Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121120\
Data File : VY003730.D
Acq On : 11 Dec 2020 16:27
Operator : SY/MD
Sample : L5063-01
Misc : 4.47G/10ML/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : C0AD5

Manual Integrations APPROVED
MMDadoda
12/14/2020 9:13:21 AM

Quant Time: Dec 12 03:59:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 11 10:03:37 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	194125	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	128416	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	31464	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.25	65	59018	21.50	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 86.00%			
7) Chloroethane-d5	2.77	69	53275	25.72	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 102.88%			
10) 1,1-Dichloroethene-d2	3.86	63	91209	17.65	ug/L	-0.01
Spiked Amount 25.000	Range 45 - 110		Recovery = 70.60%			
20) 2-Butanone-d5	6.89	46	52705	53.85	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 107.70%			
24) Chloroform-d	7.49	84	134506	26.93	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 107.72%			
26) 1,2-Dichloroethane-d4	8.15	65	77924	27.72	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 110.88%			
29) Benzene-d6	8.12	84	271325	36.49	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 145.96%#			
33) 1,2-Dichloropropane-d6	9.12	67	81766	37.17	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 148.68%#			
37) Toluene-d8	10.18	98	187533	28.14	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 112.56%			
38) trans-1,3-Dichloropropene-	10.44	79	35887	34.13	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 136.52%#			
39) 2-Hexanone-d5	10.79	63	41707	75.67	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 151.34%#			
48) 1,1,2,2-Tetrachloroethane-	12.56	84	56465	28.81	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 115.24%			
61) 1,2-Dichlorobenzene-d4	13.72	152	29252	25.59	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 102.36%			

Target Compounds						Qvalue
13) Acetone	3.96	43	2538m	3.538	ug/L	
14) Carbon disulfide	4.21	76	1954	0.252	ug/L	97
16) Methylene chloride	4.72	84	4236	1.243	ug/L	91
44) Toluene	10.25	91	12170	1.571	ug/L	99
53) Ethylbenzene	11.59	91	1863	0.220	ug/L	93
54) m,p-Xylene	11.70	106	2865	0.878	ug/L	82
55) o-xylene	12.03	106	3530	1.128	ug/L	78
57) Isopropylbenzene	12.33	105	4491	0.549	ug/L #	83

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

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Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

Manual Integrations APPROVED
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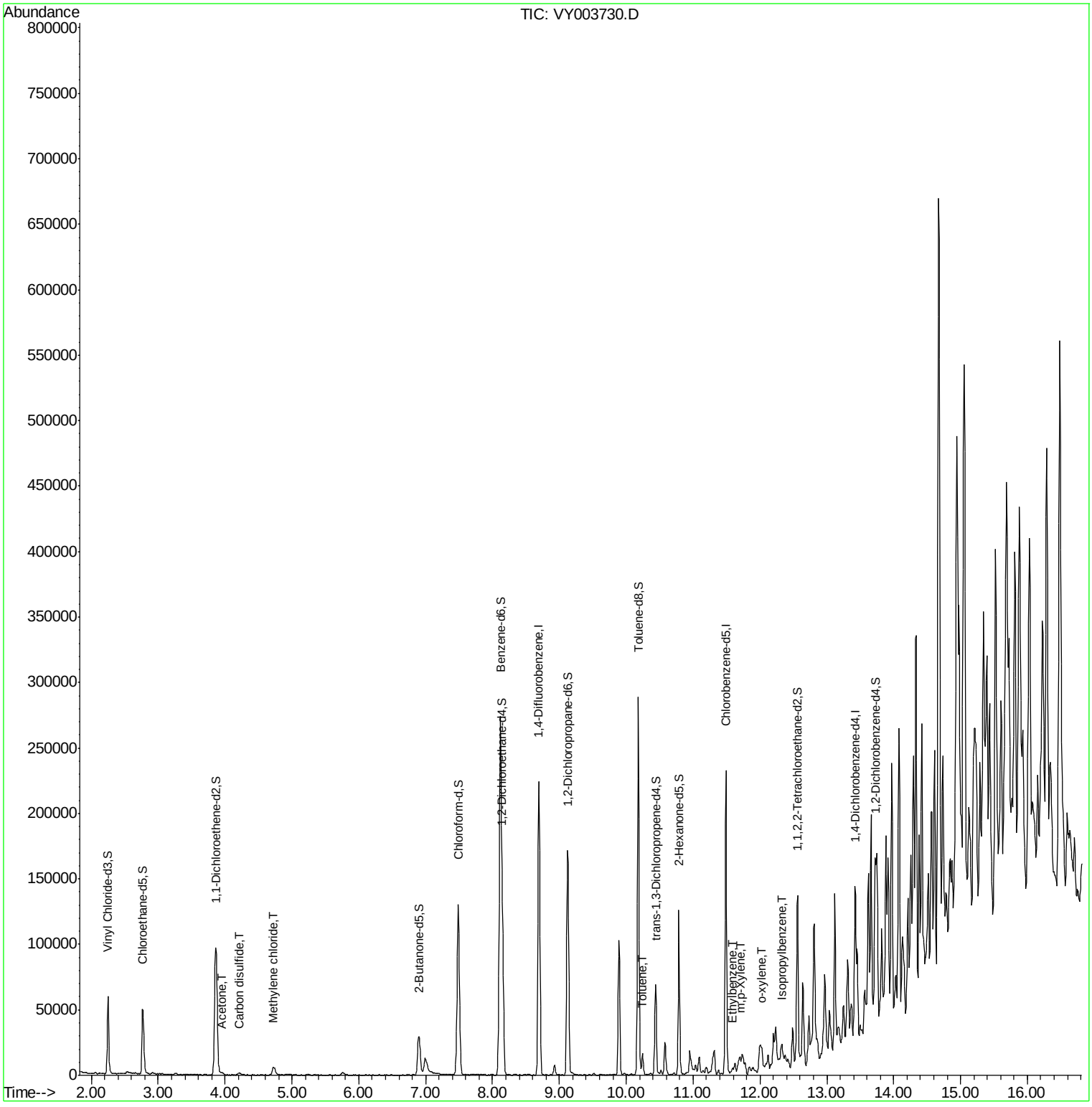
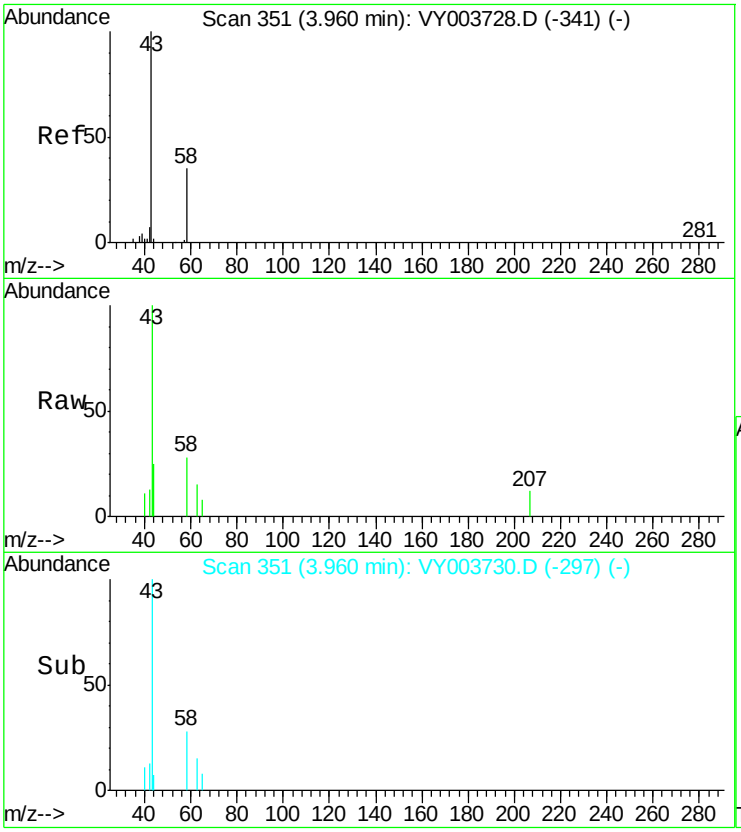
12/14/2020 9:13:21 AM

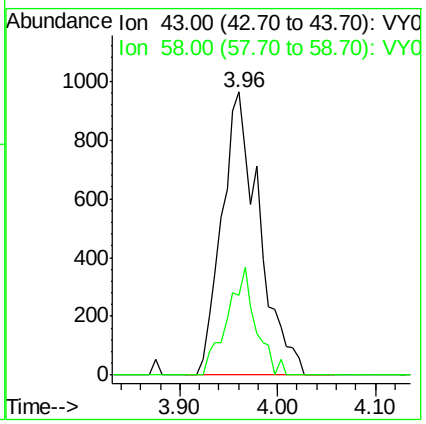




#13
Acetone
Concen: 3.538 ug/L m
RT: 3.96 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY003730.D
Acq: 11 Dec 2020 16:27

Tgt Ion: 43 Resp: 2538

Ion	Ratio	Lower	Upper
43	100		
58	28.8	0.0	68.8



Instrument :
MSVOA_Y
ClientSampleId :
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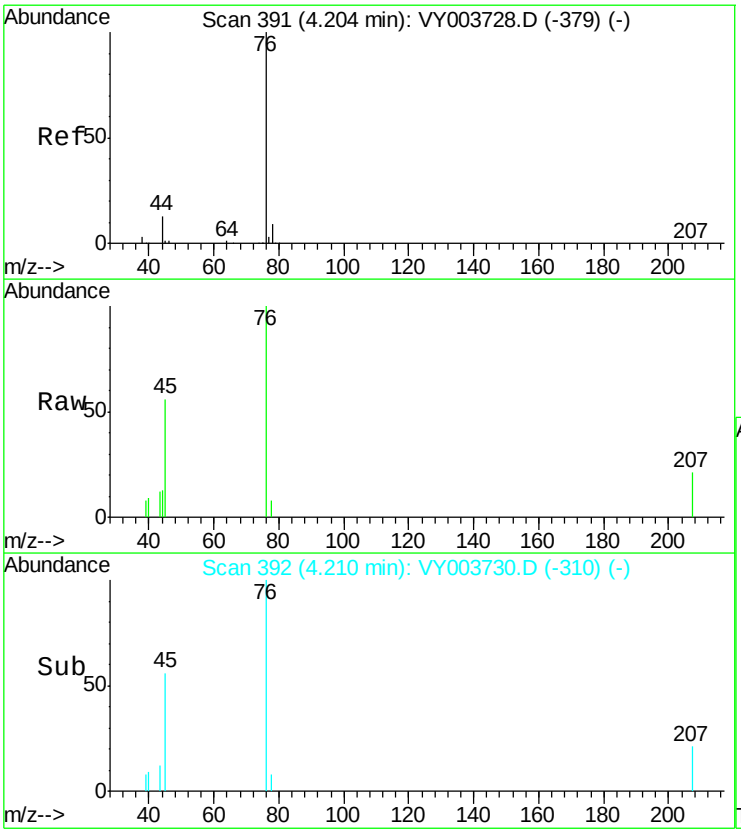
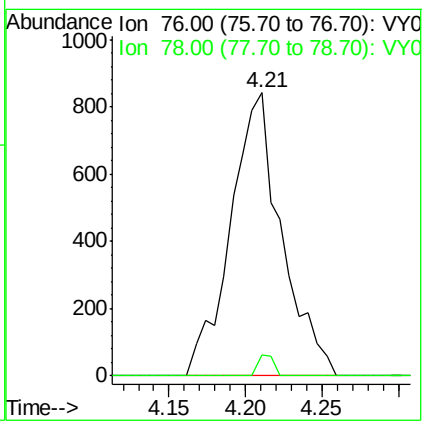
Manual Integrations APPROVED
MMDadoda
12/14/2020 9:13:21 AM

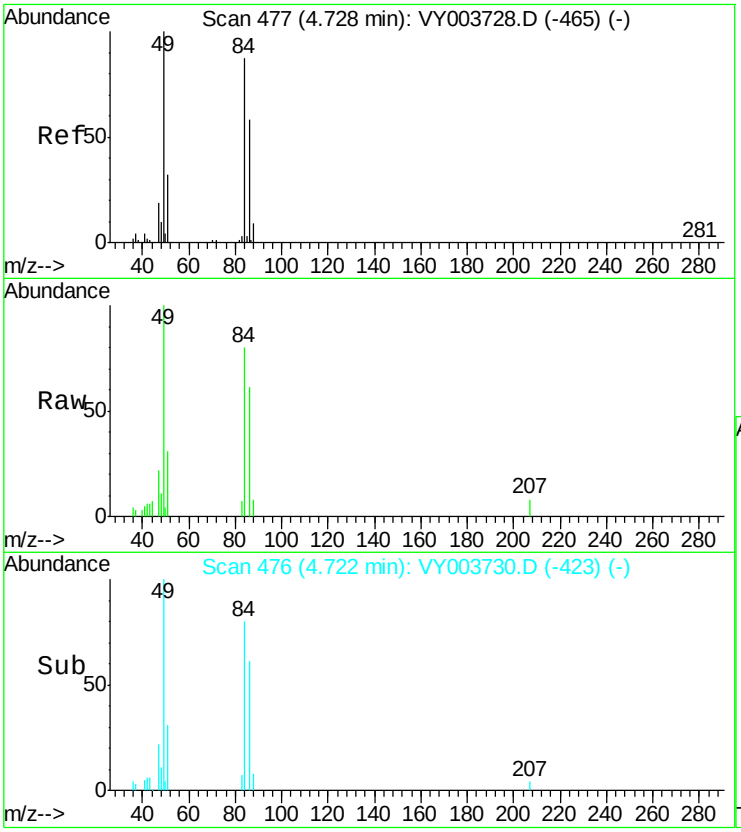


#14
Carbon disulfide
Concen: 0.252 ug/L
RT: 4.21 min Scan# 392
Delta R.T. 0.00 min
Lab File: VY003730.D
Acq: 11 Dec 2020 16:27

Tgt Ion: 76 Resp: 1954

Ion	Ratio	Lower	Upper
76	100		
78	7.6	7.0	10.6

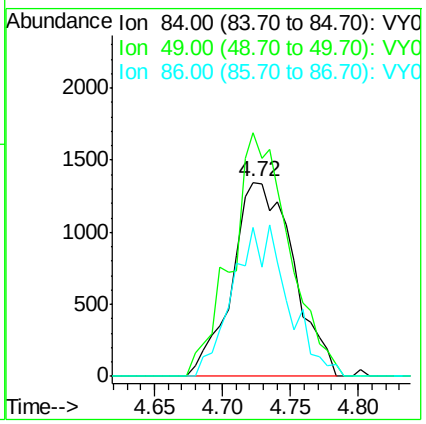




#16
Methylene chloride
Concen: 1.243 ug/L
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VY003730.D
Acq: 11 Dec 2020 16:27

Tgt Ion: 84 Resp: 4236

Ion	Ratio	Lower	Upper
84	100		
49	125.5	83.7	155.4
86	76.8	45.0	83.6



Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

Manual Integrations APPROVED
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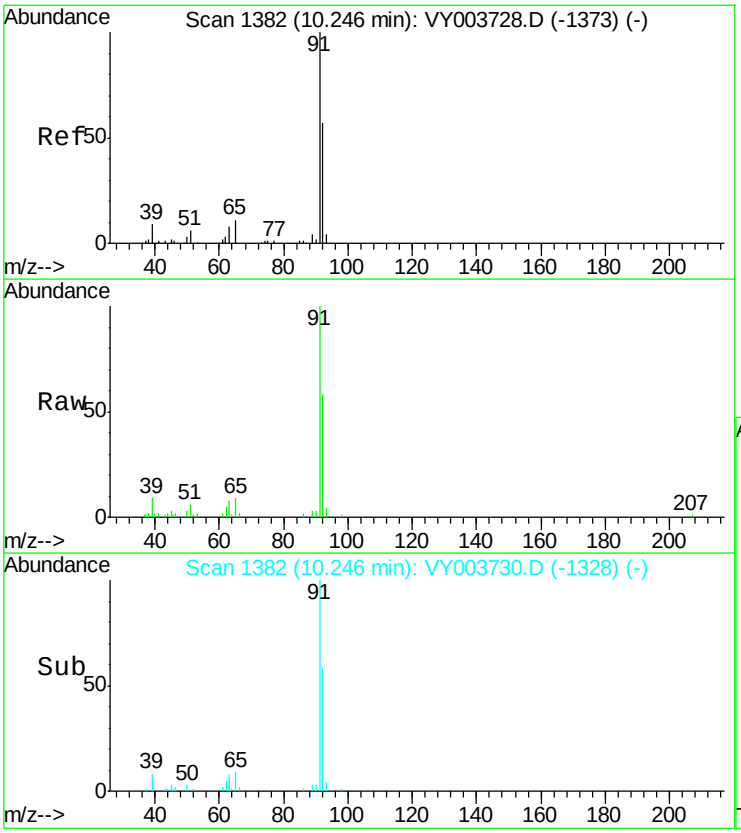
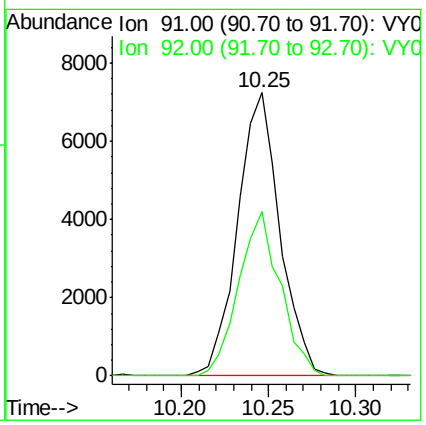
12/14/2020 9:13:21 AM

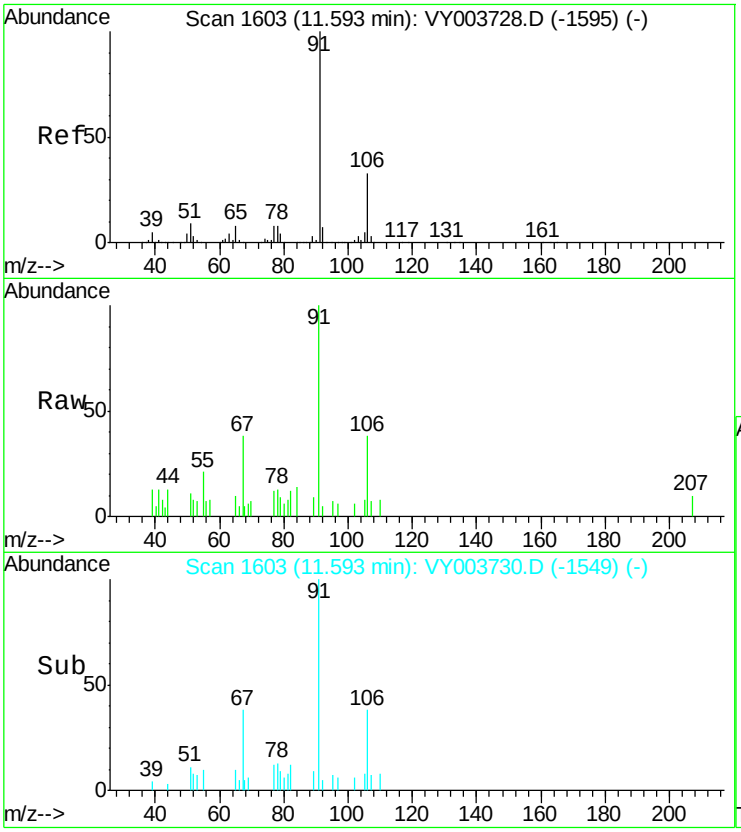


#44
Toluene
Concen: 1.571 ug/L
RT: 10.25 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VY003730.D
Acq: 11 Dec 2020 16:27

Tgt Ion: 91 Resp: 12170

Ion	Ratio	Lower	Upper
91	100		
92	57.8	39.8	73.8

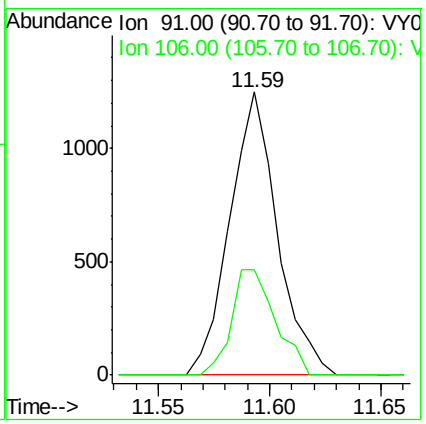




#53
Ethylbenzene
Concen: 0.220 ug/L
RT: 11.59 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VY003730.D
Acq: 11 Dec 2020 16:27

Tgt Ion: 91 Resp: 1863

Ion	Ratio	Lower	Upper
91	100		
106	37.5	23.3	43.3



Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

Manual Integrations APPROVED
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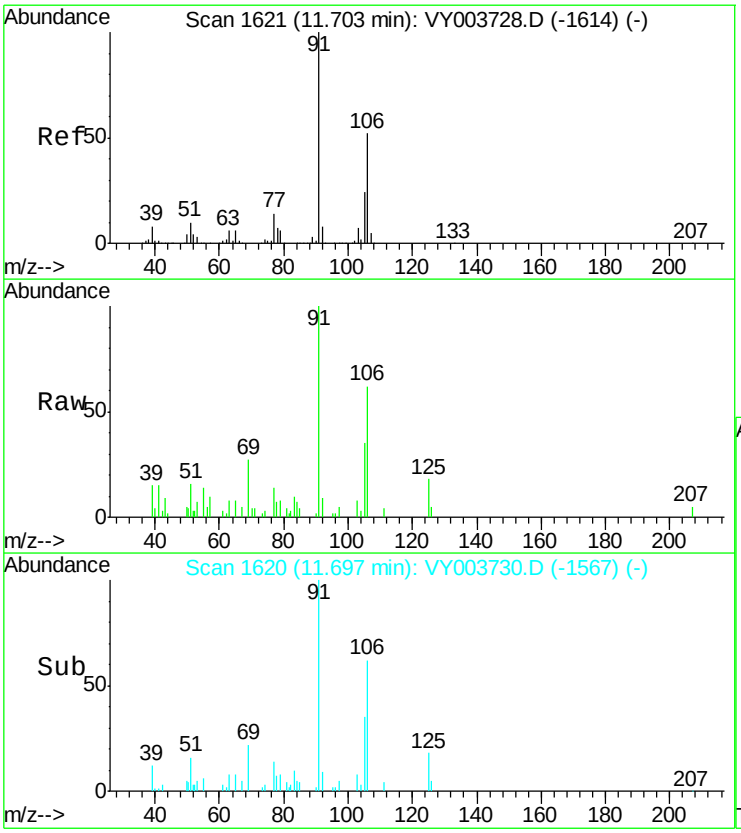
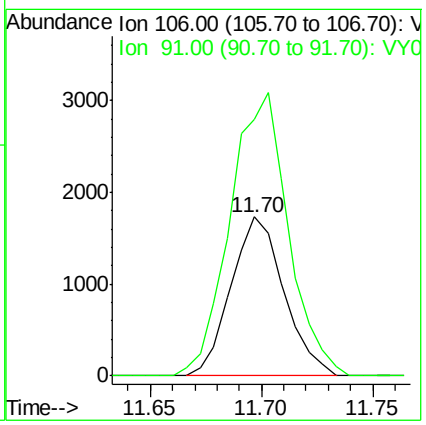
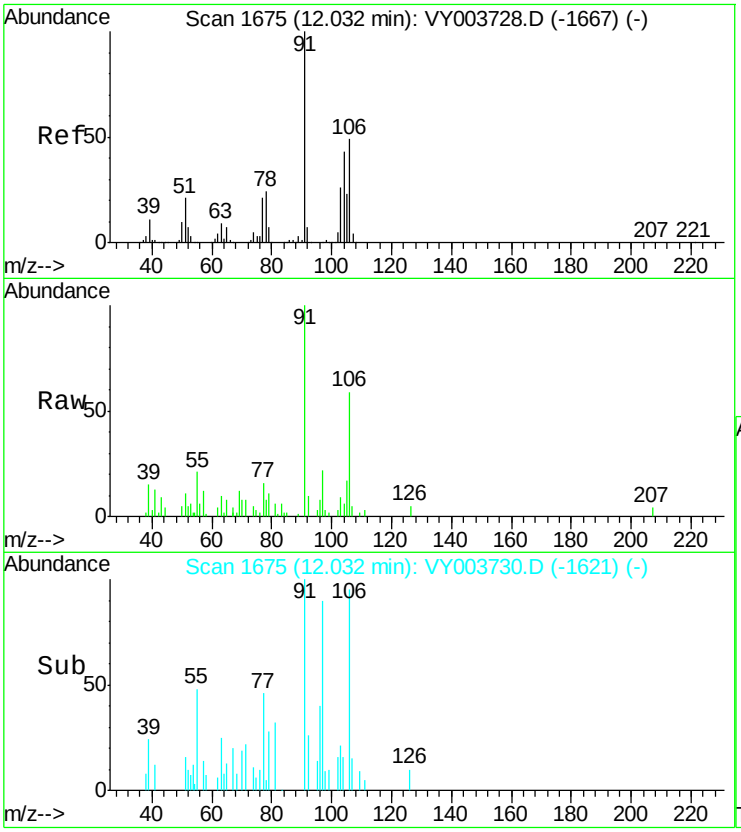


#54
m,p-Xylene
Concen: 0.878 ug/L
RT: 11.70 min Scan# 1620
Delta R.T. -0.01 min
Lab File: VY003730.D
Acq: 11 Dec 2020 16:27

Tgt Ion:106 Resp: 2865

Ion	Ratio	Lower	Upper
106	100		
91	161.0	131.3	243.9





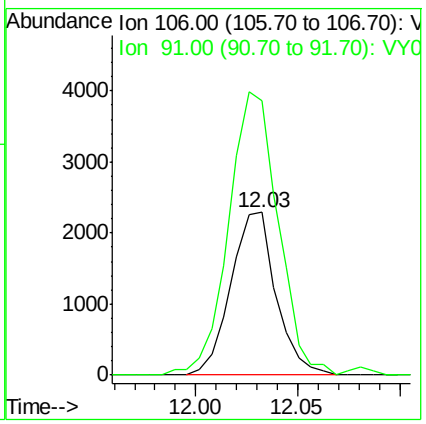
#55
o-xylene
Concen: 1.128 ug/L
RT: 12.03 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VY003730.D
Acq: 11 Dec 2020 16:27

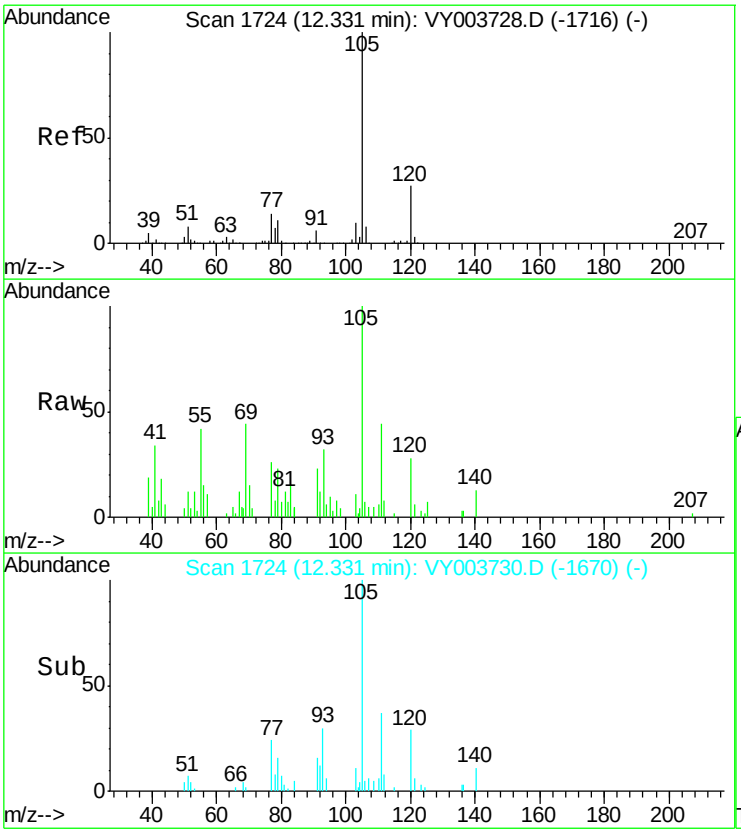
Tgt Ion:106 Resp: 3530

Ion	Ratio	Lower	Upper
106	100		
91	168.2	141.7	263.3

Instrument :
MSVOA_Y
ClientSampleId :
C0AD5

Manual Integrations APPROVED
MMDadoda
12/14/2020 9:13:21 AM





#57
Isopropylbenzene
Concen: 0.549 ug/L
RT: 12.33 min Scan# 1724
Delta R.T. 0.00 min
Lab File: VY003730.D
Acq: 11 Dec 2020 16:27

Tgt Ion:105 Resp: 4491

Ion	Ratio	Lower	Upper
105	100		
120	27.1	22.3	33.5
77	33.5	11.9	17.9#