

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\
 Data File : VL036618.D
 Acq On : 1 Apr 2021 2:09
 Operator : SY/AP
 Sample : M1841-04DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-1DL

Manual Integrations
 APPROVED

MMDadoda
 4/2/2021 6:54:08 PM

Quant Time: Apr 02 15:47:16 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1560166	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	3788955	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.11	117	3392097	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2655378	9.82	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	32662	0.351	ppbv	87
13) Ethanol	3.62	45	469569	42.433	ppbv	99
15) Acetone	3.86	43	3566240	23.224	ppbv	97
17) tert-Butyl alcohol	4.32	59	164174m	1.228	ppbv	
19) Isopropyl Alcohol	3.98	45	1244290	14.730	ppbv #	1
34) 2-Butanone	5.26	43	306576	1.658	ppbv	93
53) Toluene	9.83	91	209717	0.564	ppbv	100
58) Ethyl Benzene	12.74	91	112083m	0.227	ppbv	
59) m/p-Xylene	12.99	91	434880	1.010	ppbv	96
60) o-Xylene	13.72	91	204504	0.491	ppbv	100
72) 4-Ethyltoluene	15.87	105	55585	0.122	ppbv #	82
73) 1,3,5-Trimethylbenzene	16.02	105	63489m	0.149	ppbv	
74) 1,2,4-Trimethylbenzene	16.79	105	189854	0.417	ppbv #	69

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

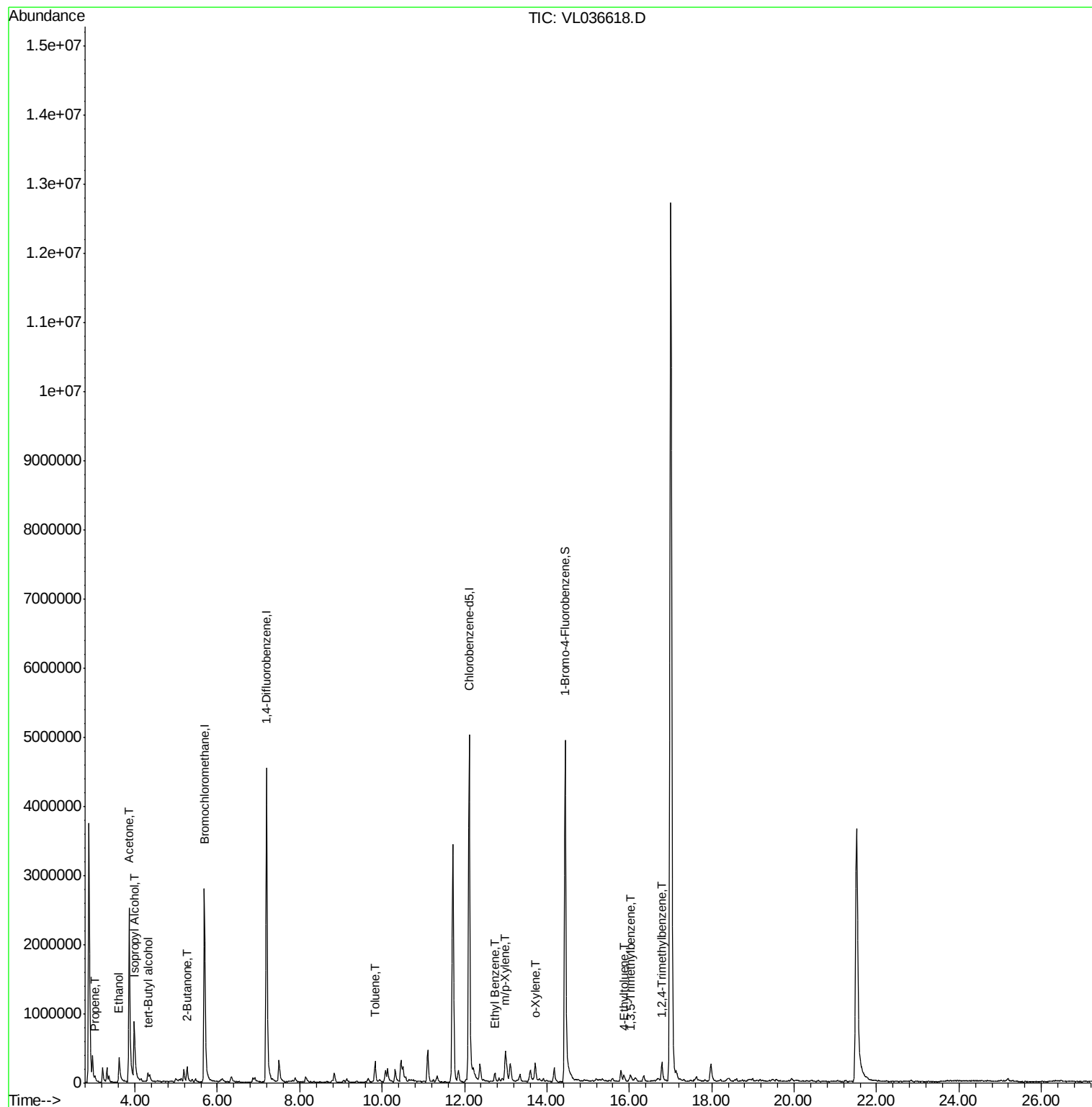
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL033121\
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4/2/2021 6:54:08 PM

Quant Time: Apr 02 15:47:16 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.01 min

Lab File: VL036618.D

Acq: 1 Apr 2021 2:09

Instrument :

MSVOA_L

ClientSampled :

PBS-SS-1DL

Tot Ion: 49 Resp: 1560166

Ion Ratio Lower Upper

49 100

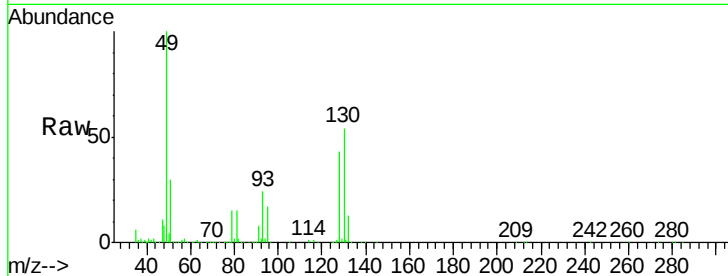
128 46.8 23.5 70.6

130 59.7 29.1 87.4

Manual Integrations
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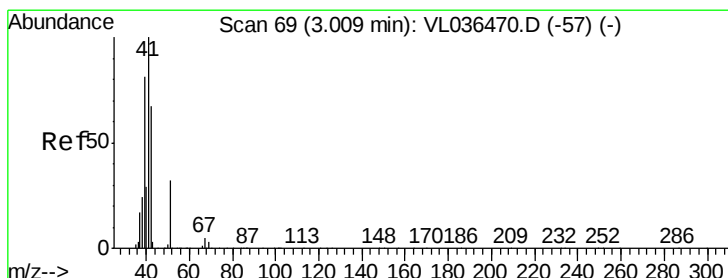
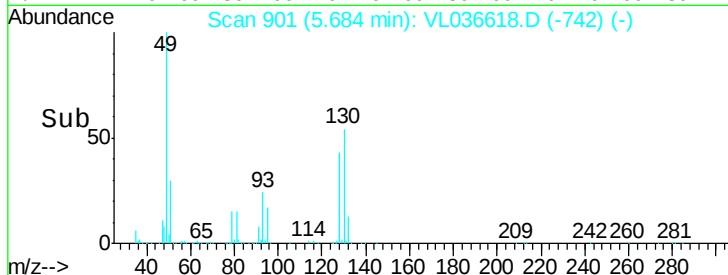
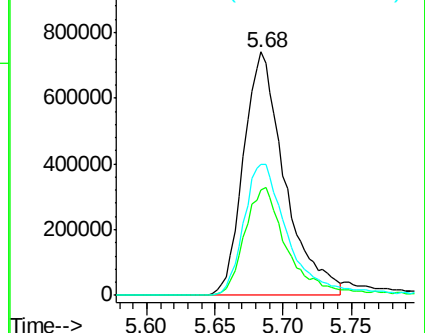
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.351 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.02 min

Lab File: VL036618.D

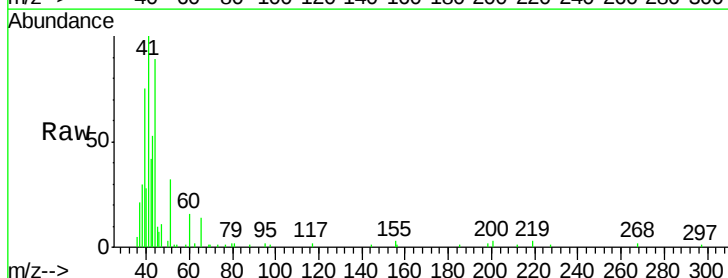
Acq: 1 Apr 2021 2:09

Tgt Ion: 41 Resp: 32662

Ion Ratio Lower Upper

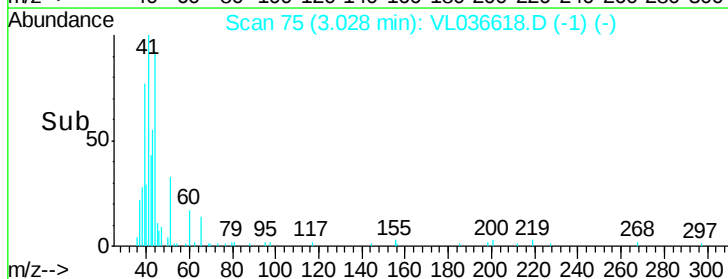
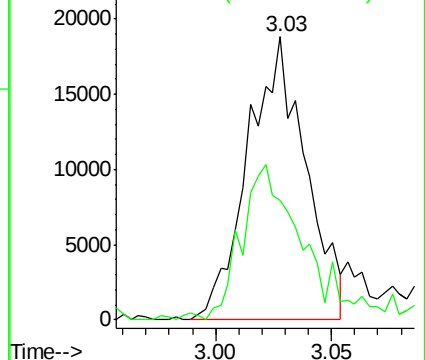
41 100

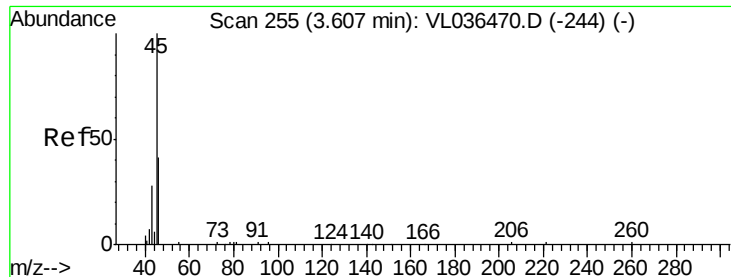
42 60.1 57.0 85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 42.433 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL036618.D

Acq: 1 Apr 2021 2:09

Instrument :

MSVOA_L

ClientSampleId :

PBS-SS-1DL

Tot Ion: 45 Resp: 469569

Ion Ratio Lower Upper

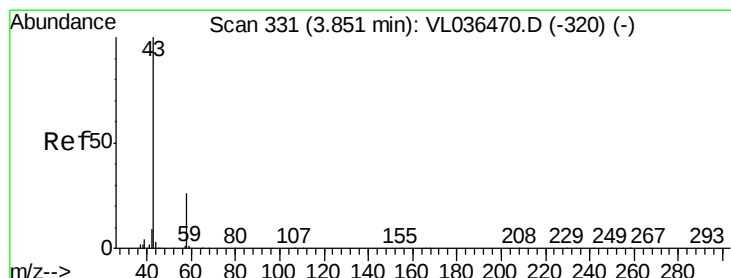
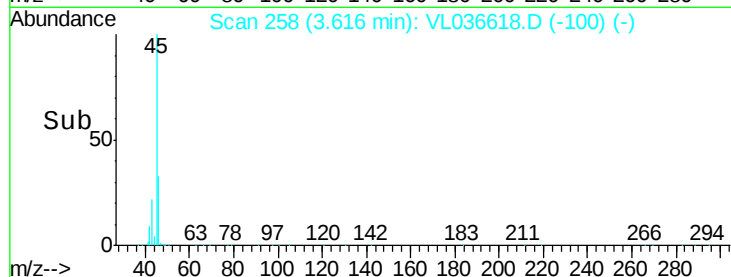
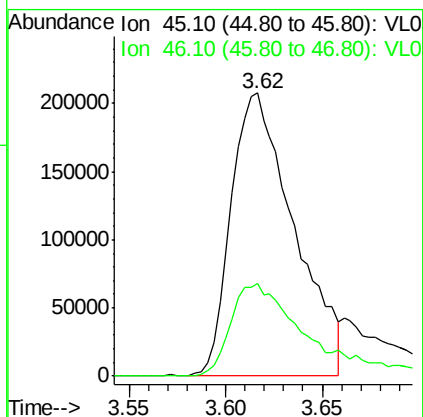
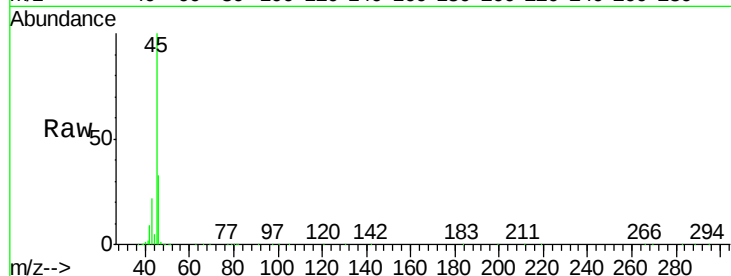
45 100

46 42.1 16.6 66.2

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#15

Acetone

Concen: 23.224 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL036618.D

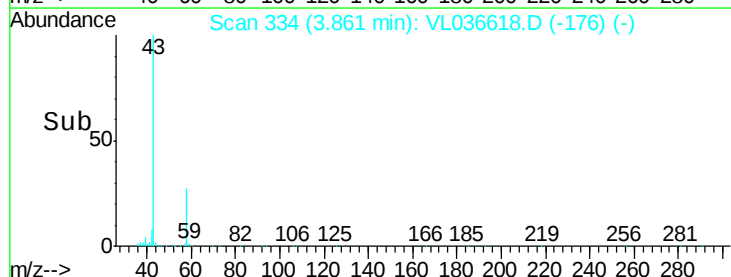
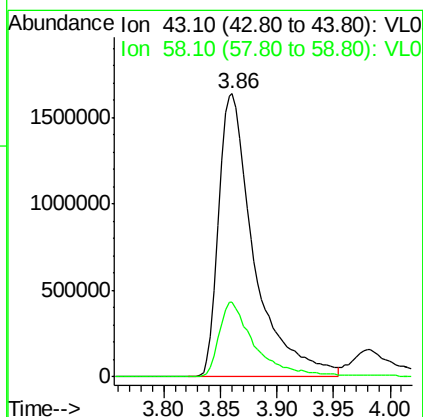
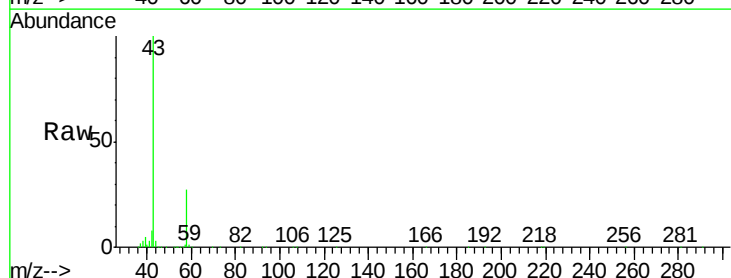
Acq: 1 Apr 2021 2:09

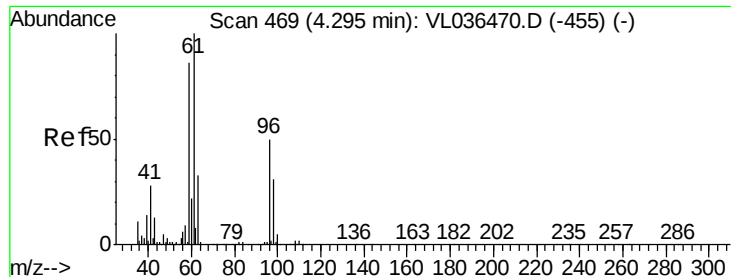
Tgt Ion: 43 Resp: 3566240

Ion Ratio Lower Upper

43 100

58 28.0 21.2 31.8





#17

tert-Butyl alcohol

Concen: 1.228 ppbv

RT: 4.32 min Scan# 476

Delta R.T. 0.02 min

Lab File: VL036618.D

Acq: 1 Apr 2021 2:09

Instrument :

MSVOA_L

ClientSampleId :

PBS-SS-1DL

Tot Ion: 59 Resp: 164174

Ion Ratio Lower Upper

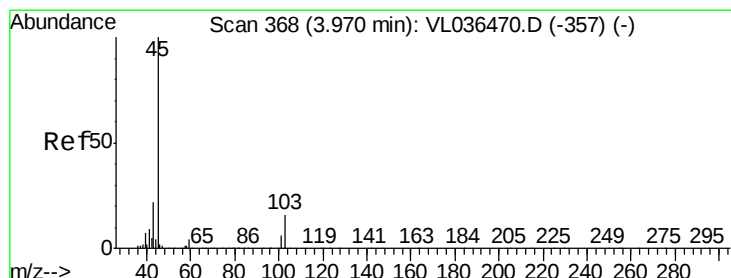
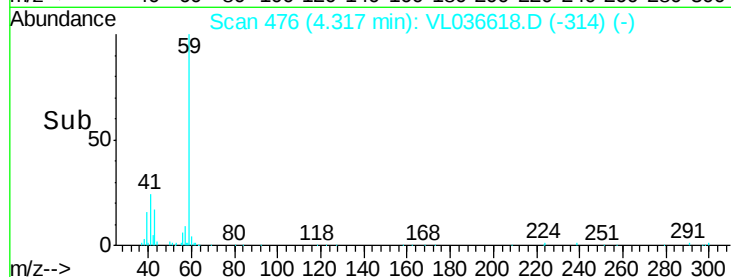
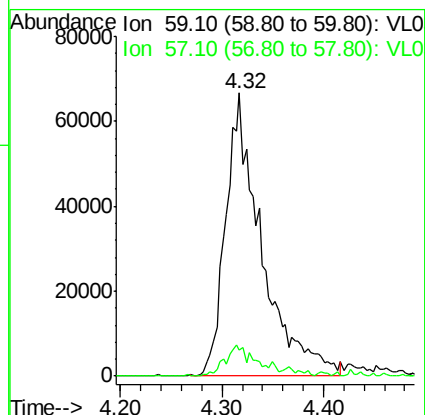
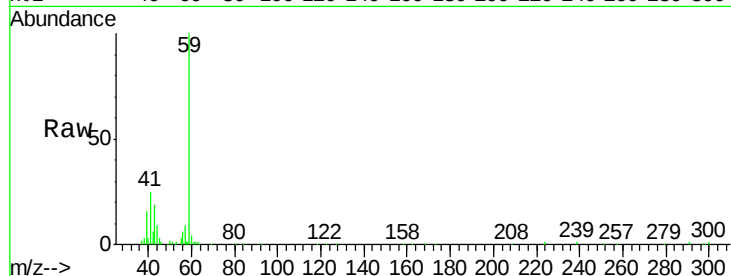
59 100

57 10.8 8.6 12.8

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#19

Isopropyl Alcohol

Concen: 14.730 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.01 min

Lab File: VL036618.D

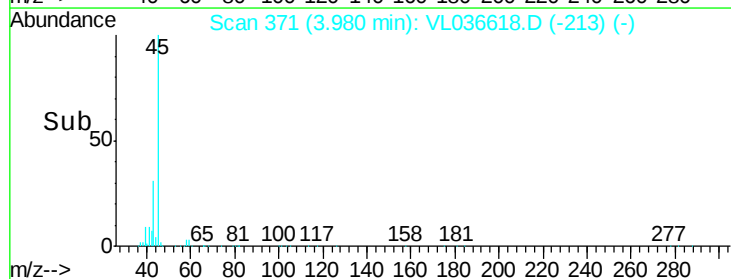
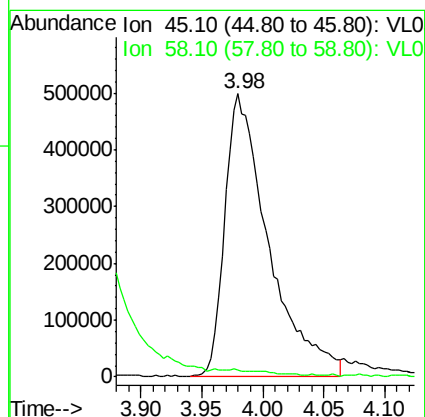
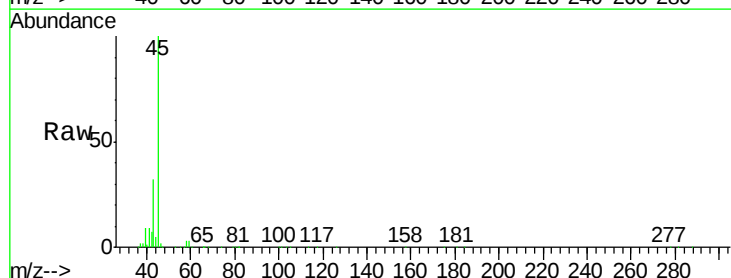
Acq: 1 Apr 2021 2:09

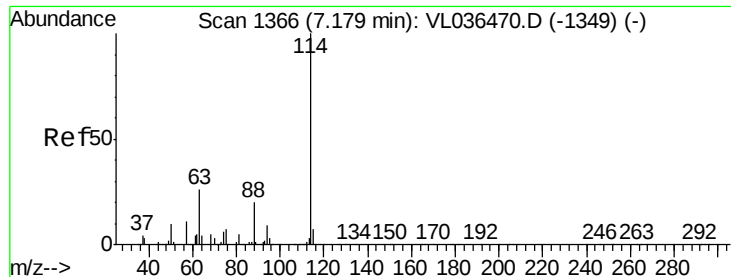
Tgt Ion: 45 Resp: 1244290

Ion Ratio Lower Upper

45 100

58 80.1 2.9 4.3#





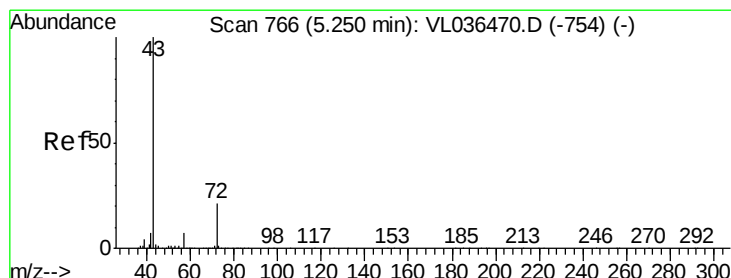
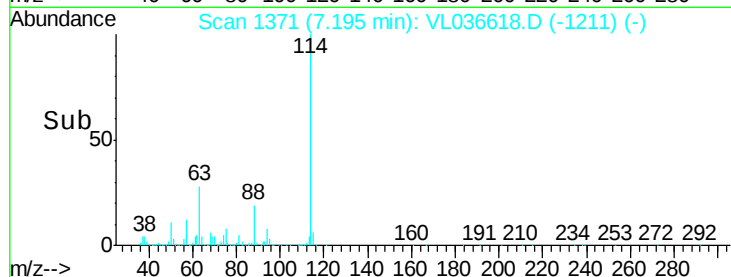
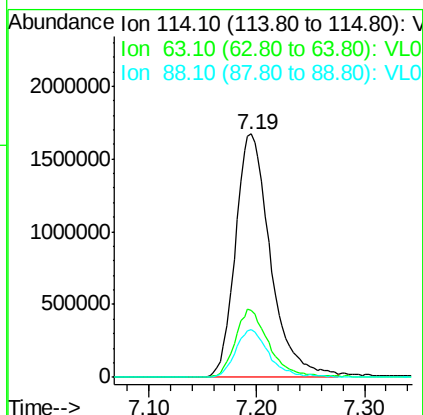
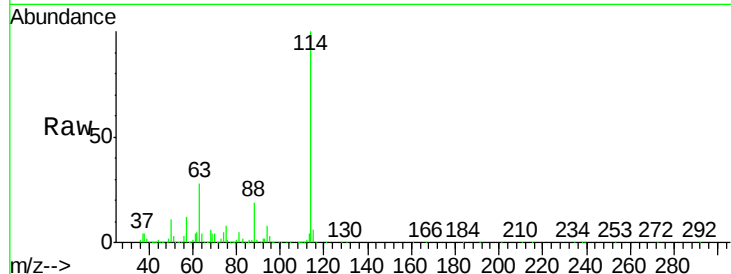
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. 0.02 min
 Lab File: VL036618.D
 Acq: 1 Apr 2021 2:09

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-1DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.4	33.6
88	19.0	15.4	23.0

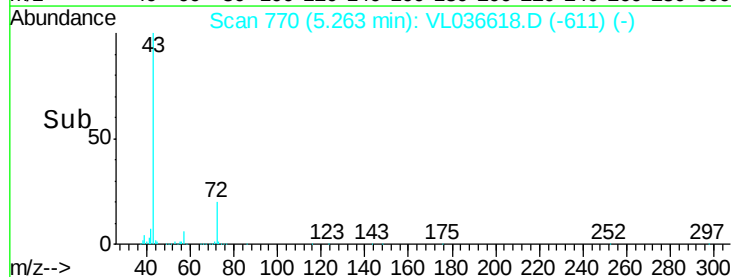
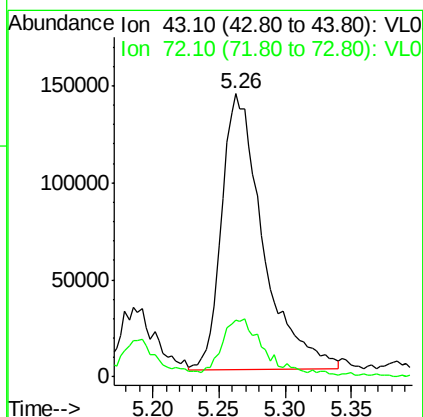
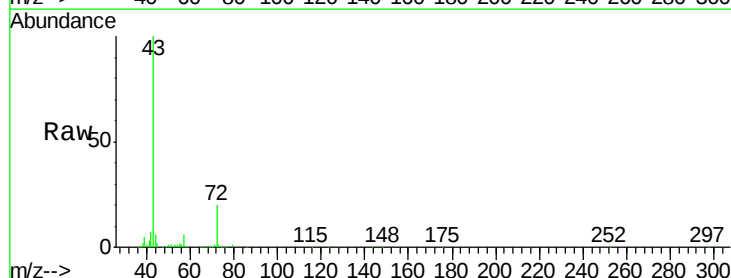
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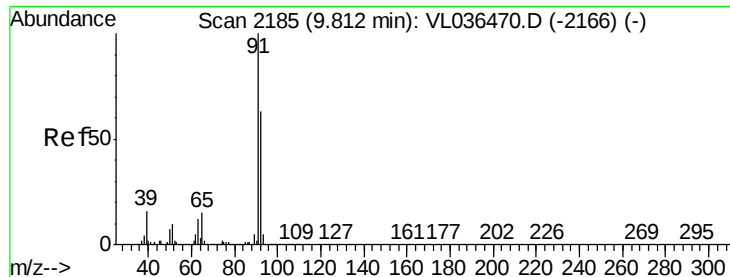
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#34
 2-Butanone
 Concen: 1.658 ppbv
 RT: 5.26 min Scan# 770
 Delta R.T. 0.01 min
 Lab File: VL036618.D
 Acq: 1 Apr 2021 2:09

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.7	17.0	25.6





#53

Toluene

Concen: 0.564 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.02 min

Lab File: VL036618.D

Acq: 1 Apr 2021 2:09

Instrument :

MSVOA_L

ClientSampleId :

PBS-SS-1DL

Tot Ion: 91 Resp: 209717

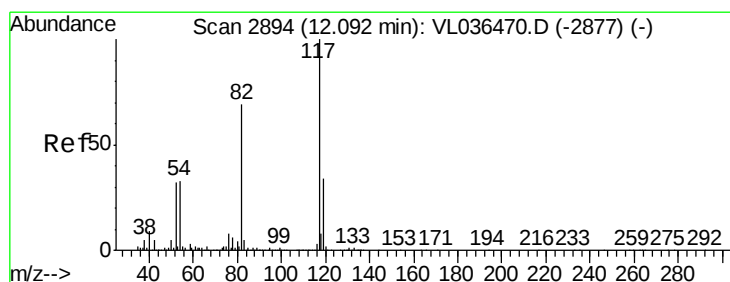
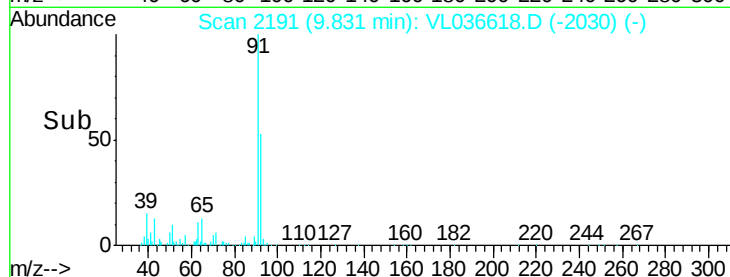
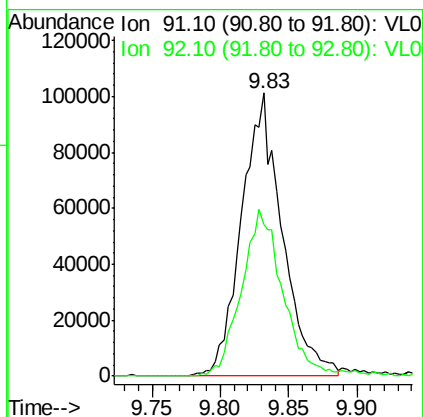
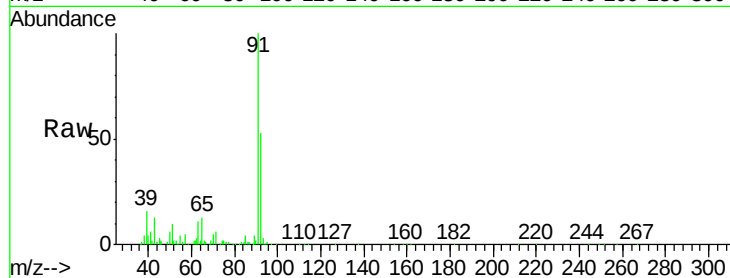
Ion Ratio Lower Upper

91 100

92 61.2 48.8 73.2

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. 0.02 min

Lab File: VL036618.D

Acq: 1 Apr 2021 2:09

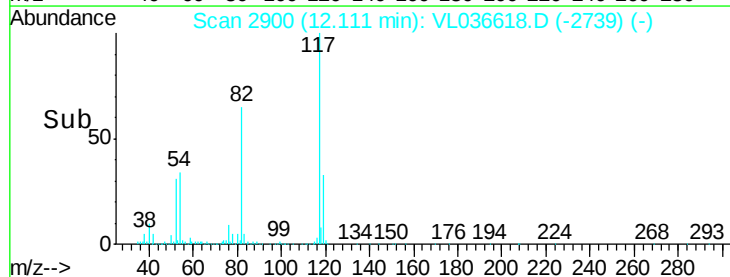
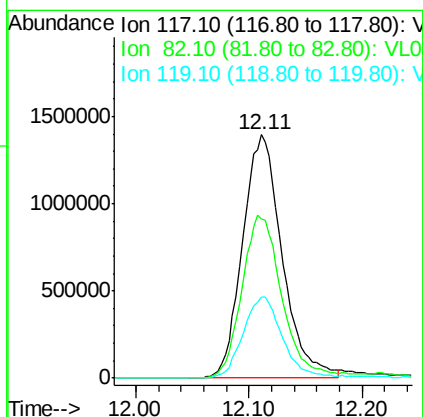
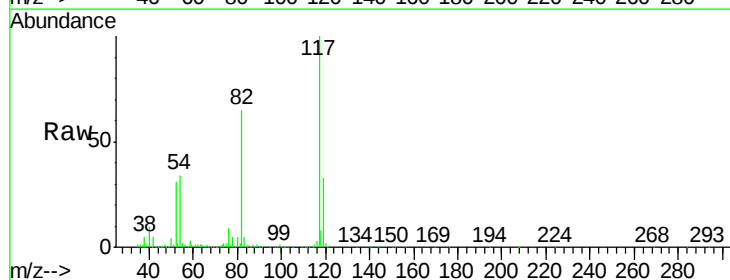
Tgt Ion: 117 Resp: 3392097

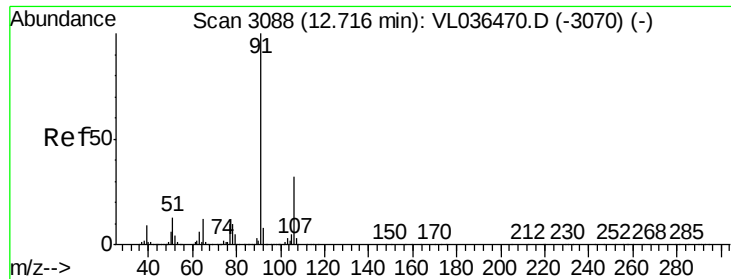
Ion Ratio Lower Upper

117 100

82 68.1 57.4 86.0

119 34.6 47.4 71.0#





#58

Ethyl Benzene

Concen: 0.227 ppbv m

RT: 12.74 min Scan# 3096

Delta R.T. 0.03 min

Lab File: VL036618.D

Acq: 1 Apr 2021 2:09

Instrument :

MSVOA_L

ClientSampleId :

PBS-SS-1DL

Tot Ion: 91 Resp: 112083

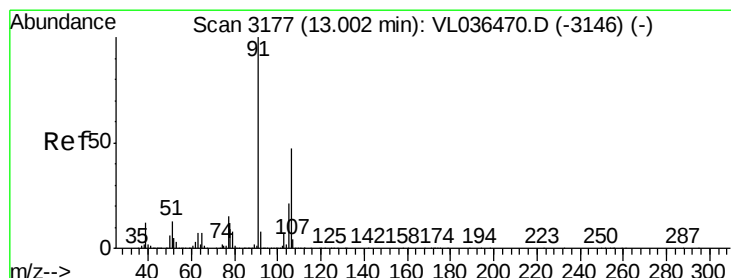
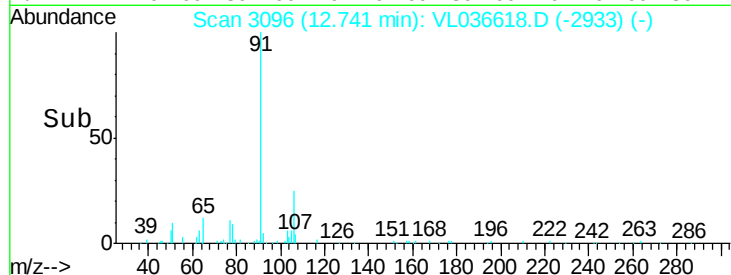
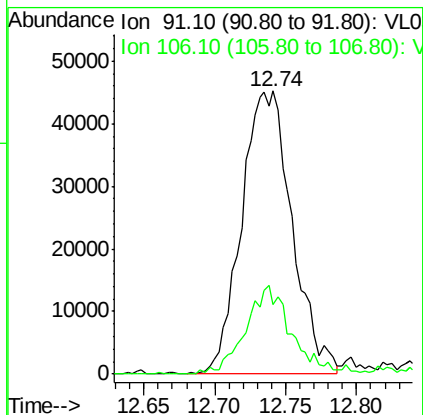
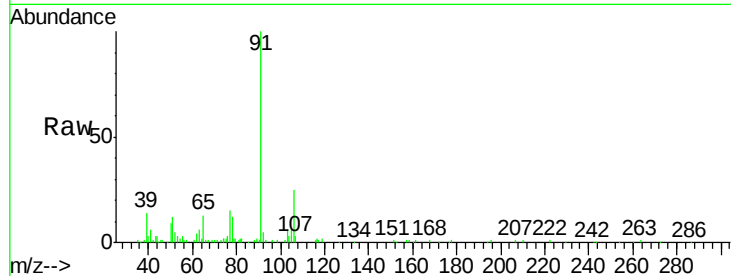
Ion Ratio Lower Upper

91 100

106 24.7 25.3 37.9#

Manual Integrations
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#59

m/p-Xylene

Concen: 1.010 ppbv

RT: 12.99 min Scan# 3174

Delta R.T. -0.01 min

Lab File: VL036618.D

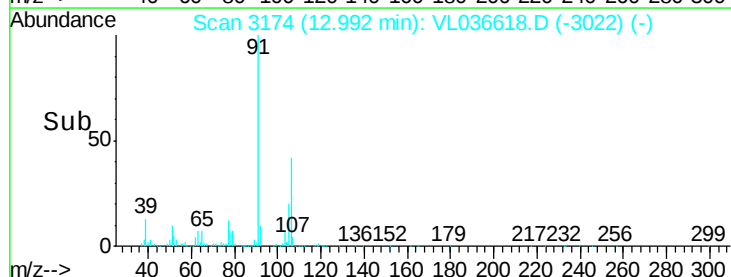
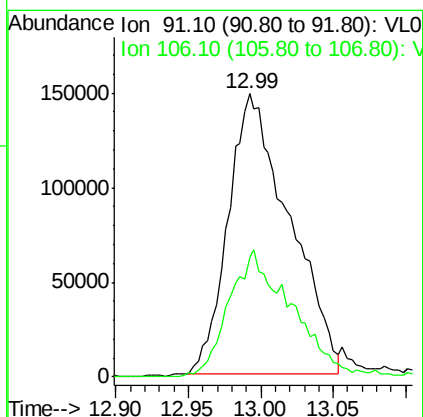
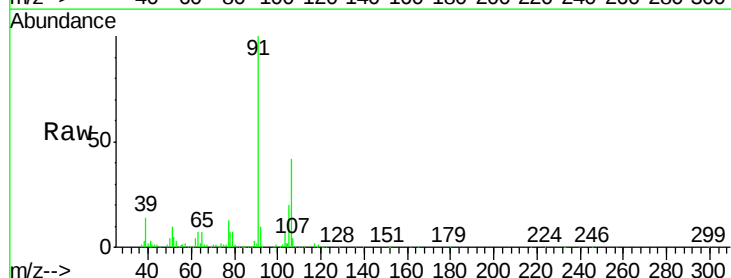
Acq: 1 Apr 2021 2:09

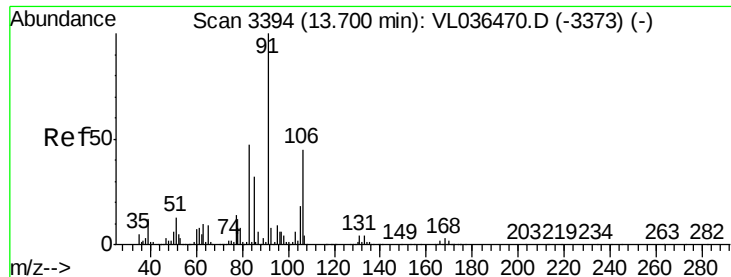
Tgt Ion: 91 Resp: 434880

Ion Ratio Lower Upper

91 100

106 46.5 35.3 52.9





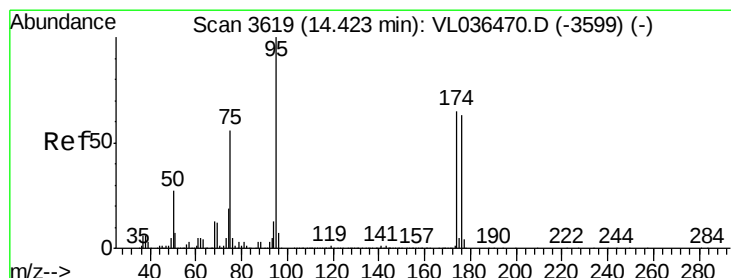
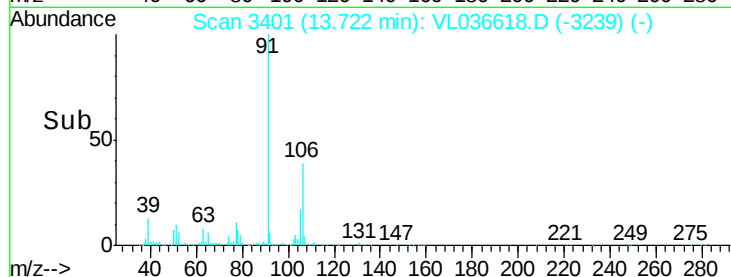
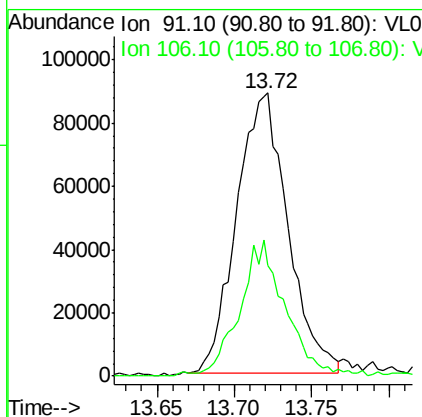
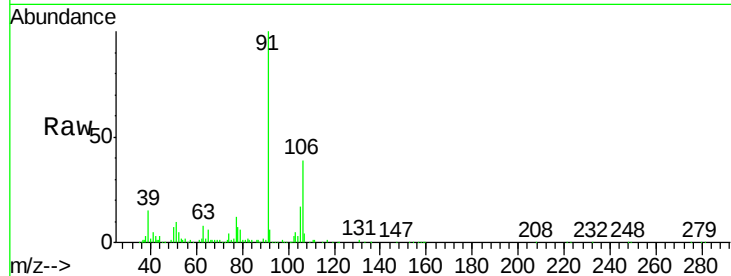
#60
o-Xylene
Concen: 0.491 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.02 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Instrument :
MSVOA_L
ClientSampleId :
PBS-SS-1DL

Tot Ion: 91 Resp: 204504
Ion Ratio Lower Upper
91 100
106 44.4 22.3 66.9

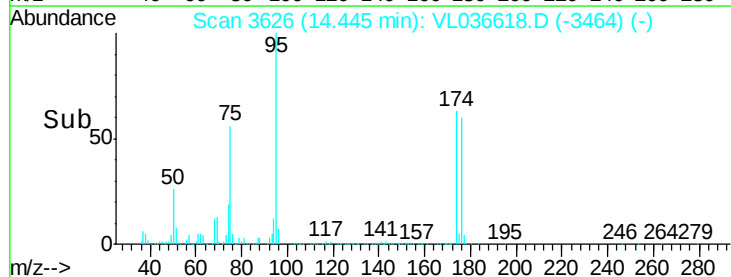
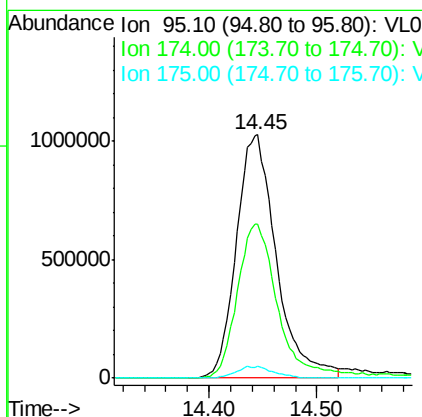
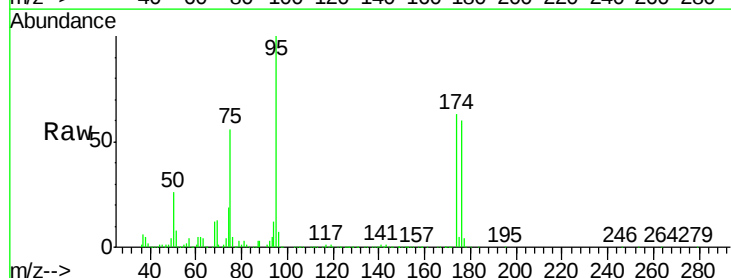
Manual Integrations
APPROVED

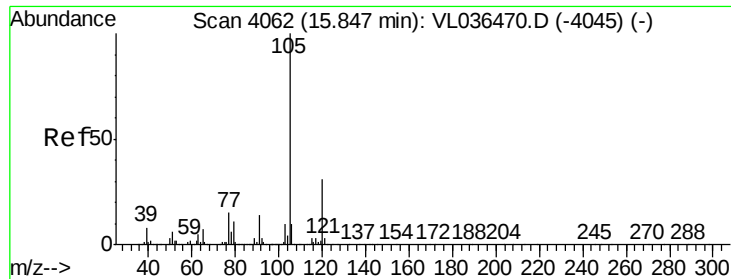
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.822 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. 0.02 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Tgt Ion: 95 Resp: 2655378
Ion Ratio Lower Upper
95 100
174 66.5 51.0 76.6
175 4.7 3.9 5.9





#72

4-Ethyltoluene

Concen: 0.122 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. 0.02 min

Lab File: VL036618.D

Acq: 1 Apr 2021 2:09

Instrument :

MSVOA_L

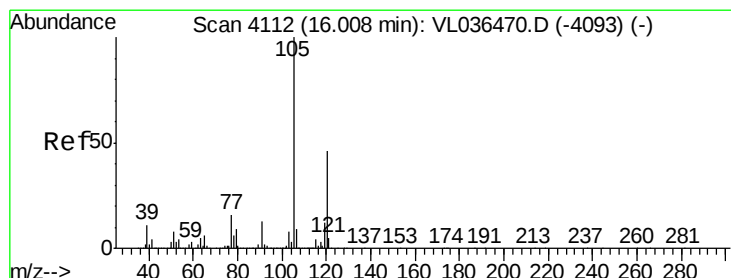
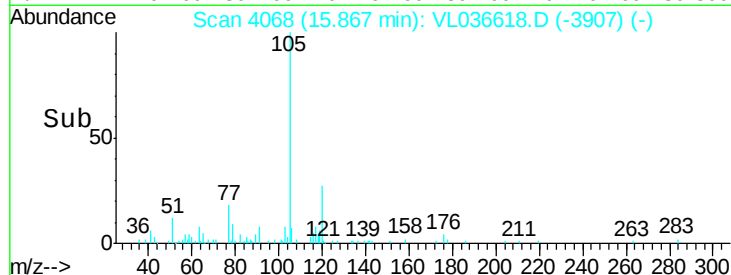
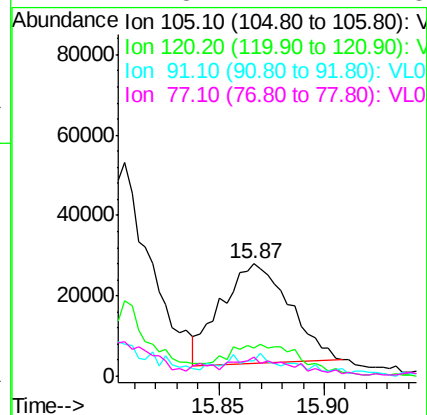
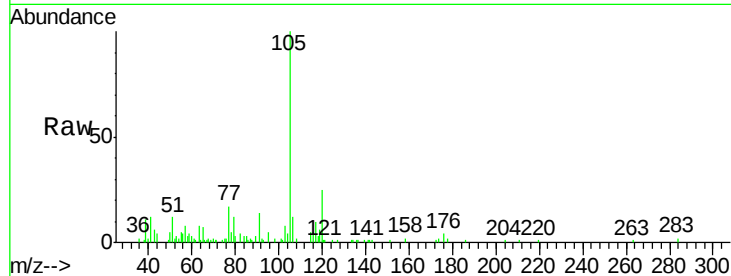
ClientSampleId :

PBS-SS-1DL

Tot Ion	Ratio	Resp	Lower	Upper
105	100	55585		
120	36.8	24.0	36.0#	
91	24.3	11.0	16.4#	
77	22.8	11.7	17.5#	

Manual Integrations
APPROVED

MMDadoda
4/2/2021 6:54:08 PM



#73

1,3,5-Trimethylbenzene

Concen: 0.149 ppbv m

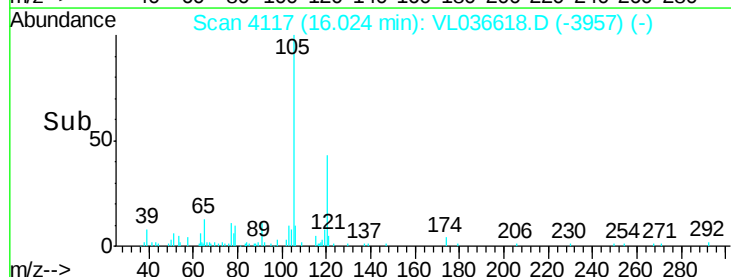
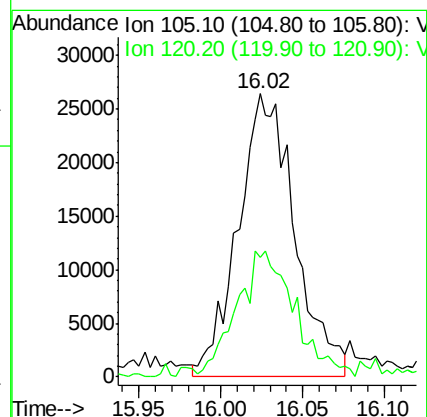
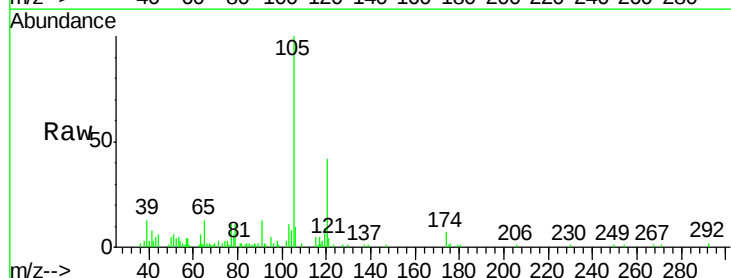
RT: 16.02 min Scan# 4117

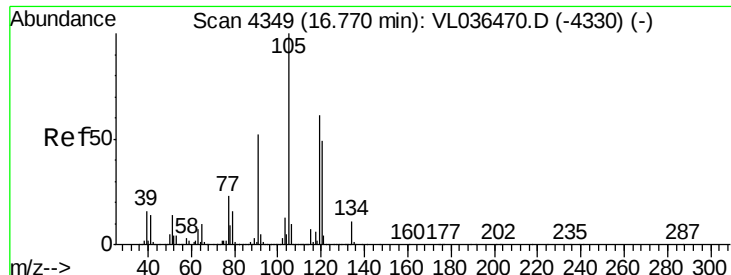
Delta R.T. 0.02 min

Lab File: VL036618.D

Acq: 1 Apr 2021 2:09

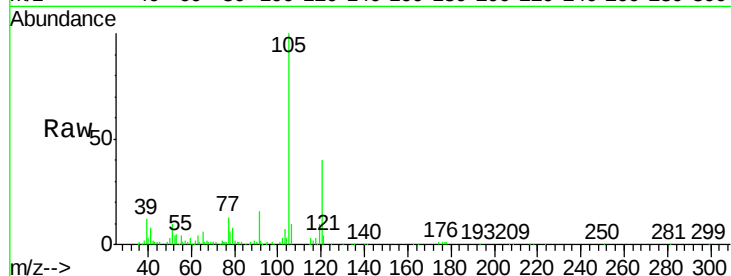
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	63489		
120	42.4	36.6	54.8	





#74
 1,2,4-Trimethylbenzene
 Concen: 0.417 ppbv
 RT: 16.79 min Scan# 4355
 Delta R.T. 0.02 min
 Lab File: VL036618.D
 Acq: 1 Apr 2021 2:09

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-SS-1DL



Tot Ion	Ratio	Resp Lower	Upper
105	100		
120	40.9	39.2	58.8
91	15.7	42.6	64.0#
77	12.9	18.6	28.0#

Manual Integrations
 APPROVED

MMDadoda
 4/2/2021 6:54:08 PM

