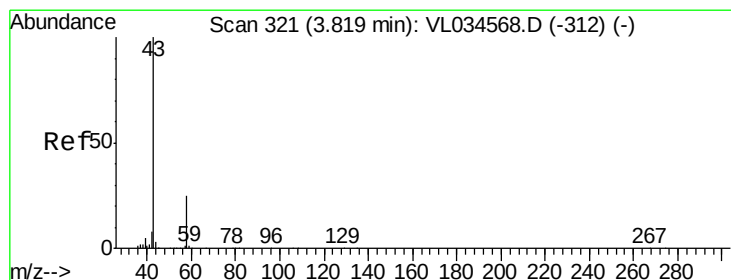
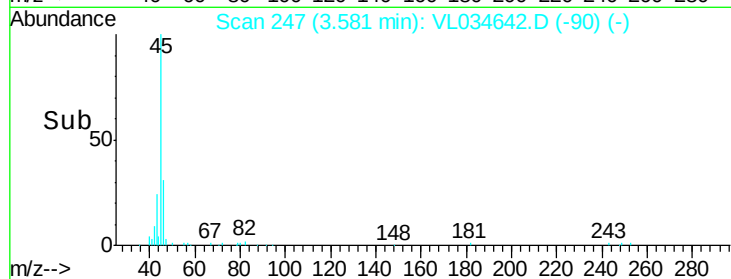
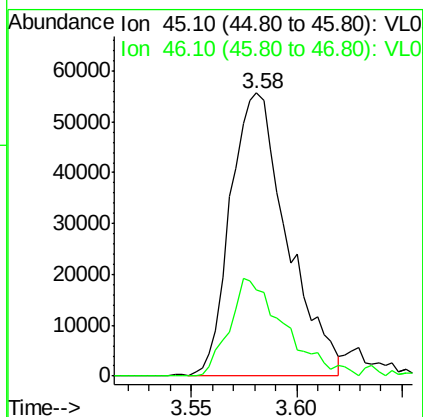
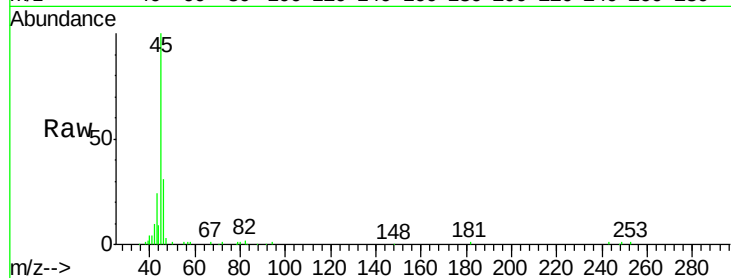
#13
Ethanol
Concen: 7.480 ppbv
RT: 3.58 min Scan# 247
Delta R.T. 0.01 min
Lab File: VL034642.D
Acq: 19 Feb 2020 2:56

Instrument :
MSVOA_L
ClientSampled :
SS-2DL

Tot Ion	45	Resp	104026
Ion Ratio	100	Lower	Upper
46	34.6	14.8	59.2

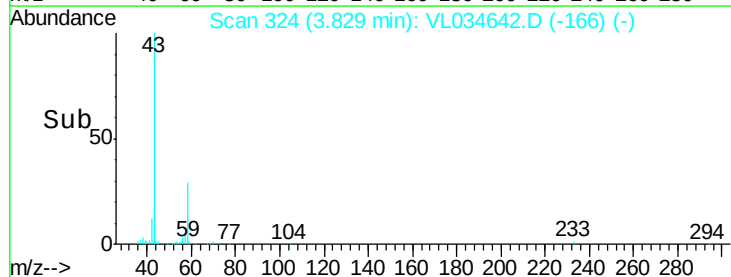
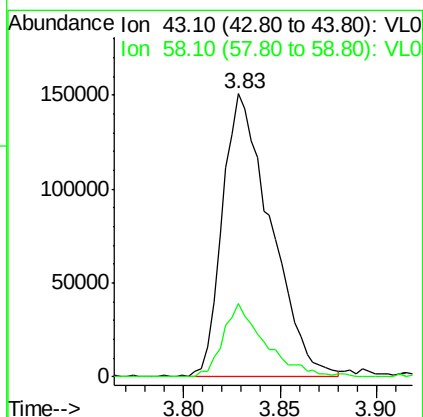
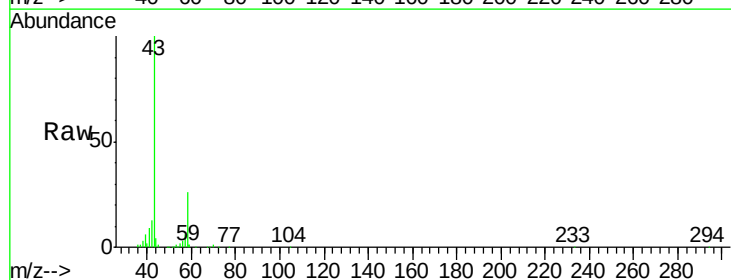
Manual Integrations
APPROVED

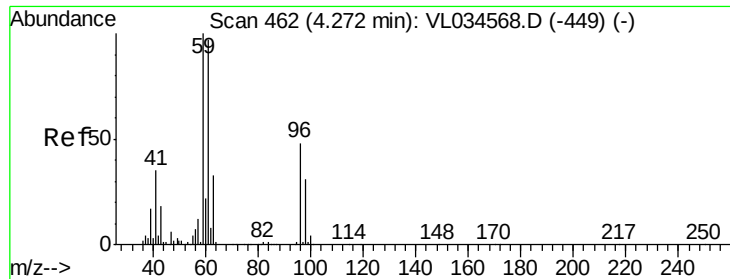
MMDadoda
2/21/2020 3:26:42 PM



#15
Acetone
Concen: 1.600 ppbv
RT: 3.83 min Scan# 324
Delta R.T. 0.01 min
Lab File: VL034642.D
Acq: 19 Feb 2020 2:56

Tgt Ion	43	Resp	259488
Ion Ratio	100	Lower	Upper
58	22.8	20.3	30.5





#17

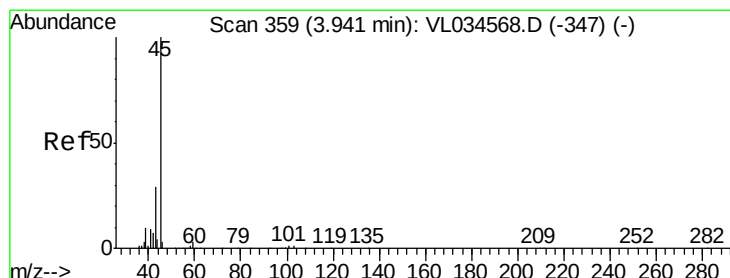
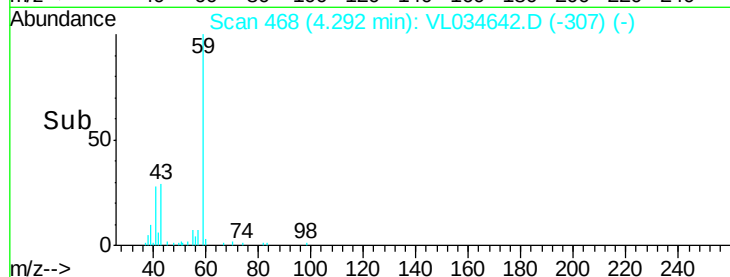
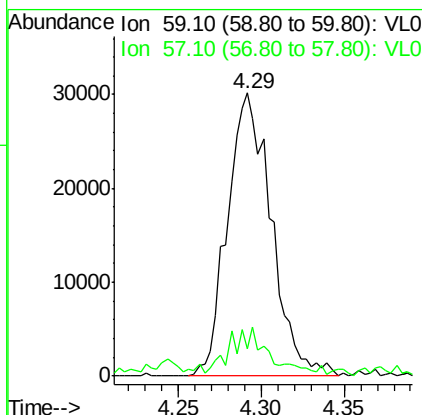
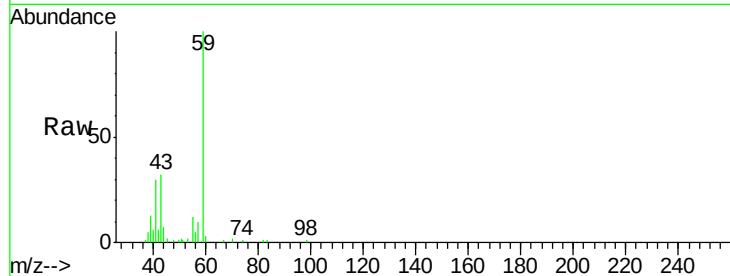
tert-Butyl alcohol
Concen: 0.465 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.02 min
Lab File: VL034642.D
Acq: 19 Feb 2020 2:56

Instrument :
MSVOA_L
ClientSampled :
SS-2DL

Tot Ion	59	Resp	55468
Ion Ratio	100	Lower	Upper
57	17.2	8.7	13.1#

Manual Integrations
APPROVED

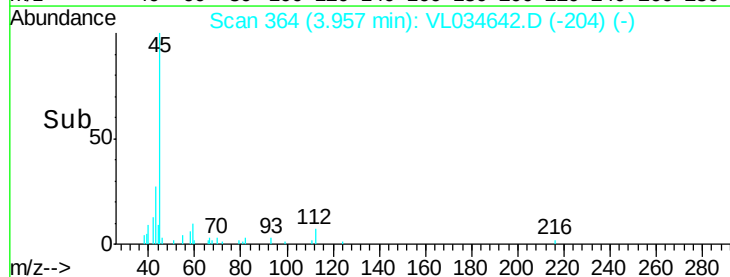
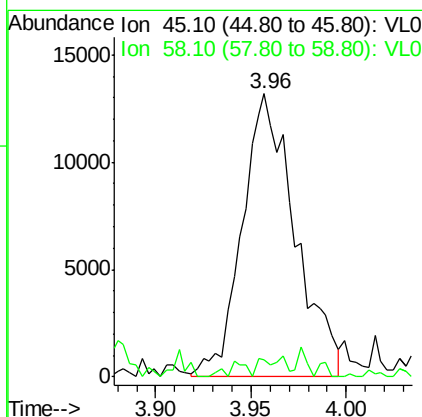
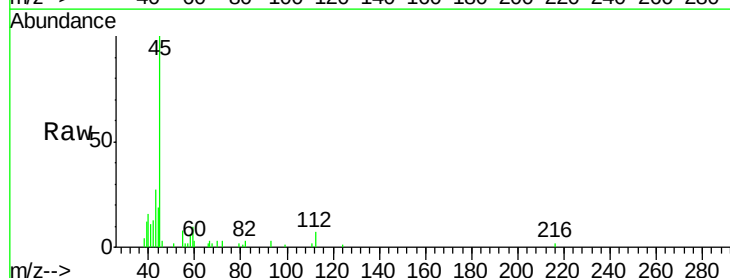
MMDadoda
2/21/2020 3:26:42 PM

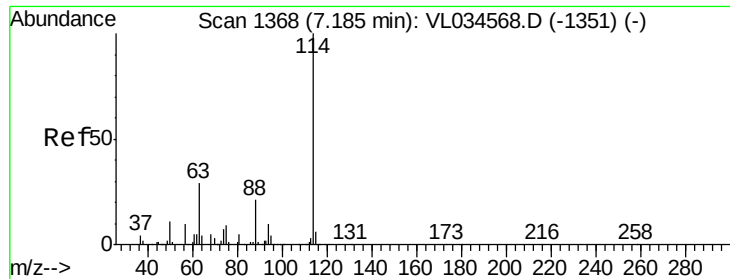


#19

Isopropyl Alcohol
Concen: 0.270 ppbv m
RT: 3.96 min Scan# 364
Delta R.T. 0.02 min
Lab File: VL034642.D
Acq: 19 Feb 2020 2:56

Tgt Ion	45	Resp	25527
Ion Ratio	100	Lower	Upper
58	0.0	1.7	2.5#





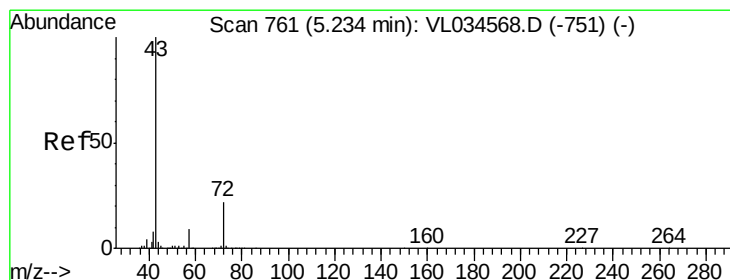
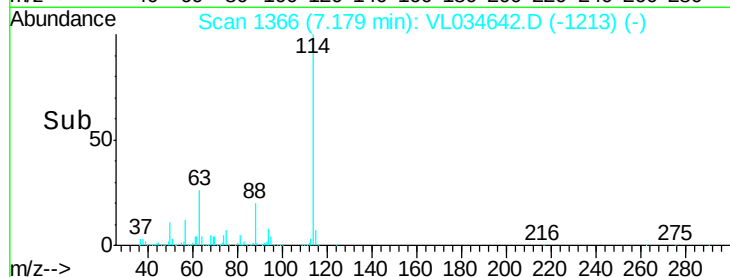
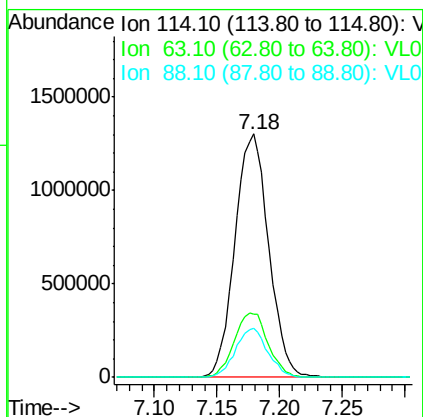
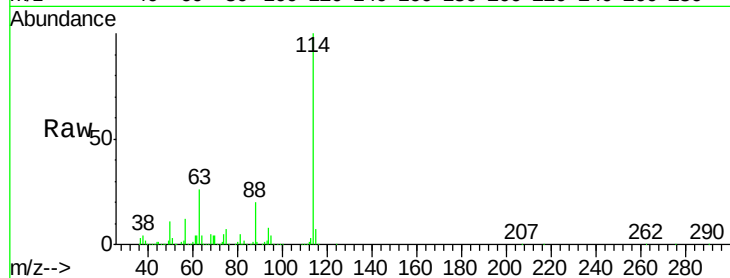
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: VL034642.D
 Acq: 19 Feb 2020 2:56

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.6	24.1	36.1
88	19.3	15.9	23.9

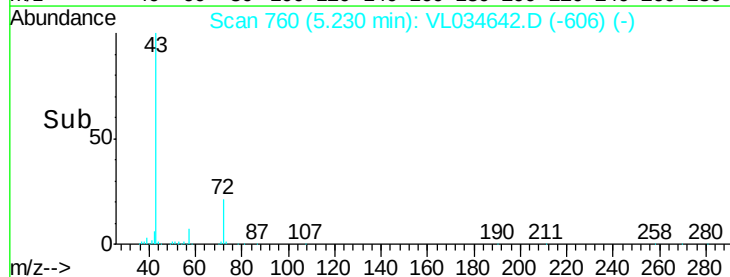
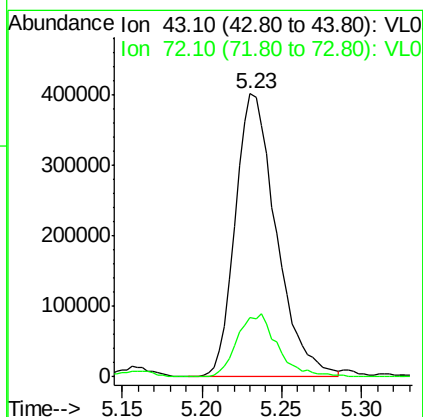
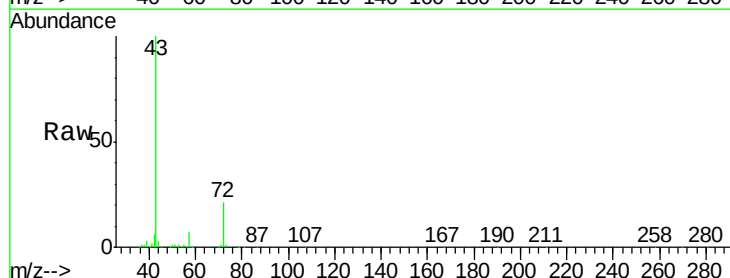
Manual Integrations
 APPROVED

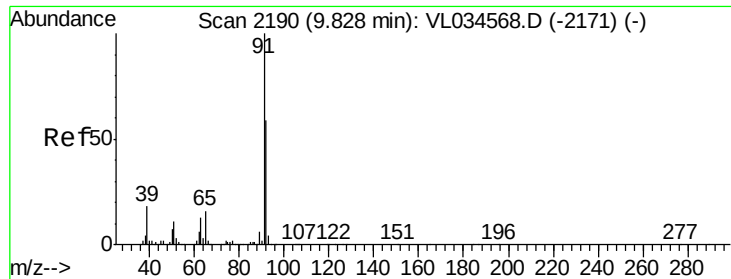
MMDadoda
 2/21/2020 3:26:42 PM



#34
 2-Butanone
 Concen: 3.947 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.00 min
 Lab File: VL034642.D
 Acq: 19 Feb 2020 2:56

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.9	17.2	25.8





#53

Toluene

Concen: 1.130 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. -0.00 min

Lab File: VL034642.D

Acq: 19 Feb 2020 2:56

Instrument :

MSVOA_L

ClientSampleId :

SS-2DL

Tot Ion: 91 Resp: 269247

Ion Ratio Lower Upper

91 100

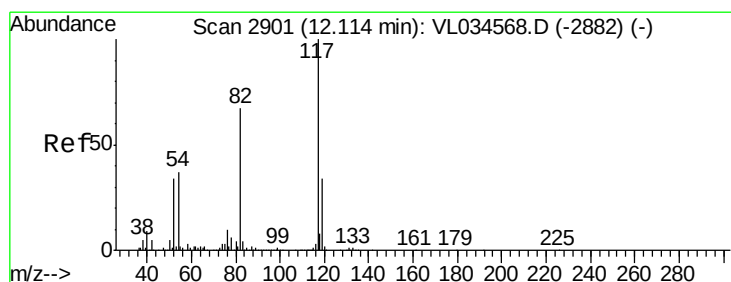
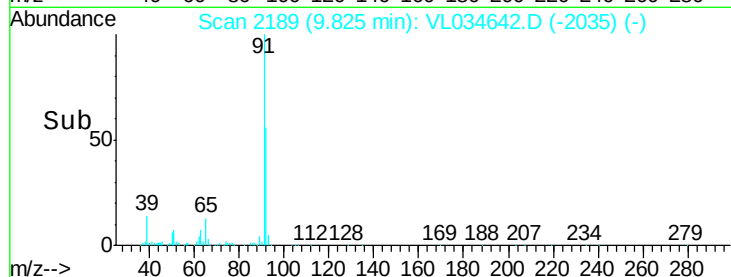
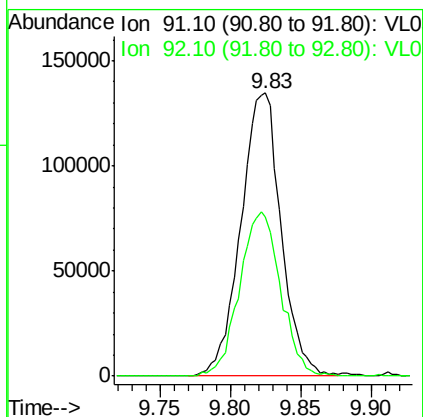
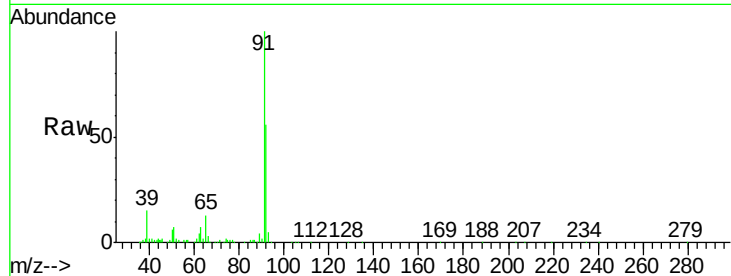
92 59.2 48.2 72.2

Manual Integrations

APPROVED

MMDadoda

2/21/2020 3:26:42 PM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.01 min

Lab File: VL034642.D

Acq: 19 Feb 2020 2:56

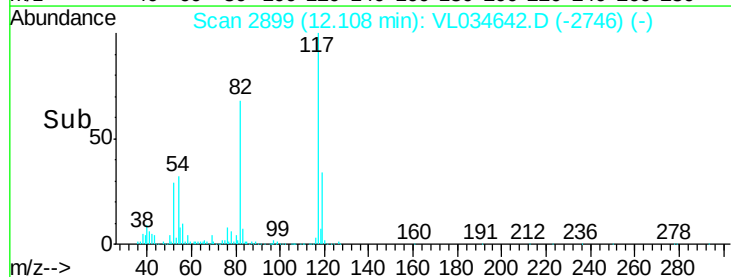
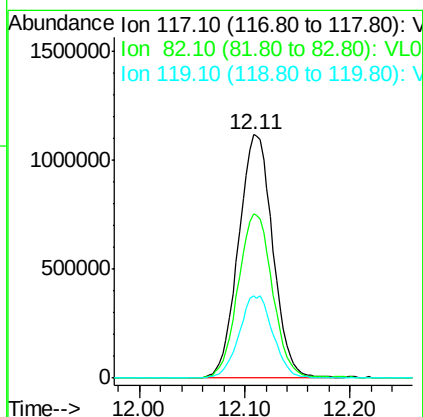
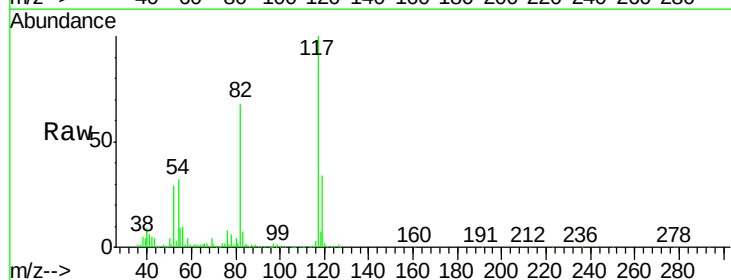
Tgt Ion: 117 Resp: 2519310

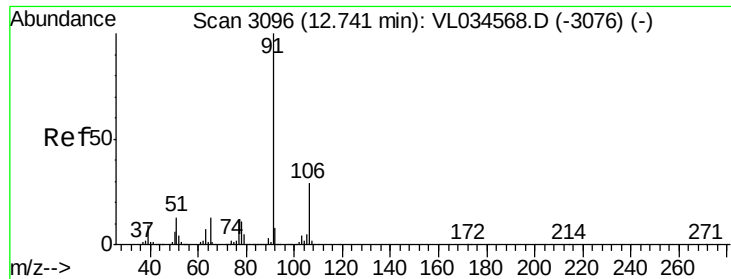
Ion Ratio Lower Upper

117 100

82 68.6 54.2 81.4

119 33.6 26.1 39.1





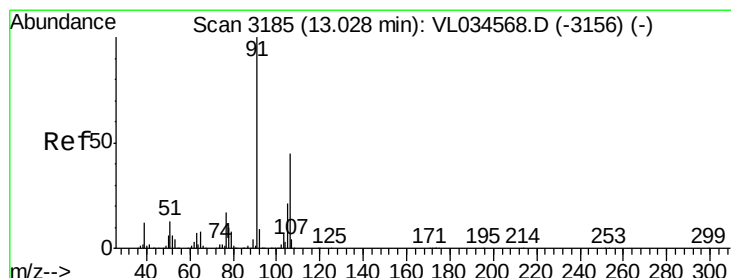
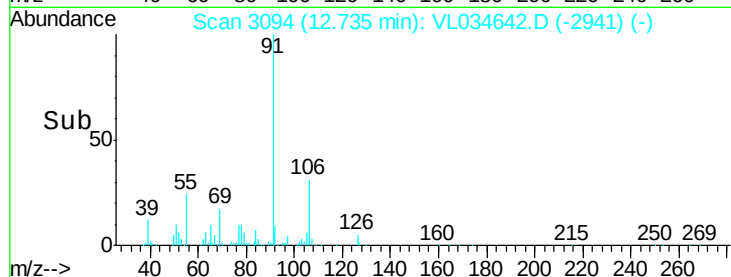
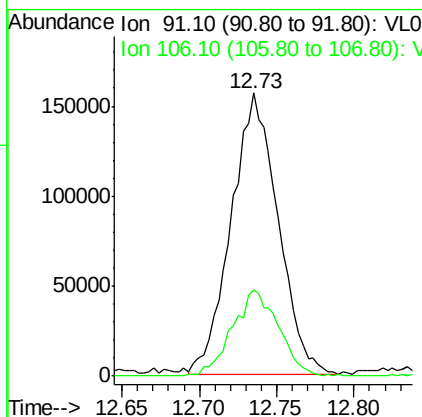
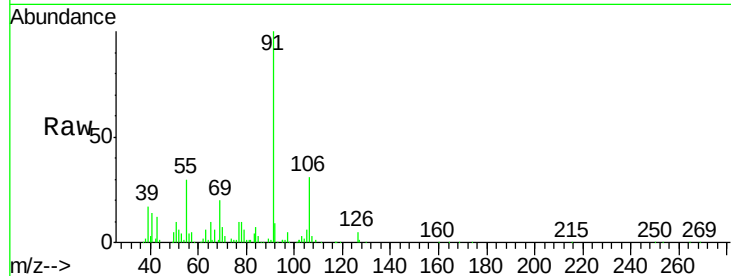
#58
Ethyl Benzene
Concen: 0.975 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. -0.01 min
Lab File: VL034642.D
Acq: 19 Feb 2020 2:56

Instrument :
MSVOA_L
ClientSampled :
SS-2DL

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.3	34.9

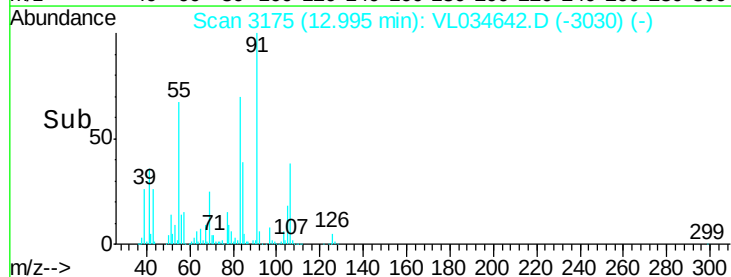
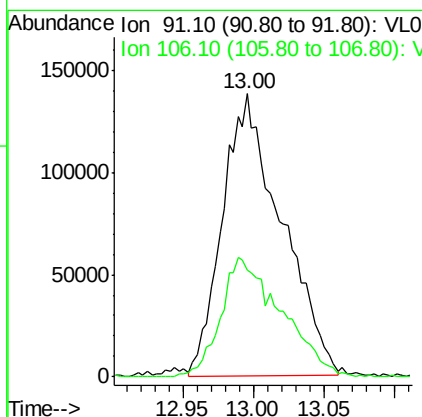
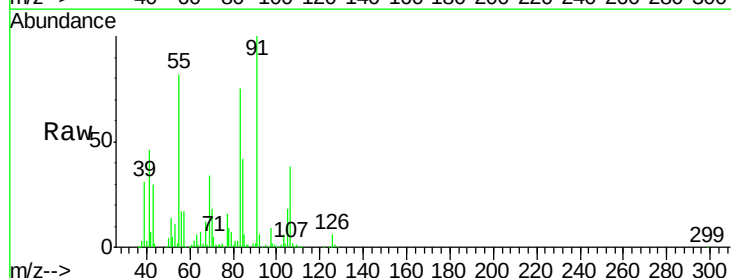
Manual Integrations
APPROVED

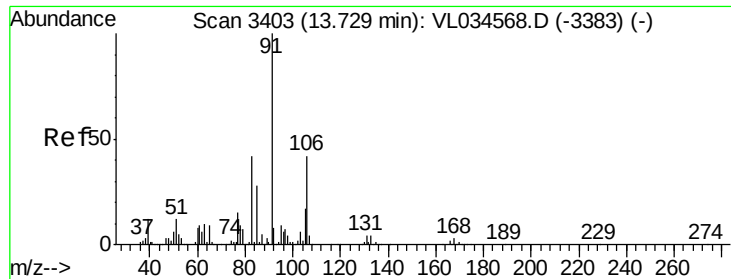
MMDadoda
2/21/2020 3:26:42 PM



#59
m/p-Xylene
Concen: 1.349 ppbv m
RT: 13.00 min Scan# 3175
Delta R.T. -0.03 min
Lab File: VL034642.D
Acq: 19 Feb 2020 2:56

Tgt Ion	Ratio	Lower	Upper
91	100		
106	43.7	35.3	52.9





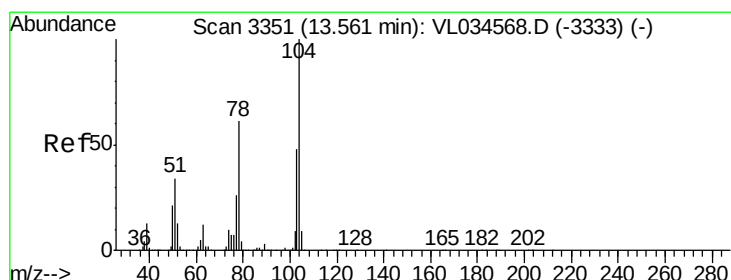
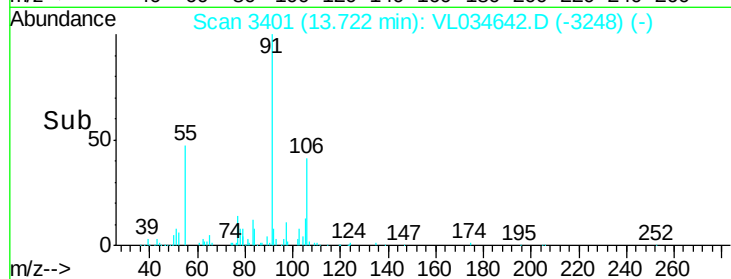
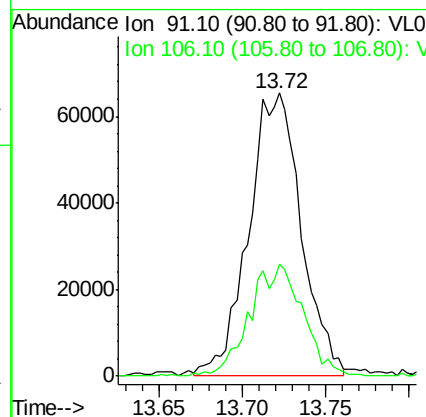
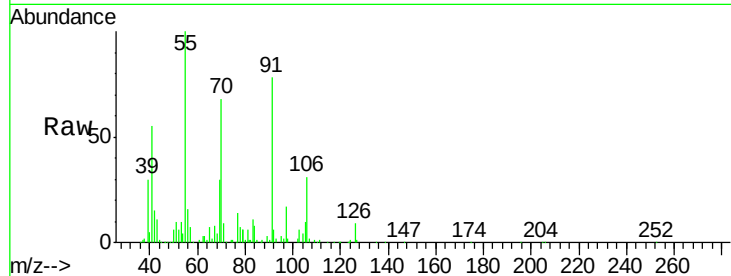
#60
o-Xylene
Concen: 0.478 ppbv m
RT: 13.72 min Scan# 3401
Delta R.T. -0.01 min
Lab File: VL034642.D
Acq: 19 Feb 2020 2:56

Instrument :
MSVOA_L
ClientSampled :
SS-2DL

Tot Ion: 91 Resp: 143203
Ion Ratio Lower Upper
91 100
106 40.4 21.6 65.0

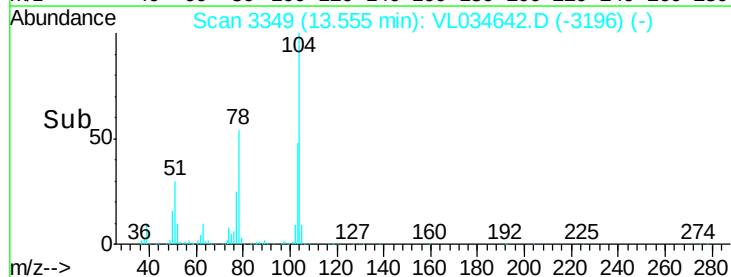
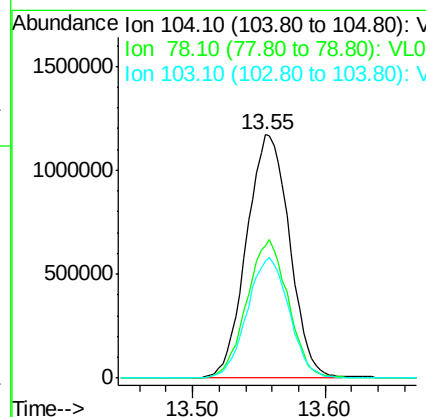
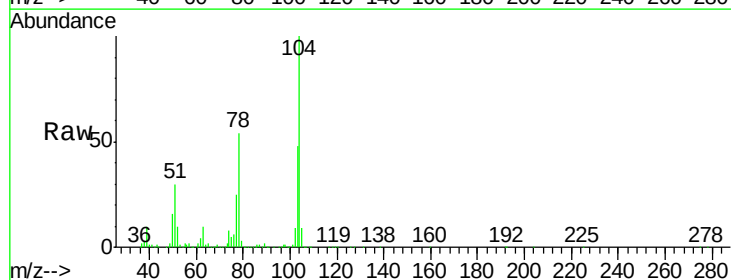
Manual Integrations
APPROVED

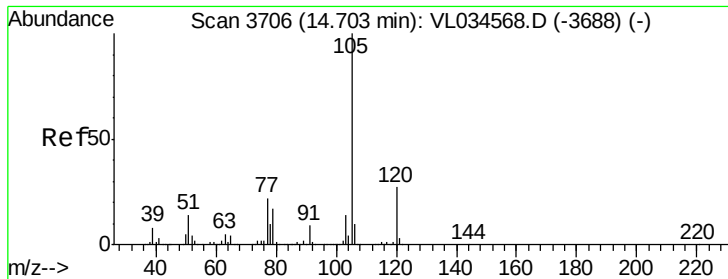
MMDadoda
2/21/2020 3:26:42 PM



#61
Styrene
Concen: 13.208 ppbv
RT: 13.55 min Scan# 3349
Delta R.T. -0.01 min
Lab File: VL034642.D
Acq: 19 Feb 2020 2:56

Tgt Ion: 104 Resp: 2635674
Ion Ratio Lower Upper
104 100
78 55.1 47.0 70.6
103 48.5 38.5 57.7





#62

Isopropylbenzene

Concen: 11.657 ppbv

RT: 14.70 min Scan# 3705

Delta R.T. -0.00 min

Lab File: VL034642.D

Acq: 19 Feb 2020 2:56

Instrument :

MSVOA_L

ClientSampled :

SS-2DL

Tot Ion: 105 Resp: 4520904

Ion Ratio Lower Upper

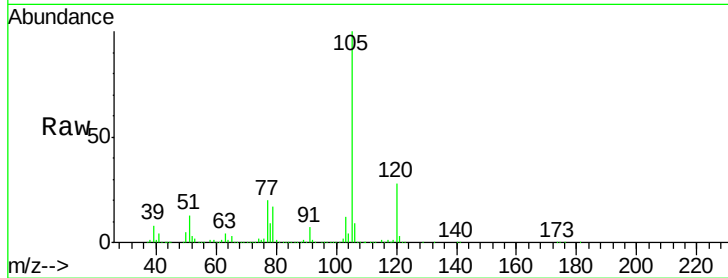
105 100

120 26.3 20.7 31.1

Manual Integrations
APPROVED

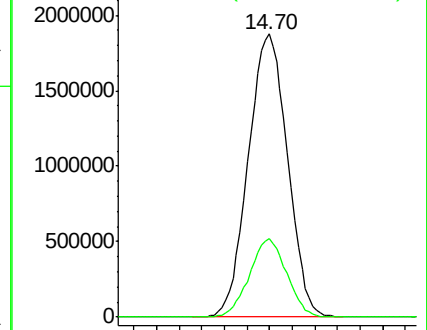
MMDadoda

2/21/2020 3:26:42 PM

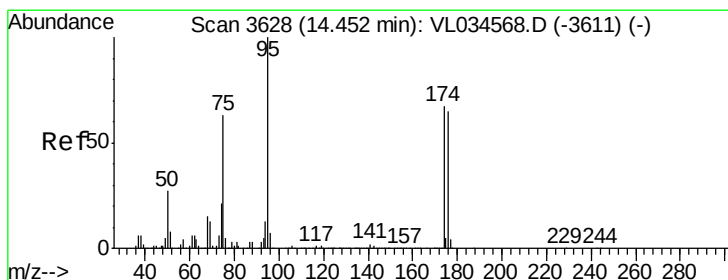
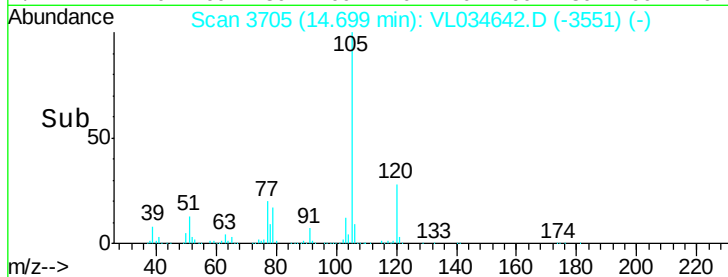


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.785 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. -0.01 min

Lab File: VL034642.D

Acq: 19 Feb 2020 2:56

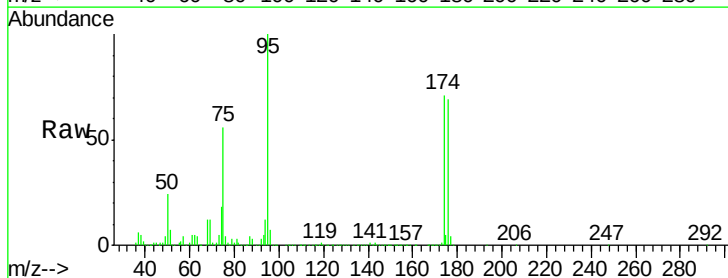
Tgt Ion: 95 Resp: 2083448

Ion Ratio Lower Upper

95 100

174 70.1 52.3 78.5

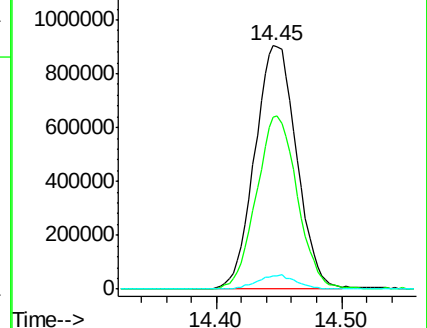
175 5.3 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



Time-->

