Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL033121\
Data File : VL036612.D
Acq On : 31 Mar 2021 21:55
Operator : SY/AP
Sample : M1807-01DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 02 15:31:21 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Mar 2
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : SG1DL

Manual Integrations APPROVED
MMDadoda
4/2/2021 6:53:03 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1606925	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3894935	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3533006	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2772057	9.84	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.40%			
Target Compounds						Qvalue
9) Propene	3.02	41	30138m	0.315	ppbv	
10) Heptane	8.14	43	25668m	0.105	ppbv	
13) Ethanol	3.61	45	532544	46.723	ppbv	94
15) Acetone	3.86	43	279804m	1.769	ppbv	
17) tert-Butyl alcohol	4.31	59	175011m	1.271	ppbv	
19) Isopropyl Alcohol	3.98	45	1063671	12.226	ppbv #	95
29) Chloroform	5.76	83	142211m	0.510	ppbv	
36) Benzene	6.90	78	40587m	0.113	ppbv	
53) Toluene	9.82	91	125143	0.327	ppbv	98
59) m/p-Xylene	12.99	91	95825m	0.214	ppbv	
61) Styrene	13.54	104	69824m	0.320	ppbv	
62) Isopropylbenzene	14.68	105	1367637	2.343	ppbv	98

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

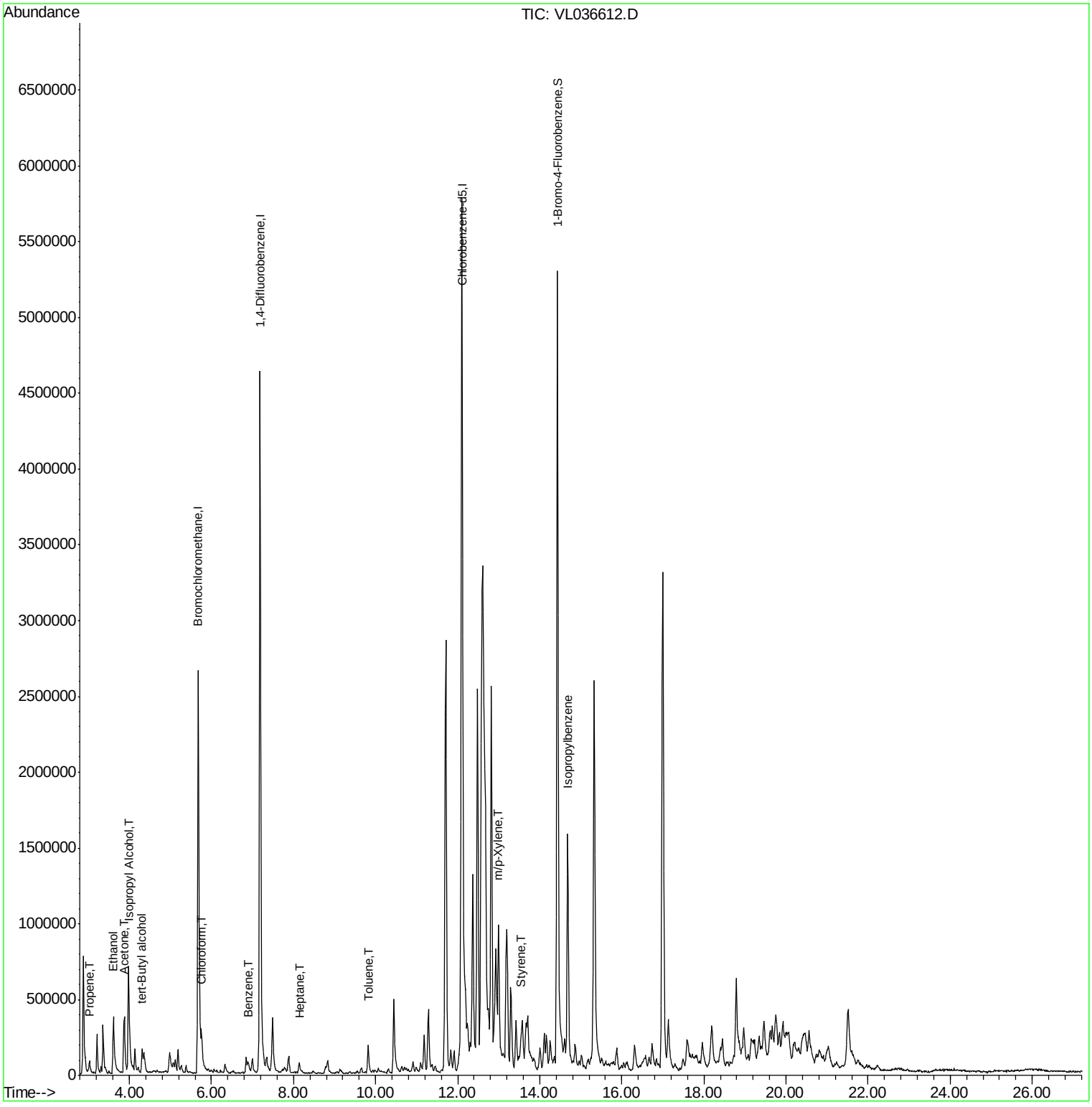
Quantitation Report (QT Reviewed)

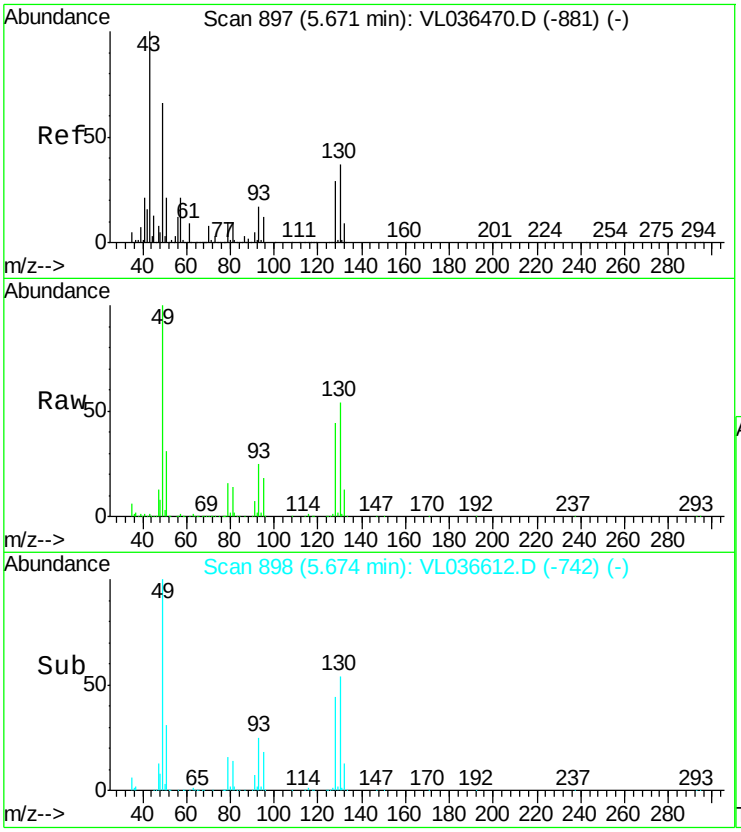
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL033121\
Data File : VL036612.D
Acq On : 31 Mar 2021 21:55
Operator : SY/AP
Sample : M1807-01DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 02 15:31:21 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SG1DL

Manual Integrations APPROVED
MMDadoda
4/2/2021 6:53:03 PM

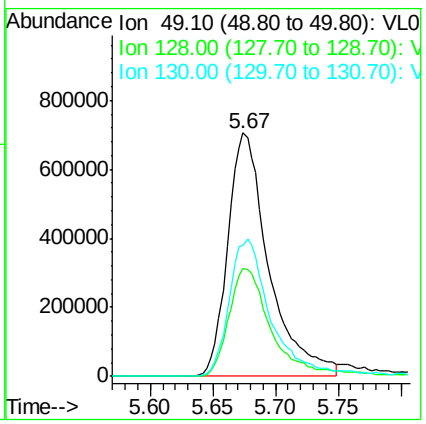




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL036612.D
Acq: 31 Mar 2021 21:55

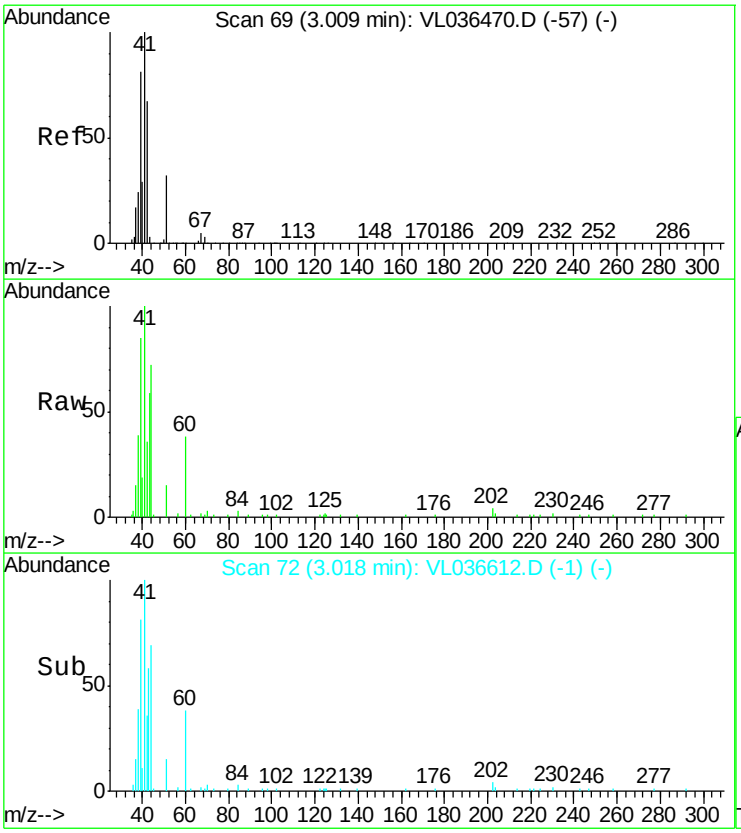
Tgt Ion: 49 Resp: 1606925

Ion	Ratio	Lower	Upper
49	100		
128	46.5	23.5	70.6
130	59.5	29.1	87.4



Instrument :
MSVOA_L
ClientSampleId :
SG1DL

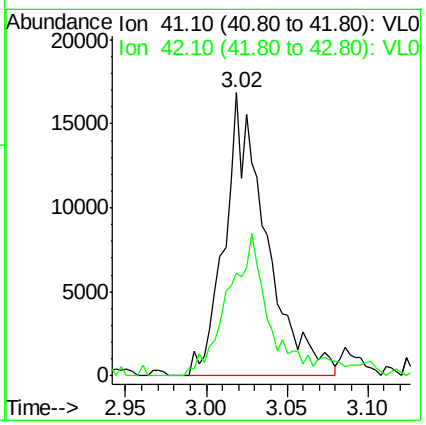
Manual Integrations APPROVED
MMDadoda
4/2/2021 6:53:03 PM

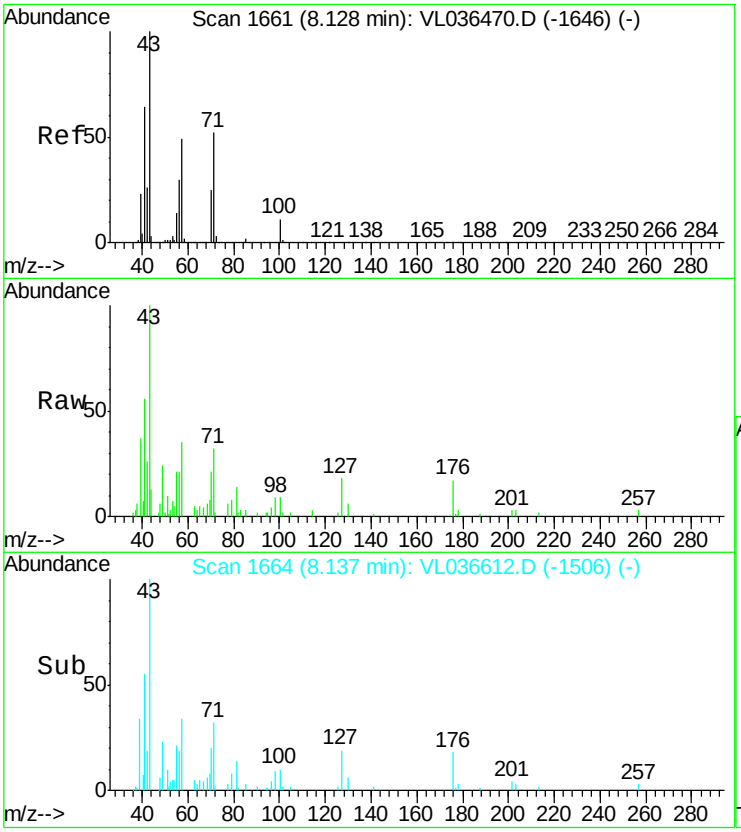


#9
Propene
Concen: 0.315 ppbv m
RT: 3.02 min Scan# 72
Delta R.T. 0.01 min
Lab File: VL036612.D
Acq: 31 Mar 2021 21:55

Tgt Ion: 41 Resp: 30138

Ion	Ratio	Lower	Upper
41	100		
42	208.0	57.0	85.4#





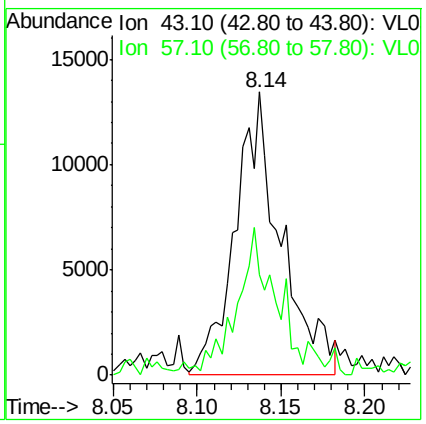
#10
Heptane
Concen: 0.105 ppbv m
RT: 8.14 min Scan# 1664
Delta R.T. 0.01 min
Lab File: VL036612.D
Acq: 31 Mar 2021 21:55

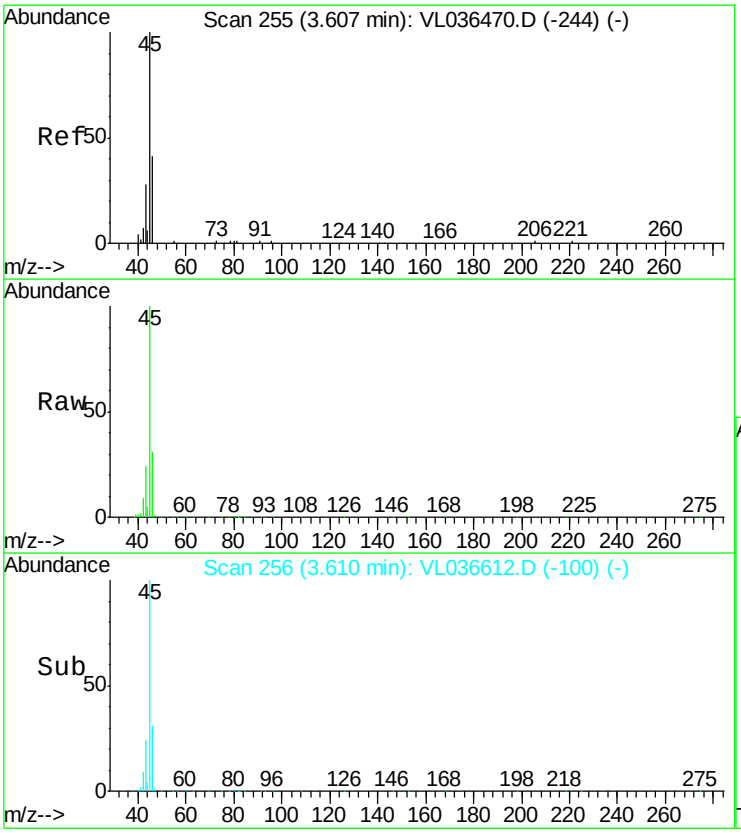
Tgt Ion: 43 Resp: 25668

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.0	58.6#

Instrument :
MSVOA_L
ClientSampleId :
SG1DL

Manual Integrations APPROVED
MMDadoda
4/2/2021 6:53:03 PM

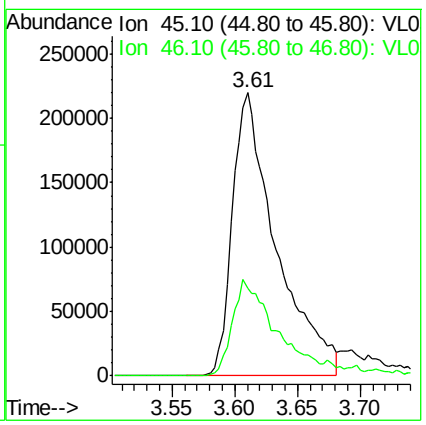


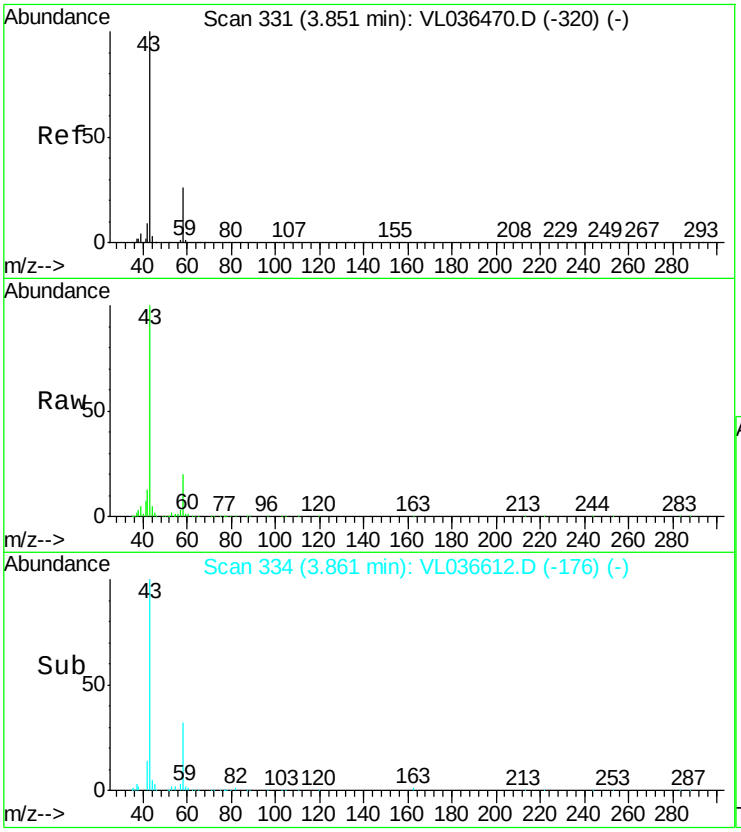


#13
Ethanol
Concen: 46.723 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.00 min
Lab File: VL036612.D
Acq: 31 Mar 2021 21:55

Tgt Ion: 45 Resp: 532544

Ion	Ratio	Lower	Upper
45	100		
46	37.6	16.6	66.2





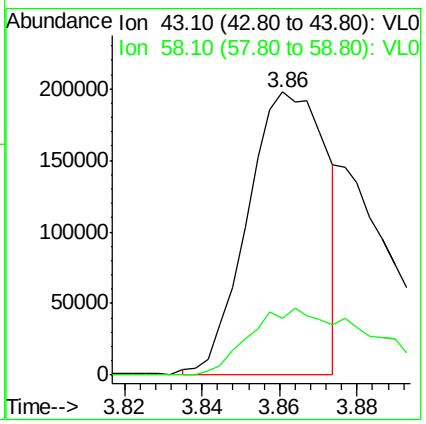
#15
Acetone
Concen: 1.769 ppbv m
RT: 3.86 min Scan# 334
Delta R.T. 0.01 min
Lab File: VL036612.D
Acq: 31 Mar 2021 21:55

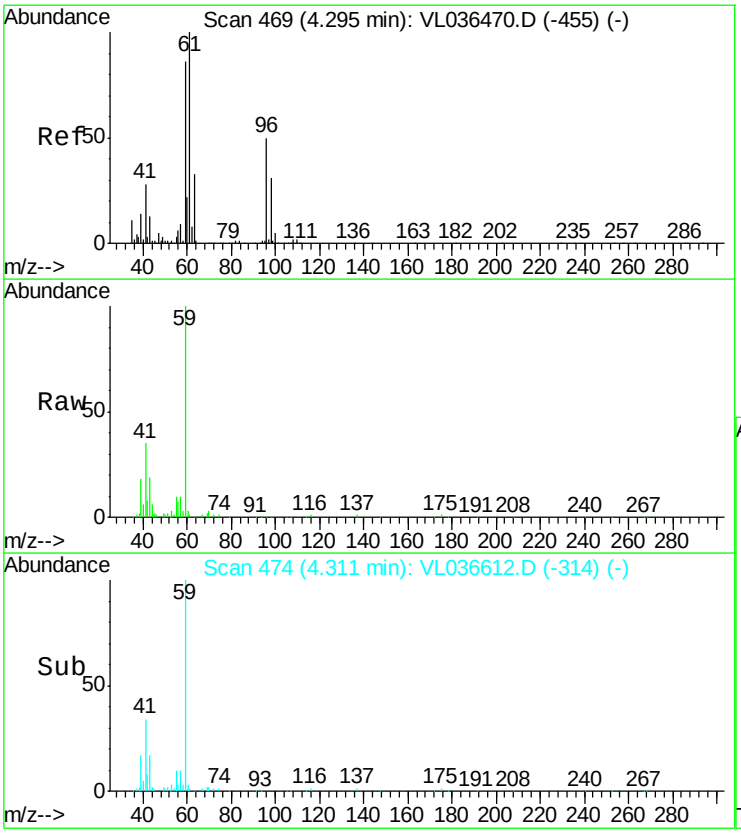
Tgt Ion: 43 Resp: 279804

Ion	Ratio	Lower	Upper
43	100		
58	43.2	21.2	31.8#

Instrument :
MSVOA_L
ClientSampleId :
SG1DL

Manual Integrations APPROVED
MMDadoda
4/2/2021 6:53:03 PM

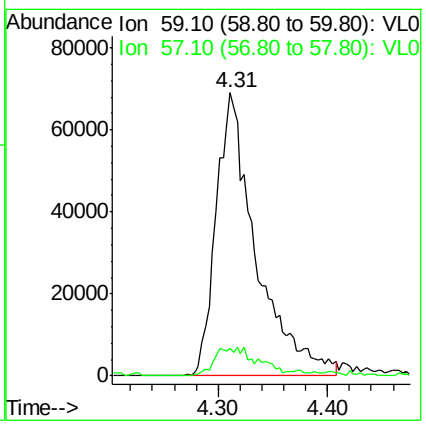


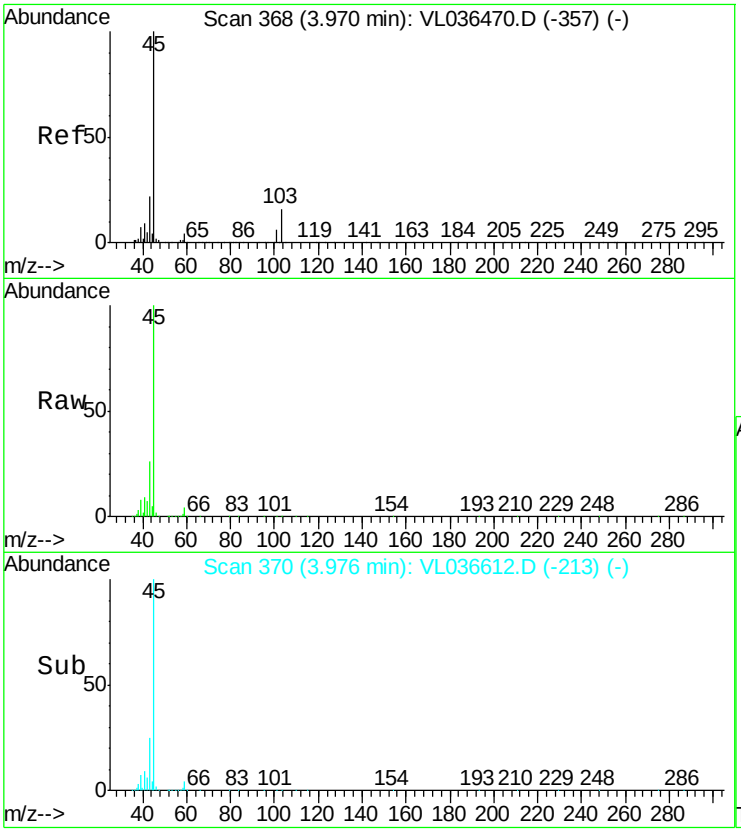


#17
tert-Butyl alcohol
Concen: 1.271 ppbv m
RT: 4.31 min Scan# 474
Delta R.T. 0.02 min
Lab File: VL036612.D
Acq: 31 Mar 2021 21:55

Tgt Ion: 59 Resp: 175011

Ion	Ratio	Lower	Upper
59	100		
57	12.9	8.6	12.8#

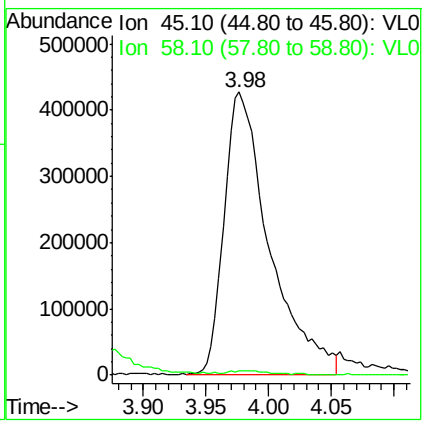




#19
Isopropyl Alcohol
Concen: 12.226 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.01 min
Lab File: VL036612.D
Acq: 31 Mar 2021 21:55

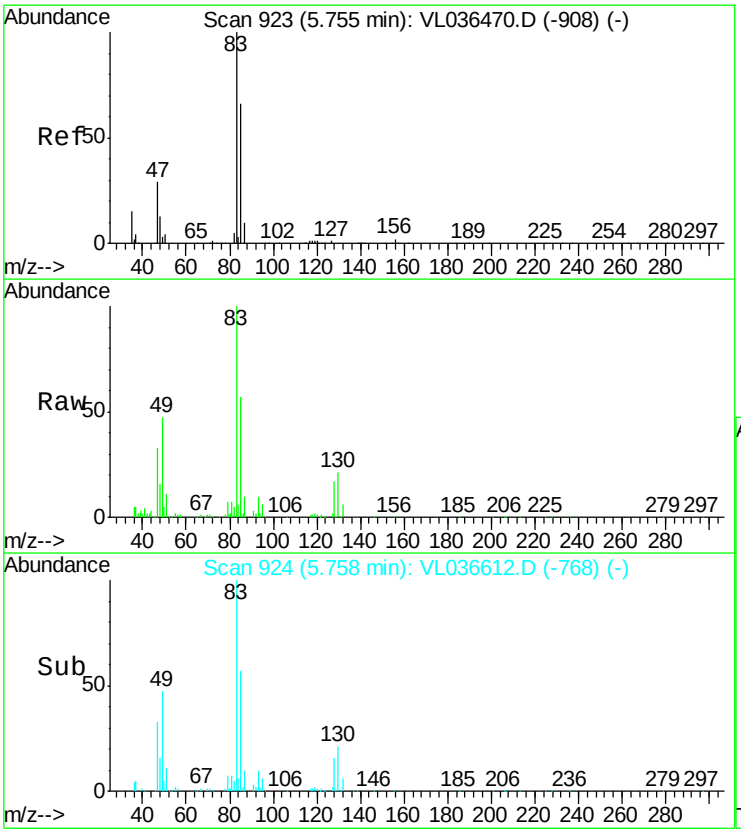
Tgt Ion: 45 Resp: 1063671

Ion	Ratio	Lower	Upper
45	100		
58	1.8	2.9	4.3#



Instrument :
MSVOA_L
ClientSampleId :
SG1DL

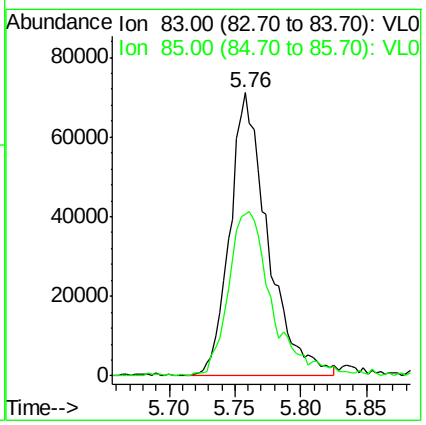
Manual Integrations APPROVED
MMDadoda
4/2/2021 6:53:03 PM

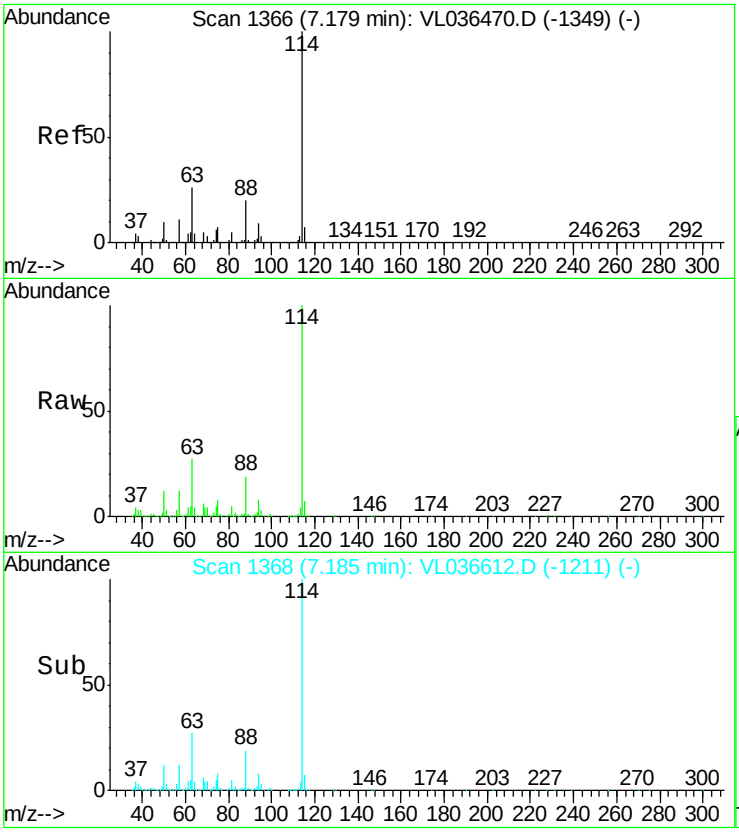


#29
Chloroform
Concen: 0.510 ppbv m
RT: 5.76 min Scan# 924
Delta R.T. 0.00 min
Lab File: VL036612.D
Acq: 31 Mar 2021 21:55

Tgt Ion: 83 Resp: 142211

Ion	Ratio	Lower	Upper
83	100		
85	57.4	52.6	78.8

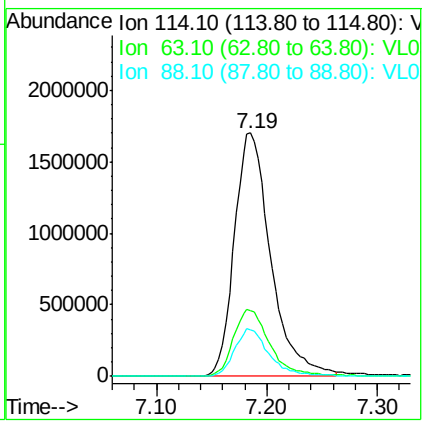




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VL036612.D
Acq: 31 Mar 2021 21:55

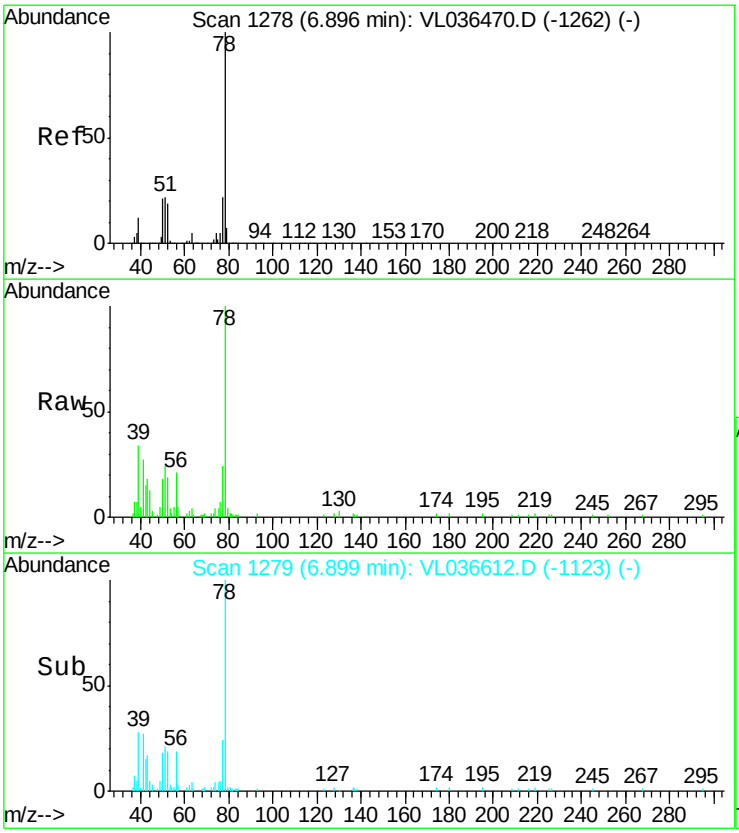
Tgt Ion:114 Resp: 3894935

Ion	Ratio	Lower	Upper
114	100		
63	27.6	22.4	33.6
88	18.8	15.4	23.0



Instrument :
MSVOA_L
ClientSampleId :
SG1DL

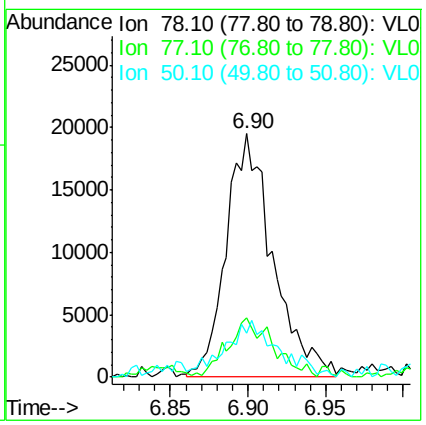
Manual Integrations APPROVED
MMDadoda
4/2/2021 6:53:03 PM

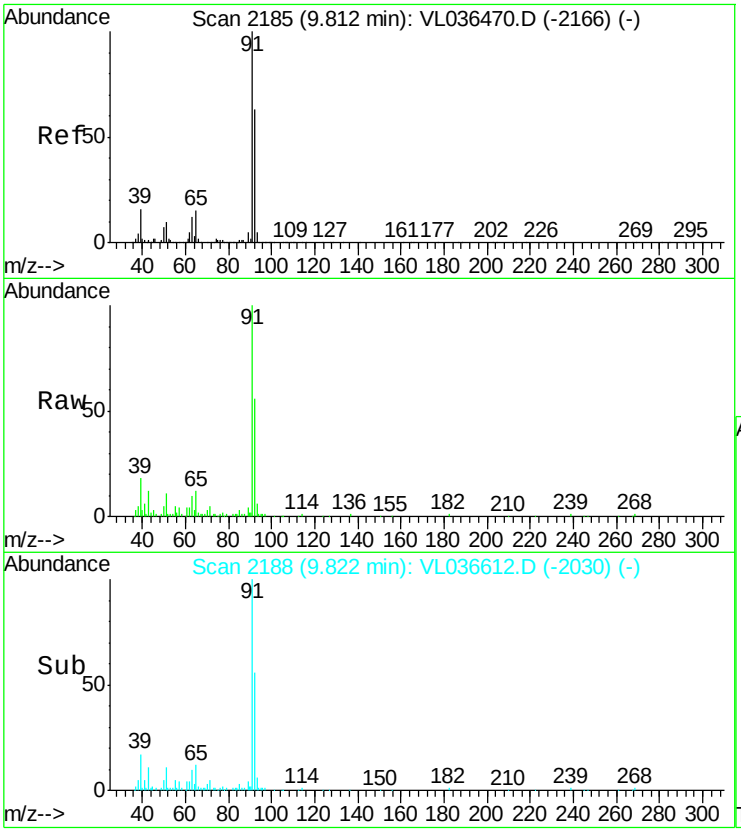


#36
Benzene
Concen: 0.113 ppbv m
RT: 6.90 min Scan# 1279
Delta R.T. 0.00 min
Lab File: VL036612.D
Acq: 31 Mar 2021 21:55

Tgt Ion: 78 Resp: 40587

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.0	27.0
50	18.0	16.5	24.7





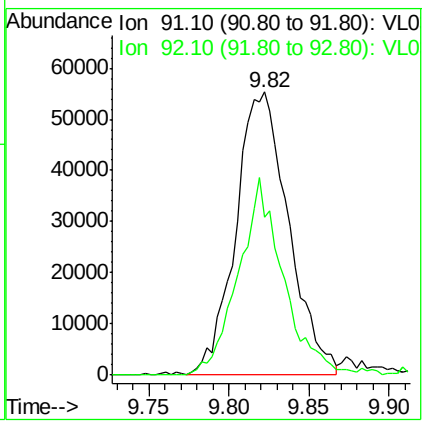
#53
Toluene
Concen: 0.327 ppbv
RT: 9.82 min Scan# 2188
Delta R.T. 0.01 min
Lab File: VL036612.D
Acq: 31 Mar 2021 21:55

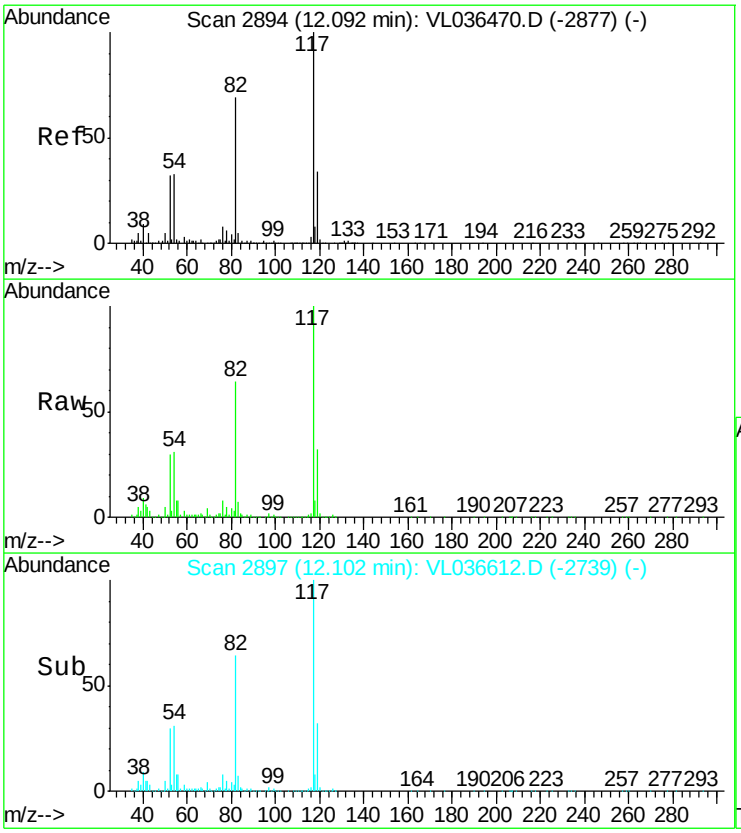
Tgt Ion: 91 Resp: 125143

Ion	Ratio	Lower	Upper
91	100		
92	59.8	48.8	73.2

Instrument :
MSVOA_L
ClientSampleId :
SG1DL

Manual Integrations APPROVED
MMDadoda
4/2/2021 6:53:03 PM

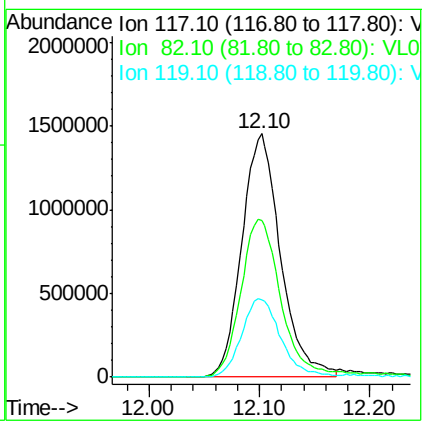


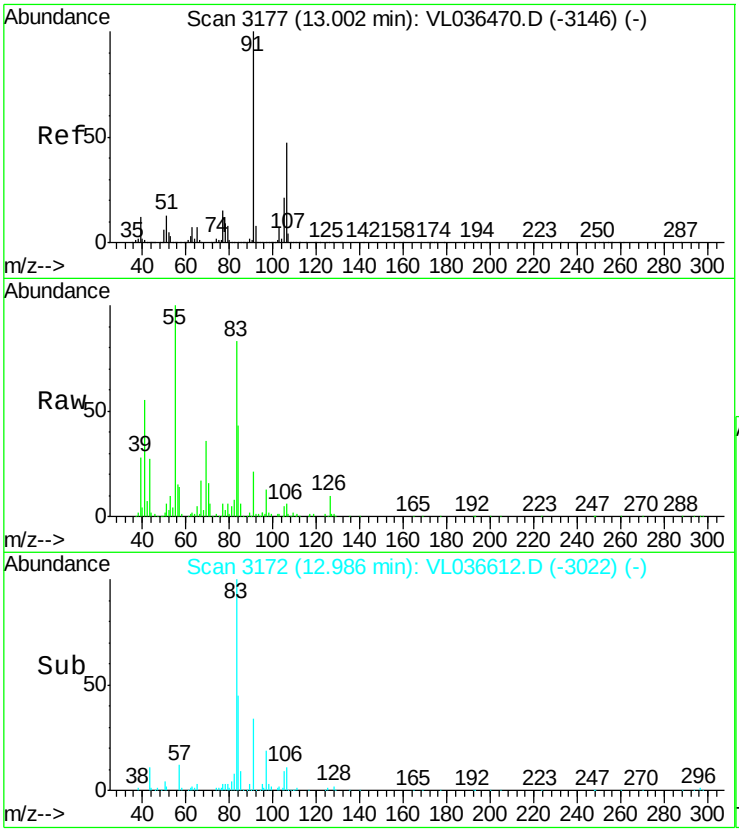


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.01 min
Lab File: VL036612.D
Acq: 31 Mar 2021 21:55

Tgt Ion:117 Resp: 3533006

Ion	Ratio	Lower	Upper
117	100		
82	69.4	57.4	86.0
119	33.3	47.4	71.0#





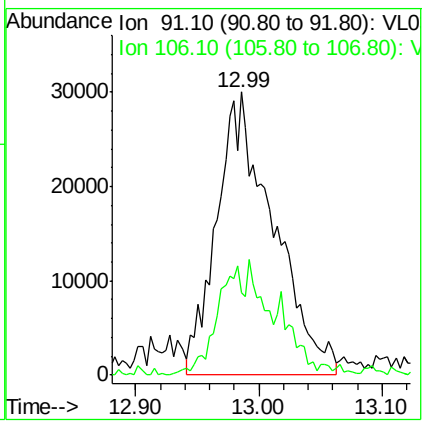
#59
m/p-Xylene
Concen: 0.214 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. -0.02 min
Lab File: VL036612.D
Acq: 31 Mar 2021 21:55

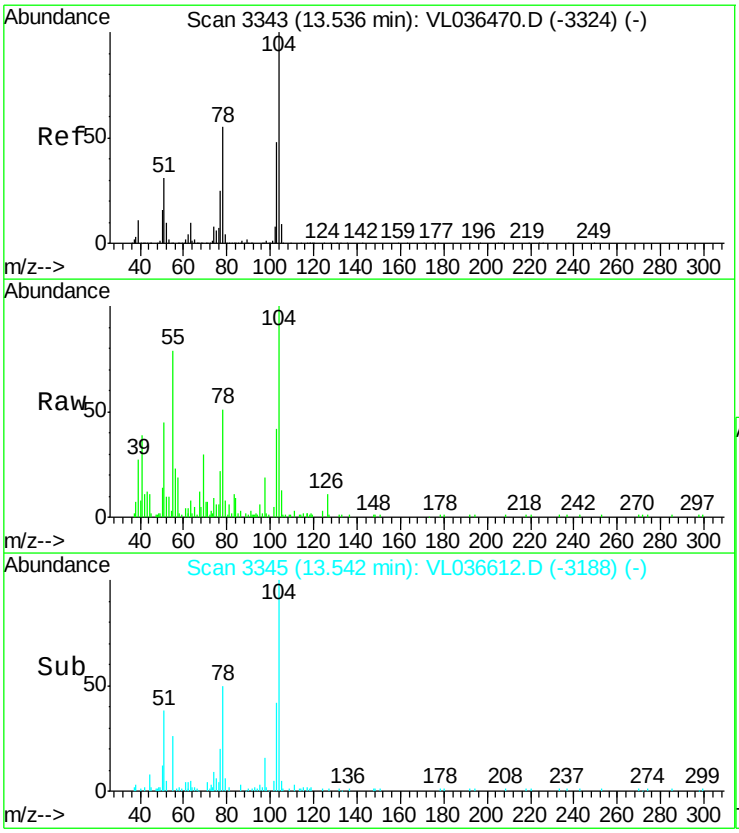
Tgt Ion: 91 Resp: 95825

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.3	52.9#

Instrument :
MSVOA_L
ClientSampleId :
SG1DL

Manual Integrations APPROVED
MMDadoda
4/2/2021 6:53:03 PM

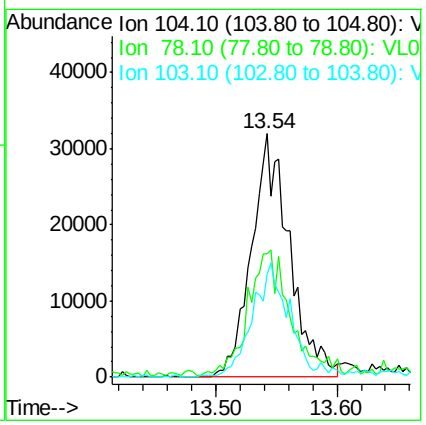


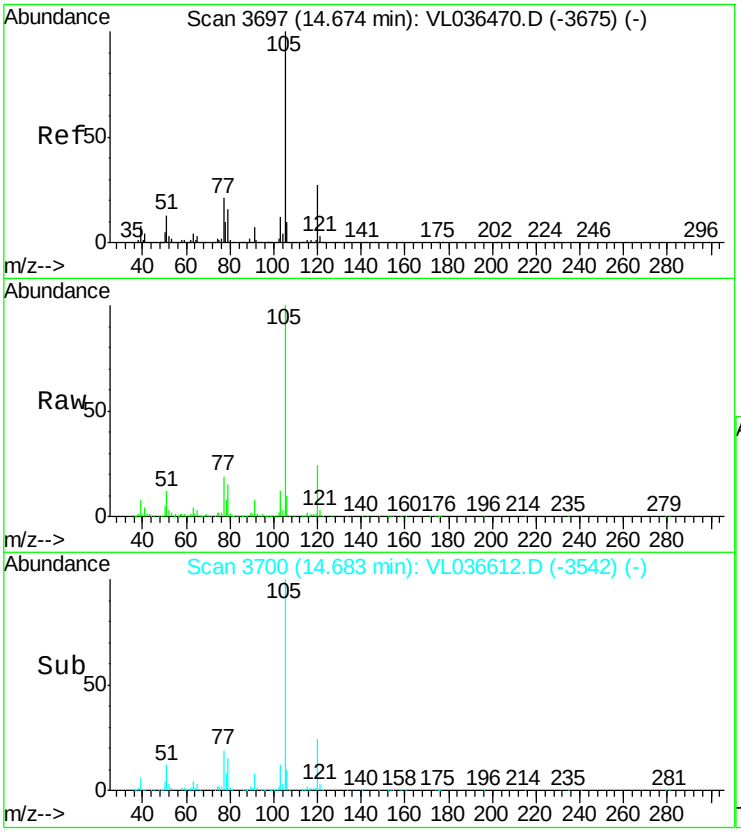


#61
Styrene
Concen: 0.320 ppbv m
RT: 13.54 min Scan# 3345
Delta R.T. 0.01 min
Lab File: VL036612.D
Acq: 31 Mar 2021 21:55

Tgt Ion:104 Resp: 69824

Ion	Ratio	Lower	Upper
104	100		
78	58.1	43.8	65.8
103	46.6	38.3	57.5





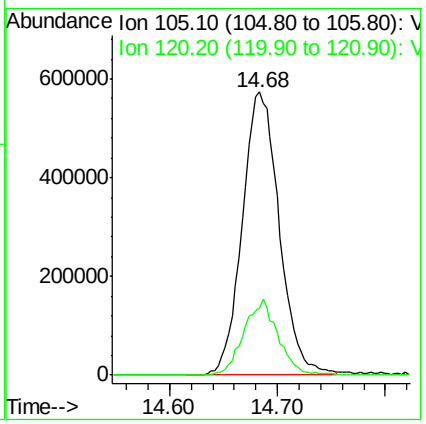
#62
Isopropylbenzene
Concen: 2.343 ppbv
RT: 14.68 min Scan# 3700
Delta R.T. 0.01 min
Lab File: VL036612.D
Acq: 31 Mar 2021 21:55

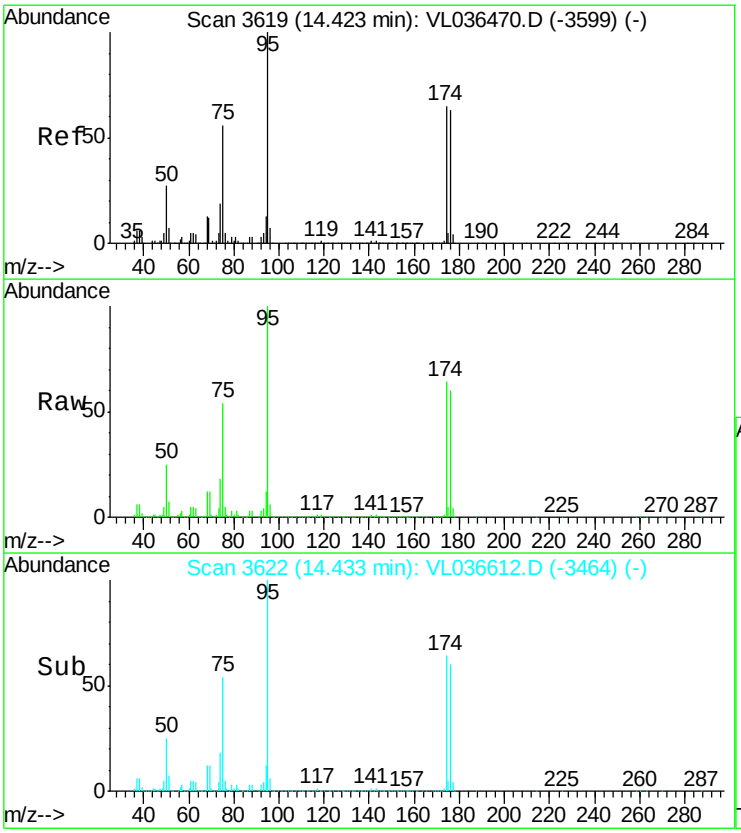
Tgt Ion:105 Resp: 1367637

Ion	Ratio	Lower	Upper
105	100		
120	24.9	20.6	31.0

Instrument :
MSVOA_L
ClientSampleId :
SG1DL

Manual Integrations APPROVED
MMDadoda
4/2/2021 6:53:03 PM





#68
1-Bromo-4-Fluorobenzene
Concen: 9.845 ppbv
RT: 14.43 min Scan# 3622
Delta R.T. 0.01 min
Lab File: VL036612.D
Acq: 31 Mar 2021 21:55

Tgt Ion: 95 Resp: 2772057

Ion	Ratio	Lower	Upper
95	100		
174	67.9	51.0	76.6
175	5.2	3.9	5.9